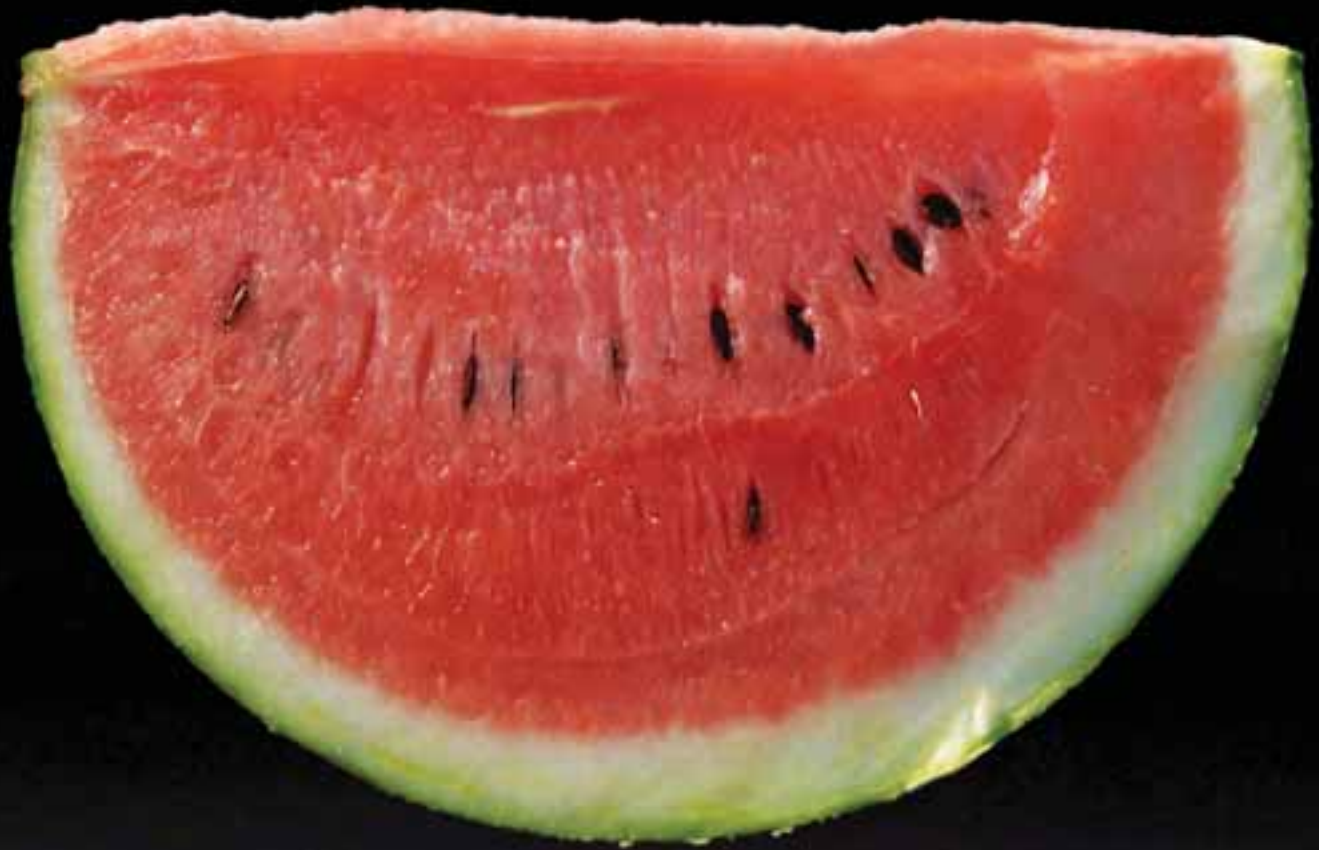




secom ILUMINACION



secom ILUMINACION

43

Price list

Lighting is skill, technology and innovation but also sensitivity, originality and soul.

Secom Iluminación was founded in 1989, and committed to adding value at every stage of the lighting market

Secom Lighting focuses its activities in the design, manufacture and marketing of various types of fittings and light sources.

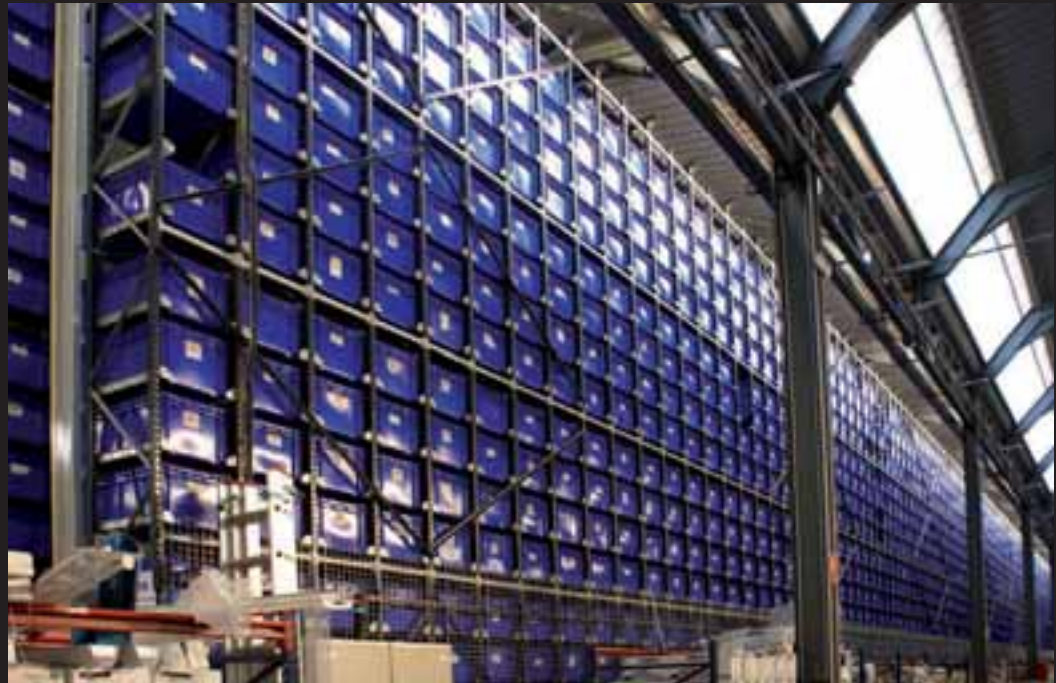
Secom has reached a leading position in the European lighting industry, thanks to its closeness with architects, engineers, wholesalers, installers and end customers, its listening and picking up each of their suggestions and its incorporating them into the design plans, eventually creating fittings that perfectly meet all wants and needs. Secom currently sells its fittings all over the world, generating directly and indirectly above 500 jobs.



Head Office Molina de Segura (Murcia, Spain).



Sales management.



Robotized warehousing system.



Robotized wiring cell.

Secom, in its 12,500-sqm facilities located in Molina de Segura (Murcia, Spain), carries out all production processes, and keeps large stocks of components involved in the manufacture of lighting equipment, in order to achieve greater flexibility and a reasonable delivery time.

Secom business philosophy focuses on getting high quality fittings, with Europe's top brand components for high reliability, and reasonable prices.

Secom attaches great importance to reduce time and storage costs of its distributors, therefore, carries out a careful and attractive packaging process, making the piling process easier thanks to its polyhedral lines and plenty of technical information. The fittings are also intended to take a short installation time, thus reducing labour cost. Finally, for both prescriptors and end users, Secom especially cares for the esthetic side of the fitting, light control and efficiency.

Secom, at the forefront of technology with a professional R+D+I department, has incorporated the latest and most modern machinery for the development and manufacture of light fittings. One of its recent acquisitions is the necessary equipment to manufacture and assemble the entire LED circuit and LED lights, enabling the company to deal with the increasingly strong demand for this type of fittings, more and more efficient and environmentally friendly.



Secom, since September 2010, has a specific space fitted especially for the manufacture of LED.



Lighting Secom invests in continuous training.



Pick & Place robot and convection reflow oven.



Laser cutting equipment for aluminum and other alloys for the manufacture of components.



Robotized folding machine.



Automatic installation of tunnel for defosfating and degreasing, powder coating booth and polymerization oven.

Assembly instructions, quality certificates, technical specification sheets and eulmdat files available to download from our site:

www.secom.es



secom ILUMINACIÓN S.L. (2012)

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secom@secom.es

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export@secom.es

www.secom.es



Indoor lighting

10



Industrial lighting

370



Outdoor lighting

386



Urban street lighting

430



Accessories

465

Indoor

lighting

Price list

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Proctom surface



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Proctom LED 7w 15
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Prodi 2 LED 27
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Prodi 4 Dichroic 27
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Tander 1 CDM-R 111 30



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Presscom DC / Lipsi



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Lipsi 2 LED
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Cartem / Polaris / Sonek



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Lartub / Smurfit



Lartub susp. Dichroic **45**
Lartub susp. LED
Lartub susp. LED RGB



Lartub wall Dichroic **45**
Lartub wall LED
Lartub wall LED RGB



Lartub wall CDM-R **46**
Lartub wall LED 111
Lartub wall QR-111



Lartub CDM-R **46**
Lartub LED 111
Lartub QR-111



Lartub susp. CDM-R **47**
Lartub susp. LED 111
Lartub susp. QR-111



Smurfit Dichroic **48**
Smurfit 2 LED
Smurfit 2 LED RGB



Smurfit QR-111 **48**



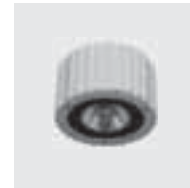
Smurfit LED 111 **48**



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Smurfit 3 Dichroic **49**
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Smurfit susp. LED
Smurfit susp.2 LED RGB



Smurfit susp.3 Dichroic **50**
Smurfit susp. LED
Smurfit susp.3 LED RGB



Smurfit susp. CDM-R **50**



Smurfit susp.3 Dichroic **51**
Smurfit susp. LED
Smurfit susp.3 LED RGB

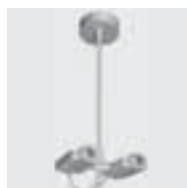


Smurfit susp. QR-111 **51**



Smurfit susp. LED 111 **51**

Other projectors



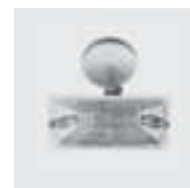
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Spot surface linear **54**

Suspension high bay



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Braco PL / PLT / HQI
Braco LED



Lumik E-27 58
Lumik PL/PLT
Lumik HQI



Zidi 59
Zidi PLE-D GLOBE



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Strip LED



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Cambo 63

Garia



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Garia 1400/20w
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Garia 900/13w susp. 66
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Tulip 2 joints 68



Bama 68



Valo PL 69
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Lisso 70



Glass wall light 70



Timver 71



Kuga 72
Kuga LED

Soffit and strip



Glass soffit 73



Bravia surface GU10 75
Bravia surface BC
Bravia surface LED
Bravia surface LED RGB



Bravia surface GU10 75
Bravia surface BC
Bravia surface LED
Bravia surface LED RGB



Fixed surface GU-10 76



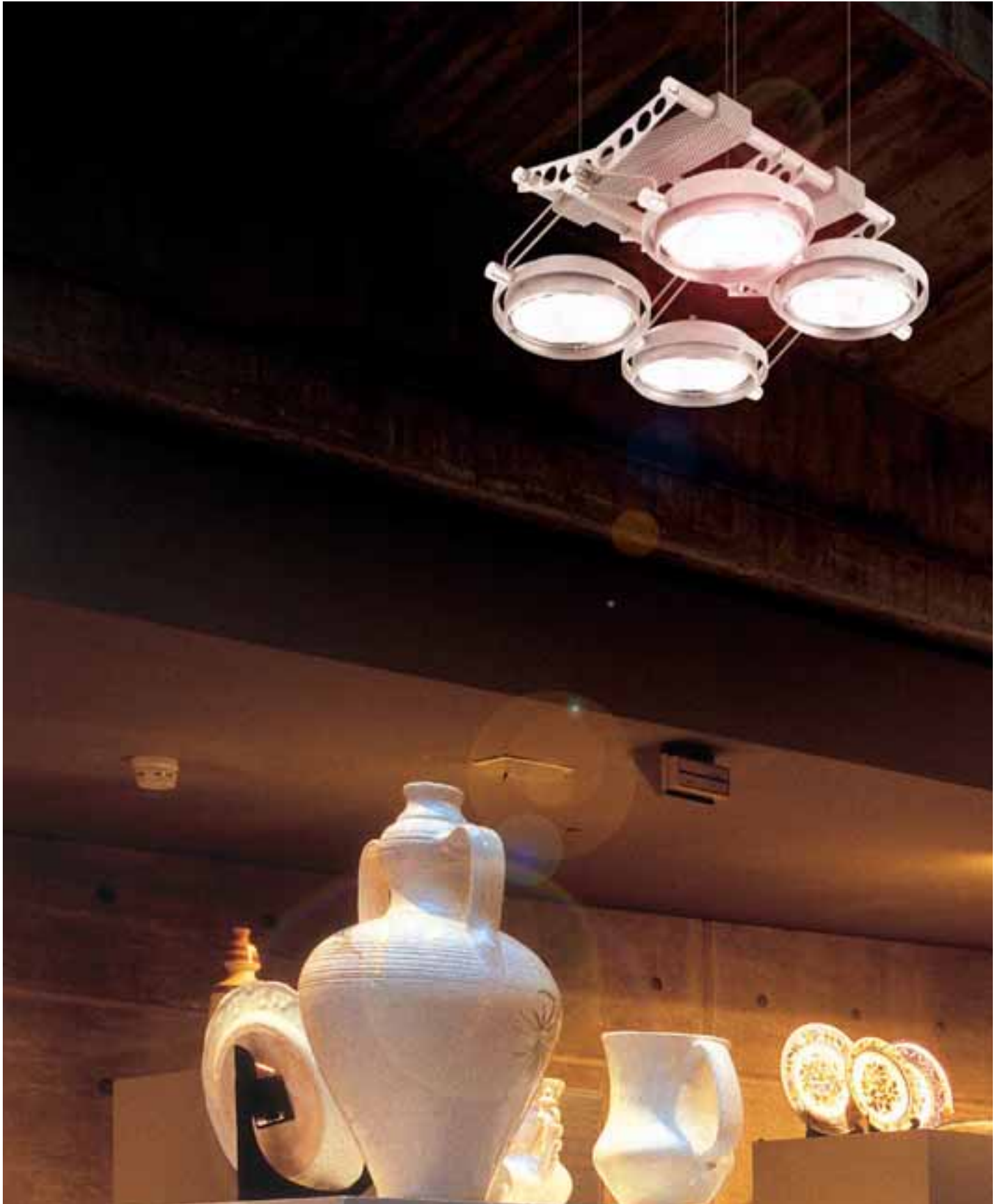
Adjustable surface 77
Adjustable s. LED RGB



Soffit 1 spot 78
Strip 2 spots



Soffit 3 spots 79
Strip 3 spots



Proctom surface

Protection degree IP20

- Material:** Injected and extruded aluminium, thermo painted.
- Optics:** Optics incorporated in most of de lamps. For HQI G12 and white Minisodium, bright aluminium diffusers are incorporated.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included when the model requires it.
- Lamps:** The series of PROCTOM projectors use a wide range of lamps, with different power and consumption, suitable for any type of lighting and application.

DOMESTIC USE:

- Dichroic halogen 12v50w.
- Direct Halogen GU-10 220v.
- Low consumption lamps.
- PAR 30 lamps.
- LED lamps.
- QR-111 lamps.

OFFICES AND COMMERCIAL AREAS:

- Dichroic halogen 12v50w.
- Direct Halogen GU-10 220v.
- Low consumption GU-10 220v.
- PAR 30 lamps.
- LED lamps.
- QR-111 lamps.
- CDM-R 111 / CDM-TC lamps.
- HQI lamps.
- White minisodium lamps.

Installation: Directly screw on ceiling (screw not included)

Colours: White, black, matt chrome and titanium.



Proctom surface dichroic

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
001D 01 50	White	12v50w	GU5.3	50w	91,50	0,25
001D 02 50	Black	12v50w	GU5.3	50w	97,90	0,25
001D 52 50	Matt chrome	12v50w	GU5.3	50w	97,90	0,25
001D 90 50	Titanium	12v50w	GU5.3	50w	97,90	0,25

* Supplied in a standard manner with 36° opening lamp.

Proctom surface MR16 LED RGB

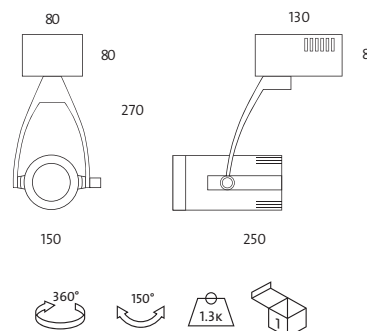
Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
001L 01 03	White	LED	GU5.3	3w	143,93	0,25	0,20
001L 02 03	Black	LED	GU5.3	3w	150,33	0,25	0,20
001L 52 03	Matt chrome	LED	GU5.3	3w	150,33	0,25	0,20
001L 90 03	Titanium	LED	GU5.3	3w	150,33	0,25	0,20

Rough increase of accesories

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Proctom surface LED 5w

Includes driver and LED lamp 5w

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
	001L 01 05	White	LED	GU5,3	5w	136,99	0,25 0,20
	001L 02 05	Black	LED	GU5,3	5w	143,40	0,25 0,20
	001L 52 05	Matt chrome	LED	GU5,3	5w	143,40	0,25 0,20
	001L 90 05	Titanium	LED	GU5,3	5w	143,40	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Proctom surface LED 7w

Includes LED lamp 7w

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
	001L 01 07	White	LED	GU-10	7w	143,03	0,25 0,20
	001L 02 07	Black	LED	GU-10	7w	146,94	0,25 0,20
	001L 52 07	Matt chrome	LED	GU-10	7w	146,94	0,25 0,20
	001L 90 07	Titanium	LED	GU-10	7w	146,94	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Proctom surface LED 7,2w



Includes driver and LED lamp 7,2w

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
	001L 01 09	White	LED	-	7,2w	142,03	0,25 0,20
	001L 02 09	Black	LED	-	7,2w	145,94	0,25 0,20
	001L 52 09	Matt chrome	LED	-	7,2w	145,94	0,25 0,20
	001L 90 09	Titanium	LED	-	7,2w	145,94	0,25 0,20

* Supplied in a standard manner with 3300° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

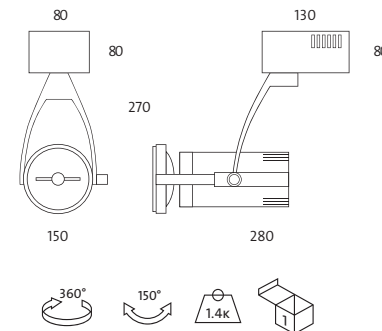
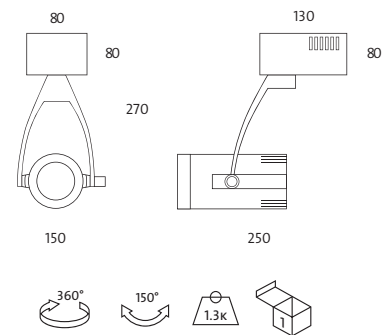
Proctom surface QR

Includes electronic transformers and QR-111 lamp

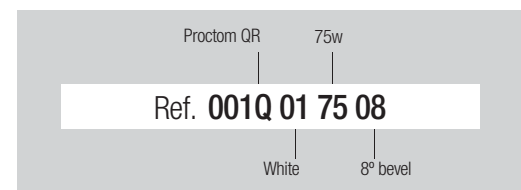
	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
	001Q 01 35	White	QR-111	G53	35w	106,69	0,25
	001Q 02 35	Black	QR-111	G53	35w	109,89	0,25
	001Q 52 35	Matt chrome	QR-111	G53	35w	109,89	0,25
	001Q 90 35	Titanium	QR-111	G53	35w	109,89	0,25
	001Q 01 50	White	QR-111	G53	50w	106,69	0,25
	001Q 02 50	Black	QR-111	G53	50w	109,89	0,25
	001Q 52 50	Matt chrome	QR-111	G53	50w	109,89	0,25
	001Q 90 50	Titanium	QR-111	G53	50w	109,89	0,25
	001Q 01 60	White	QR-111	G53	60w	116,50	0,25
	001Q 02 60	Black	QR-111	G53	60w	120,00	0,25
	001Q 52 60	Matt chrome	QR-111	G53	60w	120,00	0,25
	001Q 90 60	Titanium	QR-111	G53	60w	120,00	0,25
	001Q 01 75	White	QR-111	G53	75w	113,41	0,25
	001Q 02 75	Black	QR-111	G53	75w	116,82	0,25
	001Q 52 75	Matt chrome	QR-111	G53	75w	116,82	0,25
	001Q 90 75	Titanium	QR-111	G53	75w	116,82	0,25
	001Q 01 10	White	QR-111	G53	100w	113,41	0,25
	001Q 02 10	Black	QR-111	G53	100w	116,82	0,25
	001Q 52 10	Matt chrome	QR-111	G53	100w	116,82	0,25
	001Q 90 10	Titanium	QR-111	G53	100w	116,82	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•



Example to write a reference with options



Proctom surface LED-111

Includes driver and LED-111 lamp

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
	001B 01 12	White	LED-111	-	12w	206,65	0,25	0,20
	001B 02 12	Black	LED-111	-	12w	213,05	0,25	0,20
	001B 52 12	Matt chrome	LED-111	-	12w	213,05	0,25	0,20
	001B 90 12	Titanium	LED-111	-	12w	213,05	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Rough price increase of driver

Ref. DR	Driver dimmable 1-10V	€
		116,80

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Proctom surface PAR

Includes PAR 30 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
001H 01 75	White	PAR 30	E-27	75w	124,55	0,25	0,30
001H 02 75	Black	PAR 30	E-27	75w	127,78	0,25	0,30
001H 52 75	Matt chrome	PAR 30	E-27	75w	127,78	0,25	0,30
001H 90 75	Titanium	PAR 30	E-27	75w	127,78	0,25	0,30
001H 01 10	White	PAR 30	E-27	100w	124,55	0,25	0,30
001H 02 10	Black	PAR 30	E-27	100w	127,78	0,25	0,30
001H 52 10	Matt chrome	PAR 30	E-27	100w	127,78	0,25	0,30
001H 90 10	Titanium	PAR 30	E-27	100w	127,78	0,25 </tr	

Proctom surface PAR LED

Includes PAR 30 LED lamp 700 lumens

LED	Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
	001B 01 09	White	LED	E27	9w	199,46	0,25	0,20
	001B 02 09	Black	LED	E27	9w	202,69	0,25	0,20
	001B 52 09	Matt chrome	LED	E27	9w	202,69	0,25	0,20
	001B 90 09	Titanium	LED	E27	9w	202,69	0,25	0,20

* Supplied in a standard manner with 4000° K lamp

Proctom surface CDM-R

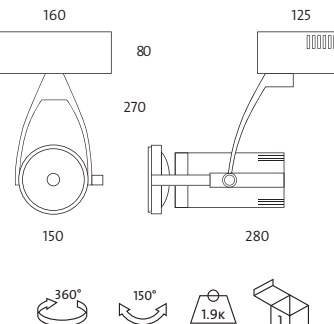
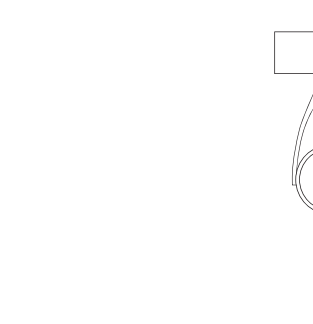
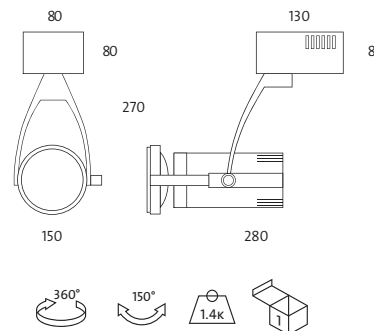
Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
001R 01 35	White	CDM-R 111	GX8.5	35w	307,92	0,25	0,30
001R 02 35	Black	CDM-R 111	GX8.5	35w	317,15	0,25	0,30
001R 52 35	Matt chrome	CDM-R 111	GX8.5	35w	317,15	0,25	0,30
001R 90 35	Titanium	CDM-R 111	GX8.5	35w	317,15	0,25	0,30
001R 01 70	White	CDM-R 111	GX8.5	70w	307,94	0,25	0,30
001R 02 70	Black	CDM-R 111	GX8.5	70w	317,17	0,25	0,30
001R 52 70	Matt chrome	CDM-R 111	GX8.5	70w	317,17	0,25	0,30
001R 90 70	Titanium	CDM-R 111	GX8.5	70w	317,17	0,25	0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Proctom LED



Includes driver and LED 29w

LED	Ref.	Colour	Lamp	L/H	W	€	lum.
	001B 01 25	White	LED	-	29w	267,10	0,25
	001B 02 25	Black	LED	-	29w	272,80	0,25
	001B 52 25	Matt chrome	LED	-	29w	272,80	0,25
	001B 90 25	Titanium	LED	-	29w	272,80	0,25

* Supplied in a standard manner with 3000° K lamp

Rough price increase of driver			€
Ref. DR	Driver dimmable 1 - 10v		112,90
Ref. DRD	Driver dimmable Dali		113,80

Proctom surface CDM-TC

Includes electronic transformers and lamp CDM-TC

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
001T 01 35	White	CDM-TC	G8.5	35w	283,74	0,25	0,30
001T 02 35	Black	CDM-TC	G8.5	35w	292,25	0,25	0,30
001T 52 35	Matt chrome	CDM-TC	G8.5	35w	292,25	0,25	0,30
001T 90 35	Titanium	CDM-TC	G8.5	35w	292,25	0,25	0,30
001T 01 70	White	CDM-TC	G8.5	70w	283,76	0,25	0,30
001T 02 70	Black	CDM-TC	G8.5	70w	292,27	0,25	0,30
001T 52 70	Matt chrome	CDM-TC	G8.5	70w	292,27	0,25	0,30
001T 90 70	Titanium	CDM-TC	G8.5	70w	292,27	0,25	0,30

* Supplied in a standard manner with 4000° K lamp

OPTIONS CDM-CT

IRC / Colour temperature		
Ref. 83		3100°K
Ref. 84		4000°K

Proctom surface Minisodio

Includes electronic transformers, glass and WHITE MINISODIUM lamp

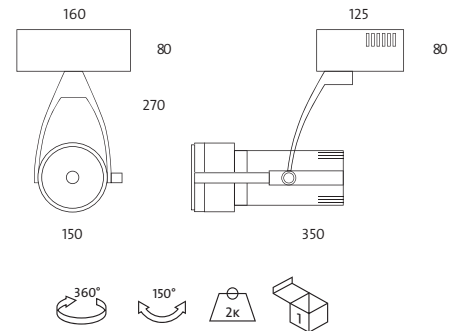
Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
001S 01 50	White	SDW-T	GX12-1	50w	403,06	0,25	0,30
001S 02 50	Black	SDW-T	GX12-1	50w	415,15	0,25	0,30
001S 52 50	Matt chrome	SDW-T	GX12-1	50w	415,15	0,25	0,30
001S 90 50	Titanium	SDW-T	GX12-1	50w	415,15	0,25	0,30
001S 01 10	White	SDW-T	GX12-1	100w	403,06	0,25	0,30
001S 02 10	Black	SDW-T	GX12-1	100w	415,15	0,25	0,30
001S 52 10	Matt chrome	SDW-T	GX12-1	100w	415,15	0,25	0,30
001S 90 10	Titanium	SDW-T	GX12-1	100w	415,15	0,25	0,30

Proctom surface HQI

Includes electronic transformers, glass and HQI lamp G12

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
001G 01 35	White	HQI	G-12	35w	212,44	0,25	0,30
001G 02 35	Black	HQI	G-12	35w	294,45	0,25	0,30
001G 52 35	Matt chrome	HQI	G-12	35w	294,45	0,25	0,30
001G 90 35	Titanium	HQI	G-12	35w	294,45	0,25	0,30
001G 01 70	White	HQI	G-12	70w	285,90	0,25	0,30
001G 02 70	Black	HQI	G-12	70w	294,47	0,25	0,30
001G 52 70	Matt chrome	HQI	G-12	70w	294,47	0,25	0,30
001G 90 70	Titanium	HQI	G-12	70w	294,47	0,25	0,30
001G 01 15	White	HQI	G-12	150w	374,48	0,25	0,30
001G 02 15	Black	HQI	G-12	150w	374,51	0,25	0,30
001G 52 15	Matt chrome	HQI	G-12	150w	374,51	0,25	0,30
001G 90 15	Titanium	HQI	G-12	150w	374,51	0,25	0,30

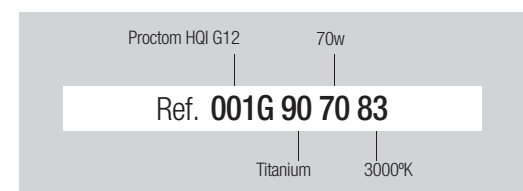
* Supplied in a standard manner with 4200° K lamp



Rough price increase of lamp		35w 70w 150w
		€
Ref. LM	Mastercolor Lamp	19,50

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
HQI 35w	•	•
HQI 70w	•	•
HQI 150w	•	•

Example to write a reference with options



Arquik surface

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps QR-111, metal halide CDMR-111 lamps and LED-111 lamps, suitable for public and/or commercial areas.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White, black, matt chrome and titanium.



Arquik surface QR-111

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
3068 01 35 24	White	QR-111	G53	35w	168,98	0,25
3068 02 35 24	Black	QR-111	G53	35w	173,30	0,25
3068 52 35 24	Matt chrome	QR-111	G53	35w	173,30	0,25
3068 90 35 24	Titanium	QR-111	G53	35w	173,30	0,25
3068 01 50 45	White	QR-111	G53	50w	164,08	0,25
3068 02 50 45	Black	QR-111	G53	50w	173,30	0,25
3068 52 50 45	Matt chrome	QR-111	G53	50w	173,32	0,25
3068 90 50 45	Titanium	QR-111	G53	50w	173,34	0,25
3068 01 60 45	White	QR-111	G53	60w	175,51	0,25
3068 02 60 45	Black	QR-111	G53	60w	182,92	0,25
3068 52 60 45	Matt chrome	QR-111	G53	60w	182,94	0,25
3068 90 60 45	Titanium	QR-111	G53	60w	182,96	0,25
3068 01 75 45	White	QR-111	G53	75w	175,57	0,25
3068 02 75 45	Black	QR-111	G53	75w	179,89	0,25
3068 52 75 45	Matt chrome	QR-111	G53	75w	179,89	0,25
3068 90 75 45	Titanium	QR-111	G53	75w	179,89	0,25
3068 01 10 45	White	QR-111	G53	100w	175,59	0,25
3068 02 10 45	Black	QR-111	G53	100w	179,92	0,25
3068 52 10 45	Matt chrome	QR-111	G53	100w	179,94	0,25
3068 90 10 45	Titanium	QR-111	G53	100w	179,96	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

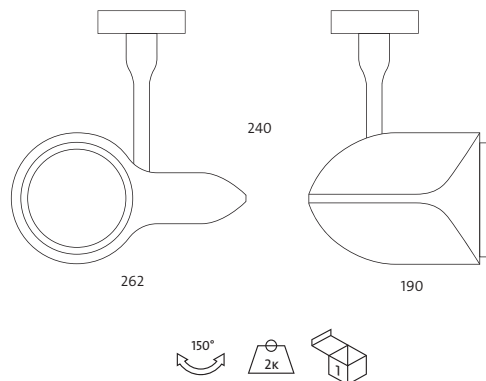
Arquik surface CDM-R 111

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
3068R 01 35	White	CDM-R	GX8.5	35w	366,26	0,25 0,30
3068R 02 35	Black	CDM-R	GX8.5	35w	370,59	0,25 0,30
3068R 52 35	Matt chrome	CDM-R	GX8.5	35w	370,61	0,25 0,30
3068R 90 35	Titanium	CDM-R	GX8.5	35w	370,63	0,25 0,30
3068R 01 70	White	CDM-R	GX8.5	70w	366,57	0,25 0,30
3068R 02 70	Black	CDM-R	GX8.5	70w	370,90	0,25 0,30
3068R 52 70	Matt chrome	CDM-R	GX8.5	70w	370,92	0,25 0,30
3068R 90 70	Titanium	CDM-R	GX8.5	70w	370,94	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Arquik surface LED

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3068L 01 12	White	LED-111	-	12w	298,59	0,25	0,20
3068L 02 12	Black	LED-111	-	12w	302,92	0,25	0,20
3068L 52 12	Matt chrome	LED-111	-	12w	302,92	0,25	0,20
3068L 90 12	Titanium	LED-111	-	12w	302,92	0,25	0,20

* Supplied in a standard manner with LED 6500° K lamp

Rough price increase of accessories		€
Ref. 3087	LED Red	30,00
Ref. 3088	LED Green	30,00
Ref. 3089	LED Blue	30,00

Rough price increase of driver		€
Ref. DR	Driver dimmable 1-10V	116,80

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Arquik surface HQI

Includes electronic transformers, glass and HQI lamp G12

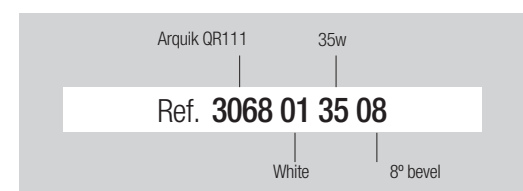
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3068G 01 35	White	HQI	G-12	35w	211,57	0,25	0,30
3068G 02 35	Black	HQI	G-12	35w	217,27	0,25	0,30
3068G 52 35	Matt chrome	HQI	G-12	35w	217,27	0,25	0,30
3068G 90 35	Titanium	HQI	G-12	35w	217,27	0,25	0,30
3068G 01 70	White	HQI	G-12	70w	219,67	0,25	0,30
3068G 02 70	Black	HQI	G-12	70w	225,37	0,25	0,30
3068G 52 70	Matt chrome	HQI	G-12	70w	225,37	0,25	0,30
3068G 90 70	Titanium	HQI	G-12	70w	225,37	0,25	0,30
3068G 01 15	White	HQI	G-12	150w	230,65	0,25	0,30
3068G 02 15	Black	HQI	G-12	150w	236,63	0,25	0,30
3068G 52 15	Matt chrome	HQI	G-12	150w	236,63	0,25	0,30
3068G 90 15	Titanium	HQI	G-12	150w	236,63	0,25	0,30

* Supplied in a standard manner with 4200° K lamp

Rough price increase of lamp		35w 70w 150w
Ref. LM	Mastercolor Lamp	19,50

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 35w	•	•
HQI 70w	•	•
HQI 150w	•	•

Example to write a reference with options



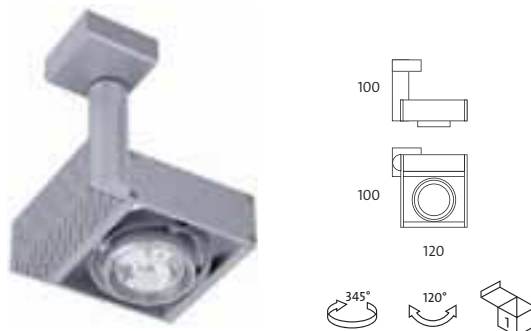




Combox surface / suspension

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of COMBOX lightings use dichroic halogen lamps, LED lamps, halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use and CDMR-111 lamps in the models for 4 lamps with exclusively commercial use.
- Installation:** Directly screw on ceiling (screw not included). With a suspension kit, standard version 1 meter length in the models for 4 lamps.
- Colours:** Black, matt chrome and titanium



Combox surface QR-111 1 lamp

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
022 01 01 35 24	White	QR-111	G53	1x35w	172,08	0,25
022 01 02 35 24	Black	QR-111	G53	1x35w	177,24	0,25
022 01 52 35 24	Matt chrome	QR-111	G53	1x35w	177,24	0,25
022 01 90 35 24	Titanium	QR-111	G53	1x35w	177,24	0,25
022 01 01 50 45	White	QR-111	G53	1x50w	172,08	0,25
022 01 02 50 45	Black	QR-111	G53	1x50w	177,24	0,25
022 01 52 50 45	Matt chrome	QR-111	G53	1x50w	177,24	0,25
022 01 90 50 45	Titanium	QR-111	G53	1x50w	177,24	0,25
022 01 01 60 45	White	QR-111	G53	1x60w	179,95	0,25
022 01 02 60 45	Black	QR-111	G53	1x60w	185,35	0,25
022 01 52 60 45	Matt chrome	QR-111	G53	1x60w	185,35	0,25
022 01 90 60 45	Titanium	QR-111	G53	1x60w	185,35	0,25

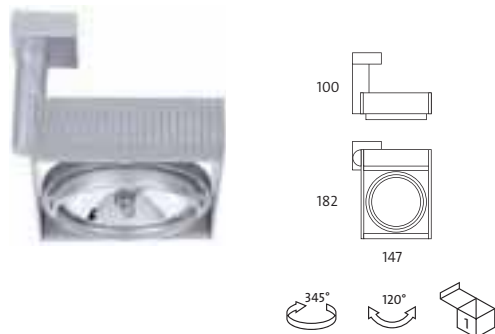
* Supplied in a standard manner with maximum lamp level.

Combox surface LED-111 1 lamp

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
022B 01 01 12	White	LED-111	-	1x12w	277,93	0,25 0,20
022B 01 02 12	Black	LED-111	-	1x12w	286,27	0,25 0,20
022B 01 52 12	Matt chrome	LED-111	-	1x12w	286,27	0,25 0,20
022B 01 90 12	Titanium	LED-111	-	1x12w	286,27	0,25 0,20

* Supplied in a standard manner with 3100° K lamp



Combox DC surface 1 lamp

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020 02 01 50	Black	12v50w	GU5.3	1x50w	141,76	0,25
020 52 01 50	Matt chrome	12v50w	GU5.3	1x50w	141,76	0,25
020 90 01 50	Titanium	12v50w	GU5.3	1x50w	141,76	0,25

* Supplied in a standard manner with 36° opening lamp

Includes DIRECT lamp 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020U 02 01	Black	220v50w	GU-10	1x50w	138,60	0,25
020U 52 01	Matt chrome	220v50w	GU-10	1x50w	138,60	0,25
020U 90 01	Titanium	220v50w	GU-10	1x50w	138,60	0,25

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 01 07	Black	LED	GU-10	1x7w	200,60	0,25 0,20
020L 52 01 07	Matt chrome	LED	GU-10	1x7w	200,60	0,25 0,20
020L 90 01 07	Titanium	LED	GU-10	1x7w	200,60	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 01 05	Black	LED	GU5.3	1x5w	193,20	0,25 0,20
020L 52 01 05	Matt chrome	LED	GU5.3	1x5w	193,20	0,25 0,20
020L 90 01 05	Titanium	LED	GU5.3	1x5w	193,20	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 01 03	Black	LED	GU5.3	1x3w	200,02	0,25 0,20
020L 52 01 03	Matt chrome	LED	GU5.3	1x3w	200,02	0,25 0,20
020L 90 01 03	Titanium	LED	GU5.3	1x3w	200,02	0,25 0,20

Rough increase of accesories

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Combox DC surface 2 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020 02 02 50	Black	12v50w	GU5.3	2x50w	193,51	0,25
020 52 02 50	Matt chrome	12v50w	GU5.3	2x50w	193,51	0,25
020 90 02 50	Titanium	12v50w	GU5.3	2x50w	193,51	0,25

* Supplied in a standard manner with 36° opening lamp

Includes DIRECT lamp 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020U 02 02	Black	220v50w	GU-10	2x50w	187,19	0,25
020U 52 02	Matt chrome	220v50w	GU-10	2x50w	187,19	0,25
020U 90 02	Titanium	220v50w	GU-10	2x50w	187,19	0,25

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
020L 02 02 07	Black	LED	GU-10	2x7w	296,42	0,25	0,40
020L 52 02 07	Matt chrome	LED	GU-10	2x7w	296,42	0,25	0,40
020L 90 02 07	Titanium	LED	GU-10	2x7w	296,42	0,25	0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
020L 02 02 05	Black	LED	GU5.3	2x5w	287,26	0,25	0,40
020L 52 02 05	Matt chrome	LED	GU5.3	2x5w	287,26	0,25	0,40
020L 90 02 05	Titanium	LED	GU5.3	2x5w	287,26	0,25	0,40

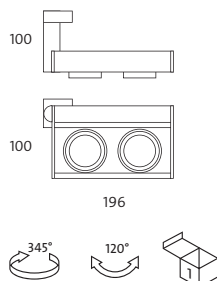
* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
020L 02 02 03	Black	LED	GU5.3	2x3w	307,31	0,25	0,40
020L 52 02 03	Matt chrome	LED	GU5.3	2x3w	307,31	0,25	0,40
020L 90 02 03	Titanium	LED	GU5.3	2x3w	307,31	0,25	0,40

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Combox surface QR-111 2 lamps

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
022 02 01 35 24	White	QR-111	G53	2x35w	238,84	0,25
022 02 02 35 24	Black	QR-111	G53	2x35w	246,00	0,25
022 02 52 35 24	Matt chrome	QR-111	G53	2x35w	246,00	0,25
022 02 90 35 24	Titanium	QR-111	G53	2x35w	246,00	0,25
022 02 01 50 45	White	QR-111	G53	2x50w	238,84	0,25
022 02 02 50 45	Black	QR-111	G53	2x50w	246,00	0,25
022 02 52 50 45	Matt chrome	QR-111	G53	2x50w	246,00	0,25
022 02 90 50 45	Titanium	QR-111	G53	2x50w	246,00	0,25
022 02 01 60 45	White	QR-111	G53	2x60w	254,60	0,25
022 02 02 60 45	Black	QR-111	G53	2x60w	262,23	0,25
022 02 52 60 45	Matt chrome	QR-111	G53	2x60w	262,23	0,25
022 02 90 60 45	Titanium	QR-111	G53	2x60w	262,23	0,25

* Supplied in a standard manner with maximum lamp level.

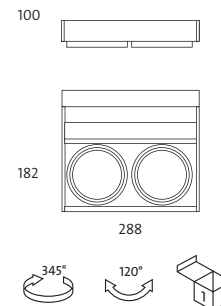
Combox surface LED-111 2 lamps

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
022B 02 01 12	White	LED-111	-	2x12w	442,74	0,25	0,40
022B 02 02 12	Black	LED-111	-	2x12w	456,01	0,25	0,40
022B 02 52 12	Matt chrome	LED-111	-	2x12w	456,01	0,25	0,40
022B 02 90 12	Titanium	LED-111	-	2x12w	456,01	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000K
LED-111 12w	•	•



Combox surface / suspension



Combox QR-111 3 lamps

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
022 03 01 35 24	White	QR-111	G53	3x35w	299,68	0,25
022 03 02 35 24	Black	QR-111	G53	3x35w	308,67	0,25
022 03 52 35 24	Matt chrome	QR-111	G53	3x35w	308,67	0,25
022 03 90 35 24	Titanium	QR-111	G53	3x35w	308,67	0,25
022 03 01 50 45	White	QR-111	G53	3x50w	299,68	0,25
022 03 02 50 45	Black	QR-111	G53	3x50w	308,67	0,25
022 03 52 50 45	Matt chrome	QR-111	G53	3x50w	308,67	0,25
022 03 90 50 45	Titanium	QR-111	G53	3x50w	308,67	0,25
022 03 01 60 45	White	QR-111	G53	3x60w	313,91	0,25
022 03 02 60 45	Black	QR-111	G53	3x60w	333,01	0,25
022 03 52 60 45	Matt chrome	QR-111	G53	3x60w	333,01	0,25
022 03 90 60 45	Titanium	QR-111	G53	3x60w	333,01	0,25

* Supplied in a standard manner with maximum lamp bevel.

Combox DC surface 3 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020 02 03 50	Black	12v50w	GU5.3	3x50w	243,66	0,25
020 52 03 50	Matt chrome	12v50w	GU5.3	3x50w	243,66	0,25
020 90 03 50	Titanium	12v50w	GU5.3	3x50w	243,66	0,25

* Supplied in a standard manner with 36° opening lamp

Includes DIRECT lamp 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020U 02 03	Black	220v50w	GU-10	3x50w	241,42	0,25
020U 52 03	Matt chrome	220v50w	GU-10	3x50w	241,42	0,25
020U 90 03	Titanium	220v50w	GU-10	3x50w	241,42	0,25

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 03 07	Black	LED	GU-10	3x7w	395,08	0,25 0,60
020L 52 03 07	Matt chrome	LED	GU-10	3x7w	395,08	0,25 0,60
020L 90 03 07	Titanium	LED	GU-10	3x7w	395,08	0,25 0,60

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 03 05	Black	LED	GU5.3	3x5w	383,87	0,25 0,60
020L 52 03 05	Matt chrome	LED	GU5.3	3x5w	383,87	0,25 0,60
020L 90 03 05	Titanium	LED	GU5.3	3x5w	383,87	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 03 03	Black	LED	GU5.3	3x3w	412,96	0,25 0,60
020L 52 03 03	Matt chrome	LED	GU5.3	3x3w	412,96	0,25 0,60
020L 90 03 03	Titanium	LED	GU5.3	3x3w	412,96	0,25 0,60

Ref.	Controller for MR16 LED RGB lamp	€
3080	Controller for MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•

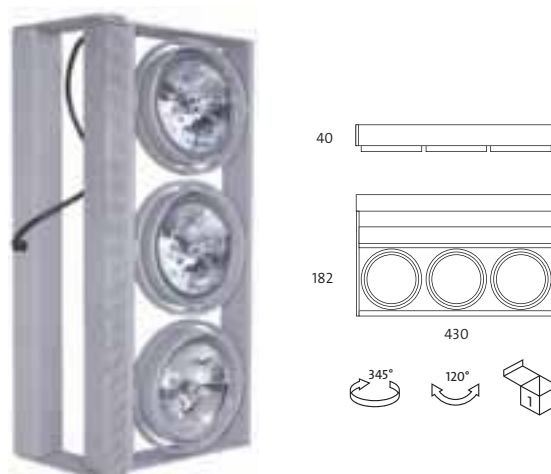
Combox LED-111 3 lamps

Includes driver and LED-111 lamp

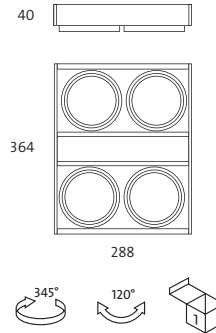
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
022B 03 01 12	White	LED-111	-	3x12w	591,90	0,25 0,60
022B 03 02 12	Black	LED-111	-	3x12w	609,65	0,25 0,60
022B 03 52 12	Matt chrome	LED-111	-	3x12w	609,65	0,25 0,60
022B 03 90 12	Titanium	LED-111	-	3x12w	609,65	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•



Combox



Combox DC suspension 4 lamps (includes suspension kit)

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020 02 04 50	Black	12v50w	GU5.3	4x50w	352,72	0,25
020 52 04 50	Matt chrome	12v50w	GU5.3	4x50w	352,72	0,25
020 90 04 50	Titanium	12v50w	GU5.3	4x50w	352,72	0,25

* Supplied in a standard manner with 36° opening lamp

Includes DIRECT lamp 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
020U 02 04	Black	220v50w	GU-10	4x50w	346,58	0,25
020U 52 04	Matt chrome	220v50w	GU-10	4x50w	346,58	0,25
020U 90 04	Titanium	220v50w	GU-10	4x50w	346,58	0,25

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 04 07	Black	LED	GU-10	4x7w	554,28	0,25 0,80
020L 52 04 07	Matt chrome	LED	GU-10	4x7w	554,28	0,25 0,80
020L 90 04 07	Titanium	LED	GU-10	4x7w	554,28	0,25 0,80

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 04 05	Black	LED	GU5.3	4x5w	539,90	0,25 0,80
020L 52 04 05	Matt chrome	LED	GU5.3	4x5w	539,90	0,25 0,80
020L 90 04 05	Titanium	LED	GU5.3	4x5w	539,90	0,25 0,80

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
020L 02 04 03	Black	LED	GU5.3	4x3w	579,29	0,25 0,80
020L 52 04 03	Matt chrome	LED	GU5.3	4x3w	579,29	0,25 0,80
020L 90 04 03	Titanium	LED	GU5.3	4x3w	579,29	0,25 0,80



Rough increase of accessories

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Combox suspension QR 4 lamps (includes suspension kit)

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
022 04 01 35 24	White	QR-111	G53	4x35w	429,10	0,25
022 04 02 35 24	Black	QR-111	G53	4x35w	441,97	0,25
022 04 52 35 24	Matt chrome	QR-111	G53	4x35w	441,97	0,25
022 04 90 35 24	Titanium	QR-111	G53	4x35w	441,97	0,25
022 04 01 50 45	White	QR-111	G53	4x50w	429,10	0,25
022 04 02 50 45	Black	QR-111	G53	4x50w	441,97	0,25
022 04 52 50 45	Matt chrome	QR-111	G53	4x50w	441,97	0,25
022 04 90 50 45	Titanium	QR-111	G53	4x50w	441,97	0,25
022 04 01 60 45	White	QR-111	G53	4x60w	460,62	0,25
022 04 02 60 45	Black	QR-111	G53	4x60w	474,43	0,25
022 04 52 60 45	Matt chrome	QR-111	G53	4x60w	474,43	0,25
022 04 90 60 45	Titanium	QR-111	G53	4x60w	474,43	0,25

* Supplied in a standard manner with maximum lamp bevel.

Combox suspension LED-111 4 lamps (includes suspension kit)

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
022B 04 01 12	White	LED-111	-	4x12w	819,86	0,25 0,80
022B 04 02 12	Black	LED-111	-	4x12w	844,45	0,25 0,80
022B 04 52 12	Matt chrome	LED-111	-	4x12w	844,45	0,25 0,80
022B 04 90 12	Titanium	LED-111	-	4x12w	844,45	0,25 0,80

* Supplied in a standard manner with 3100° K lamp

Combox suspension CDM-R 111 4 lamps (includes suspension kit)

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
022R 04 01 35	White	CDM-R	GX8.5	4x35w	987,66	0,25 1,20
022R 04 02 35	Black	CDM-R	GX8.5	4x35w	1017,28	0,25 1,20
022R 04 52 35	Matt chrome	CDM-R	GX8.5	4x35w	1017,28	0,25 1,20
022R 04 90 35	Titanium	CDM-R	GX8.5	4x35w	1017,28	0,25 1,20

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

Example to write a reference with options

Combox QR Black 35w

Ref. **022 04 02 35 24**

4 Lamp 24° bevel

Prodi


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of PRODI lightings use halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included). With a suspension kit, standard version 1 meter length in the models for 2 or 4 lamps.
- Colours:** Black, matt chrome and titanium.




Prodi 1 lamp

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 055 02 50	Black	12v50w	GU5.3	1x50w	185,32	0,25
055 52 50	Matt chrome	12v50w	GU5.3	1x50w	185,32	0,25
055 90 50	Titanium	12v50w	GU5.3	1x50w	185,32	0,25


* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 LED 055L 02 07	Black	LED	GU-10	1x7w	241,27	0,25	0,20
055L 52 07	Matt chrome	LED	GU-10	1x7w	241,27	0,25	0,20
055L 90 07	Titanium	LED	GU-10	1x7w	241,27	0,25	0,20


* Supplied in a standard manner with 3000° K dimmable lamp

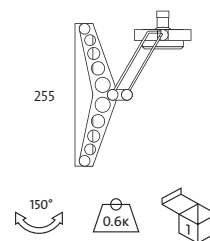
Includes driver and lamps LED 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 LED 055L 02 05	Black	LED	GU5.3	1x5w	233,07	0,25	0,20
055L 52 05	Matt chrome	LED	GU5.3	1x5w	233,07	0,25	0,20
055L 90 05	Titanium	LED	GU5.3	1x5w	233,07	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 LED 055L 02 03	Black	LED	GU5.3	1x3w	244,87	0,25	0,20
055L 52 03	Matt chrome	LED	GU5.3	1x3w	244,87	0,25	0,20
055L 90 03	Titanium	LED	GU5.3	1x3w	244,87	0,25	0,20



Rough increase of accessories

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Prodi 2 lamps

Includes electronic transformers and DICHROIC HALOGEN lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
051 02 50	Black	12v50w	GU5.3	2x50w	189,21	0,25	0,25
051 52 50	Matt chrome	12v50w	GU5.3	2x50w	189,21	0,25	0,25
051 90 50	Titanium	12v50w	GU5.3	2x50w	189,21	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
051L 02 07	Black	LED	GU-10	2x7w	292,08	0,25	0,40
051L 52 07	Matt chrome	LED	GU-10	2x7w	292,08	0,25	0,40
051L 90 07	Titanium	LED	GU-10	2x7w	292,08	0,25	0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and lamps LED 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
051L 02 05	Black	LED	GU5.3	2x5w	282,89	0,25	0,40
051L 52 05	Matt chrome	LED	GU5.3	2x5w	282,89	0,25	0,40
051L 90 05	Titanium	LED	GU5.3	2x5w	282,89	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
051L 02 03	Black	LED	GU5.3	2x3w	302,86	0,25	0,40
051L 52 03	Matt chrome	LED	GU5.3	2x3w	302,86	0,25	0,40
051L 90 03	Titanium	LED	GU5.3	2x3w	302,86	0,25	0,40



Prodi 4 lamps

Includes electronic transformers and DICHROIC HALOGEN lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
052 02 50	Black	12v50w	GU5.3	4x50w	344,86	0,25	0,25
052 52 50	Matt chrome	12v50w	GU5.3	4x50w	344,86	0,25	0,25
052 90 50	Titanium	12v50w	GU5.3	4x50w	344,86	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
052L 02 07	Black	LED	GU-10	4x7w	546,17	0,25	0,80
052L 52 07	Matt chrome	LED	GU-10	4x7w	546,17	0,25	0,80
052L 90 07	Titanium	LED	GU-10	4x7w	546,17	0,25	0,80

* Supplied in a standard manner with 3000° K dimmable lamp

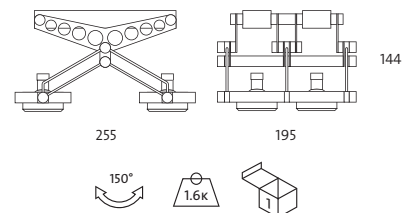
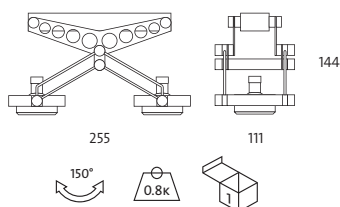
Includes driver and lamps LED 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
052L 02 05	Black	LED	GU5.3	4x5w	531,99	0,25	0,80
052L 52 05	Matt chrome	LED	GU5.3	4x5w	531,99	0,25	0,80
052L 90 05	Titanium	LED	GU5.3	4x5w	531,99	0,25	0,80

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
052L 02 03	Black	LED	GU5.3	4x3w	517,19	0,25	0,80
052L 52 03	Matt chrome	LED	GU5.3	4x3w	517,19	0,25	0,80
052L 90 03	Titanium	LED	GU5.3	4x3w	517,19	0,25	0,80



Rough increase of accessories

Ref.	Description	€
Ref. 1211B	Suspension kit Prodi 2 lamps	12,50
Ref. 1211	Suspension kit Prodi 4 lamps	25,00


Cesspro surface / suspension

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of CESSPRO lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included). With a suspension kit, standard version 1 meter length in the models for 2 or 4 lamps.
- Colours:** Black, matt chrome and titanium.

Cesspro Surface - 2 lamps


Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 063 02 35 24	Black	QR-111	G53	2x35w	245,24	0,25
063 52 35 24	Matt chrome	QR-111	G53	2x35w	245,24	0,25
063 90 35 24	Titanium	QR-111	G53	2x35w	245,24	0,25
063 02 50 45	Black	QR-111	G53	2x50w	245,24	0,25
063 52 50 45	Matt chrome	QR-111	G53	2x50w	245,24	0,25
063 90 50 45	Titanium	QR-111	G53	2x50w	245,24	0,25
063 02 60 45	Black	QR-111	G53	2x60w	260,43	0,25
063 52 60 45	Matt chrome	QR-111	G53	2x60w	260,43	0,25
063 90 60 45	Titanium	QR-111	G53	2x60w	260,43	0,25

* Supplied in a standard manner with maximum lamp bevel.




Includes driver and lamps LED-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
 063B 02 12	Black	LED-111	-	2x12w	443,65	0,25	0,40
063B 52 12	Matt chrome	LED-111	-	2x12w	443,65	0,25	0,40
063B 90 12	Titanium	LED-111	-	2x12w	443,65	0,25	0,40

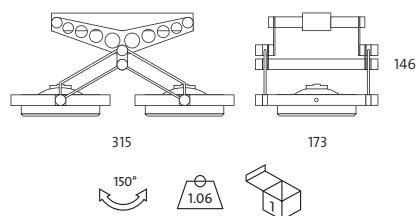
* Supplied in a standard manner with 3100° K lamp

Cesspro Suspension - 2 lamps


Includes Suspension kit, equipo and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 061S 02 35 24	Black	QR-111	G53	2x35w	262,65	0,25
061S 52 35 24	Matt chrome	QR-111	G53	2x35w	262,65	0,25
061S 90 35 24	Titanium	QR-111	G53	2x35w	262,65	0,25
061S 02 50 45	Black	QR-111	G53	2x50w	262,65	0,25
061S 52 50 45	Matt chrome	QR-111	G53	2x50w	262,65	0,25
061S 90 50 45	Titanium	QR-111	G53	2x50w	262,65	0,25
061S 02 60 45	Black	QR-111	G53	2x60w	277,82	0,25
061S 52 60 45	Matt chrome	QR-111	G53	2x60w	277,82	0,25
061S 90 60 45	Titanium	QR-111	G53	2x60w	277,82	0,25

* Supplied in a standard manner with maximum lamp bevel.



Includes driver and lamps LED-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
 061BS 02 12	Black	LED-111	-	2x12w	461,05	0,25	0,40
061BS 52 12	Matt chrome	LED-111	-	2x12w	461,05	0,25	0,40
061BS 90 12	Titanium	LED-111	-	2x12w	461,05	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Cesspro Surface - 4 lamps

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
064 02 35 24	Black	QR-111	G53	4x35w	441,77	0,25
064 52 35 24	Matt chrome	QR-111	G53	4x35w	441,77	0,25
064 90 35 24	Titanium	QR-111	G53	4x35w	441,77	0,25
064 02 50 45	Black	QR-111	G53	4x50w	441,77	0,25
064 52 50 45	Matt chrome	QR-111	G53	4x50w	441,77	0,25
064 90 50 45	Titanium	QR-111	G53	4x50w	441,77	0,25
064 02 60 45	Black	QR-111	G53	4x60w	473,29	0,25
064 52 60 45	Matt chrome	QR-111	G53	4x60w	473,29	0,25
064 90 60 45	Titanium	QR-111	G53	4x60w	473,29	0,25

* Supplied in a standard manner with maximum lamp level.

Includes driver and lamps LED-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
064B 02 12	Black	LED-111	-	4x12w	834,79	0,25 0,80
064B 52 12	Matt chrome	LED-111	-	4x12w	834,79	0,25 0,80
064B 90 12	Titanium	LED-111	-	4x12w	834,79	0,25 0,80

* Supplied in a standard manner with 3100° K lamp



Cesspro Suspension - 4 lamps

Includes Suspension kit, equipo and lamps QR-111

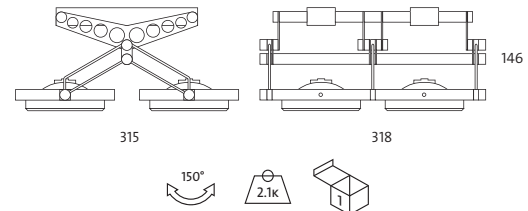
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
066 02 35 24	Black	QR-111	G53	4x35w	476,56	0,25
066 52 35 24	Matt chrome	QR-111	G53	4x35w	476,56	0,25
066 90 35 24	Titanium	QR-111	G53	4x35w	476,56	0,25
066 02 50 45	Black	QR-111	G53	4x50w	476,56	0,25
066 52 50 45	Matt chrome	QR-111	G53	4x50w	476,56	0,25
066 90 50 45	Titanium	QR-111	G53	4x50w	476,56	0,25
066 02 60 45	Black	QR-111	G53	4x60w	484,44	0,25
066 52 60 45	Matt chrome	QR-111	G53	4x60w	484,44	0,25
066 90 60 45	Titanium	QR-111	G53	4x60w	484,44	0,25

* Supplied in a standard manner with maximum lamp level.

Includes driver and lamps LED-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
066BS 02 12	Black	LED-111	G53	4x12w	869,60	0,25 0,80
066BS 52 12	Matt chrome	LED-111	G53	4x12w	869,60	0,25 0,80
066BS 90 12	Titanium	LED-111	G53	4x12w	869,60	0,25 0,80

* Supplied in a standard manner with 3100° K lamp



Rough price increase of driver

Ref. DR	Driver dimmable 1-10V	€
		116,80

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•

Example to write a reference with options

Cesspro 4 Lamp 24° bevel

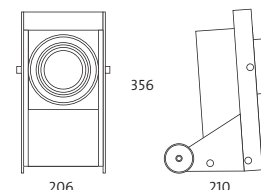
Ref. **062 02 60 24**

Black 60w.

Tander QR-111/CDM-R 111/LED-111

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
Optics: Optics incorporated in the lamps.
Supply: Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
Lamps: The series of TANDER lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and commercial areas.
Installation: It includes a 1.5 meter power cable with switch and plug.
Colours: White, black, chrome matt and titanium.



Tander 1 lamp

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
096 01 35	White	QR-111	G53	1x35w	152,39	0,50
096 02 35	Black	QR-111	G53	1x35w	156,96	0,50
096 52 35	Matt chrome	QR-111	G53	1x35w	156,96	0,50
096 90 35	Titanium	QR-111	G53	1x35w	156,96	0,50
096 01 50	White	QR-111	G53	1x50w	152,39	0,50
096 02 50	Black	QR-111	G53	1x50w	156,96	0,50
096 52 50	Matt chrome	QR-111	G53	1x50w	156,96	0,50
096 90 50	Titanium	QR-111	G53	1x50w	156,96	0,50
096 01 60	White	QR-111	G53	1x60w	162,62	0,50
096 02 60	Black	QR-111	G53	1x60w	167,50	0,50
096 52 60	Matt chrome	QR-111	G53	1x60w	167,50	0,50
096 90 60	Titanium	QR-111	G53	1x60w	167,50	0,50
096 01 75	White	QR-111	G53	1x75w	159,37	0,50
096 02 75	Black	QR-111	G53	1x75w	164,14	0,50
096 52 75	Matt chrome	QR-111	G53	1x75w	164,14	0,50
096 90 75	Titanium	QR-111	G53	1x75w	164,14	0,50
096 01 10	White	QR-111	G53	1x100w	159,37	0,50
096 02 10	Black	QR-111	G53	1x100w	165,75	0,50
096 52 10	Matt chrome	QR-111	G53	1x100w	165,75	0,50
096 90 10	Titanium	QR-111	G53	1x100w	165,75	0,50

* Supplied in a standard manner with maximum lamp bevel.

Tander 3 lamps

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
099C 01 35	White	QR-111	G53	3x35w	304,28	0,70
099C 02 35	Black	QR-111	G53	3x35w	313,40	0,70
099C 52 35	Matt chrome	QR-111	G53	3x35w	313,40	0,70
099C 90 35	Titanium	QR-111	G53	3x35w	313,40	0,70
099C 01 50	White	QR-111	G53	3x50w	304,28	0,70
099C 02 50	Black	QR-111	G53	3x50w	313,40	0,70
099C 52 50	Matt chrome	QR-111	G53	3x50w	313,40	0,70
099C 90 50	Titanium	QR-111	G53	3x50w	313,40	0,70
099C 01 60	White	QR-111	G53	3x60w	324,42	0,70
099C 02 60	Black	QR-111	G53	3x60w	334,15	0,70
099C 52 60	Matt chrome	QR-111	G53	3x60w	334,15	0,70
099C 90 60	Titanium	QR-111	G53	3x60w	334,15	0,70
099C 01 75	White	QR-111	G53	3x75w	314,67	0,70
099C 02 75	Black	QR-111	G53	3x75w	324,10	0,70
099C 52 75	Matt chrome	QR-111	G53	3x75w	324,10	0,70
099C 90 75	Titanium	QR-111	G53	3x75w	324,10	0,70
099C 01 10	White	QR-111	G53	3x100w	314,67	0,70
099C 02 10	Black	QR-111	G53	3x100w	324,10	0,70
099C 52 10	Matt chrome	QR-111	G53	3x100w	324,10	0,70
099C 90 10	Titanium	QR-111	G53	3x100w	324,10	0,70

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	Lamp
096B 01 12	White	LED-111	-	1x12w	253,29	0,50	0,20
096B 02 12	Black	LED-111	-	1x12w	260,88	0,50	0,20
096B 52 12	Matt chrome	LED-111	-	1x12w	260,88	0,50	0,20
096B 90 12	Titanium	LED-111	-	1x12w	260,88	0,50	0,20

* Supplied in a standard manner with 3100° K lamp

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	Lamp
746 01 35C	White	CDM-R 111	GX8.5	1x35w	322,73	0,50	0,30
746 02 35C	Black	CDM-R 111	GX8.5	1x35w	332,41	0,50	0,30
746 52 35C	Matt chrome	CDM-R 111	GX8.5	1x35w	332,41	0,50	0,30
746 90 35C	Titanium	CDM-R 111	GX8.5	1x35w	332,41	0,50	0,30
746 01 70C	White	CDM-R 111	GX8.5	1x70w	331,35	0,50	0,30
746 02 70C	Black	CDM-R 111	GX8.5	1x70w	341,29	0,50	0,30
746 52 70C	Matt chrome	CDM-R 111	GX8.5	1x70w	341,29	0,50	0,30
746 90 70C	Titanium	CDM-R 111	GX8.5	1x70w	341,29	0,50	0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	Lamp
099B 01 12	White	LED-111	-	3x12w	600,01	0,50	0,60
099B 02 12	Black	LED-111	-	3x12w	618,00	0,50	0,60
099B 52 12	Matt chrome	LED-111	-	3x12w	618,00	0,50	0,60
099B 90 12	Titanium	LED-111	-	3x12w	618,00	0,50	0,60

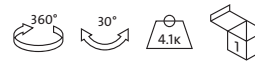
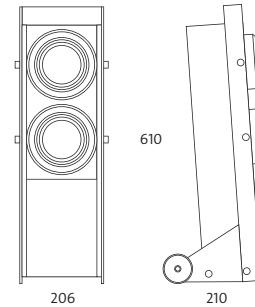
* Supplied in a standard manner with 3100° K lamp

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	Lamp
748 01 35C	White	CDM-R 111	GX8.5	3x35w	791,62	0,70	0,90
748 02 35C	Black	CDM-R 111	GX8.5	3x35w	815,36	0,70	0,90
748 52 35C	Matt chrome	CDM-R 111	GX8.5	3x35w	815,36	0,70	0,90
748 90 35C	Titanium	CDM-R 111	GX8.5	3x35w	815,36	0,70	0,90
748 01 70C	White	CDM-R 111	GX8.5	3x70w	800,24	0,70	0,90
748 02 70C	Black	CDM-R 111	GX8.5	3x70w	824,24	0,70	0,90
748 52 70C	Matt chrome	CDM-R 111	GX8.5	3x70w	824,24	0,70	0,90
748 90 70C	Titanium	CDM-R 111	GX8.5	3x70w	824,24	0,70	0,90

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



Tander 2 lamps

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
098 01 35	White	QR-111	G53	2x35w	235,95	0,70
098 02 35	Black	QR-111	G53	2x35w	245,40	0,70
098 52 35	Matt chrome	QR-111	G53	2x35w	245,40	0,70
098 90 35	Titanium	QR-111	G53	2x35w	245,40	0,70
098 01 50	White	QR-111	G53	2x50w	235,95	0,70
098 02 50	Black	QR-111	G53	2x50w	243,02	0,70
098 52 50	Matt chrome	QR-111	G53	2x50w	243,02	0,70
098 90 50	Titanium	QR-111	G53	2x50w	243,02	0,70
098 01 60	White	QR-111	G53	2x60w	254,55	0,70
098 02 60	Black	QR-111	G53	2x60w	262,18	0,70
098 52 60	Matt chrome	QR-111	G53	2x60w	262,18	0,70
098 90 60	Titanium	QR-111	G53	2x60w	262,18	0,70
098 01 75	White	QR-111	G53	2x75w	250,42	0,70
098 02 75	Black	QR-111	G53	2x75w	257,92	0,70
098 52 75	Matt chrome	QR-111	G53	2x75w	257,92	0,70
098 90 75	Titanium	QR-111	G53	2x75w	257,92	0,70
098 01 10	White	QR-111	G53	2x100w	250,42	0,70
098 02 10	Black	QR-111	G53	2x100w	257,92	0,70
098 52 10	Matt chrome	QR-111	G53	2x100w	257,92	0,70
098 90 10	Titanium	QR-111	G53	2x100w	257,92	0,70

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	Lamp
097B 01 12	White	LED-111	-	2x12w	435,70	0,50	0,40
097B 02 12	Black	LED-111	-	2x12w	448,76	0,50	0,40
097B 52 12	Matt chrome	LED-111	-	2x12w	448,76	0,50	0,40
097B 90 12	Titanium	LED-111	-	2x12w	448,76	0,50	0,40

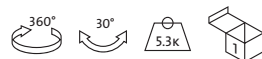
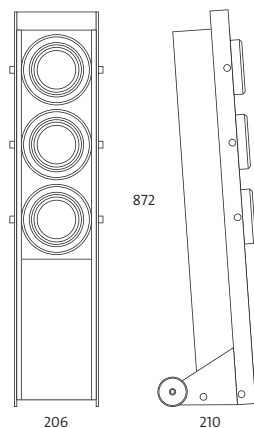
* Supplied in a standard manner with 3100° K lamp

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
747 01 35C	White	CDM-R 111	GX8.5	2x35w	526,76	0,70	0,60
747 02 35C	Black	CDM-R 111	GX8.5	2x35w	542,56	0,70	0,60
747 52 35C	Matt chrome	CDM-R 111	GX8.5	2x35w	542,56	0,70	0,60
747 90 35C	Titanium	CDM-R 111	GX8.5	2x35w	542,56	0,70	0,60
747 01 70C	White	CDM-R 111	GX8.5	2x70w	568,89	0,70	0,60
747 02 70C	Black	CDM-R 111	GX8.5	2x70w	585,95	0,70	0,60
747 52 70C	Matt chrome	CDM-R 111	GX8.5	2x70w	585,95	0,70	0,60
747 90 70C	Titanium	CDM-R 111	GX8.5	2x70w	585,95	0,70	0,60

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



LED-111 OPTIONS

	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Rough price increase of driver

Ref. DR	Driver dimmable 1-10V	€
		116,80

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•		•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•





Friled

Protection degree IP43

- Material:** Extruded aluminium structure, lined with thermo paint, polycarbonate transparent diffuser.
- Optics:** Optics incorporated in the LED lamps.
- Supply:** Electronic equipment included with the lamp, adequate to the LED Lamps power.
- Lamps:** From 6 to 14 LED's Osram Dragon-X, with different powers from 7.3w to 35w accordig to the model.
- Installation:** Especially designed for food fridges. It can be used directly on surface or on ceiling with 1 meter high suspension (Ref. 3036) (screw not included), suitable for outdoor or damp environment.
- Colours:** Titanium body with internal modules, in white, black, yellow, blue, red and titanium. If requested the external body can be supplied in white, black or matt chrome.
- Options:** Also available in other colours, masures and with accessories to create geometrical structures (Intermediate or 90° connections) Ask for more Information.




Ref. 3036
Suspension kit. Suspension kit. Standard version 1 metre length. Made-to-measure possibility.

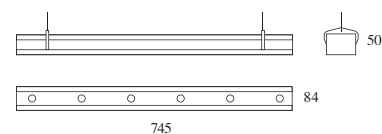


Friled 745 / 7.3w surface

Includes driver and 6 LEDs 1.2w


LED	Ref.	Inside C.	Lamp	W	€	RAEE lum.
	3030 01 86	White	LED	7,3w	367,47	0,25
	3030 02 86	Black	LED	7,3w	379,66	0,25
	3030 12 86	Yellow	LED	7,3w	379,66	0,25
	3030 60 86	Blue	LED	7,3w	379,66	0,25
	3030 70 86	Red	LED	7,3w	379,66	0,25
	3030 90 86	Titanium	LED	7,3w	379,66	0,25

* Supplied in a standard manner with LED 6500° K lamp

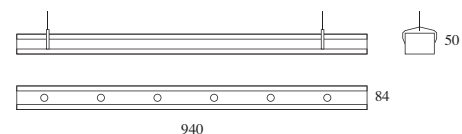


Friled 940 / 14.6w surface

Includes driver and 6 LEDs 2.4w


LED	Ref.	Inside C.	Lamp	W	€	RAEE lum.
	3032 01 86	White	LED	14,6w	472,92	0,25
	3032 02 86	Black	LED	14,6w	488,33	0,25
	3032 12 86	Yellow	LED	14,6w	488,33	0,25
	3032 60 86	Blue	LED	14,6w	488,33	0,25
	3032 70 86	Red	LED	14,6w	488,33	0,25
	3032 90 86	Titanium	LED	14,6w	488,33	0,25

* Supplied in a standard manner with LED 6500° K lamp

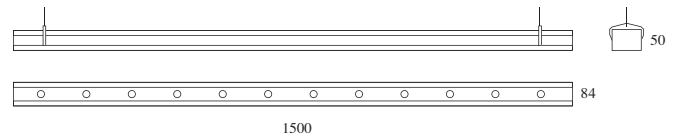


Friled 1500 / 30w surface

Includes driver and 12 LEDs 2.4w


LED	Ref.	Inside C.	Lamp	W	€	RAEE lum.
	3034 01 86	White	LED	30w	733,97	0,25
	3034 02 86	Black	LED	30w	765,73	0,25
	3034 12 86	Yellow	LED	30w	765,73	0,25
	3034 60 86	Blue	LED	30w	765,73	0,25
	3034 70 86	Red	LED	30w	765,73	0,25
	3034 90 86	Titanium	LED	30w	765,73	0,25

* Supplied in a standard manner with LED 6500° K lamp

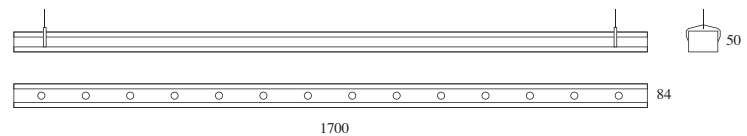


Friled 1700 / 35w surface

Includes driver and 14 LEDs 2.4w

LED	Ref.	Inside C.	Lamp	W	€	RAEE lum.
	3035 01 86	White	LED	35w	922,37	0,25
	3035 02 86	Black	LED	35w	951,69	0,25
	3035 12 86	Yellow	LED	35w	951,69	0,25
	3035 60 86	Blue	LED	35w	951,69	0,25
	3035 70 86	Red	LED	35w	951,69	0,25
	3035 90 86	Titanium	LED	35w	951,69	0,25

* Supplied in a standard manner with LED 6500° K lamp



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Rough price increase of accessories	€
Ref. 3036 Suspension kit (2 units)	26,20
Ref. 3037 Accessory for intermediate joint	12,00

Rough price increase of accessories	€ LED Unit
Ref. 3087 LED Red	5,00
Ref. 3088 LED Green	5,00
Ref. 3089 LED Blue	5,00



Ref. 3037 Intermediate joint.

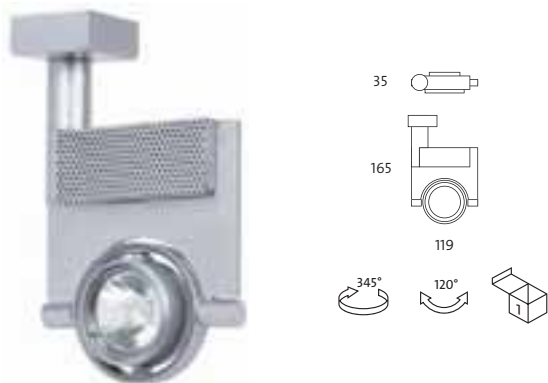
Example to write a reference with options

Friled 1125 5400°K
 Ref. **3033 02 85 1211**
 Black inside Suspension kit

Presscom

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of PRESSCOM DC lightings use halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** Titanium



Presscom DC 1 lamp

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
032 90 01 50	Titanium	12v50w	GU5.3	1x50w	137,64	0,25



* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
032L 90 01 07	Titanium	LED	GU-10	1x7w	186,67	0,25	0,20



* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
032L 90 01 05	Titanium	LED	GU5.3	1x5w	179,54	0,25	0,20



* Supplied in a standard manner with 3100° K lamp

Includes driver and LED RGB lamp 3W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
032L 90 01 03	Titanium	LED	GU5.3	1x3w	190,06	0,25	0,20



Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60



* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Presscom DC 2 lamps

Includes electronic transformers and DICHROIC HALOGEN lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
032 90 02 50	Titanium	12v50w	GU5.3	2x50w	198,30	0,25



* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
032L 90 02 07	Titanium	LED	GU-10	2x7w	292,82	0,25	0,40



* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
032L 90 02 05	Titanium	LED	GU5.3	2x5w	283,62	0,25	0,40

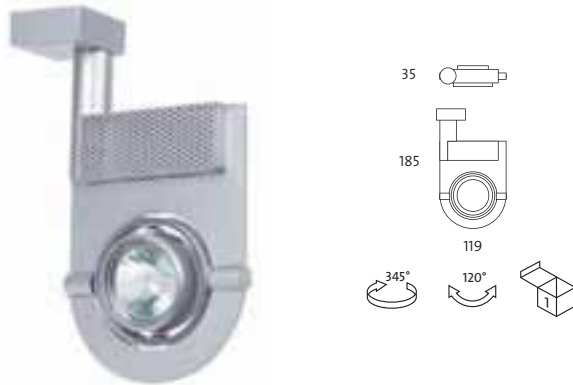


* Supplied in a standard manner with 3100° K lamp

Includes driver and LED RGB lamp 3W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
032L 90 02 03	Titanium	LED	GU5.3	2x3w	303,15	0,25	0,40





Lipsi DC 1 lamp

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038 90 01 50	Titanium	12v50w	GU5.3	1x50w	137,64	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038L 90 01 07	Titanium	LED	GU-10	1x7w	186,67	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038L 90 01 05	Titanium	LED	GU5.3	1x5w	179,54	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED RGB lamp 3W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038L 90 01 03	Titanium	LED	GU5.3	1x3w	190,06	0,25 0,20

Lipsi

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of LIPSI lightings use halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** Titanium



Lipsi DC 2 lamps

Includes electronic transformers and DICHROIC HALOGEN lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038 90 02 50	Titanium	12v50w	GU5.3	2x50w	204,08	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038L 90 02 07	Titanium	LED	GU-10	2x7w	298,61	0,25 0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038L 90 02 05	Titanium	LED	GU5.3	2x5w	293,40	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED RGB lamp 3W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
038L 90 02 03	Titanium	LED	GU5.3	2x3w	308,93	0,25 0,40

Rough increase of accessories

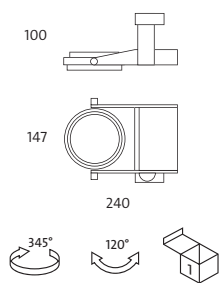
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3080	Controller for MR16 LED RGB lamp				6,60	

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Cartem QR/CDM-R/LED


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
Optics: Optics incorporated in the lamps.
Supply: Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
Lamps: The series of CARTEM lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and/or commercial areas.
Installation: Directly screw on ceiling (screw not included).
Colours: White, black, matt chrome and titanium



Cartem 1 lamp


Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 030 01 01 35	White	QR-111	G53	1x35w	194,58	0,25
030 01 02 35	Black	QR-111	G53	1x35w	200,41	0,25
030 01 52 35	Matt chrome	QR-111	G53	1x35w	200,41	0,25
030 01 90 35	Titanium	QR-111	G53	1x35w	200,41	0,25
030 01 01 50	White	QR-111	G53	1x50w	194,58	0,25
030 01 02 50	Black	QR-111	G53	1x50w	200,41	0,25
030 01 52 50	Matt chrome	QR-111	G53	1x50w	200,41	0,25
030 01 90 50	Titanium	QR-111	G53	1x50w	200,41	0,25
030 01 01 60	White	QR-111	G53	1x60w	206,29	0,25
030 01 02 60	Black	QR-111	G53	1x60w	212,47	0,25
030 01 52 60	Matt chrome	QR-111	G53	1x60w	212,47	0,25
030 01 90 60	Titanium	QR-111	G53	1x60w	212,47	0,25

* Supplied in a standard manner with maximum lamp bevel.


OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 030B 01 01 12	White	LED-111	-	1x12w	292,25	0,25 0,20
030B 01 02 12	Black	LED-111	-	1x12w	301,01	0,25 0,20
030B 01 52 12	Matt chrome	LED-111	-	1x12w	301,01	0,25 0,20
030B 01 90 12	Titanium	LED-111	-	1x12w	301,01	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
 773 01 35	White	CDM-R 111	GX8.5	1x35w	343,64	0,25 0,30
773 02 35	Black	CDM-R 111	GX8.5	1x35w	353,95	0,25 0,30
773 52 35	Matt chrome	CDM-R 111	GX8.5	1x35w	353,95	0,25 0,30
773 90 35	Titanium	CDM-R 111	GX8.5	1x35w	353,95	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•

Cartem 2 lamps

Includes electronic transformers and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
030 02 01 35	White	QR-111	G53	2x35w	268,69	0,25
030 02 02 35	Black	QR-111	G53	2x35w	276,75	0,25
030 02 52 35	Matt chrome	QR-111	G53	2x35w	276,75	0,25
030 02 90 35	Titanium	QR-111	G53	2x35w	276,75	0,25
030 02 01 50	White	QR-111	G53	2x50w	268,69	0,25
030 02 02 50	Black	QR-111	G53	2x50w	276,75	0,25
030 02 52 50	Matt chrome	QR-111	G53	2x50w	276,75	0,25
030 02 90 50	Titanium	QR-111	G53	2x50w	276,75	0,25
030 02 01 60	White	QR-111	G53	2x60w	292,33	0,25
030 02 02 60	Black	QR-111	G53	2x60w	301,09	0,25
030 02 52 60	Matt chrome	QR-111	G53	2x60w	301,09	0,25
030 02 90 60	Titanium	QR-111	G53	2x60w	301,09	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
030B 02 01 12	White	LED-111	-	2x12w	464,02	0,25 0,40
030B 02 02 12	Black	LED-111	-	2x12w	474,88	0,25 0,40
030B 02 52 12	Matt chrome	LED-111	-	2x12w	474,88	0,25 0,40
030B 02 90 12	Titanium	LED-111	-	2x12w	474,88	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Includes electronic transformers and CDM-R 111 lamps

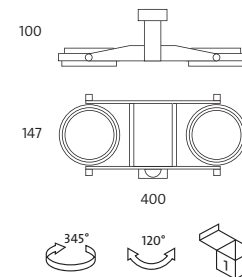
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
775 01 35	White	CDM-R 111	GX8.5	2x35w	578,88	0,25 0,60
775 02 35	Black	CDM-R 111	GX8.5	2x35w	581,91	0,25 0,60
775 52 35	Matt chrome	CDM-R 111	GX8.5	2x35w	581,91	0,25 0,60
775 90 35	Titanium	CDM-R 111	GX8.5	2x35w	581,91	0,25 0,60

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•



Rough price increase of driver

Ref. DR	Driver dimmable 1-10V	€
		116,80

Example to write a reference with options

Cartem 2 Lamp 60w

Ref. 030 02 90 60 24

Titanium 24° bevel

Polaris QR-111/ CDM-R 111/ LED-111


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps QR-111, metal halide CDMR-111 lamps and LED-111 lamps, suitable for public and/or commercial areas.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White, black, matt chrome and titanium.



Polaris QR-111

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 713Q 01 35	White	QR-111	G53	35w	115,27	0,25
713Q 02 35	Black	QR-111	G53	35w	118,72	0,25
713Q 52 35	Matt chrome	QR-111	G53	35w	118,72	0,25
713Q 90 35	Titanium	QR-111	G53	35w	118,72	0,25
713Q 01 50	White	QR-111	G53	50w	115,72	0,25
713Q 02 50	Black	QR-111	G53	50w	118,72	0,25
713Q 52 50	Matt chrome	QR-111	G53	50w	118,72	0,25
713Q 90 50	Titanium	QR-111	G53	50w	118,72	0,25
713Q 01 60	White	QR-111	G53	60w	126,17	0,25
713Q 02 60	Black	QR-111	G53	60w	129,95	0,25
713Q 52 60	Matt chrome	QR-111	G53	60w	129,95	0,25
713Q 90 60	Titanium	QR-111	G53	60w	129,95	0,25
713Q 01 75	White	QR-111	G53	75w	121,99	0,25
713Q 02 75	Black	QR-111	G53	75w	125,64	0,25
713Q 52 75	Matt chrome	QR-111	G53	75w	125,64	0,25
713Q 90 75	Titanium	QR-111	G53	75w	125,64	0,25
713Q 01 10	White	QR-111	G53	100w	121,99	0,25
713Q 02 10	Black	QR-111	G53	100w	125,64	0,25
713Q 52 10	Matt chrome	QR-111	G53	100w	125,64	0,25
713Q 90 10	Titanium	QR-111	G53	100w	125,64	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

Polaris LED-111

Includes driver and LED-111 lamp

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
	713B 01 12	White	LED-111	-	12w	215,22	0,25	0,20
	713B 02 12	Black	LED-111	-	12w	221,67	0,25	0,20
	713B 52 12	Matt chrome	LED-111	-	12w	221,67	0,25	0,20
	713B 90 12	Titanium	LED-111	-	12w	221,67	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Polaris CDM-R 111

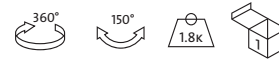
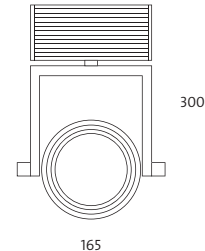
Includes electronic transformers and CDM-R 111 lamps

	Ref.	Colour	Lamp	Portal.	W	€	RAEE lum. lamp.	
	713 01 35	White	CDM-R 111	GX8.5	35w	316,49	0,25	0,30
	713 02 35	Black	CDM-R 111	GX8.5	35w	325,98	0,25	0,30
	713 52 35	Matt chrome	CDM-R 111	GX8.5	35w	325,98	0,25	0,30
	713 90 35	Titanium	CDM-R 111	GX8.5	35w	325,98	0,25	0,30
	713 01 70	White	CDM-R 111	GX8.5	70w	316,83	0,25	0,30
	713 02 70	Black	CDM-R 111	GX8.5	70w	326,32	0,25	0,30
	713 52 70	Matt chrome	CDM-R 111	GX8.5	70w	326,32	0,25	0,30
	713 90 70	Titanium	CDM-R 111	GX8.5	70w	326,32	0,25	0,30

* Supplied in a standard manner with maximum lamp bevel.

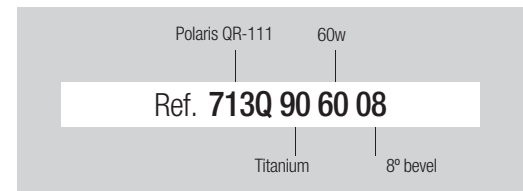
* Supplied in a standard manner with 3000° K lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Rough price increase of driver	€
Ref. DR Driver dimmable 1-10V	116,80

Example to write a reference with options



Sonek

Protection degree IP20

- Material:** Aluminio inyectado.
- Supply:** Directa 220v. para portalámparas E-27
- Lamps:** Admite todo tipo de lámparas para E-27, desde incandescencia hasta bajo consumo.
- Installation:** Directamente a techo mediante tornillería (non suministrada).
- Colours:** Aluminio.

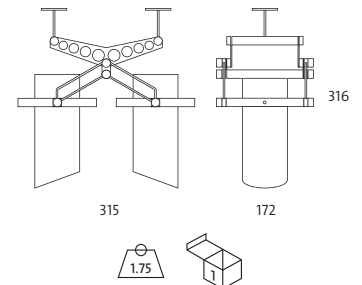
Without lamps

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
	071 00	Aluminium	-	E-27	Max.40w	258,80	0,25	

Includes R-63 LED lamp 320 lumens

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
	071 00 06	Aluminium	LED	E-27	6w	373,13	0,25	0,20

* Supplied in a standard manner with 4000° K lamp








Lartub

Protection degree IP20

- Material:** Aluminium thermo painted.
Optics: Optics incorporated in the lamps.
Supply: Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
Lamps: The series of LARTUB lightings use dichroic halogen lamps, QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and/or commercial areas.
Installation: Directly screw on ceiling or on wall (screw not included) or hang up with a suspension.
Colours: White, black, matt chrome, red and titanium.


Lartub surface - ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 1067 01 50	White	12v50w	GU5.3	50w	71,48	0,25
1067 02 50	Black	12v50w	GU5.3	50w	73,62	0,25
1067 52 50	Matt chrome	12v50w	GU5.3	50w	73,62	0,25
1067 70 50	Red	12v50w	GU5.3	50w	73,62	0,25
1067 90 50	Titanium	12v50w	GU5.3	50w	73,62	0,25

* Supplied in a standard manner with 36° opening lamp


Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
 1066 01 07	White	LED	GU5.3	7w	164,20	0,25	0,20
1066 02 07	Black	LED	GU5.3	7w	169,80	0,25	0,20
1066 52 07	Matt chrome	LED	GU5.3	7w	169,80	0,25	0,20
1066 70 07	Red	LED	GU5.3	7w	169,80	0,25	0,20
1066 90 07	Titanium	LED	GU5.3	7w	169,80	0,25	0,20

* Supplied in a standard manner with 3000° K lamp




Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
 1066 01 09	White	LED	-	7,2w	163,20	0,25	0,20
1066 02 09	Black	LED	-	7,2w	168,80	0,25	0,20
1066 52 09	Matt chrome	LED	-	7,2w	168,80	0,25	0,20
1066 70 09	Red	LED	-	7,2w	168,80	0,25	0,20
1066 90 09	Titanium	LED	-	7,2w	168,80	0,25	0,20

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
 1066 01 03	White	LED	GU5.3	3w	122,87	0,25	0,20
1066 02 03	Black	LED	GU5.3	3w	126,55	0,25	0,20
1066 52 03	Matt chrome	LED	GU5.3	3w	126,55	0,25	0,20
1066 70 03	Red	LED	GU5.3	3w	126,55	0,25	0,20
1066 90 03	Titanium	LED	GU5.3	3w	126,55	0,25	0,20

LED OPTIONS lamp 7,2W

Rough price increase of driver

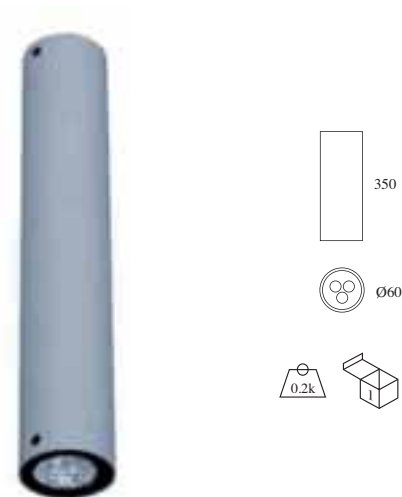
Ref.	Driver dimmable 1-10V	€
DR		34,00

Rough increase of accesories

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60



* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Lartub suspension - ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1062 01 50	White	12v50w	GU5.3	50w	79,10	0,25
1062 02 50	Black	12v50w	GU5.3	50w	81,47	0,25
1062 52 50	Matt chrome	12v50w	GU5.3	50w	81,47	0,25
1062 70 50	Red	12v50w	GU5.3	50w	81,47	0,25
1062 90 50	Titanium	12v50w	GU5.3	50w	81,47	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1061 01 07	White	LED	GU5.3	7w	189,20	0,25
1061 02 07	Black	LED	GU5.3	7w	196,20	0,25
1061 52 07	Matt chrome	LED	GU5.3	7w	196,20	0,25
1061 70 07	Red	LED	GU5.3	7w	196,20	0,25
1061 90 07	Titanium	LED	GU5.3	7w	196,20	0,25

* Supplied in a standard manner with 3000° K lamp

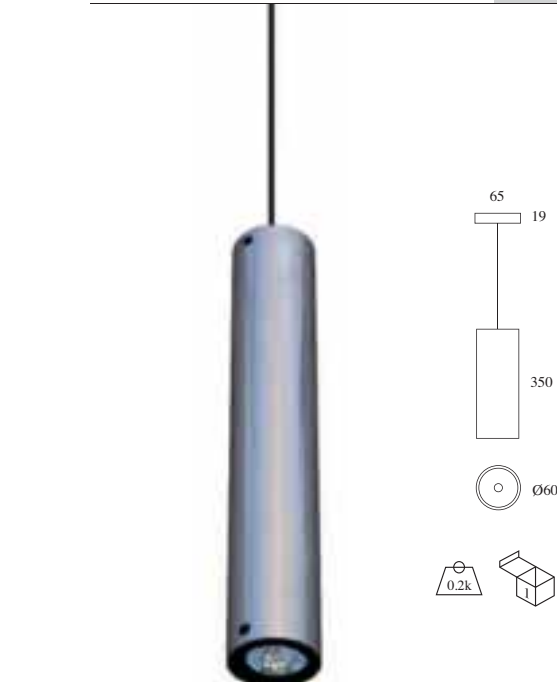
Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1061 01 09	White	LED	-	7,2w	188,20	0,25
1061 02 09	Black	LED	-	7,2w	197,20	0,25
1061 52 09	Matt chrome	LED	-	7,2w	197,20	0,25
1061 70 09	Red	LED	-	7,2w	197,20	0,25
1061 90 09	Titanium	LED	-	7,2w	197,20	0,25

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1061 01 03	White	LED	GU5.3	3w	130,50	0,25
1061 02 03	Black	LED	GU5.3	3w	134,41	0,25
1061 52 03	Matt chrome	LED	GU5.3	3w	134,41	0,25
1061 70 03	Red	LED	GU5.3	3w	134,41	0,25
1061 90 03	Titanium	LED	GU5.3	3w	134,41	0,25



Lartub wall - ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1072 01 50	White	12v50w	GU5.3	50w	108,76	0,25
1072 02 50	Black	12v50w	GU5.3	50w	112,02	0,25
1072 52 50	Matt chrome	12v50w	GU5.3	50w	112,02	0,25
1072 70 50	Red	12v50w	GU5.3	50w	112,02	0,25
1072 90 50	Titanium	12v50w	GU5.3	50w	112,02	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1071 01 07	White	LED	GU5.3	7w	205,20	0,25
1071 02 07	Black	LED	GU5.3	7w	212,76	0,25
1071 52 07	Matt chrome	LED	GU5.3	7w	212,76	0,25
1071 70 07	Red	LED	GU5.3	7w	212,76	0,25
1071 90 07	Titanium	LED	GU5.3	7w	212,76	0,25

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1071 01 09	White	LED	-	7,2w	204,20	0,25
1071 02 09	Black	LED	-	7,2w	211,76	0,25
1071 52 09	Matt chrome	LED	-	7,2w	211,76	0,25
1071 70 09	Red	LED	-	7,2w	211,76	0,25
1071 90 09	Titanium	LED	-	7,2w	211,76	0,25

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1071 01 03	White	LED	GU5.3	3w	160,16	0,25
1071 02 03	Black	LED	GU5.3	3w	164,96	0,25
1071 52 03	Matt chrome	LED	GU5.3	3w	164,96	0,25
1071 70 03	Red	LED	GU5.3	3w	164,96	0,25
1071 90 03	Titanium	LED	GU5.3	3w	164,96	0,25



Lartub

Lartub wall - CDM-R111

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
1074 01 35	White	CDM-R 111	GX8.5	35w	297,46	0,25 0,30
1074 02 35	Black	CDM-R 111	GX8.5	35w	306,38	0,25 0,30
1074 52 35	Matt chrome	CDM-R 111	GX8.5	35w	306,38	0,25 0,30
1074 70 35	Red	CDM-R 111	GX8.5	35w	306,38	0,25 0,30
1074 90 35	Titanium	CDM-R 111	GX8.5	35w	306,38	0,25 0,30
1074 01 70	White	CDM-R 111	GX8.5	70w	298,65	0,25 0,30
1074 02 70	Black	CDM-R 111	GX8.5	70w	307,60	0,25 0,30
1074 52 70	Matt chrome	CDM-R 111	GX8.5	70w	307,60	0,25 0,30
1074 70 70	Red	CDM-R 111	GX8.5	70w	307,60	0,25 0,30
1074 90 70	Titanium	CDM-R 111	GX8.5	70w	307,60	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp

Lartub wall - LED-111

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1073L 01 12	White	LED-111	-	12w	292,92	0,25 0,20
1073L 02 12	Black	LED-111	-	12w	301,71	0,25 0,20
1073L 52 12	Matt chrome	LED-111	-	12w	301,71	0,25 0,20
1073L 70 12	Red	LED-111	-	12w	301,71	0,25 0,20
1073L 90 12	Titanium	LED-111	-	12w	301,71	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Lartub wall - QR-111

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1073 01 35	White	QR-111	G53	35w	191,37	0,25
1073 02 35	Black	QR-111	G53	35w	197,11	0,25
1073 52 35	Matt chrome	QR-111	G53	35w	197,11	0,25
1073 70 35	Red	QR-111	G53	35w	197,11	0,25
1073 90 35	Titanium	QR-111	G53	35w	197,11	0,25
1073 01 50	White	QR-111	G53	50w	191,47	0,25
1073 02 50	Black	QR-111	G53	50w	197,21	0,25
1073 52 50	Matt chrome	QR-111	G53	50w	197,21	0,25
1073 70 50	Red	QR-111	G53	50w	197,21	0,25
1073 90 50	Titanium	QR-111	G53	50w	197,21	0,25
1073 01 60	White	QR-111	G53	60w	197,45	0,25
1073 02 60	Black	QR-111	G53	60w	203,37	0,25
1073 52 60	Matt chrome	QR-111	G53	60w	203,37	0,25
1073 70 60	Red	QR-111	G53	60w	203,37	0,25
1073 90 60	Titanium	QR-111	G53	60w	203,37	0,25
1073 01 75	White	QR-111	G53	75w	193,43	0,25
1073 02 75	Black	QR-111	G53	75w	199,23	0,25
1073 52 75	Matt chrome	QR-111	G53	75w	199,23	0,25
1073 70 75	Red	QR-111	G53	75w	199,23	0,25
1073 90 75	Titanium	QR-111	G53	75w	199,23	0,25
1073 01 10	White	QR-111	G53	100w	193,47	0,25
1073 02 10	Black	QR-111	G53	100w	199,23	0,25
1073 52 10	Matt chrome	QR-111	G53	100w	199,23	0,25
1073 70 10	Red	QR-111	G53	100w	199,23	0,25
1073 90 10	Titanium	QR-111	G53	100w	199,23	0,25

* Supplied in a standard manner with maximum lamp bevel.

Lartub surface - CDM-R111

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
1069 01 35	White	CDM-R 111	GX8.5	35w	261,72	0,25 0,30
1069 02 35	Black	CDM-R 111	GX8.5	35w	269,57	0,25 0,30
1069 52 35	Matt chrome	CDM-R 111	GX8.5	35w	269,57	0,25 0,30
1069 70 35	Red	CDM-R 111	GX8.5	35w	269,57	0,25 0,30
1069 90 35	Titanium	CDM-R 111	GX8.5	35w	269,57	0,25 0,30
1069 01 70	White	CDM-R 111	GX8.5	70w	262,54	0,25 0,30
1069 02 70	Black	CDM-R 111	GX8.5	70w	270,41	0,25 0,30
1069 52 70	Matt chrome	CDM-R 111	GX8.5	70w	270,41	0,25 0,30
1069 70 70	Red	CDM-R 111	GX8.5	70w	270,41	0,25 0,30
1069 90 70	Titanium	CDM-R 111	GX8.5	70w	270,41	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp

Lartub surface - LED-111

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1068L 01 12	White	LED-111	-	12w	234,71	0,25 0,20
1068L 02 12	Black	LED-111	-	12w	241,75	0,25 0,20
1068L 52 12	Matt chrome	LED-111	-	12w	241,75	0,25 0,20
1068L 70 12	Red	LED-111	-	12w	241,75	0,25 0,20
1068L 90 12	Titanium	LED-111	-	12w	241,75	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Lartub surface - QR-111

Includes electronic transformers and QR-111 lamp

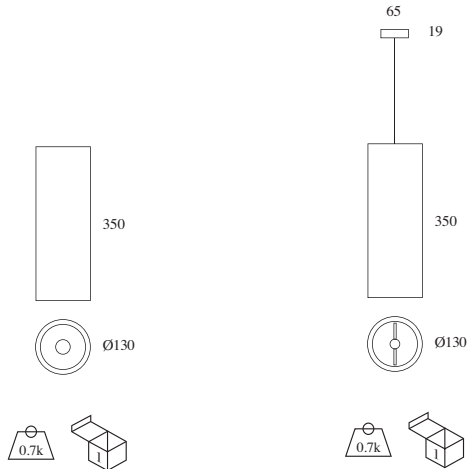
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1068 01 35	White	QR-111	G53	35w	133,15	0,25
1068 02 35	Black	QR-111	G53	35w	137,14	0,25
1068 52 35	Matt chrome	QR-111	G53	35w	137,14	0,25
1068 70 35	Red	QR-111	G53	35w	137,14	0,25
1068 90 35	Titanium	QR-111	G53	35w	137,14	0,25
1068 01 50	White	QR-111	G53	50w	133,17	0,25
1068 02 50	Black	QR-111	G53	50w	137,16	0,25
1068 52 50	Matt chrome	QR-111	G53	50w	137,16	0,25
1068 70 50	Red	QR-111	G53	50w	137,16	0,25
1068 90 50	Titanium	QR-111	G53	50w	137,16	0,25
1068 01 60	White	QR-111	G53	60w	139,25	0,25
1068 02 60	Black	QR-111	G53	60w	143,42	0,25
1068 52 60	Matt chrome	QR-111	G53	60w	143,42	0,25
1068 70 60	Red	QR-111	G53	60w	143,42	0,25
1068 90 60	Titanium	QR-111	G53	60w	143,42	0,25
1068 01 75	White	QR-111	G53	75w	135,25	0,25
1068 02 75	Black	QR-111	G53	75w	139,30	0,25
1068 52 75	Matt chrome	QR-111	G53	75w	139,30	0,25
1068 70 75	Red	QR-111	G53	75w	139,30	0,25
1068 90 75	Titanium	QR-111	G53	75w	139,30	0,25
1068 01 10	White	QR-111	G53	100w	135,28	0,25
1068 02 10	Black	QR-111	G53	100w	139,33	0,25
1068 52 10	Matt chrome	QR-111	G53	100w	139,33	0,25
1068 70 10	Red	QR-111	G53	100w	139,33	0,25
1068 90 10	Titanium	QR-111	G53	100w	139,33	0,25

* Supplied in a standard manner with maximum lamp bevel.



LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Lartub



OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Lartub suspension - CDM-R111

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
1064 01 35	White	CDM-R 111	GX8.5	35w	276,50	0,25	0,30
1064 02 35	Black	CDM-R 111	GX8.5	35w	284,79	0,25	0,30
1064 52 35	Matt chrome	CDM-R 111	GX8.5	35w	284,79	0,25	0,30
1064 70 35	Red	CDM-R 111	GX8.5	35w	284,79	0,25	0,30
1064 90 35	Titanium	CDM-R 111	GX8.5	35w	284,79	0,25	0,30
1064 01 70	White	CDM-R 111	GX8.5	70w	276,65	0,25	0,30
1064 02 70	Black	CDM-R 111	GX8.5	70w	284,94	0,25	0,30
1064 52 70	Matt chrome	CDM-R 111	GX8.5	70w	284,94	0,25	0,30
1064 70 70	Red	CDM-R 111	GX8.5	70w	284,94	0,25	0,30
1064 90 70	Titanium	CDM-R 111	GX8.5	70w	284,94	0,25	0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

Lartub suspension - LED-111

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
1063L 01 12	White	LED-111	-	12w	268,72	0,25	0,20
1063L 02 12	Black	LED-111	-	12w	276,78	0,25	0,20
1063L 52 12	Matt chrome	LED-111	-	12w	276,78	0,25	0,20
1063L 70 12	Red	LED-111	-	12w	276,78	0,25	0,20
1063L 90 12	Titanium	LED-111	-	12w	276,78	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

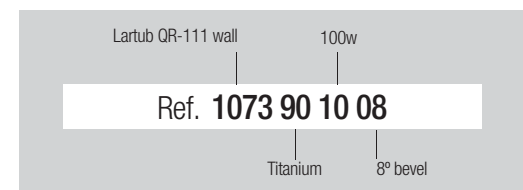
Lartub suspension - QR-111

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
1063 01 35	White	QR-111	G53	35w	154,29	0,25	
1063 02 35	Black	QR-111	G53	35w	158,91	0,25	
1063 52 35	Matt chrome	QR-111	G53	35w	158,91	0,25	
1063 70 35	Red	QR-111	G53	35w	158,91	0,25	
1063 90 35	Titanium	QR-111	G53	35w	158,91	0,25	
1063 01 50	White	QR-111	G53	50w	154,34	0,25	
1063 02 50	Black	QR-111	G53	50w	158,97	0,25	
1063 52 50	Matt chrome	QR-111	G53	50w	158,97	0,25	
1063 70 50	Red	QR-111	G53	50w	158,97	0,25	
1063 90 50	Titanium	QR-111	G53	50w	158,97	0,25	
1063 01 60	White	QR-111	G53	60w	159,75	0,25	
1063 02 60	Black	QR-111	G53	60w	164,54	0,25	
1063 52 60	Matt chrome	QR-111	G53	60w	164,54	0,25	
1063 70 60	Red	QR-111	G53	60w	164,54	0,25	
1063 90 60	Titanium	QR-111	G53	60w	164,54	0,25	
1063 01 75	White	QR-111	G53	75w	155,73	0,25	
1063 02 75	Black	QR-111	G53	75w	160,40	0,25	
1063 52 75	Matt chrome	QR-111	G53	75w	160,40	0,25	
1063 70 75	Red	QR-111	G53	75w	160,40	0,25	
1063 90 75	Titanium	QR-111	G53	75w	160,40	0,25	
1063 01 100	White	QR-111	G53	100w	155,75	0,25	
1063 02 100	Black	QR-111	G53	100w	160,42	0,25	
1063 52 100	Matt chrome	QR-111	G53	100w	160,42	0,25	
1063 70 100	Red	QR-111	G53	100w	160,42	0,25	
1063 90 100	Titanium	QR-111	G53	100w	160,42	0,25	

* Supplied in a standard manner with maximum lamp bevel.

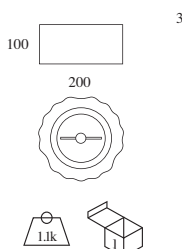
Example to write a reference with options



Smurfit

Protection degree IP20

- Material:** Aluminium thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of SMURFIT lightings use dichroic halogen lamps, QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and/or commercial areas.
- Installation:** Directly screw on ceiling or on wall (screw not included) or hang up with a suspension.
- Colours:** White, black, matt chrome and titanium.



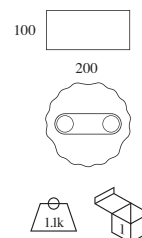
Smurfit surface - QR-111

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1103 01 35	White	QR-111	G53	35w	192,78	0,25
1103 02 35	Black	QR-111	G53	35w	198,56	0,25
1103 52 35	Matt chrome	QR-111	G53	35w	198,56	0,25
1103 90 35	Titanium	QR-111	G53	35w	198,56	0,25
1103 01 50	White	QR-111	G53	50w	192,88	0,25
1103 02 50	Black	QR-111	G53	50w	198,66	0,25
1103 52 50	Matt chrome	QR-111	G53	50w	198,66	0,25
1103 90 50	Titanium	QR-111	G53	50w	198,66	0,25
1103 01 60	White	QR-111	G53	60w	199,29	0,25
1103 02 60	Black	QR-111	G53	60w	205,27	0,25
1103 52 60	Matt chrome	QR-111	G53	60w	205,27	0,25
1103 90 60	Titanium	QR-111	G53	60w	205,27	0,25
1103 01 75	White	QR-111	G53	75w	195,19	0,25
1103 02 75	Black	QR-111	G53	75w	201,05	0,25
1103 52 75	Matt chrome	QR-111	G53	75w	201,05	0,25
1103 90 75	Titanium	QR-111	G53	75w	201,05	0,25
1103 01 10	White	QR-111	G53	100w	195,21	0,25
1103 02 10	Black	QR-111	G53	100w	203,04	0,25
1103 52 10	Matt chrome	QR-111	G53	100w	203,04	0,25
1103 90 10	Titanium	QR-111	G53	100w	203,04	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•



Smurfit surface - 2 lamps ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1093 01	White	12v50w	GU5.3	2x50w	166,41	0,25
1093 02	Black	12v50w	GU5.3	2x50w	173,50	0,25
1093 52	Matt chrome	12v50w	GU5.3	2x50w	173,50	0,25
1093 90	Titanium	12v50w	GU5.3	2x50w	173,50	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1097 01 07	White	LED	GU-10	2x7w	267,55	0,25 0,40
1097 02 07	Black	LED	GU-10	2x7w	270,70	0,25 0,40
1097 52 07	Matt chrome	LED	GU-10	2x7w	270,70	0,25 0,40
1097 90 07	Titanium	LED	GU-10	2x7w	270,70	0,25 0,40

* Supplied in a standard manner with 3000° K dimmable lamp

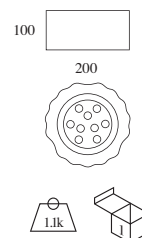
Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1097 01	White	LED	-	2x7,2w	266,55	0,25 0,40
1097 02	Black	LED	-	2x7,2w	269,70	0,25 0,40
1097 52	Matt chrome	LED	-	2x7,2w	269,70	0,25 0,40
1097 90	Titanium	LED	-	2x7,2w	269,70	0,25 0,40

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1097 01 03	White	LED	GU5.3	2x3w	271,25	0,25 0,40
1097 02 03	Black	LED	GU5.3	2x3w	274,41	0,25 0,40
1097 52 03	Matt chrome	LED	GU5.3	2x3w	274,41	0,25 0,40
1097 90 03	Titanium	LED	GU5.3	2x3w	274,41	0,25 0,40



Smurfit surface - LED-111

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1111 01 12	White	LED	-	1x12w	292,68	0,25 0,20
1111 02 12	Black	LED	-	1x12w	301,46	0,25 0,20
1111 52 12	Matt chrome	LED	-	1x12w	301,46	0,25 0,20
1111 90 12	Titanium	LED	-	1x12w	301,46	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Smurfit



Smurfit surface - 3 lamps ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1095 01	White	12v50w	GU5.3	3x50w	170,93	0,25
1095 02	Black	12v50w	GU5.3	3x50w	176,36	0,25
1095 52	Matt chrome	12v50w	GU5.3	3x50w	176,36	0,25
1095 90	Titanium	12v50w	GU5.3	3x50w	176,36	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1099 01 07	White	LED	GU-10	3x7w	318,19	0,25 0,60
1099 02 07	Black	LED	GU-10	3x7w	328,03	0,25 0,60
1099 52 07	Matt chrome	LED	GU-10	3x7w	328,03	0,25 0,60
1099 90 07	Titanium	LED	GU-10	3x7w	328,03	0,25 0,60

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1099 01	White	LED	-	3x7,2w	317,19	0,25 0,60
1099 02	Black	LED	-	3x7,2w	327,03	0,25 0,60
1099 52	Matt chrome	LED	-	3x7,2w	327,03	0,25 0,60
1099 90	Titanium	LED	-	3x7,2w	327,03	0,25 0,60

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1099 01 03	White	LED	GU5.3	3x3w	328,20	0,25 0,60
1099 02 03	Black	LED	GU5.3	3x3w	338,04	0,25 0,60
1099 52 03	Matt chrome	LED	GU5.3	3x3w	338,04	0,25 0,60
1099 90 03	Titanium	LED	GU5.3	3x3w	338,04	0,25 0,60



Smurfit surface - CDM-R 111

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1109 01 35	White	CDM-R	GX8.5	35w	323,68	0,25 0,30
1109 02 35	Black	CDM-R	GX8.5	35w	333,39	0,25 0,30
1109 52 35	Matt chrome	CDM-R	GX8.5	35w	333,39	0,25 0,30
1109 90 35	Titanium	CDM-R	GX8.5	35w	333,39	0,25 0,30
1109 01 70	White	CDM-R	GX8.5	70w	325,05	0,25 0,30
1109 02 70	Black	CDM-R	GX8.5	70w	334,80	0,25 0,30
1109 52 70	Matt chrome	CDM-R	GX8.5	70w	334,80	0,25 0,30
1109 90 70	Titanium	CDM-R	GX8.5	70w	334,80	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



Smurfit surface - 3R lamps ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1101 01	White	12v50w	GU5.3	3x50w	193,51	0,25
1101 02	Black	12v50w	GU5.3	3x50w	199,31	0,25
1101 52	Matt chrome	12v50w	GU5.3	3x50w	199,31	0,25
1101 90	Titanium	12v50w	GU5.3	3x50w	199,31	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1107 01 07	White	LED	GU-10	3x7w	340,77	0,25 0,60
1107 02 07	Black	LED	GU-10	3x7w	351,29	0,25 0,60
1107 52 07	Matt chrome	LED	GU-10	3x7w	351,29	0,25 0,60
1107 90 07	Titanium	LED	GU-10	3x7w	351,29	0,25 0,60

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1107 01	White	LED	-	3x7,2w	339,77	0,25 0,60
1107 02	Black	LED	-	3x7,2w	350,29	0,25 0,60
1107 52	Matt chrome	LED	-	3x7,2w	350,29	0,25 0,60
1107 90	Titanium	LED	-	3x7,2w	350,29	0,25 0,60

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

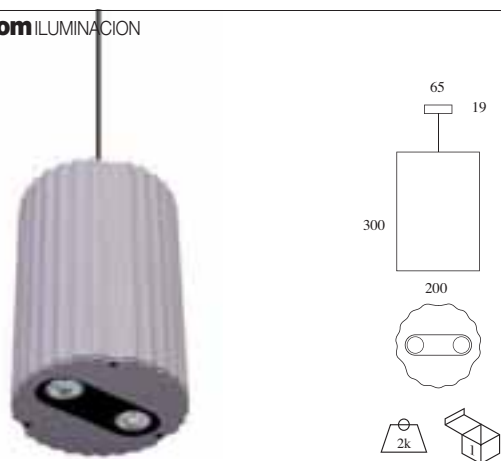
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1107 01 03	White	LED	GU5.3	3x3w	356,15	0,25 0,60
1107 02 03	Black	LED	GU5.3	3x3w	361,04	0,25 0,60
1107 52 03	Matt chrome	LED	GU5.3	3x3w	361,04	0,25 0,60
1107 90 03	Titanium	LED	GU5.3	3x3w	361,04	0,25 0,60

Rough increase of accesories		€
Ref. 3080	Controller for MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Smurfit suspension - 2 lamps ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1094 01	White	12v50w	GU5.3	2x50w	187,21	0,25
1094 02	Black	12v50w	GU5.3	2x50w	192,82	0,25
1094 52	Matt chrome	12v50w	GU5.3	2x50w	192,82	0,25
1094 90	Titanium	12v50w	GU5.3	2x50w	192,82	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1098 01 07	White	LED	GU-10	2x7w	289,37	0,25 0,40
1098 02 07	Black	LED	GU-10	2x7w	297,12	0,25 0,40
1098 52 07	Matt chrome	LED	GU-10	2x7w	297,12	0,25 0,40
1098 90 07	Titanium	LED	GU-10	2x7w	297,12	0,25 0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1098 01	White	LED	-	2x7,2w	288,37	0,25 0,40
1098 02	Black	LED	-	2x7,2w	296,12	0,25 0,40
1098 52	Matt chrome	LED	-	2x7,2w	296,12	0,25 0,40
1098 90	Titanium	LED	-	2x7,2w	296,12	0,25 0,40

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1098 01 03	White	LED	GU5.3	2x3w	292,06	0,25 0,40
1098 02 03	Black	LED	GU5.3	2x3w	300,82	0,25 0,40
1098 52 03	Matt chrome	LED	GU5.3	2x3w	300,82	0,25 0,40
1098 90 03	Titanium	LED	GU5.3	2x3w	300,82	0,25 0,40

Smurfit suspension - 3 lamps ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1096 01	White	12v50w	GU5.3	3x50w	177,33	0,25
1096 02	Black	12v50w	GU5.3	3x50w	182,65	0,25
1096 52	Matt chrome	12v50w	GU5.3	3x50w	182,65	0,25
1096 90	Titanium	12v50w	GU5.3	3x50w	182,65	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1100 01 07	White	LED	GU-10	3x7w	327,69	0,25 0,60
1100 02 07	Black	LED	GU-10	3x7w	335,10	0,25 0,60
1100 52 07	Matt chrome	LED	GU-10	3x7w	335,10	0,25 0,60
1100 90 07	Titanium	LED	GU-10	3x7w	335,10	0,25 0,60

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1100 01	White	LED	-	3x7,2w	326,69	0,25 0,60
1100 02	Black	LED	-	3x7,2w	334,10	0,25 0,60
1100 52	Matt chrome	LED	-	3x7,2w	334,10	0,25 0,60
1100 90	Titanium	LED	-	3x7,2w	334,10	0,25 0,60

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1100 01 03	White	LED	GU5.3	3x3w	334,61	0,25 0,60
1100 02 03	Black	LED	GU5.3	3x3w	344,64	0,25 0,60
1100 52 03	Matt chrome	LED	GU5.3	3x3w	344,64	0,25 0,60
1100 90 03	Titanium	LED	GU5.3	3x3w	344,64	0,25 0,60



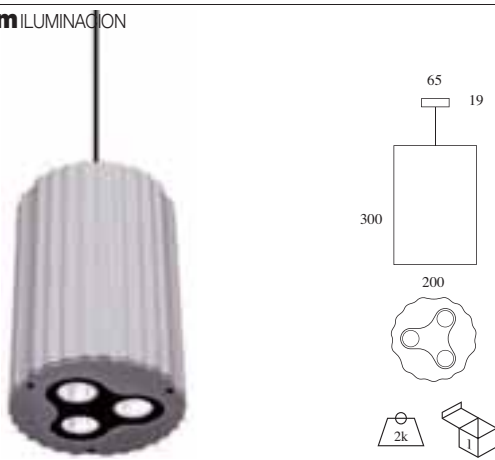
Smurfit suspension - CDM-R 111

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
1110 01 35	White	CDM-R	GX8.5	35w	338,73	0,25 0,30
1110 02 35	Black	CDM-R	GX8.5	35w	348,89	0,25 0,30
1110 52 35	Matt chrome	CDM-R	GX8.5	35w	348,89	0,25 0,30
1110 90 35	Titanium	CDM-R	GX8.5	35w	348,89	0,25 0,30
1110 01 70	White	CDM-R	GX8.5	70w	341,01	0,25 0,30
1110 02 70	Black	CDM-R	GX8.5	70w	351,24	0,25 0,30
1110 52 70	Matt chrome	CDM-R	GX8.5	70w	351,24	0,25 0,30
1110 90 70	Titanium	CDM-R	GX8.5	70w	351,24	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.
* Supplied in a standard manner with 3000° K lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Smurfit suspension - 3R lamps ø 50mm

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1102 01	White	12v50w	GU5.3	3x50w	199,65	0,25
1102 02	Black	12v50w	GU5.3	3x50w	203,65	0,25
1102 52	Matt chrome	12v50w	GU5.3	3x50w	203,65	0,25
1102 90	Titanium	12v50w	GU5.3	3x50w	203,65	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1108 01 07	White	LED	GU-10	3x7w	344,97	0,25 0,60
1108 02 07	Black	LED	GU-10	3x7w	355,62	0,25 0,60
1108 52 07	Matt chrome	LED	GU-10	3x7w	355,62	0,25 0,60
1108 90 07	Titanium	LED	GU-10	3x7w	355,62	0,25 0,60

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1108 01	White	LED	-	3x7,2w	343,97	0,25 0,60
1108 02	Black	LED	-	3x7,2w	354,62	0,25 0,60
1108 52	Matt chrome	LED	-	3x7,2w	354,62	0,25 0,60
1108 90	Titanium	LED	-	3x7,2w	354,62	0,25 0,60

* Supplied in a standard manner with 3300° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1108 01 03	White	LED	GU5.3	3x3w	354,99	0,25 0,60
1108 02 03	Black	LED	GU5.3	3x3w	365,63	0,25 0,60
1108 52 03	Matt chrome	LED	GU5.3	3x3w	365,63	0,25 0,60
1108 90 03	Titanium	LED	GU5.3	3x3w	365,63	0,25 0,60

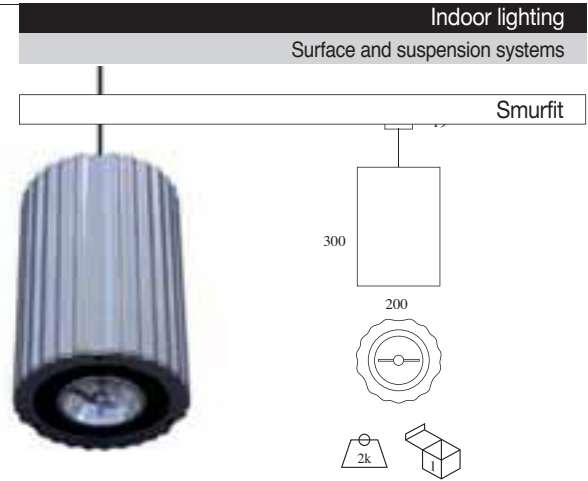
Rough increase of accessories

Ref.	Controller for MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•



Smurfit suspension - QR-111

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1104 01 35	White	QR-111	G53	35w	194,88	0,25
1104 02 35	Black	QR-111	G53	35w	200,72	0,25
1104 52 35	Matt chrome	QR-111	G53	35w	200,72	0,25
1104 90 35	Titanium	QR-111	G53	35w	200,72	0,25
1104 01 50	White	QR-111	G53	50w	194,98	0,25
1104 02 50	Black	QR-111	G53	50w	200,83	0,25
1104 52 50	Matt chrome	QR-111	G53	50w	200,83	0,25
1104 90 50	Titanium	QR-111	G53	50w	200,83	0,25
1104 01 60	White	QR-111	G53	60w	199,29	0,25
1104 02 60	Black	QR-111	G53	60w	205,27	0,25
1104 52 60	Matt chrome	QR-111	G53	60w	205,27	0,25
1104 90 60	Titanium	QR-111	G53	60w	205,27	0,25
1104 01 75	White	QR-111	G53	75w	195,61	0,25
1104 02 75	Black	QR-111	G53	75w	201,48	0,25
1104 52 75	Matt chrome	QR-111	G53	75w	201,48	0,25
1104 90 75	Titanium	QR-111	G53	75w	201,48	0,25
1104 01 10	White	QR-111	G53	100w	195,71	0,25
1104 02 10	Black	QR-111	G53	100w	201,59	0,25
1104 52 10	Matt chrome	QR-111	G53	100w	201,59	0,25
1104 90 10	Titanium	QR-111	G53	100w	201,59	0,25

* Supplied in a standard manner with maximum lamp bevel.



Smurfit suspension - LED-111

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€
1112 01 12	White	LED-111	-	1x12w	288,46
1112 02 12	Black	LED-111	-	1x12w	303,05
1112 52 12	Matt chrome	LED-111	-	1x12w	303,05
1112 90 12	Titanium	LED-111	-	1x12w	303,05

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100°K	4000°K
LED-111 12w	•	•





Sédici / Tábilo

Sédici

Protection degree IP43

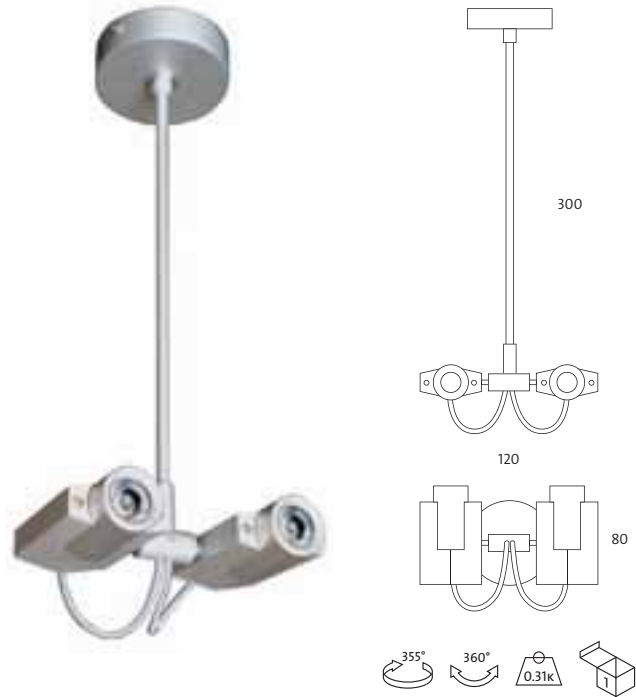
- Material: Anodized injected aluminium.
- Optics: Optics incorporated in the lamps.
- Supply: Electronic equipments included.
- Lamps: LED lamps, composed of 2 LEDs each one of 1w.
- Installation: Directly screw on ceiling or on table (screw not included).
- Colours: Anodized natural aluminium

Includes driver and LED lamps 2w

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
	070 52	Aluminium	LED 2x1w	-	2w	154,64	0,25



* Supplied in a standard manner with 5700° K lamp



Tábilo

Protection degree IP54



- Material: Anodized injected aluminium.
- Optics: Optics incorporated in the lamps.
- Supply: Electronic equipments included.
- Lamps: LED lamps, composed of 2 LEDs each one of 1w.
- Installation: Directly screw on ceiling or on table (screw not included).
- Colours: Anodized natural aluminium.

Includes driver and LED lamps 9,6w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	1001 00	Aluminium	LED 8x1,2w	9,6w	227,42	0,25



* Supplied in a standard manner with 5700° K lamp

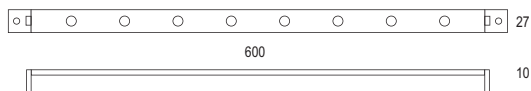
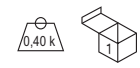
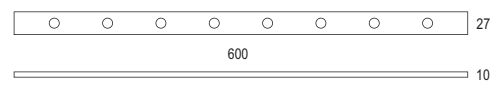
Tábilo adjustable

Includes driver and LED lamps 9,6w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	1002 00	Aluminium	LED 8x1,2w	9,6w	252,55	0,25



* Supplied in a standard manner with 5700° K lamp



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Si3n surface

Protection degree IP20

- Material:** Injected aluminium thermo painted and polycarbonate.
Optics: High performance aluminium reflector, providing a homogeneous light.
Supply: Control gears adapted to the type of lamp and to the power needed are included in all the models.
Lamps: Dulux F-36w low consumption lamp.
Installation: Directly screw on ceiling (screw not included).
Colours: White, black and titanium.

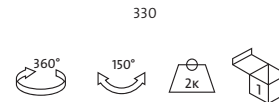
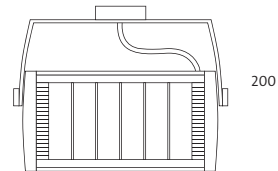


Includes control gear and lamps DULUX-F36

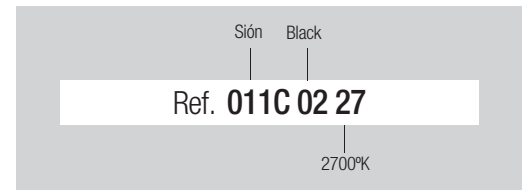
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
011C 01	White	DULUX-F	2G10	1x36w	146,05	0,25	0,20
011C 02	Black	DULUX-F	2G10	1x36w	150,32	0,25	0,20
011C 90	Titanium	DULUX-F	2G10	1x36w	150,32	0,25	0,20

* Supplied in a standard manner with 4000° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
Dulux 36w	•	•	•



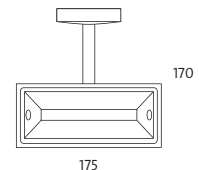
Example to write a reference with options



Spot surface linear

Protection degree IP20

- Material:** Steel sheet thermo painted and electrolytic coat.
Optics: Aluminium reflector.
Supply: Directly connected to the 220v main.
Lamps: Lineal halogen lamps of 118mm up to 200w maximum.
Installation: Directly screw on ceiling (screw not included).
Colours: White, black, gold and chrome. RAL colours by request.



Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
503 01	White	-	R7s	-	45,79	0,25	
503 02	Black	-	R7s	-	62,52	0,25	
503 03	Gold	-	R7s	-	62,52	0,25	
503 05	Chrome	-	R7s	-	62,52	0,25	

R7s



Sión surface / Braco

Braco

Protection degree IP20 / IP43

- Material:** Aluminium formed.
- Optics:** It can be supplied with transparent protection glass (Ref. CT 850) or matt glass (Ref. CM 850) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence to low consumption. PL-T lamps from 18 to 42 watts suitable for domestic or commercial use. Metal halide discharge lamps, suitable for commercial use, exhibition areas and group facilities due to its high lighting output.
- Installation:** Directly on ceiling with 1 meter length cable (screw not included).
- Colours:** White, black, matt chrome, chrome, red, green, blue and titanium.



* Braco E-27 / PL / PLT

* Braco HQL

Braco PL and PLT 1 lamp

Includes electronic ballast and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
850 01 18	White	PL	G-24q-2	1x18w	99,72	0,25	0,20
850 02 18	Black	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 05 18	Chrome	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 45 18	Green	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 52 18	Matt chrome	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 60 18	Blue	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 70 18	Red	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 90 18	Titanium	PL	G-24q-2	1x18w	102,71	0,25	0,20
850 01 26	White	PL	G-24q-3	1x26w	99,78	0,25	0,20
850 02 26	Black	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 05 26	Chrome	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 45 26	Green	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 52 26	Matt chrome	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 60 26	Blue	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 70 26	Red	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 90 26	Titanium	PL	G-24q-3	1x26w	102,77	0,25	0,20
850 01 32	White	PLT	GX24Q-3	1x32w	147,59	0,25	0,20
850 02 32	Black	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 05 32	Chrome	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 45 32	Green	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 52 32	Matt chrome	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 60 32	Blue	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 70 32	Red	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 90 32	Titanium	PLT	GX24Q-3	1x32w	152,01	0,25	0,20
850 01 42	White	PLT	GX24Q-4	1x42w	147,59	0,25	0,20
850 02 42	Black	PLT	GX24Q-4	1x42w	152,01	0,25	0,20
850 05 42	Chrome	PLT	GX24Q-4	1x42w	152,01	0,25	0,20
850 45 42	Green	PLT	GX24Q-4	1x42w	152,01	0,25	0,20
850 52 42	Matt chrome	PLT	GX24Q-4	1x42w	152,01	0,25	0,20
850 60 42	Blue	PLT	GX24Q-4	1x42w	152,01	0,25	0,20
850 70 42	Red	PLT	GX24Q-4	1x42w	152,01	0,25	0,20
850 90 42	Titanium	PLT	GX24Q-4	1x42w	152,01	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Braco PL and PLT 2 lamps

Includes electronic ballast and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
853 01 26	White	PL	G-24q-3	2x26w	156,53	0,25	0,40
853 02 26	Black	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 05 26	Chrome	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 45 26	Green	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 52 26	Matt chrome	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 60 26	Blue	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 70 26	Red	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 90 26	Titanium	PL	G-24q-3	2x26w	161,22	0,25	0,40
853 01 32	White	PLT	GX24Q-3	2x32w	204,14	0,25	0,40
853 02 32	Black	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 05 32	Chrome	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 45 32	Green	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 52 32	Matt chrome	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 60 32	Blue	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 70 32	Red	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 90 32	Titanium	PLT	GX24Q-3	2x32w	210,26	0,25	0,40
853 01 42	White	PLT	GX24Q-4	2x42w	204,14	0,25	0,40
853 02 42	Black	PLT	GX24Q-4	2x42w	210,26	0,25	0,40
853 05 42	Chrome	PLT	GX24Q-4	2x42w	210,26	0,25	0,40
853 45 42	Green	PLT	GX24Q-4	2x42w	210,26	0,25	0,40
853 52 42	Matt chrome	PLT	GX24Q-4	2x42w	210,26	0,25	0,40
853 60 42	Blue	PLT	GX24Q-4	2x42w	210,26	0,25	0,40
853 70 42	Red	PLT	GX24Q-4	2x42w	210,26	0,25	0,40
853 90 42	Titanium	PLT	GX24Q-4	2x42w	210,26	0,25	0,40

* Supplied in a standard manner with 4200° K lamp

1 lamp/2 lamps

Rough price increase of control gear		€	€
Ref. BR	Dimmable electronic ballast 1-10v	85,00	87,00
Ref. TD	Electronic ballast Touch and Dim	85,00	87,00

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL 18w	•	•	•
PL 26w	•	•	•
PLT/E 32w	•	•	•
PLT/E 42w	•	•	•

Braco E-27

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 850 01	White	-	E-27	Max.100w	78,66	0,25
850 02	Black	-	E-27	Max.100w	81,01	0,25
850 05	Chrome	-	E-27	Max.100w	81,01	0,25
850 45	Green	-	E-27	Max.100w	81,01	0,25
850 52	Matt chrome	-	E-27	Max.100w	81,01	0,25
850 60	Blue	-	E-27	Max.100w	81,01	0,25
850 70	Red	-	E-27	Max.100w	81,01	0,25
850 90	Titanium	-	E-27	Max.100w	81,01	0,25

Braco Globe 23 w E-27

Includes PLE-D GLOBE lamp 23w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
E-27 850 01 23	White	Globe	E-27	23w	119,88	0,25	0,30
850 02 23	Black	Globe	E-27	23w	123,47	0,25	0,30
850 05 23	Chrome	Globe	E-27	23w	123,47	0,25	0,30
850 45 23	Green	Globe	E-27	23w	123,47	0,25	0,30
850 52 23	Matt chrome	Globe	E-27	23w	123,47	0,25	0,30
850 60 23	Blue	Globe	E-27	23w	123,47	0,25	0,30
850 70 23	Red	Globe	E-27	23w	123,47	0,25	0,30
850 90 23	Titanium	Globe	E-27	23w	123,47	0,25	0,30

* Supplied in a standard manner with 6500° K lamp

Braco 1 LED PL lamp 14,4w

Includes driver and LED lamp 14,4w.

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
LED 850 01 14	White	LED	G-24d-3	1x14,4w	164,07	0,25	0,20
850 02 14	Black	LED	G-24d-3	1x14,4w	166,07	0,25	0,20
850 05 14	Chrome	LED	G-24d-3	1x14,4w	166,07	0,25	0,20
850 45 14	Green	LED	G-24d-3	1x14,4w	166,07	0,25	0,20
850 52 14	Matt chrome	LED	G-24d-3	1x14,4w	166,07	0,25	0,20
850 60 14	Blue	LED	G-24d-3	1x14,4w	166,07	0,25	0,20
850 70 14	Red	LED	G-24d-3	1x14,4w	166,07	0,25	0,20
850 90 14	Titanium	LED	G-24d-3	1x14,4w	166,07	0,25	0,20

* Supplied in a standard manner with 5400° K lamp

Braco 2 LED lamps PL 14,4w

Includes driver and 2 LED lamps 14,4w.

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
LED 853 01 14	White	LED	G-24d-3	2x14,4w	251,77	0,25	0,20
853 02 14	Black	LED	G-24d-3	2x14,4w	254,06	0,25	0,20
853 05 14	Chrome	LED	G-24d-3	2x14,4w	254,06	0,25	0,20
853 45 14	Green	LED	G-24d-3	2x14,4w	254,06	0,25	0,20
853 52 14	Matt chrome	LED	G-24d-3	2x14,4w	254,06	0,25	0,20
853 60 14	Blue	LED	G-24d-3	2x14,4w	254,06	0,25	0,20
853 70 14	Red	LED	G-24d-3	2x14,4w	254,06	0,25	0,20
853 90 14	Titanium	LED	G-24d-3	2x14,4w	254,06	0,25	0,20

* Supplied in a standard manner with 5400° K lamp

Braco HQI

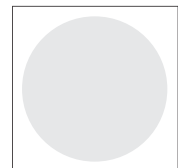
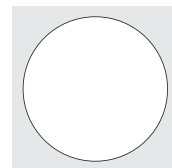
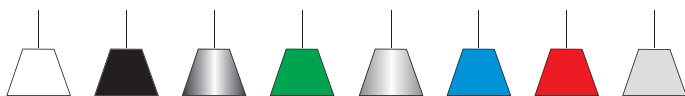
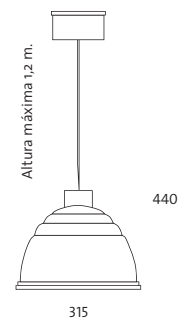
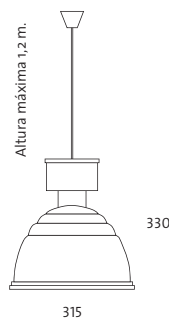
Includes control gear, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
E-27 851 01 70	White	HQI RX7s	70w		213,33	0,50	0,30
851 02 70	Black	HQI RX7s	70w		219,72	0,50	0,30
851 05 70	Chrome	HQI RX7s	70w		219,72	0,50	0,30
851 45 70	Green	HQI RX7s	70w		219,72	0,50	0,30
851 52 70	Matt chrome	HQI RX7s	70w		219,72	0,50	0,30
851 60 70	Blue	HQI RX7s	70w		219,72	0,50	0,30
851 70 70	Red	HQI RX7s	70w		219,72	0,50	0,30
851 90 70	Titanium	HQI RX7s	70w		219,72	0,50	0,30
851 01 15	White	HQI RX7s	150w		217,86	0,50	0,30
851 02 15	Black	HQI RX7s	150w		224,39	0,50	0,30
851 05 15	Chrome	HQI RX7s	150w		224,39	0,50	0,30
851 45 15	Green	HQI RX7s	150w		224,39	0,50	0,30
851 52 15	Matt chrome	HQI RX7s	150w		224,39	0,50	0,30
851 60 15	Blue	HQI RX7s	150w		224,39	0,50	0,30
851 70 15	Red	HQI RX7s	150w		224,39	0,50	0,30
851 90 15	Titanium	HQI RX7s	150w		224,39	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

OPTIONS

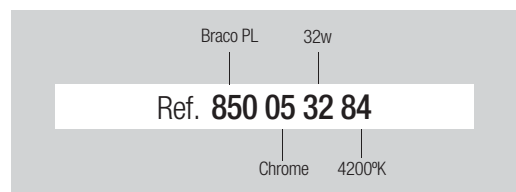
	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•



Ref. CT850
Transp. glass Braco

Ref. CM850
Matt glass Braco

Example to write a reference with options



Braco LED 25w



Includes protection glass, driver and LED 25w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	850 01 25 83	White	LED	25w	228,40	0,25
	850 02 25 83	Black	LED	25w	231,39	0,25
	850 05 25 83	Chrome	LED	25w	231,39	0,25
	850 45 25 83	Green	LED	25w	231,39	0,25
	850 52 25 83	Matt chrome	LED	25w	231,39	0,25
	850 60 25 83	Blue	LED	25w	231,39	0,25
	850 70 25 83	Red	LED	25w	231,39	0,25
	850 90 25 83	Titanium	LED	25w	231,39	0,25

* Supplied in a standard manner with 3000° K lamp

Braco LED 33w



Includes protection glass, driver and LED 33w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	850 01 33 85	White	LED	14x2,4w	562,79	0,25
	850 02 33 85	Black	LED	14x2,4w	569,38	0,25
	850 05 33 85	Chrome	LED	14x2,4w	569,38	0,25
	850 45 33 85	Green	LED	14x2,4w	569,38	0,25
	850 52 33 85	Matt chrome	LED	14x2,4w	569,38	0,25
	850 60 33 85	Blue	LED	14x2,4w	569,38	0,25
	850 70 33 85	Red	LED	14x2,4w	569,38	0,25
	850 90 33 85	Titanium	LED	14x2,4w	569,38	0,25

* Supplied in a standard manner with 5400° K lamp

Braco LED 29w



Includes protection glass, driver and LED 29w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	850 01 29 85	White	LED	29w	229,50	0,25
	850 02 29 85	Black	LED	29w	232,49	0,25
	850 05 29 85	Chrome	LED	29w	232,49	0,25
	850 45 29 85	Green	LED	29w	232,49	0,25
	850 52 29 85	Matt chrome	LED	29w	232,49	0,25
	850 60 29 85	Blue	LED	29w	232,49	0,25
	850 70 29 85	Red	LED	29w	232,49	0,25
	850 90 29 85	Titanium	LED	29w	232,49	0,25

* Supplied in a standard manner with 5400° K lamp

Braco LED 30w



Includes protection glass, driver and LED 30w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	850 01 30 83	White	LED	30w	229,51	0,25
	850 02 30 83	Black	LED	30w	232,50	0,25
	850 05 30 83	Chrome	LED	30w	232,50	0,25
	850 45 30 83	Green	LED	30w	232,50	0,25
	850 52 30 83	Matt chrome	LED	30w	232,50	0,25
	850 60 30 83	Blue	LED	30w	232,50	0,25
	850 70 30 83	Red	LED	30w	232,50	0,25
	850 90 30 83	Titanium	LED	30w	232,50	0,25

* Supplied in a standard manner with 3500° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Rough price increase of driver		€
Ref. DR	Dimmable driver 1 - 10v	48,60
Rough price increase of accesories		€
Ref. CT850	Transparent glass Braco	11,87
Ref. CM850	Matt glass Braco	11,96



Lumik

Protection degree IP20 / IP43

- Material:** Aluminium and acrylic polycarbonate.
- Optics:** Acrylic polycarbonate reflector. It can be supplied as an option with acrylic protection (Ref. CA 861), for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence to low consumption. PL-T lamps from 26 to 42 watts suitable for domestic or commercial use. Metal halide discharge lamps, suitable for commercial use, exhibition areas and group facilities due to its high lighting output.
- Installation:** Directly on ceiling with 1 meter length cable (screw not included).
- Colours:** Titanium gear-box.

Lumik E-27

Without lamps

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
	861 90	Titanium	-	E-27	Max.100w	71,27	0,25

Includes PLE-D GLOBE lamps 23w

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
	861 90 23	Titanium	Globe	E-27	23w	112,49	0,25	0,30

* Supplied in a standard manner with 6500° K lamp

Lumik PL and PLT



Includes electronic ballast and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
864 90 26	Titanium	PL	G-24q-3	26w	82,34	0,25	0,20
864 90 32	Titanium	PLT	GX24Q-3	32w	106,41	0,25	0,20
864 90 42	Titanium	PLT	GX24Q-4	42w	106,41	0,25	0,20
864 90 57	Titanium	PLT	GX24Q-5	57w	117,31	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Lumik LED PL 14,4w



Includes driver and LED lamp 14,4w.

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
861 90 14	Titanium	LED	G-24d-3	14,4w	158,97	0,25	0,20

* Supplied in a standard manner with 5400° K lamp

Lumik HQI



Includes electronic transformers, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
866 90 70	Titanium	HQI	G-12	70w	241,07	0,25	0,30

* Supplied in a standard manner with 4200° K lamp

Lumik LED 30w



Includes driver and LED lamp 30w.

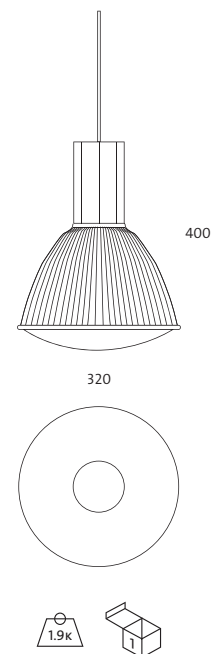
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
861 90 30	Titanium	LED	-	30w	166,10	0,25



* Supplied in a standard manner with 5400° K lamp

Rough price increase of driver

Ref.	€
Ref. DR Dimmable driver 1 - 10v	112,90
Ref. DRD Dimmable driver Dali	113,80



OPTIONS PL / PLT-E	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL 26w	•	•	•
PLT/E 32w	•	•	•
PLT/E 42w	•	•	•

OPTIONS LAMPS PL AND PLT

Rough price increase of control gear

Ref.	Description	€
Ref. BE	Electronic ballast	19,00
Ref. BR	Dimmable electronic ballast 1-10v	85,00
Ref. TD	Electronic ballast Touch and Dim	85,00

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS HQI	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•

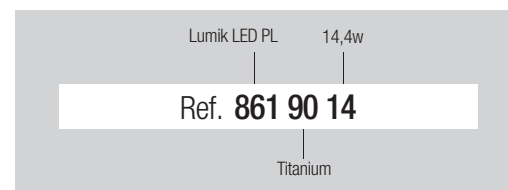


Ref. CA861
Lumik acrylic protection cover

Rough price increase of accessories

Ref.	€
Ref. CA861 Lumik acrylic protection cover	13,85

Example to write a reference with options



Zidi


Protection degree IP20

- Material:** Polished aluminium or thermo painted.
Supply: Directly connected to the 220V main. for lampholder E-27.
Lamps: It uses all kinds of lamps for E-27, from incandescence to low consumption.
Installation: Directly on ceiling with maximum 1,20 meter length cable (screw not included).
Colours: White, black, matt chrome, chrome, red, green, blue and titanium. RAL colours by request.

Without lamps


Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 860 01	White	-	E-27	Max.100w	49,54	0,25
860 02	Black	-	E-27	Max.100w	51,02	0,25
860 05	Chrome	-	E-27	Max.100w	51,02	0,25
860 45	Green	-	E-27	Max.100w	51,02	0,25
860 52	Matt chrome	-	E-27	Max.100w	51,02	0,25
860 60	Blue	-	E-27	Max.100w	51,02	0,25
860 70	Red	-	E-27	Max.100w	51,02	0,25
860 90	Titanium	-	E-27	Max.100w	51,02	0,25

Includes PLE-D GLOBE lamps 23w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 860 01 23	White	Globe	E-27	23w	90,76	0,25	0,30
860 02 23	Black	Globe	E-27	23w	93,48	0,25	0,30
860 05 23	Chrome	Globe	E-27	23w	93,48	0,25	0,30
860 45 23	Green	Globe	E-27	23w	93,48	0,25	0,30
860 52 23	Matt chrome	Globe	E-27	23w	93,48	0,25	0,30
860 60 23	Blue	Globe	E-27	23w	93,48	0,25	0,30
860 70 23	Red	Globe	E-27	23w	93,48	0,25	0,30
860 90 23	Titanium	Globe	E-27	23w	93,48	0,25	0,30


* Supplied in a standard manner with 6500° K lamp

Includes LED PAR 30 lamps

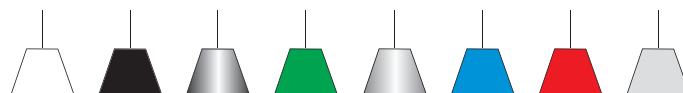
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 LED 860 01 09	White	LED	E-27	9w	135,44	0,25	0,20
860 02 09	Black	LED	E-27	9w	138,92	0,25	0,20
860 05 09	Chrome	LED	E-27	9w	138,92	0,25	0,20
860 45 09	Green	LED	E-27	9w	138,92	0,25	0,20
860 52 09	Matt chrome	LED	E-27	9w	138,92	0,25	0,20
860 60 09	Blue	LED	E-27	9w	138,92	0,25	0,20
860 70 09	Red	LED	E-27	9w	138,92	0,25	0,20
860 90 09	Titanium	LED	E-27	9w	138,92	0,25	0,20

* Supplied in a standard manner with 4000° K lamp

Includes LED E-27 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 LED 860 01 05	White	LED	E-27	5,5w	107,44	0,25	0,20
860 02 05	Black	LED	E-27	5,5w	108,92	0,25	0,20
860 05 05	Chrome	LED	E-27	5,5w	108,92	0,25	0,20
860 45 05	Green	LED	E-27	5,5w	108,92	0,25	0,20
860 52 05	Matt chrome	LED	E-27	5,5w	108,92	0,25	0,20
860 60 05	Blue	LED	E-27	5,5w	108,92	0,25	0,20
860 70 05	Red	LED	E-27	5,5w	108,92	0,25	0,20
860 90 05	Titanium	LED	E-27	5,5w	108,92	0,25	0,20

* Supplied in a standard manner with 4200° K lamp



Adra

Protection degree IP20

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of ADRA lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and/or commercial areas.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White, black and titanium.

Adra QR 111

Includes electronic transformers and QR-111 lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
056QC 01 35	White	QR-111 G53	35w	113,91	0,25	
056QC 02 35	Black	QR-111 G53	35w	117,32	0,25	
056QC 52 35	Matt chrome	QR-111 G53	35w	117,32	0,25	
056QC 90 35	Titanium	QR-111 G53	35w	117,32	0,25	
056QC 01 50	White	QR-111 G53	50w	113,91	0,25	
056QC 02 50	Black	QR-111 G53	50w	117,32	0,25	
056QC 52 50	Matt chrome	QR-111 G53	50w	117,32	0,25	
056QC 90 50	Titanium	QR-111 G53	50w	117,32	0,25	
056QC 01 60	White	QR-111 G53	60w	120,20	0,25	
056QC 02 60	Black	QR-111 G53	60w	123,80	0,25	
056QC 52 60	Matt chrome	QR-111 G53	60w	123,80	0,25	
056QC 90 60	Titanium	QR-111 G53	60w	123,80	0,25	
056QC 01 75	White	QR-111 G53	75w	116,10	0,25	
056QC 02 75	Black	QR-111 G53	75w	119,58	0,25	
056QC 52 75	Matt chrome	QR-111 G53	75w	119,58	0,25	
056QC 90 75	Titanium	QR-111 G53	75w	119,58	0,25	
056QC 01 10	White	QR-111 G53	100w	116,10	0,25	
056QC 02 10	Black	QR-111 G53	100w	119,58	0,25	
056QC 52 10	Matt chrome	QR-111 G53	100w	119,58	0,25	
056QC 90 10	Titanium	QR-111 G53	100w	119,58	0,25	

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

Adra CDM-R 111

Includes electronic transformers and CDM-R lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
056RC 01 35	White	CDM-R 111 GX8.5	35w	296,82	0,25	0,30	
056RC 02 35	Black	CDM-R 111 GX8.5	35w	305,72	0,25	0,30	
056RC 52 35	Matt chrome	CDM-R 111 GX8.5	35w	305,72	0,25	0,30	
056RC 90 35	Titanium	CDM-R 111 GX8.5	35w	305,72	0,25	0,30	
056RC 01 70	White	CDM-R 111 GX8.5	70w	296,86	0,25	0,30	
056RC 02 70	Black	CDM-R 111 GX8.5	70w	305,72	0,25	0,30	
056RC 52 70	Matt chrome	CDM-R 111 GX8.5	70w	305,72	0,25	0,30	
056RC 90 70	Titanium	CDM-R 111 GX8.5	70w	305,72	0,25	0,30	

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Adra LED 111

Includes driver and LED 111 lamp



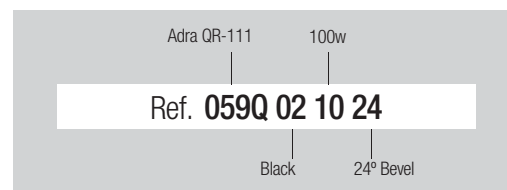
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
056B 01 12	White	LED-111	-	12w	215,02	0,25	0,20
056B 02 12	Black	LED-111	-	12w	221,47	0,25	0,20
056B 52 12	Matt chrome	LED-111	-	12w	221,47	0,25	0,20
056B 90 12	Titanium	LED-111	-	12w	221,47	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Rough price increase of driver	€
Ref. DR Dimmable driver 1-10V	116,80

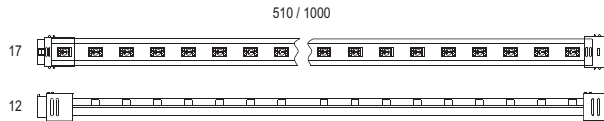
Example to write a reference with options



Lefil

Protection degree IP43

- Material: Aluminium extruido con recubrimiento de pintura al horno.
- Optics: Optics incorporated in the lamps. Transparent diffuser included.
- Supply: Driver IP65 adapted to the power needed, not included.
- Lamps: LED strips composed by 60 x 0,24w leds each one. In white, warm 3000k° or cold 6500°.
- Installation: Directly screw on ceiling (screw not included).
- Colours: White, black, matt chrome and titanium.



Lefil - 500mm

Includes a section of 500mm profile aluminum and LED

Ref.	Colour	Lamp	T. colour	W	€
LED 3390 01 07 86	White	LED	6500°K	7,2w	68,59
3390 02 07 86	Black	LED	6500°K	7,2w	72,67
3390 52 07 86	Matt chrome	LED	6500°K	7,2w	72,67
3390 90 07 86	Titanium	LED	6500°K	7,2w	72,67

Lefil - 1000mm

Includes a section of 1000mm profile aluminum and LED

Ref.	Colour	Lamp	T. colour	W	€
LED 3390 01 14 86	White	LED	6500°K	14,4w	123,40
3390 02 14 86	Black	LED	6500°K	14,4w	130,81
3390 52 14 86	Matt chrome	LED	6500°K	14,4w	130,81
3390 90 14 86	Titanium	LED	6500°K	14,4w	130,81

Includes a section of 500mm profile aluminum and LED

Ref.	Colour	Lamp	T. colour	W	€
LED 3390 01 07 83	White	LED	3000°K	7,2w	68,60
3390 02 07 83	Black	LED	3000°K	7,2w	72,68
3390 52 07 83	Matt chrome	LED	3000°K	7,2w	72,68
3390 90 07 83	Titanium	LED	3000°K	7,2w	72,68

Includes a section of 1000mm profile aluminum and LED

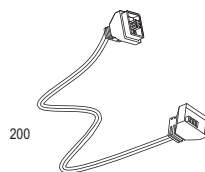
Ref.	Colour	Lamp	T. colour	W	€
LED 3390 01 14 83	White	LED	3000°K	14,4w	123,41
3390 02 14 83	Black	LED	3000°K	14,4w	130,82
3390 52 14 83	Matt chrome	LED	3000°K	14,4w	130,82
3390 90 14 83	Titanium	LED	3000°K	14,4w	130,82

Accessories



Supply with 1 meter wire

Ref.	Measures	€
3391	1000mm	9,50



Intermediate joint with wire

Ref.	Measures	€
3392	200mm	11,80



Wall fixing

Ref.	€
3393	2,60

Drivers 12V IP65



Driver IP65 max. 12V DC 30W

Ref.	Measures	€
2080	220x30x20	42,45



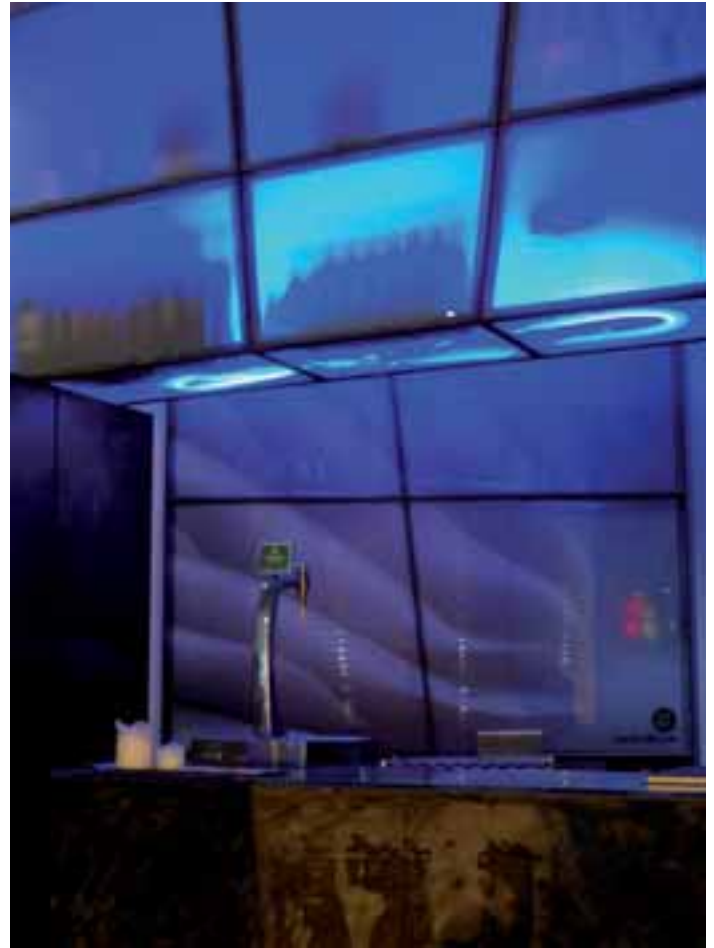
Driver IP65 max. 12V DC 60W

Ref.	Measures	€
2081	190x70x50	76,47



Driver IP65 max. 12V DC 100W

Ref.	Measures	€
2082	240x70x50	139,25



Cambo Flexible Strip

Protection degree IP20

Material: Flexible plastic support.
Optics: Built-in-lamp optics.
Supply: 12V / 24V electronic equipment with direct power and 400 / 600 / 1200 mA according to each model (not included).
Lamps: Flexible led strips composed by 60 x 0,08 / 0,24w leds per meter. In white, warm 3000k° or cold 6500°. RGB flexible strip composed by 30 x 0,24w and 60 x 0,24w led per meter.
Installation: Back side of the strip contains 3M adhesive to install directly on brackets where light needs to be adapted to irregular shaped, luminated sings, etc.
 The CAMBO flexible strips offer the possibility of being connected to each other through connectors. They are also divisible in stretch of 3 leds, cut must be done on spots fitted for that purpose (every 5 cm in the 8 mm strip and every 10 cm in the 10 mm strip).



5000 mm



* Stretch shorter than 5 meters are also available to be supplied optionally with connections.

Cambo Flexible Strip 12V IP20

5 meters roll of IP 20 cold white 6500 K°, 24W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2005 01 86	8mm	LED 0,08w	60	300	each 5 cm	○	24w	12V DC	400 mA	117,20

5 meters roll of IP 20 warm white 3000 K°, 24W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2005 01 83	8mm	LED 0,08w	60	300	each 5 cm	○	24w	12V DC	400 mA	116,10

5 meters roll of IP 20 cold white 6500 K°, 36W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2006 01 86	12mm	LED 0,24w	30	150	each 10 cm	○	36w	12V DC	600 mA	174,20

5 meters roll of IP 20 warm white 3000 K°, 36W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2006 01 83	12mm	LED 0,24w	30	150	each 10 cm	○	36w	12V DC	600 mA	174,60

5 meters roll of IP 20 cold white 6500 K°, 72W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2007 01 86	12mm	LED 0,24w	60	300	each 10 cm	○	72w	12V DC	1200 mA	277,50

5 meters roll of IP 20 warm white 3000 K°, 72W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2007 01 83	12mm	LED 0,24w	60	300	each 10 cm	○	72w	12V DC	1200 mA	276,40

5 meters roll of IP 20 RGB, 36W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2008 01	12mm	LED 0,24w	30	150	each 20 cm	●●●	36w	12V DC	600 mA	176,20

5 meters roll of IP 20 RGB, 72W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2009 01	12mm	LED 0,24w	60	300	each 5 cm	●●●	72w	12V DC	1200 mA	278,35

Cambo Flexible Strip 24V IP20

5 meters roll of IP 20 cold white 4100 K°, 24V DC 60W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2017 01 84	12mm	LED 0,20w	60	300	each 12,5 cm	○	60w	24V DC	1920 mA	174,90

5 meters roll of IP 20 warm white 3000 K°, 24V DC 60W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2017 01 83	12mm	LED 0,20w	60	300	each 12,5 cm	○	60w	24V DC	1920 mA	175,60

IP20 Connectors



Wire connector and supply IP20, 24W

Ref.	€
2020	2,88

Wire connector and supply IP20, 36W and 72W

Ref.	€
2022	2,88



Wire connector and supply IP20, RGB

Ref.	€
2024	2,88



Intermediate connection IP20, 24W

Ref.	€
2021	2,67

Intermediate connection IP20, 36/72W

Ref.	€
2023	2,67

Intermediate connection IP20, RGB

Ref.	€
2025	2,67

Drivers 12V IP20



Driver LED max. 12V DC 30W

Ref.	Measures	€
2050	110x80x40mm	37,65



Driver LED max. 12V DC 60W

Ref.	Measures	€
2051	130x100x40mm	50,26



Driver LED max. 12V DC 100W

Ref.	Measures	€
2052	160x100x40mm	56,44

Driver LED max. 12V DC 150W

Ref.	Measures	€
2053	190x100x40mm	60,04

Drivers 24V IP20



Driver LED max. 24V DC 30W

Ref.	Measures	€
2084	110x80x40mm	37,69

Driver LED max. 24V DC 60W

Ref.	Measures	€
2085	110x80x40mm	50,36

Driver LED max. 24V DC 100W

Ref.	Measures	€
2086	160x100x40mm	56,54

Driver LED max. 24V DC 150W

Ref.	Measures	€
2087	190x100x40mm	60,46

Controller RGB

Description: RGB controller is a device ready to control the RGB products in low voltage. Stores and carries out up to 11 different standards of color. Pressing the "mode" button, allows to choose the desirable color, and pressing the "speed" button allows to change the speed the model is working at.

Temperature: -20-60°C

Voltage: 12V DC (corriente continua). Do not connet under no premises to 24V DC or 220V AC.

Ouput: 3 CMOS (Complementary metal oxide semiconductor)

Connection: Common anode.



Controller RGB.

Ref.	Measures	weight	Voltage	€
2060	105x75x29	120g	12V DC	102,79

Controller RGB with remote control

Description: RGB controller is a device ready to control the RGB products in low voltage. Stores and carries out up to 11 different standards of color. Use PWM (Pulse Width Modulation) which allows it to control the standard or the speed of color , being to fix the parameter in the regulator by pressing "mode" or "speed" buttons.

Temperature: -20-60°C

Voltage: 12V DC (corriente continua). Do not connet under no premises to 24V DC or 220V AC.

Ouput: 3 CMOS (Complementary metal oxide semiconductor)

Connection: Common anode.



Controller RGB with remote control

Ref.	Measures	weight	Voltage	€
2061	95x65x25	250g	12V DC	125,76

Accesories



Aluminium warm dissipator sheet.

When the led strip is installed on no heat dissipator materials, like glass or wood, it is recommended to use an aluminium sheet to reduce the temperature of the led.

Ref.	Measures	€
2088	10x1000x20mm	8,29

Dimmable driver IP65 1-10V or signal PWM, flexible strip.

Ref.	Measures	W	€
3280 30	145x47x30mm	to 30w	72,12
3280 40	163x47x32mm	to 40w	111,42
3280 12	200x70x40mm	to 120w	238,05
3280 15	205x70x40mm	to 150w	254,70



RGB sign amplifier for IP 20

Ref.	Measures	€
2089	110x65x30mm	57,68

Garia


Protection degree IP43

- Material:** Extruded aluminium structure, lined with thermo paint, polycarbonate transparent diffuser.
- Optics:** Optics incorporated in the LED lamps.
- Supply:** Electronic equipments adapted to the LED lamp and the power included.
- Lamps:** Continuous Strip LED, with different powers from 9,6 w to 48 w, according to the model.
- Installation:** Directly screw on ceiling or with 1 meter high suspension (screw not included). Adjustable suspension +/- 30° through the accessory (Ref. 3029)
- Colours:** Titanium body, white or black.
- Options:** Also available in other colours, masures and with accessories to create geometrical structures (Intermediate or 90° connections) Ask for more Information.



Garia 900 / 13w surface


Includes driver, diffuser and flexible strip LED

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3020 01 86	White	LED	54x0,24w	185,21	0,25
	3020 02 86	Black	LED	54x0,24w	185,21	0,25
	3020 45 86	Green	LED	54x0,24w	193,58	0,25
	3020 52 86	Matt chrome	LED	54x0,24w	185,21	0,25
	3020 60 86	Blue	LED	54x0,24w	193,58	0,25
	3020 70 86	Red	LED	54x0,24w	193,58	0,25
	3020 90 86	Titanium	LED	54x0,24w	185,21	0,25
	3020 91 86	Natural Al.	LED	54x0,24w	193,45	0,25

* Supplied in a standard manner with LED 6500° K lamp

Garia 900 / 13w suspension 1 meter


Includes driver, diffuser and flexible strip LED

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3024 01 86	White	LED	54x0,24w	198,08	0,25
	3024 02 86	Black	LED	54x0,24w	198,08	0,25
	3024 45 86	Green	LED	54x0,24w	207,98	0,25
	3024 52 86	Matt chrome	LED	54x0,24w	198,08	0,25
	3024 60 86	Blue	LED	54x0,24w	207,98	0,25
	3024 70 86	Red	LED	54x0,24w	207,98	0,25
	3024 90 86	Titanium	LED	54x0,24w	198,08	0,25
	3024 91 86	Natural Al.	LED	54x0,24w	207,98	0,25

* Supplied in a standard manner with LED 6500° K lamp

Garia 1400 / 20w surface


Includes driver, diffuser and flexible strip LED

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3021 01 86	White	LED	84x0,24w	255,54	0,25
	3021 02 86	Black	LED	84x0,24w	255,54	0,25
	3021 45 86	Green	LED	84x0,24w	268,31	0,25
	3021 52 86	Matt chrome	LED	84x0,24w	255,54	0,25
	3021 60 86	Blue	LED	84x0,24w	268,31	0,25
	3021 70 86	Red	LED	84x0,24w	268,31	0,25
	3021 90 86	Titanium	LED	84x0,24w	255,54	0,25
	3021 91 86	Natural Al.	LED	84x0,24w	268,31	0,25

* Supplied in a standard manner with LED 6500° K lamp

Garia 1400 / 20w suspension 1 meter


Includes driver, diffuser and flexible strip LED

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3025 01 86	White	LED	84x0,24w	268,41	0,25
	3025 02 86	Black	LED	84x0,24w	268,47	0,25
	3025 45 86	Green	LED	84x0,24w	281,83	0,25
	3025 52 86	Matt chrome	LED	84x0,24w	268,41	0,25
	3025 60 86	Blue	LED	84x0,24w	281,83	0,25
	3025 70 86	Red	LED	84x0,24w	281,83	0,25
	3025 90 86	Titanium	LED	84x0,24w	268,41	0,25
	3025 91 86	Natural Al.	LED	84x0,24w	281,83	0,25

* Supplied in a standard manner with LED 6500° K lamp

Garia 1900 / 28w surface


Includes driver, diffuser and flexible strip LED

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3022 01 86	White	LED	114x0,24w	335,88	0,25
	3022 02 86	Black	LED	114x0,24w	335,88	0,25
	3022 45 86	Green	LED	114x0,24w	352,67	0,25
	3022 52 86	Matt chrome	LED	114x0,24w	335,88	0,25
	3022 60 86	Blue	LED	114x0,24w	352,67	0,25
	3022 70 86	Red	LED	114x0,24w	352,67	0,25
	3022 90 86	Titanium	LED	114x0,24w	335,88	0,25
	3022 91 86	Natural Al.	LED	114x0,24w	352,67	0,25

* Supplied in a standard manner with LED 6500° K lamp

Garia 1900 / 28w suspension 1 meter

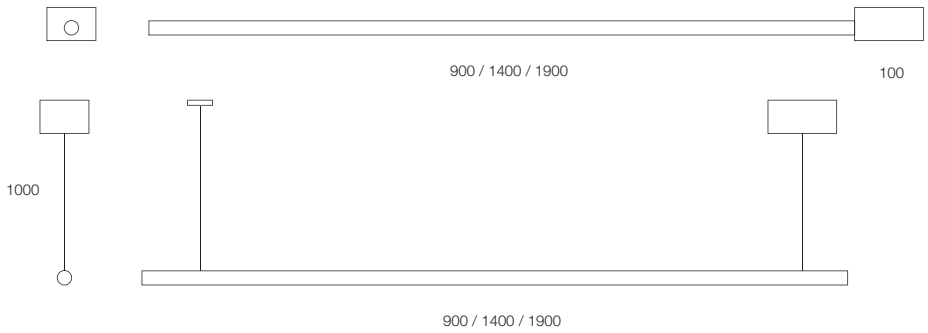
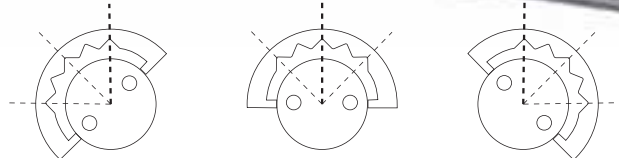
Includes driver, diffuser and flexible strip LED

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3026 01 86	White	LED	114x0,24w	348,75	0,25
	3026 02 86	Black	LED	114x0,24w	348,75	0,25
	3026 45 86	Green	LED	114x0,24w	366,22	0,25
	3026 52 86	Matt chrome	LED	114x0,24w	348,75	0,25
	3026 60 86	Blue	LED	114x0,24w	366,22	0,25
	3026 70 86	Red	LED	114x0,24w	366,22	0,25
	3026 90 86	Titanium	LED	114x0,24w	348,75	0,25
	3026 91 86	Natural Al.	LED	114x0,24w	366,22	0,25

* Supplied in a standard manner with LED 6500° K lamp



Garia



FLEXIBLE STRIP OPTIONS	Ref. 83	Ref. 86
IRC / Colour temperature	3000K°	6500°K
LED 0,24w	•	•



Ref. 3027
Joint 90°.



Ref. 3028
Intermediate joint.

Rough price increase of accesories		€
Ref. RGB	LED RGB and controller with remote control	110,20
Ref. 3029	Accessory for orientation	21,80
Ref. 3027	Joint 90°	26,40
Ref. 3028	Intermediate joint	12,80

Tulip

Protection degree IP20

Material: Steel sheet thermo painted or electrolytic coat.
Supply: Directly connected to the 220v main.
Lamps: It uses all kinds of lamps for E-27, maximum 100w, suitable for domestic use.
Installation: Directly screw on wall (screw not included).
Colours: Gold, chrome and matt chrome.

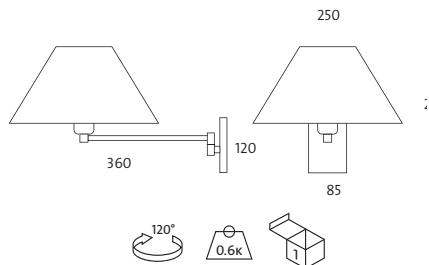
Tulip 1 joint

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 819 03	Gold	-	E-27	Max.100w	45,13	0,25
819 05	Chrome	-	E-27	Max.100w	45,13	0,25
819 52	Matt chrome	-	E-27	Max.100w	45,13	0,25

Includes LED lamp E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
LED 819 03 05	Gold	LED	E-27	5,5w	103,03	0,25 0,20
819 05 05	Chrome	LED	E-27	5,5w	103,03	0,25 0,20
819 52 05	Matt chrome	LED	E-27	5,5w	103,03	0,25 0,20



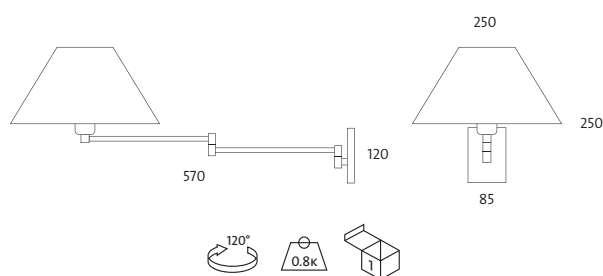
Tulip 2 joints

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 821 03	Gold	-	E-27	Max.100w	51,29	0,25
821 05	Chrome	-	E-27	Max.100w	51,29	0,25
821 52	Matt chrome	-	E-27	Max.100w	51,29	0,25

Includes LED lamp E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
LED 821 03 05	Gold	LED	E-27	5,5w	109,19	0,25 0,20
821 05 05	Chrome	LED	E-27	5,5w	109,19	0,25 0,20
821 52 05	Matt chrome	LED	E-27	5,5w	109,19	0,25 0,20



Bama

Protection degree IP20

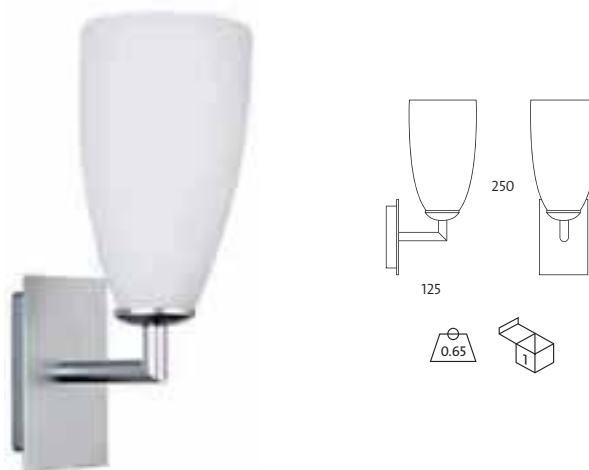
Material: Steel sheet thermo painted or electrolytic coat and matt glass.
Supply: Directly connected to the 220v main.
Lamps: It uses all kinds of lamps for E-27, maximum 100w, suitable for domestic use.
Installation: Directly screw on wall (screw not included).
Colours: White, gold, chrome, matt chrome and titanium.

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 818 01	White	-	E-27	Max.100w	41,57	0,25
818 03	Gold	-	E-27	Max.100w	49,04	0,25
818 05	Chrome	-	E-27	Max.100w	49,04	0,25
818 52	Matt chrome	-	E-27	Max.100w	49,04	0,25
818 90	Titanium	-	E-27	Max.100w	49,04	0,25

Includes LED lamp E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
LED 818 01 05	White	LED	E-27	5,5w	99,47	0,25 0,30
818 03 05	Gold	LED	E-27	5,5w	106,94	0,25 0,30
818 05 05	Chrome	LED	E-27	5,5w	106,94	0,25 0,30
818 52 05	Matt chrome	LED	E-27	5,5w	106,94	0,25 0,30
818 90 05	Titanium	LED	E-27	5,5w	106,94	0,25 0,30



Valo

Protection degree IP20

- Material:** Steel sheet thermo painted or electrolytic coat and matt glass.
- Supply:** Control gear for PL lamps is included. It can be supplied as an option with electronic ballast.
- Lamps:** It uses low consumption PL lamps of 9, 13, and 18 watts, suitable for domestic and commercial areas.
- Installation:** Directly screw on wall (screw not included).
- Colours:** White, gold, chrome, matt chrome and titanium.



Valo PL

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	lum. ^{RAEE}	Lamp
815 01 09	White	PL	G-23	9w	56,95	0,25	0,20
815 03 09	Gold	PL	G-23	9w	65,81	0,25	0,20
815 05 09	Chrome	PL	G-23	9w	65,81	0,25	0,20
815 52 09	Matt chrome	PL	G-23	9w	65,81	0,25	0,20
815 90 09	Titanium	PL	G-23	9w	65,81	0,25	0,20
815 01 13	White	PL	G24d-1	13w	56,95	0,25	0,20
815 03 13	Gold	PL	G24d-1	13w	65,81	0,25	0,20
815 05 13	Chrome	PL	G24d-1	13w	65,81	0,25	0,20
815 52 13	Matt chrome	PL	G24d-1	13w	65,81	0,25	0,20
815 90 13	Titanium	PL	G24d-1	13w	65,81	0,25	0,20
815 01 18	White	PL	G24d-2	18w	56,95	0,25	0,20
815 03 18	Gold	PL	G24d-2	18w	65,81	0,25	0,20
815 05 18	Chrome	PL	G24d-2	18w	65,81	0,25	0,20
815 52 18	Matt chrome	PL	G24d-2	18w	65,81	0,25	0,20
815 90 18	Titanium	PL	G24d-2	18w	65,81	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

OPTIONS LAMPS PL

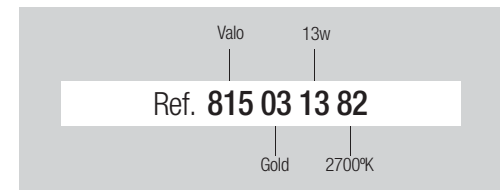
Rough price increase of control gear

Ref. BE	Electronic ballast	19,00
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OPTIONS

	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL 9w	•	•	•
PL 13w	•	•	•
PL 18w	•	•	•

Example to write a reference with options



Valo LED



Includes driver and LED 3,6w

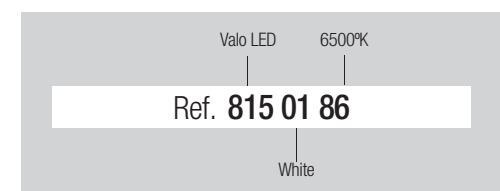
Ref.	Colour	Lamp	W	€	lum. ^{RAEE}
815 01 03	White	LED	3x1.2w	119,08	0,25
815 03 03	Gold	LED	3x1.2w	127,94	0,25
815 05 03	Chrome	LED	3x1.2w	127,94	0,25
815 52 03	Matt chrome	LED	3x1.2w	127,94	0,25
815 90 03	Titanium	LED	3x1.2w	127,94	0,25

* Supplied in a standard manner with 3300° K lamp

LED OPTIONS

	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Ejemplo para componer referencias con options



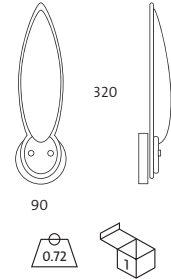
Lissoco

Protection degree IP20

Material: Steel sheet thermo painted or electrolytic coat and matt glass.
Supply: Directly connected to the 220v main.
Lamps: It uses all kinds of lamps for E-27, maximum 100w, suitable for domestic use.
Installation: Directly screw on wall (screw not included).
Colours: White, gold, chrome, matt chrome and titanium

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 817 01	White	-	E-27	Max.100w	27,01	0,25
817 03	Gold	-	E-27	Max.100w	30,67	0,25
817 05	Chrome	-	E-27	Max.100w	30,67	0,25
817 52	Matt chrome	-	E-27	Max.100w	30,67	0,25
817 90	Titanium	-	E-27	Max.100w	30,67	0,25



Glass wall light

Protection degree IP20

Material: Steel sheet thermo painted or electrolytic coat.
Optics: Matt white glass diffuser.
Supply: Directly connected to the 220v main.
Lamps: It uses all kinds of lamps for E-27, maximum 100w, suitable for domestic use.
Installation: Directly screw on wall (screw not included).
Colours: White, black, gold, matt chrome and titanium. RAL colours by request.



Wall light 25 cm 1 lamp

Without lamps

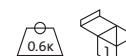
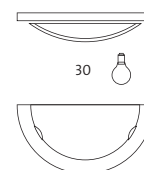
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-14 813 01	White	-	E-14	Max.100w	12,66	0,25
813 02	Black	-	E-14	Max.100w	22,76	0,25
813 03	Gold	-	E-14	Max.100w	22,76	0,25
813 52	Matt chrome	-	E-14	Max.100w	22,76	0,25
813 90	Titanium	-	E-14	Max.100w	22,76	0,25



Wall light 30 cm 1 lamp

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-14 814 01	White	-	E-14	Max.100w	14,62	0,25
814 02	Black	-	E-14	Max.100w	28,27	0,25
814 03	Gold	-	E-14	Max.100w	28,27	0,25
814 52	Matt chrome	-	E-14	Max.100w	28,27	0,25
814 90	Titanium	-	E-14	Max.100w	28,27	0,25



Timver

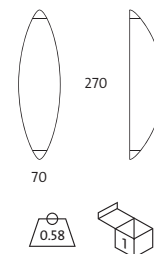
Protection degree IP20

- Material:** Steel sheet thermo painted or electrolytic coat and matt glass.
Supply: Directly connected to the 220v main.
Lamps: It uses all kinds of lamps for E-27, maximum 100w, suitable for domestic use.
Installation: Directly screw on wall (screw not included).
Colours: White, black, gold, crhome, matt chrome, nickel matt and titanium.

Without lamps

E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
816 01	White	-	E-27	Max.100w	26,55	0,25
816 02	Black	-	E-27	Max.100w	28,82	0,25
816 03	Gold	-	E-27	Max.100w	28,82	0,25
816 05	Chrome	-	E-27	Max.100w	28,82	0,25
816 52	Matt chrome	-	E-27	Max.100w	28,82	0,25
816 57	Níquel rayado	-	E-27	Max.100w	28,82	0,25
816 90	Titanium	-	E-27	Max.100w	28,82	0,25




Kuga

Protection degree IP44

- Material:** Frame made in thermo-painted steel sheet. Plastic-injected body and polycarbonate diffuser.
- Óptica:** Matt diffuser included.
- Supply:** Electronic ballast for PL lamps is included.
- Lamps:** It uses low consumption PL lamps of, suitable for domestic and commercial areas.
- Installation:** Directly screw on wall (screw not included).
- Colours:** White, black, gold, matt chrome and titanium.



Includes electronic ballast and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 3202 01 09	White	PL	G-23	9w	75,80	0,25	0,20
3202 05 09	Chrome	PL	G-23	9w	79,80	0,25	0,20
3202 52 09	Matt chrome	PL	G-23	9w	79,80	0,25	0,20
3202 90 09	Titanium	PL	G-23	9w	79,80	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL 9w	•	•	•

Kuga LED


Protection degree IP44



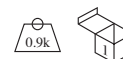
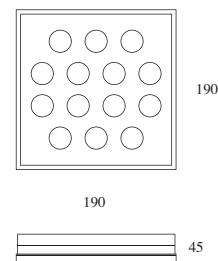
- Material:** Frame made in thermo-painted steel sheet. Plastic-injected body and polycarbonate diffuser.
- Óptica:** Optics included in LED lamps. Matt diffuser included.
- Supply:** Built-in driver for each type of lamp and wattage.
- Lamps:** LED lamps Osram Dragon-X.
- Installation:** Directly screw on wall (screw not included).
- Colours:** White, black, gold, matt chrome and titanium.



Includes driver and LED lamp 21,6W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3202 01	White	LED	21,6w	228,20	0,25
	3202 05	Chrome	LED	21,6w	240,60	0,25
	3202 52	Matt chrome	LED	21,6w	240,60	0,25
	3202 90	Titanium	LED	21,6w	240,60	0,25

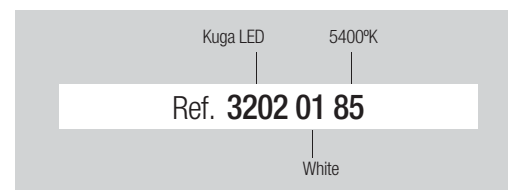
* Supplied in a standard manner with LED 6500° K lamp



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Rough price increase of accessories	€
Ref. 3208 LED Red	66,00
Ref. 3209 LED Green	66,00
Ref. 3210 LED Blue	66,00

Example to write a reference with options



Glass soffit

Protection degree IP20

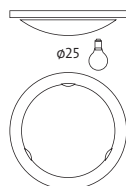
- Material:** Steel sheet thermo painted or electrolytic coat.
- Optics:** Matt white glass diffuser.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses E-27 lamps.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White, black, gold, matt chrome and titanium. RAL colours by request.



Soffit 25 cm 1 lamp

Without lamps

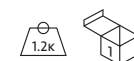
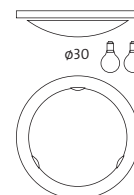
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-14 810 01	White	-	E-14	Max.100w	14,52	0,25
810 02	Black	-	E-14	Max.100w	27,91	0,25
810 03	Gold	-	E-14	Max.100w	27,91	0,25
810 52	Matt chrome	-	E-14	Max.100w	27,91	0,25
810 90	Titanium	-	E-14	Max.100w	27,91	0,25



Soffit 30 cm 2 lamps

Without lamps

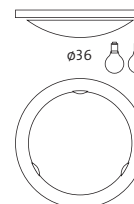
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-14 811 01	White	-	E-14	Max.100w	17,81	0,25
811 02	Black	-	E-14	Max.100w	34,79	0,25
811 03	Gold	-	E-14	Max.100w	34,79	0,25
811 52	Matt chrome	-	E-14	Max.100w	34,79	0,25
811 90	Titanium	-	E-14	Max.100w	34,79	0,25



Soffit 36 cm 2 lamps

Without lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-14 812 01	White	-	E-14	Max.100w	21,42	0,25
812 02	Black	-	E-14	Max.100w	38,41	0,25
812 03	Gold	-	E-14	Max.100w	38,41	0,25
812 52	Matt chrome	-	E-14	Max.100w	38,41	0,25
812 90	Titanium	-	E-14	Max.100w	38,41	0,25





Bravia surface

Protection degree IP20

- Material:** Aluminium and methacrylate.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** Natural aluminium and methacrylate.



Bravia surface square

Includes GU-10 lampholder

Ref.	Colour	Lamp	L/H	W	€
1044GU 00	Natural Al.	-	GU-10	-	59,94

Includes DIRECT lamp 220v GU-10

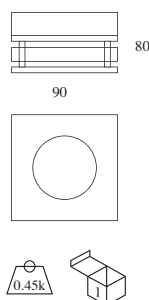
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1044U 00	Natural Al.	220v50w	GU-10	50w	62,52	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1044L 00 07	Natural Al.	LED	GU-10	7w	108,19	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp



Bravia surface circular

Includes GU5.3 lampholder

Ref.	Colour	Lamp	L/H	W	€
1043 00	Natural Al.	-	GU5.3	-	57,68

Includes lampholder GU-10

Ref.	Colour	Lamp	L/H	W	€
1043GU 00	Natural Al.	-	GU-10	-	59,01

Includes DIRECT lamp 220v GU-10

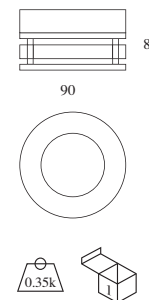
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1043U 00	Natural Al.	220v50w	GU-10	50w	61,59	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1043L 00 07	Natural Al.	LED	GU-10	7w	107,26	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp



Fixed surface GU-10

Protection degree IP20

- Material:** Steel sheet thermo painted or electrolytic coat.
Optics: Optics incorporated in the lamps.
Supply: Directly connected to the 220v main.
Lamps: It uses halogen GU-10 lamps, suitable for domestic or commercial use.
Installation: Directly screw on ceiling (screw not included).
Colours: White, black, gold, croma, matt chrome and titanium. RAL colours by request.



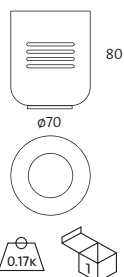
Includes HALOGEN lamp GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
296 01 50	White	220v50w	GU-10	50w	29,97	0,25
296 02 50	Black	220v50w	GU-10	50w	35,12	0,25
296 03 50	Gold	220v50w	GU-10	50w	35,12	0,25
296 05 50	Chrome	220v50w	GU-10	50w	35,12	0,25
296 52 50	Matt chrome	220v50w	GU-10	50w	35,12	0,25
296 90 50	Titanium	220v50w	GU-10	50w	35,12	0,25

* Supplied in a standard manner with 40° opening lamp

* Supplied in a standard manner with 4000° K lamp



Includes LED lamp 7w



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
296 01 07	White	LED	GU-10	7w	99,90	0,25
296 02 07	Black	LED	GU-10	7w	137,10	0,25
296 03 07	Gold	LED	GU-10	7w	137,10	0,25
296 05 07	Chrome	LED	GU-10	7w	137,10	0,25
296 52 07	Matt chrome	LED	GU-10	7w	137,10	0,25
296 90 07	Titanium	LED	GU-10	7w	137,10	0,25


* Supplied in a standard manner with 3000° K dimmable lamp

Adjustable surface

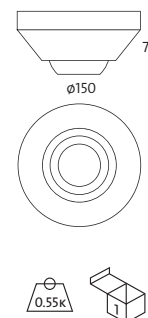
Protection degree IP20

- Material:** Steel sheet thermo painted or electrolytic coat.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses halogen GU-10 lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White, black, gold, chrome, matt chrome and titanium. RAL colours by request.


Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 208 01 50	White	12v220v	GU5.3	50w	59,11	0,25
208 02 50	Black	12v220v	GU5.3	50w	67,47	0,25
208 03 50	Gold	12v220v	GU5.3	50w	67,47	0,25
208 05 50	Chrome	12v220v	GU5.3	50w	67,47	0,25
208 52 50	Matt chrome	12v220v	GU5.3	50w	67,47	0,25
208 90 50	Titanium	12v220v	GU5.3	50w	67,47	0,25


* Supplied in a standard manner with 36° opening lamp



Includes driver and MR16 LED RGB lamp


Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
 LED 208L 01 03	White	LED	GU5.3	3w	110,50	0,25	0,20
208L 02 03	Black	LED	GU5.3	3w	118,87	0,25	0,20
208L 03 03	Gold	LED	GU5.3	3w	118,87	0,25	0,20
208L 05 03	Chrome	LED	GU5.3	3w	118,87	0,25	0,20
208L 52 03	Matt chrome	LED	GU5.3	3w	118,87	0,25	0,20
208L 90 03	Titanium	LED	GU5.3	3w	118,87	0,25	0,20

Includes driver and LED lamp 5w

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
 LED 208L 01 05	White	LED	GU5.3	5w	99,01	0,25	0,20
208L 02 05	Black	LED	GU5.3	5w	107,37	0,25	0,20
208L 03 05	Gold	LED	GU5.3	5w	107,37	0,25	0,20
208L 05 05	Chrome	LED	GU5.3	5w	107,37	0,25	0,20
208L 52 05	Matt chrome	LED	GU5.3	5w	107,37	0,25	0,20
208L 90 05	Titanium	LED	GU5.3	5w	107,37	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
 LED 208L 01 07	White	LED	GU5.3	7w	113,10	0,25	0,20
208L 02 07	Black	LED	GU5.3	7w	121,24	0,25	0,20
208L 03 07	Gold	LED	GU5.3	7w	121,24	0,25	0,20
208L 05 07	Chrome	LED	GU5.3	7w	121,24	0,25	0,20
208L 52 07	Matt chrome	LED	GU5.3	7w	121,24	0,25	0,20
208L 90 07	Titanium	LED	GU5.3	7w	121,24	0,25	0,20

* Supplied in a standard manner with 3000° K lamp



Rough price increase of accessories

Ref.	Controller for MR16 LED RGB	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Soffit and strip

Protection degree IP20

- Material:** Steel sheet thermo painted or electrolytic coat.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses dichroic halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White, black, gold, grafito, chrome, matt chrome and titanium. .



Soffit 1 lamp

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
231 01 50	White	12v50w	GU5.3	50w	44,94	0,25
231 02 50	Black	12v50w	GU5.3	50w	51,31	0,25
231 03 50	Gold	12v50w	GU5.3	50w	51,31	0,25
231 04 50	Grafito	12v50w	GU5.3	50w	51,31	0,25
231 05 50	Cromado	12v50w	GU5.3	50w	51,31	0,25
231 52 50	Matt chrome	12v50w	GU5.3	50w	51,31	0,25
231 90 50	Titanium	12v50w	GU5.3	50w	51,31	0,25

* Supplied in a standard manner with 36° opening lamp

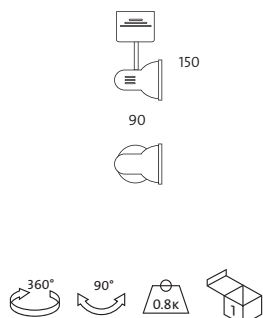
Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
231L 01 05	White	LED	GU5.3	5w	89,54	0,25	0,20
231L 02 05	Black	LED	GU5.3	5w	95,91	0,25	0,20
231L 03 05	Gold	LED	GU5.3	5w	95,91	0,25	0,20
231L 04 05	Grafito	LED	GU5.3	5w	95,91	0,25	0,20
231L 05 05	Cromado	LED	GU5.3	5w	95,91	0,25	0,20
231L 52 05	Matt chrome	LED	GU5.3	5w	95,91	0,25	0,20
231L 90 05	Titanium	LED	GU5.3	5w	95,91	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
231L 01 03	White	LED	GU5.3	3w	96,34	0,25	0,20
231L 02 03	Black	LED	GU5.3	3w	102,71	0,25	0,20
231L 03 03	Gold	LED	GU5.3	3w	102,71	0,25	0,20
231L 04 03	Grafito	LED	GU5.3	3w	102,71	0,25	0,20
231L 05 03	Cromado	LED	GU5.3	3w	102,71	0,25	0,20
231L 52 03	Matt chrome	LED	GU5.3	3w	102,71	0,25	0,20
231L 90 03	Titanium	LED	GU5.3	3w	102,71	0,25	0,20



Strip 2 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
232 01 50	White	12v50w	GU5.3	50w	67,50	0,25
232 02 50	Black	12v50w	GU5.3	50w	86,93	0,25
232 03 50	Gold	12v50w	GU5.3	50w	86,93	0,25
232 04 50	Grafito	12v50w	GU5.3	50w	86,93	0,25
232 05 50	Chrome	12v50w	GU5.3	50w	86,93	0,25
232 52 50	Matt chrome	12v50w	GU5.3	50w	86,93	0,25
232 90 50	Titanium	12v50w	GU5.3	50w	86,93	0,25

* Supplied in a standard manner with 36° opening lamp

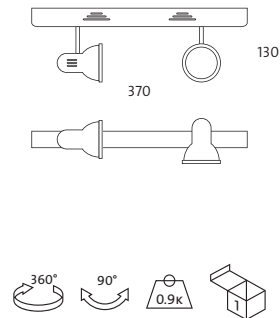
Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
232L 01 05	White	LED	GU5.3	5w	156,70	0,25	0,40
232L 02 05	Black	LED	GU5.3	5w	176,13	0,25	0,40
232L 03 05	Gold	LED	GU5.3	5w	176,13	0,25	0,40
232L 04 05	Grafito	LED	GU5.3	5w	176,13	0,25	0,40
232L 05 05	Cromado	LED	GU5.3	5w	176,13	0,25	0,40
232L 52 05	Matt chrome	LED	GU5.3	5w	176,13	0,25	0,40
232L 90 05	Titanium	LED	GU5.3	5w	176,13	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
232L 01 03	White	LED	GU5.3	3w	170,30	0,25	0,40
232L 02 03	Black	LED	GU5.3	3w	189,72	0,25	0,40
232L 03 03	Gold	LED	GU5.3	3w	189,72	0,25	0,40
232L 04 03	Grafito	LED	GU5.3	3w	189,72	0,25	0,40
232L 05 03	Cromado	LED	GU5.3	3w	189,72	0,25	0,40
232L 52 03	Matt chrome	LED	GU5.3	3w	189,72	0,25	0,40
232L 90 03	Titanium	LED	GU5.3	3w	189,72	0,25	0,40



Strip 3 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
233 01 50	White	12v50w	GU5.3	50w	104,94	0,25
233 02 50	Black	12v50w	GU5.3	50w	122,71	0,25
233 03 50	Gold	12v50w	GU5.3	50w	122,71	0,25
233 04 50	Grafito	12v50w	GU5.3	50w	122,71	0,25
233 05 50	Cromado	12v50w	GU5.3	50w	122,71	0,25
233 52 50	Matt chrome	12v50w	GU5.3	50w	122,71	0,25
233 90 50	Titanium	12v50w	GU5.3	50w	122,71	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W



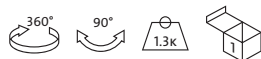
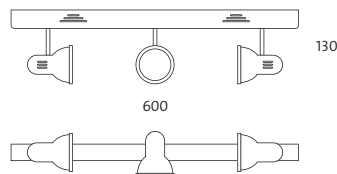
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
233L 01 05	White	LED	GU5.3	5w	238,71	0,25 0,60
233L 02 05	Black	LED	GU5.3	5w	256,51	0,25 0,60
233L 03 05	Gold	LED	GU5.3	5w	256,51	0,25 0,60
233L 04 05	Grafito	LED	GU5.3	5w	256,51	0,25 0,60
233L 05 05	Cromado	LED	GU5.3	5w	256,51	0,25 0,60
233L 52 05	Matt chrome	LED	GU5.3	5w	256,51	0,25 0,60
233L 90 05	Titanium	LED	GU5.3	5w	256,51	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
233L 01 03	White	LED	GU5.3	3w	259,10	0,25 0,60
233L 02 03	Black	LED	GU5.3	3w	276,90	0,25 0,60
233L 03 03	Gold	LED	GU5.3	3w	276,90	0,25 0,60
233L 04 03	Grafito	LED	GU5.3	3w	276,90	0,25 0,60
233L 05 03	Cromado	LED	GU5.3	3w	276,90	0,25 0,60
233L 52 03	Matt chrome	LED	GU5.3	3w	276,90	0,25 0,60
233L 90 03	Titanium	LED	GU5.3	3w	276,90	0,25 0,60



Rough price increase of accessories

Ref.	Description	€
3080	Controller for MR16 LED RGB	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Soffit 3 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
243 01 50	White	12v50w	GU5.3	50w	115,19	0,25
243 02 50	Black	12v50w	GU5.3	50w	130,54	0,25
243 03 50	Gold	12v50w	GU5.3	50w	130,54	0,25
243 04 50	Grafito	12v50w	GU5.3	50w	130,54	0,25
243 05 50	Cromado	12v50w	GU5.3	50w	130,54	0,25
243 52 50	Matt chrome	12v50w	GU5.3	50w	130,54	0,25
243 90 50	Titanium	12v50w	GU5.3	50w	130,54	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W



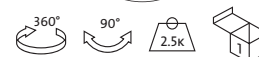
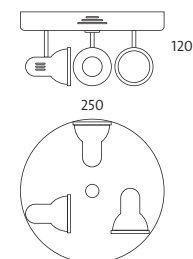
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
243L 01 05	White	LED	GU5.3	5w	248,99	0,25 0,60
243L 02 05	Black	LED	GU5.3	5w	264,33	0,25 0,60
243L 03 05	Gold	LED	GU5.3	5w	264,33	0,25 0,60
243L 04 05	Grafito	LED	GU5.3	5w	264,33	0,25 0,60
243L 05 05	Cromado	LED	GU5.3	5w	264,33	0,25 0,60
243L 52 05	Matt chrome	LED	GU5.3	5w	264,33	0,25 0,60
243L 90 05	Titanium	LED	GU5.3	5w	264,33	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

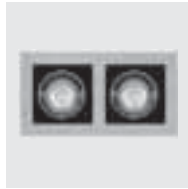
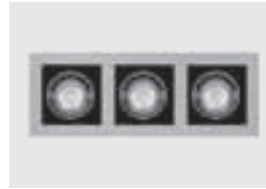
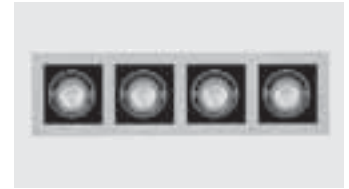
Includes driver and MR16 LED RGB lamp

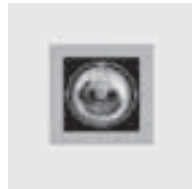
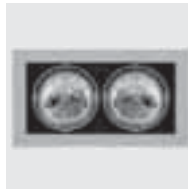


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
243L 01 03	White	LED	GU5.3	3w	269,38	0,25 0,60
243L 02 03	Black	LED	GU5.3	3w	284,73	0,25 0,60
243L 03 03	Gold	LED	GU5.3	3w	284,73	0,25 0,60
243L 04 03	Grafito	LED	GU5.3	3w	284,73	0,25 0,60
243L 05 03	Cromado	LED	GU5.3	3w	284,73	0,25 0,60
243L 52 03	Matt chrome	LED	GU5.3	3w	284,73	0,25 0,60
243L 90 03	Titanium	LED	GU5.3	3w	284,73	0,25 0,60



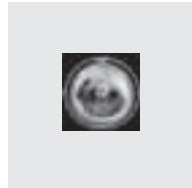
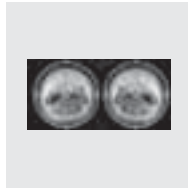
Minicom

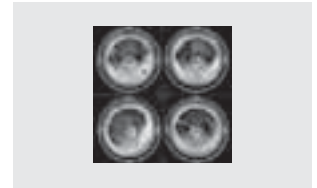

 Minicom 1 dichroic
 Minicom 1 LED
 Minicom 1 LED RGB **86**

 Minicom 2 dichroic
 Minicom 2 LED
 Minicom 2 LED RGB **86**

 Minicom 3 dichroic
 Minicom 3 LED
 Minicom 3 LED RGB **87**

 Minicom 4 dichroic
 Minicom 4 LED
 Minicom 4 LED RGB **87**
Eurocom


 Eurocom 1 QR-111
 Eurocom 1 LED-111 **88**

 Eurocom 2 QR-111
 Eurocom 2 LED-111 **88**

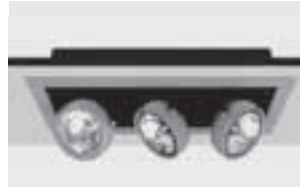
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 Eurocom 3 LED-111 **88**

 Eurocom 4 QR-111
 Eurocom 4 LED-111 **88**
Eurocom frameless


 Eurocom frameless
 1 QR-111 / 1 LED-111
 1 CDM-R 111 **90**

 Eurocom frameless
 2 QR-111 / 2 LED-111
 2 CDM-R 111 **90**

 Eurocom frameless 3 QR-111
 Eurocom frameless 3 LED-111
 Eurocom frameless 3 CDM-R 111 **90**

 Eurocom frameless 4 QR-111
 Eurocom frameless 4 LED-111
 Eurocom frameless 4 CDM-R 111 **90**
Diricom


 Diricom 1 QR-111
 Diricom 1 LED-111
 Diricom 1 CDM-R 111 **92**

 Diricom 2 QR-111
 Diricom 2 LED-111
 Diricom 2 CDM-R 111 **92**

 Diricom 3 QR-111
 Diricom 3 LED-111
 Diricom 3 CDM-R 111 **93**

 Diricom 4 QR-111
 Diricom 4 LED-111
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Eurocombi


 Eurocombi 1 PLT **94**

 Eurocombi PLT+QR
 Eurocombi PLT+LED **94**

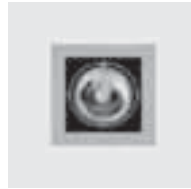
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 Eurocombi PLT+2LED **95**

 Eurocombi 2PLT+QR
 Eurocombi 2PLT+LED **97**

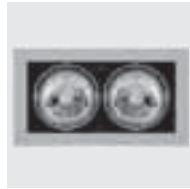
 Eurocombi PLT+3QR
 Eurocombi PLT+3LED **99**

 Eurocombi 2PLT+2QR
 Eurocombi 2PLT+2LED **101**

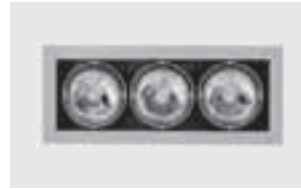
Lecom CDM-R111



Lecom 1 CDM-R 111 **102**



Lecom 2 CDM-R 111 **102**

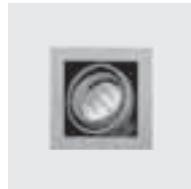


Lecom 3 CDM-R 111 **102**



Lecom 4 CDM-R 111 **102**

Lecom HQ/E-27/PAR30



Lecom 1 HQI **104**
Lecom 1 E-27 HQI
Lecom 1 PAR30
Lecom 1 PAR30 LED



Lecom 2 HQI **104**
Lecom 2 E-27 HQI
Lecom 2 PAR30
Lecom 2 PAR30 LED



Lecom 3 HQI **104**
Lecom 3 E-27 HQI
Lecom 3 PAR30
Lecom 3 PAR30 LED



Lecom 4 HQI **104**
Lecom 4 E-27 HQI
Lecom 4 PAR30
Lecom 4 PAR30 LED

Recessed Fried



Recessed Fried 745, Recessed Fried 940,
Recessed Fried 1500, Recessed Fried 1700 **106**

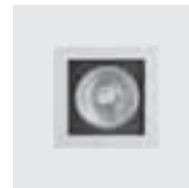
Nogo / Wok



Nogo CDM-R 111 **108**
Nogo LED 111
Nogo QR 111



Wok asymmetric dichr. **109**
Wok asymmetric LED
Wok asymmetric LED RGB



Wok dichroic **109**
Wok LED
Wok LED MR16 RGB

Modus / Épica



Modus **110**

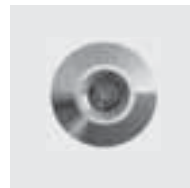


Épica **111**

Boxter / Colver



Boxter **111**



Colver **111**

**Recessed 50mm
aluminium**

 Ad. square alum. dicr. **113**
 Ad. square alum. LED
 Ad. square alum. LED RGB

 Ad. circ. alum. dicr. **114**
 Ad. circ. alum. LED
 Ad. circ. alum. LED RGB

 Cibolin dichroic **115**
 Cibolin GU-10
 Cibolin LED
 Cibolin LED MR16 RGB

 Logic square dichroic **116**
 Logic square LED
 Logic square LED RGB

 Logic dichroic **116**
 Logic LED
 Logic LED RGB

 Logic basic dichroic **117**
 Logic basic LED
 Logic basic LED RGB

 Bravia square dicr. **119**
 Bravia square GU-10
 Bravia square LED
 Bravia square LED RGB

 Bravia circ. dicr. **119**
 Bravia circ. GU-10
 Bravia circ. LED 2/5/7w
 Bravia circ. LED RGB

**Recessed 50mm
zamak**

 Square zamak dicr. **120**
 Square zamak GU-10
 Square zamak LED
 Square zamak LED RGB

 Star zamak dicr. **121**
 Star zamak GU-10
 Star zamak LED
 Star zamak LED RGB

 Basic zamak dicr. **122**
 Basic zamak GU-10
 Basic zamak LED
 Basic zamak LED RGB

 Fixed zamak dicr. **123**
 Fixed zamak GU-10
 Fixed zamak LED
 Fixed zamak LED RGB

**Recessed 50mm
steel sheet**

 Fixed w. edge dichroic **128**
 Fixed w. edge GU-10
 Fixed w. edge LED
 Fixed w. edge LED RGB

 Adjustable dichroic **125**
 Adjustable GU-10
 Adjustable LED
 Adjustable LED RGB

 Oscillating dichroic **126**
 Oscillating GU-10
 Oscillating LED
 Oscillating LED RGB

 Fixed circ. dichroic **127**
 Fixed circ. GU-10
 Fixed circ. LED
 Fixed circ. LED RGB

**Recessed 50mm
other materials**

 Adjust. glass dicr. **128**
 Adjust. glass LED
 Adjust. glass LED RGB

 Oscillating glass dicr. **129**
 Oscillating crist. LED
 Oscillating glass LED RGB

 Fixed glass dicr. **131**
 Fixed glass LED
 Fixed glass LED RGB

 Adjust. wood dicr. **133**
 Adjust. wood GU-10
 Ad. wood LED
 Ad. wood LED RGB

Other luminaries



Kan dichroic
Kan LED
Kan LED MR16 RGB

135



Miniducto halogen

136



Ad. rectan. alu. halogen
Ad. rectan. alu. HQI

136



Fixed HQI aluminium

137



Fixed HQI asymmetric

137



Adjust. HQI aluminium

138



Adjustable sodio

139



Adjustable circ. R50
Adjustable circ. R50 LED

140



Fixed circ. R50
Fixed circ. R50 LED

140



Adjustable circ. R63
Adjustable circ. R63 LED

141



Fixed R63
Fixed R63 LED
Fixed R80/R90

141

142



Fixed PAR20

143



Fixed PAR30/PAR38

143

Wall Recessed



Nunak vertical
Nunak vertical LED

144



Nunak horizontal
Nunak horizontal LED

144



Kosten rectangular
Kosten rect. LED 3.6w

147



Kosten square

147

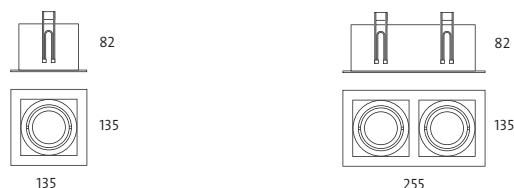




Minicom

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps, each lamp is adjustable independently with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models
- Lamps:** The series of MINICOM lightings use halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings. Supplied in matt white, as an option, in chrome matt or different options by request.



Minicom 1 lamp

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
091 01 50	White	12v50w	GU5.3	50w	45,64	0,25
091 02 50	Black int. rings	12v50w	GU5.3	50w	47,01	0,25
091 90 50	Titanium int. rings	12v50w	GU5.3	50w	47,01	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
091L 01 05	White	LED	GU5.3	5w	90,24	0,25 0,20
091L 02 05	Black int. rings	LED	GU5.3	5w	92,95	0,25 0,20
091L 90 05	Titanium int. rings	LED	GU5.3	5w	92,95	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
091L 01 07	White	LED	GU5.3	7w	104,60	0,25 0,20
091L 02 07	Black int. rings	LED	GU5.3	7w	114,80	0,25 0,20
091L 90 07	Titanium int. rings	LED	GU5.3	7w	114,80	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
091L 10 01 07	White	LED	GU-10	7w	93,89	0,25 0,20
091L 10 02 07	Black int. rings	LED	GU-10	7w	96,59	0,25 0,20
091L 10 90 07	Titanium int. rings	LED	GU-10	7w	96,59	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
091L 01 03	White	LED	GU5.3	3w	97,04	0,25 0,20
091L 02 03	Black int. rings	LED	GU5.3	3w	99,95	0,25 0,20
091L 90 03	Titanium int. rings	LED	GU5.3	3w	99,95	0,25 0,20



Minicom 2 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
092 01 50	White	12v50w	GU5.3	2x50w	71,31	0,25
092 02 50	Black int. rings	12v50w	GU5.3	2x50w	73,44	0,25
092 90 50	Titanium int. rings	12v50w	GU5.3	2x50w	73,44	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
092L 01 05	White	LED	GU5.3	2x5w	160,51	0,25 0,40
092L 02 05	Black int. rings	LED	GU5.3	2x5w	165,33	0,25 0,40
092L 90 05	Titanium int. rings	LED	GU5.3	2x5w	165,33	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
092L 01 07	White	LED	GU5.3	2x7w	189,80	0,25 0,40
092L 02 07	Black int. rings	LED	GU5.3	2x7w	194,50	0,25 0,40
092L 90 07	Titanium int. rings	LED	GU5.3	2x7w	194,50	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
092L 10 01 07	White	LED	GU-10	2x7w	158,90	0,25 0,40
092L 10 02 07	Black int. rings	LED	GU-10	2x7w	163,40	0,25 0,40
092L 10 90 07	Titanium int. rings	LED	GU-10	2x7w	163,40	0,25 0,40

* Supplied in a standard manner with 3000° K dimmable lamp

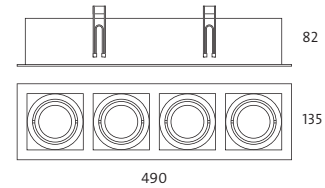
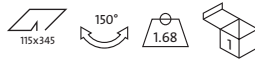
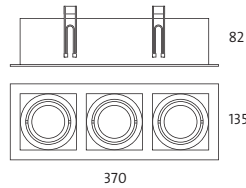
Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
092L 01 03	White	LED	GU5.3	2x3w	174,11	0,25 0,40
092L 02 03	Black int. rings	LED	GU5.3	2x3w	179,33	0,25 0,40
092L 90 03	Titanium int. rings	LED	GU5.3	2x3w	179,33	0,25 0,40



Ref.	Rough price increase of accesories	€
3080	Controller for MR16 LED RGB	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Minicom 3 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
093 01 50	White	12v50w	GU5.3	3x50w	100,40	0,25
093 02 50	Black int. rings	12v50w	GU5.3	3x50w	103,41	0,25
093 90 50	Titanium int. rings	12v50w	GU5.3	3x50w	103,41	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
093L 01 05	White	LED	GU5.3	3x5w	234,20	0,25 0,60
093L 02 05	Black int. rings	LED	GU5.3	3x5w	241,22	0,25 0,60
093L 90 05	Titanium int. rings	LED	GU5.3	3x5w	241,22	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
093L 01 07	White	LED	GU5.3	3x7w	279,10	0,25 0,60
093L 02 07	Black int. rings	LED	GU5.3	3x7w	285,20	0,25 0,60
093L 90 07	Titanium int. rings	LED	GU5.3	3x7w	285,20	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
093L 10 01 07	White	LED	GU-10	3x7w	227,34	0,25 0,60
093L 10 02 07	Black int. rings	LED	GU-10	3x7w	234,36	0,25 0,60
093L 10 90 07	Titanium int. rings	LED	GU-10	3x7w	234,36	0,25 0,60

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
093L 01 03	White	LED	GU5.3	3x3w	254,59	0,25 0,60
093L 02 03	Black int. rings	LED	GU5.3	3x3w	262,22	0,25 0,60
093L 90 03	Titanium int. rings	LED	GU5.3	3x3w	262,22	0,25 0,60



Minicom 4 lamps

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
094 01 50	White	12v50w	GU5.3	4x50w	132,49	0,25
094 02 50	Black int. rings	12v50w	GU5.3	4x50w	136,46	0,25
094 90 50	Titanium int. rings	12v50w	GU5.3	4x50w	136,46	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
094L 01 05	White	LED	GU5.3	4x5w	310,89	0,25 0,80
094L 02 05	Black int. rings	LED	GU5.3	4x5w	320,21	0,25 0,80
094L 90 05	Titanium int. rings	LED	GU5.3	4x5w	320,21	0,25 0,80

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
094L 01 07	White	LED	GU5.3	4x7w	369,20	0,25 0,80
094L 02 07	Black int. rings	LED	GU5.3	4x7w	369,20	0,25 0,80
094L 90 07	Titanium int. rings	LED	GU5.3	4x7w	369,20	0,25 0,80

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
094L 10 01 07	White	LED	GU-10	4x7w	298,76	0,25 0,80
094L 10 02 07	Black int. rings	LED	GU-10	4x7w	308,10	0,25 0,80
094L 10 90 07	Titanium int. rings	LED	GU-10	4x7w	308,10	0,25 0,80

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
094L 01 03	White	LED	GU5.3	4x3w	286,69	0,25 0,80
094L 02 03	Black int. rings	LED	GU5.3	4x3w	295,29	0,25 0,80
094L 90 03	Titanium int. rings	LED	GU5.3	4x3w	295,29	0,25 0,80



Rough price increase of accessories

Ref.	Description	€
3080	Controller for MR16 LED RGB	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.


Eurocom

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps, Each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models
- Lamps:** The series of MINICOM lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different options by request.


Eurocom 1 lamp

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 105 02 35CP	Black int. rings	QR-111	G53	1x35w	78,21	0,25
105 90 35CP	Titanium int. rings	QR-111	G53	1x35w	78,21	0,25
105 02 50CP	Black int. rings	QR-111	G53	1x50w	78,21	0,25
105 90 50CP	Titanium int. rings	QR-111	G53	1x50w	78,21	0,25
105 02 60CP	Black int. rings	QR-111	G53	1x60w	94,71	0,25
105 90 60CP	Titanium int. rings	QR-111	G53	1x60w	94,71	0,25
105 02 75CP	Black int. rings	QR-111	G53	1x75w	94,71	0,25
105 90 75CP	Titanium int. rings	QR-111	G53	1x75w	94,71	0,25
105 02 10CP	Black int. rings	QR-111	G53	1x100w	94,71	0,25
105 90 10CP	Titanium int. rings	QR-111	G53	1x100w	94,71	0,25

* Supplied in a standard manner with maximum lamp level.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 105L 02 12	Black int. rings	LED	G53	1x12w	175,14	0,25 0,20
105L 90 12	Titanium int. rings	LED	G53	1x12w	175,14	0,25 0,20


* Supplied in a standard manner with 3100° K lamp

Rough price increase of accessories

Ref.	€
DR1 Dimmable driver for LED lamp -111	116,80


Eurocom 2 lamps

Includes electronic transformers and QR-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 106 02 35CP	Black int. rings	QR-111	G53	2x35w	143,01	0,50
106 90 35CP	Titanium int. rings	QR-111	G53	2x35w	143,01	0,50
106 02 50CP	Black int. rings	QR-111	G53	2x50w	143,01	0,50
106 90 50CP	Titanium int. rings	QR-111	G53	2x50w	143,01	0,50
106 02 60CP	Black int. rings	QR-111	G53	2x60w	181,05	0,50
106 90 60CP	Titanium int. rings	QR-111	G53	2x60w	181,05	0,50
106 02 75CP	Black int. rings	QR-111	G53	2x75w	181,05	0,50
106 90 75CP	Titanium int. rings	QR-111	G53	2x75w	181,05	0,50
106 02 10CP	Black int. rings	QR-111	G53	2x100w	181,05	0,50
106 90 10CP	Titanium int. rings	QR-111	G53	2x100w	181,05	0,50

* Supplied in a standard manner with maximum lamp level.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 106L 02 12	Black int. rings	LED	G53	2x12w	334,80	0,50 0,40
106L 90 12	Titanium int. rings	LED	G53	2x12w	334,80	0,50 0,40


* Supplied in a standard manner with 3100° K lamp

Rough price increase of accessories

Ref.	€
DR2 Dimmable driver for LED lamp -111	210,24


Eurocom 3 lamps

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 107 02 35CP	Black int. rings	QR-111	G53	3x35w	196,60	0,50
107 90 35CP	Titanium int. rings	QR-111	G53	3x35w	196,60	0,50
107 02 50CP	Black int. rings	QR-111	G53	3x50w	196,60	0,50
107 90 50CP	Titanium int. rings	QR-111	G53	3x50w	196,60	0,50
107 02 60CP	Black int. rings	QR-111	G53	3x60w	259,19	0,50
107 90 60CP	Titanium int. rings	QR-111	G53	3x60w	259,19	0,50
107 02 75CP	Black int. rings	QR-111	G53	3x75w	259,19	0,50
107 90 75CP	Titanium int. rings	QR-111	G53	3x75w	259,19	0,50
107 02 10CP	Black int. rings	QR-111	G53	3x100w	259,19	0,50
107 90 10CP	Titanium int. rings	QR-111	G53	3x100w	259,19	0,50

* Supplied in a standard manner with maximum lamp level.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 107L 02 12	Black int. rings	LED	G53	3x12w	484,28	0,50 0,60
107L 90 12	Titanium int. rings	LED	G53	3x12w	484,28	0,50 0,60


* Supplied in a standard manner with 3100° K lamp

Rough price increase of accessories

Ref.	€
DR3 Dimmable driver for LED lamp -111	290,60


Eurocom 4 lamps

Includes electronic transformers and QR-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 108 02 35CP	Black int. rings	QR-111	G53	4x35w	274,37	0,50
108 90 35CP	Titanium int. rings	QR-111	G53	4x35w	274,37	0,50
108 02 50CP	Black int. rings	QR-111	G53	4x50w	274,37	0,50
108 90 50CP	Titanium int. rings	QR-111	G53	4x50w	274,37	0,50
108 02 60CP	Black int. rings	QR-111	G53	4x60w	329,72	0,50
108 90 60CP	Titanium int. rings	QR-111	G53	4x60w	329,72	0,50
108 02 75CP	Black int. rings	QR-111	G53	4x75w	329,72	0,50
108 90 75CP	Titanium int. rings	QR-111	G53	4x75w	329,72	0,50
108 02 10CP	Black int. rings	QR-111	G53	4x100w	329,72	0,50
108 90 10CP	Titanium int. rings	QR-111	G53	4x100w	329,72	0,50

* Supplied in a standard manner with maximum lamp level.

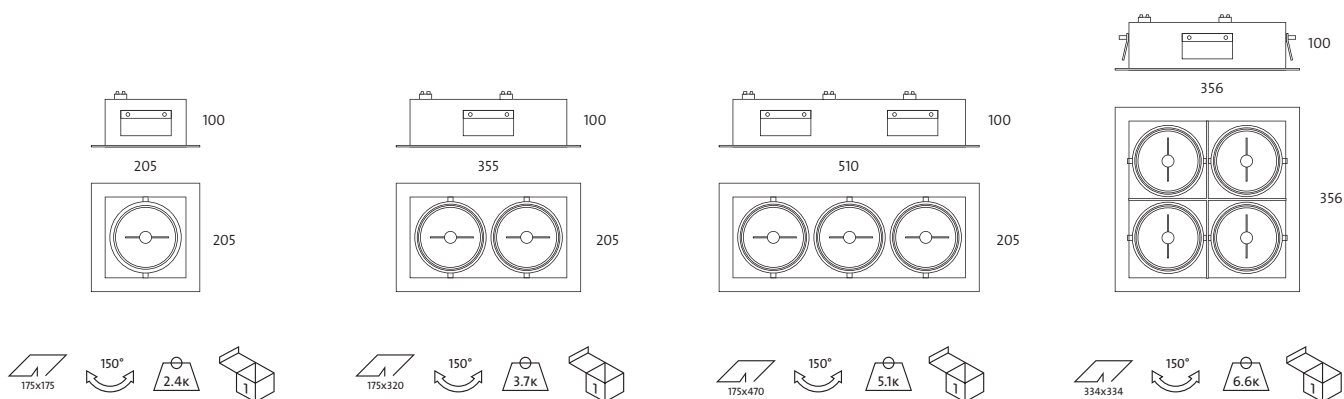
Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 108L 02 12	Black int. rings	LED	G53	4x12w	657,94	0,50 0,80
108L 90 12	Titanium int. rings	LED	G53	4x12w	657,94	0,50 0,80

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accessories

Ref.	€
DR4 Dimmable driver for LED lamp -111	372,00



OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Example to write a reference with options

Eurocom 3 lamps 50w

Ref. 107 02 50CP 24

Black int. rings 24° Bevel

Eurocom frameless


Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps. Each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models
- Lamps:** The series of EUROCOM frameless ightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different options by request.




Eurocom frameless 1 lamp

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 101 02 01 35	Black int.	QR-111	G53	1x35w	82,50	0,25
101 90 01 35	Titanium int.	QR-111	G53	1x35w	82,50	0,25
101 02 01 50	Black int.	QR-111	G53	1x50w	82,50	0,25
101 90 01 50	Titanium int.	QR-111	G53	1x50w	82,50	0,25
101 02 01 60	Black int.	QR-111	G53	1x60w	99,50	0,25
101 90 01 60	Titanium int.	QR-111	G53	1x60w	99,50	0,25
101 02 01 75	Black int.	QR-111	G53	1x75w	99,50	0,25
101 90 01 75	Titanium int.	QR-111	G53	1x75w	99,50	0,25
101 02 01 10	Black int.	QR-111	G53	1x100w	99,50	0,25
101 90 01 10	Titanium int.	QR-111	G53	1x100w	99,50	0,25

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 101L 02 01 12	Black int.	LED	G53	1x12w	185,40	0,25 0,20
101L 90 01 12	Titanium int.	LED	G53	1x12w	185,40	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accesories

Ref. DR1	Dimmable driver for LED lamp -111	€	116,80
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Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 102 02 01 35	Black int.	CDM-R 111	GX8.5	35w	260,80	0,25 0,30
102 90 01 35	Titanium int.	CDM-R 111	GX8.5	35w	260,80	0,25 0,30
102 02 01 70	Black int.	CDM-R 111	GX8.5	70w	262,50	0,25 0,30
102 90 01 70	Titanium int.	CDM-R 111	GX8.5	70w	262,50	0,25 0,30


* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp




Eurocom frameless 2 lamps

Includes electronic transformers and QR-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 101 02 02 35	Black int.	QR-111	G53	2x35w	151,30	0,50
101 90 02 35	Titanium int.	QR-111	G53	2x35w	151,30	0,50
101 02 02 50	Black int.	QR-111	G53	2x50w	151,30	0,50
101 90 02 50	Titanium int.	QR-111	G53	2x50w	151,30	0,50
101 02 02 60	Black int.	QR-111	G53	2x60w	190,60	0,50
101 90 02 60	Titanium int.	QR-111	G53	2x60w	190,60	0,50
101 02 02 75	Black int.	QR-111	G53	2x75w	190,60	0,50
101 90 02 75	Titanium int.	QR-111	G53	2x75w	190,60	0,50
101 02 02 10	Black int.	QR-111	G53	2x100w	190,60	0,50
101 90 02 10	Titanium int.	QR-111	G53	2x100w	190,60	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 101L 02 02 12	Black int.	LED	G53	2x12w	354,30	0,50 0,40
101L 90 02 12	Titanium int.	LED	G53	2x12w	354,30	0,50 0,40

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accesories

Ref. DR2	Dimmable driver for LED lamp -111	€	210,24
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Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 102 02 02 35	Black int.	CDM-R 111	GX8.5	2x35w	483,20	0,50 0,60
102 90 02 35	Titanium int.	CDM-R 111	GX8.5	2x35w	483,20	0,50 0,60
102 02 02 70	Black int.	CDM-R 111	GX8.5	2x70w	498,80	0,50 0,60
102 90 02 70	Titanium int.	CDM-R 111	GX8.5	2x70w	498,80	0,50 0,60

* Supplied in a standard manner with maximum lamp bevel.

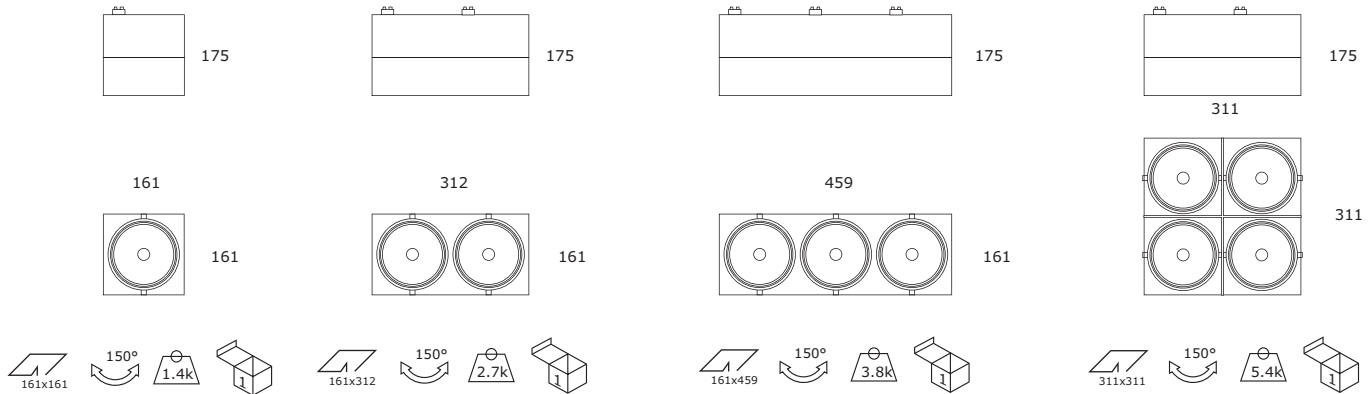
* Supplied in a standard manner with 3000° K lamp

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Eurocom frameless



Eurocom frameless 3 lamps

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
101 02 03 35	Black int.	QR-111	G53	3x35w	208,00	0,50
101 90 03 35	Titanium int.	QR-111	G53	3x35w	208,00	0,50
101 02 03 50	Black int.	QR-111	G53	3x50w	208,00	0,50
101 90 03 50	Titanium int.	QR-111	G53	3x50w	208,00	0,50
101 02 03 60	Black int.	QR-111	G53	3x60w	274,20	0,50
101 90 03 60	Titanium int.	QR-111	G53	3x60w	274,20	0,50
101 02 03 75	Black int.	QR-111	G53	3x75w	274,20	0,50
101 90 03 75	Titanium int.	QR-111	G53	3x75w	274,20	0,50
101 02 03 10	Black int.	QR-111	G53	3x100w	274,20	0,50
101 90 03 10	Titanium int.	QR-111	G53	3x100w	274,20	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
101L 02 03 12	Black int.	LED	G53	3x12w	498,40	0,50 0,60
101L 90 03 12	Titanium int.	LED	G53	3x12w	498,40	0,50 0,60

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accessories

Ref.	€
DR3	290,60

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
102 02 03 35	Black int.	CDM-R 111	GX8.5	3x35w	734,60	0,50 0,90
102 90 03 35	Titanium int.	CDM-R 111	GX8.5	3x35w	734,60	0,50 0,90
102 02 03 70	Black int.	CDM-R 111	GX8.5	3x70w	759,50	0,50 0,90
102 90 03 70	Titanium int.	CDM-R 111	GX8.5	3x70w	759,50	0,50 0,90

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



Eurocom frameless 4 lamps

Includes electronic transformers and QR-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
101 02 04 35	Black int.	QR-111	G53	4x35w	290,30	0,50
101 90 04 35	Titanium int.	QR-111	G53	4x35w	290,30	0,50
101 02 04 50	Black int.	QR-111	G53	4x50w	290,30	0,50
101 90 04 50	Titanium int.	QR-111	G53	4x50w	290,30	0,50
101 02 04 60	Black int.	QR-111	G53	4x60w	348,90	0,50
101 90 04 60	int. titanium	QR-111	G53	4x60w	348,90	0,50
101 02 04 75	Black int.	QR-111	G53	4x75w	348,90	0,50
101 90 04 75	Titanium int.	QR-111	G53	4x75w	348,90	0,50
101 02 04 10	Black int.	QR-111	G53	4x100w	348,90	0,50
101 90 04 10	Titanium int.	QR-111	G53	4x100w	348,90	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
101L 02 04 12	Black int.	LED	G53	4x12w	498,60	0,50 0,80
101L 90 04 12	Titanium int.	LED	G53	4x12w	498,60	0,50 0,80

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accessories

Ref.	€
DR4	372,00

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
102 02 04 35	Black int.	CDM-R 111	GX8.5	4x35w	962,25	0,50 1,20
102 90 04 35	Titanium int.	CDM-R 111	GX8.5	4x35w	962,25	0,50 1,20
102 02 04 70	Black int.	CDM-R 111	GX8.5	4x70w	996,50	0,50 1,20
102 90 04 70	Titanium int.	CDM-R 111	GX8.5	4x70w	996,50	0,50 1,20

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



Diricom

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps, Each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models
- Lamps:** The series of DIRICOM lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, the system allows to direct the light beam in any direction, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different options by request.



Diricom 1 lamp

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
3284 02 01 35	Black int.	QR-111	G53	1x35w	115,30	0,25
3284 90 01 35	Titanium int.	QR-111	G53	1x35w	115,30	0,25
3284 02 01 50	Black int.	QR-111	G53	1x50w	115,30	0,25
3284 90 01 50	Titanium int.	QR-111	G53	1x50w	115,30	0,25
3284 02 01 60	Black int.	QR-111	G53	1x60w	132,30	0,25
3284 90 01 60	Titanium int.	QR-111	G53	1x60w	132,30	0,25
3284 02 01 75	Black int.	QR-111	G53	1x75w	132,30	0,25
3284 90 01 75	Titanium int.	QR-111	G53	1x75w	132,30	0,25
3284 02 01 10	Black int.	QR-111	G53	1x100w	132,30	0,25
3284 90 01 10	Titanium int.	QR-111	G53	1x100w	132,30	0,25

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3284 02 01 12	Black int.	LED	G53	1x12w	218,20	0,25 0,20
3284 90 01 12	Titanium int.	LED	G53	1x12w	218,20	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accesories

Ref.	€
DR1 Dimmable driver for LED lamp -111	116,80

Includes electronic transformers and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3285 02 01 35	Black int.	CDM-R 111	GX8.5	35w	293,60	0,25 0,30
3285 90 01 35	Titanium int.	CDM-R 111	GX8.5	35w	293,60	0,25 0,30
3285 02 01 70	Black int.	CDM-R 111	GX8.5	70w	293,60	0,25 0,30
3285 90 01 70	Titanium int.	CDM-R 111	GX8.5	70w	293,60	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

Diricom 2 lamps

Includes electronic transformers and QR-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
3284 02 02 35	Black int.	QR-111	G53	2x35w	216,90	0,50
3284 90 02 35	Titanium int.	QR-111	G53	2x35w	216,90	0,50
3284 02 02 50	Black int.	QR-111	G53	2x50w	216,90	0,50
3284 90 02 50	Titanium int.	QR-111	G53	2x50w	216,90	0,50
3284 02 02 60	Black int.	QR-111	G53	2x60w	256,20	0,50
3284 90 02 60	Titanium int.	QR-111	G53	2x60w	256,20	0,50
3284 02 02 75	Black int.	QR-111	G53	2x75w	256,20	0,50
3284 90 02 75	Titanium int.	QR-111	G53	2x75w	256,20	0,50
3284 02 02 10	Black int.	QR-111	G53	2x100w	256,20	0,50
3284 90 02 10	Titanium int.	QR-111	G53	2x100w	256,20	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3284 02 02 12	Black int.	LED	G53	2x12w	419,90	0,50 0,40
3284 90 02 12	Titanium int.	LED	G53	2x12w	419,90	0,50 0,40

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accesories

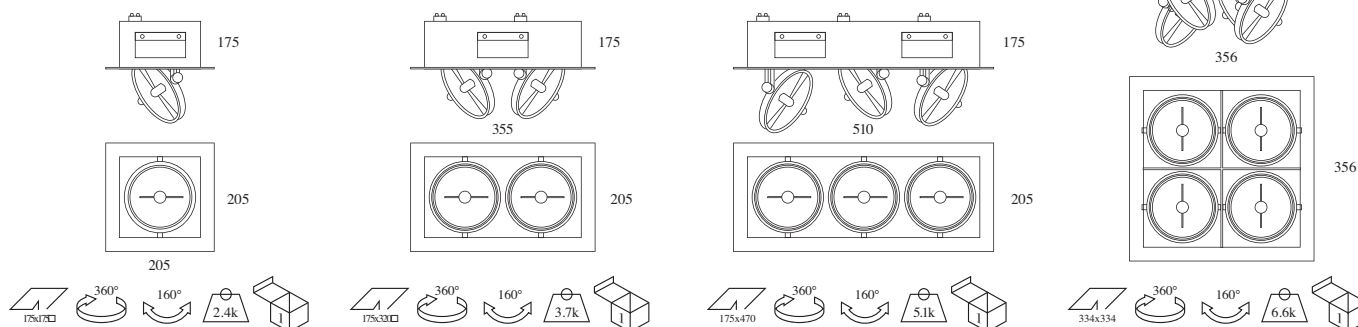
Ref.	€
DR2 Dimmable driver for LED lamp -111	210,24

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3285 02 02 35	Black int.	CDM-R 111	GX8.5	2x35w	559,60	0,50 0,60
3285 90 02 35	Titanium int.	CDM-R 111	GX8.5	2x35w	559,60	0,50 0,60
3285 02 02 70	Black int.	CDM-R 111	GX8.5	2x70w	559,60	0,50 0,60
3285 90 02 70	Titanium int.	CDM-R 111	GX8.5	2x70w	559,60	0,50 0,60

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp





Diricom 3 lamps

Includes electronic transformers and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
3284 02 03 35	Black int.	QR-111	G53	3x35w	360,40	0,50
3284 90 03 35	Titanium int.	QR-111	G53	3x35w	360,40	0,50
3284 02 03 50	Black int.	QR-111	G53	3x50w	360,40	0,50
3284 90 03 50	Titanium int.	QR-111	G53	3x50w	360,40	0,50
3284 02 03 60	Black int.	QR-111	G53	3x60w	388,80	0,50
3284 90 03 60	Titanium int.	QR-111	G53	3x60w	388,80	0,50
3284 02 03 75	Black int.	QR-111	G53	3x75w	388,80	0,50
3284 90 03 75	Titanium int.	QR-111	G53	3x75w	388,80	0,50
3284 02 03 10	Black int.	QR-111	G53	3x100w	388,80	0,50
3284 90 03 10	Titanium int.	QR-111	G53	3x100w	388,80	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3284 02 03 12	Black int.	LED	G53	3x12w	596,80	0,50 0,60
3284 90 03 12	Titanium int.	LED	G53	3x12w	596,80	0,50 0,60

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accesories

Ref.	Description	€
DR3	Dimmable driver for LED lamp -111	290,60

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3285 02 03 35	Black int.	CDM-R 111	GX8.5	3x35w	833,00	0,50 0,90
3285 90 03 35	Titanium int.	CDM-R 111	GX8.5	3x35w	833,00	0,50 0,90
3285 02 03 70	Black int.	CDM-R 111	GX8.5	3x70w	833,00	0,50 0,90
3285 90 03 70	Titanium int.	CDM-R 111	GX8.5	3x70w	833,00	0,50 0,90

* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

OPTIONS

	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

OPTIONS

	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Diricom 4 lamps

Includes electronic transformers and QR-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
3284 02 04 35	Black int.	QR-111	G53	4x35w	421,50	0,50
3284 90 04 35	Titanium int.	QR-111	G53	4x35w	421,50	0,50
3284 02 04 50	Black int.	QR-111	G53	4x50w	421,50	0,50
3284 90 04 50	Titanium int.	QR-111	G53	4x50w	421,50	0,50
3284 02 04 60	Black int.	QR-111	G53	4x60w	480,10	0,50
3284 90 04 60	int. titanium	QR-111	G53	4x60w	480,10	0,50
3284 02 04 75	Black int.	QR-111	G53	4x75w	480,10	0,50
3284 90 04 75	Titanium int.	QR-111	G53	4x75w	480,10	0,50
3284 02 04 10	Black int.	QR-111	G53	4x100w	480,10	0,50
3284 90 04 10	Titanium int.	QR-111	G53	4x100w	480,10	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3284 02 04 12	Black int.	LED	G53	4x12w	626,80	0,50 0,80
3284 90 04 12	Titanium int.	LED	G53	4x12w	626,80	0,50 0,80

* Supplied in a standard manner with 3100° K lamp

Rough price increase of accesories

Ref.	Description	€
DR4	Dimmable driver for LED lamp -111	372,00

Includes electronic transformers and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3285 02 04 35	Black int.	CDM-R 111	GX8.5	4x35w	1115,10	0,50 1,20
3285 90 04 35	Titanium int.	CDM-R 111	GX8.5	4x35w	1115,10	0,50 1,20
3285 02 04 70	Black int.	CDM-R 111	GX8.5	4x70w	1115,10	0,50 1,20
3285 90 04 70	Titanium int.	CDM-R 111	GX8.5	4x70w	1115,10	0,50 1,20

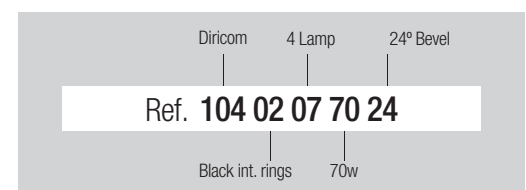
* Supplied in a standard manner with maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

LED-111 OPTIONS

	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Example to write a reference with options



Eurocombi

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Each of the QR lamps can be adjustable independently whit Cardam system. Highly-reflective aluminium reflector for the low consumption PL-T lamp. It can be supplied, as an option, with transparent glass (Ref. CTE) or matt glass (Ref. CME).
- Supply:** Control gears or electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of EUROCOMBI lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different combinations by request.

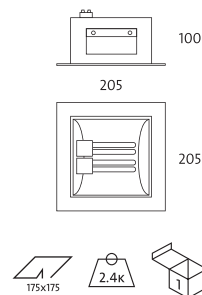
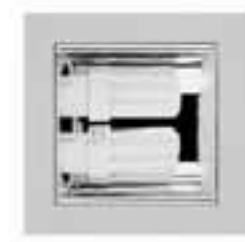
Eurocombi 1 lamp



Includes ballast carrier boxes and lamps PL-T

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
040 90 13CP	Titanium	PL-T	G-24D-1	2x13w	99,46	0,25 0,40
040 90 18CP	Titanium	PL-T	G-24D-2	2x18w	99,46	0,25 0,40

* Supplied in a standard manner with 4200° K lamp



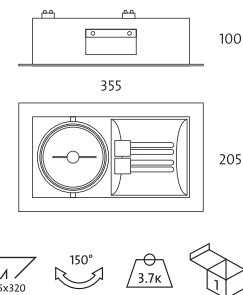
Eurocombi PL-T + QR-111

Includes ballast carrier boxes, electronic equipment and PL-T and QR-111 lamps



Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum. lamp.
041 13 35CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	35w	155,69	0,25 0,40
042 13 35CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	35w	155,69	0,25 0,40
041 13 50CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	50w	155,69	0,25 0,40
042 13 50CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	50w	155,69	0,25 0,40
041 13 60CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	60w	170,18	0,25 0,40
042 13 60CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	60w	170,18	0,25 0,40
041 13 75CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	75w	170,18	0,25 0,40
042 13 75CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	75w	170,18	0,25 0,40
041 13 10CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	100w	170,18	0,25 0,40
042 13 10CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	100w	170,18	0,25 0,40
041 18 35CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	35w	170,18	0,25 0,40
042 18 35CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	35w	170,18	0,25 0,40
041 18 50CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	50w	155,71	0,25 0,40
042 18 50CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	50w	155,71	0,25 0,40
041 18 60CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	60w	170,20	0,25 0,40
042 18 60CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	60w	170,20	0,25 0,40
041 18 75CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	75w	170,20	0,25 0,40
042 18 75CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	75w	170,20	0,25 0,40
041 18 10CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	100w	170,20	0,25 0,40
042 18 10CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	100w	170,20	0,25 0,40

* The PL-T lamp is supplied as standard with 4200° K lamp
 * The lamp QR-111 is supplied as standard with maximum lamp bevel.



Eurocombi PL-T + LED-111

Includes ballast carrier boxes, driver and PL-T and LED-111 lamps



Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum. lamp.
041L 13 12	Black int. ring	PL-T	G-24D-1	LED-111	G53	2x13w	12w	244,14	0,25 0,60
042L 13 12	Titanium int. ring	PL-T	G-24D-1	LED-111	G53	2x13w	12w	244,14	0,25 0,60
041L 18 12	Black int. ring	PL-T	G-24D-2	LED-111	G53	2x18w	12w	244,16	0,25 0,60
042L 18 12	Titanium int. ring	PL-T	G-24D-2	LED-111	G53	2x18w	12w	244,16	0,25 0,60

* The PL-T lamp is supplied as standard with 4200° K lamp
 * The LED-111 lamp is supplied as standard with 3100° K lamp

Rough price increase of accesories

Ref.	€
DR1 Dimmable Driver LED-111 lamp	116,80



Eurocombi PL-T + 2xQR-111

Includes ballast carrier boxes, electronic equipment and lamps PL-T and QR-111

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum. lamp.	
043 13 35CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x35w	204,00	0,50	0,40
044 13 35CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x35w	204,00	0,50	0,40
043 13 50CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x50w	204,00	0,50	0,40
044 13 50CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x50w	204,00	0,50	0,40
043 13 60CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x60w	230,85	0,50	0,40
044 13 60CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x60w	230,85	0,50	0,40
043 13 75CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x75w	230,85	0,50	0,40
044 13 75CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x75w	230,85	0,50	0,40
043 13 10CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x100w	230,85	0,50	0,40
044 13 10CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	2x100w	230,85	0,50	0,40
043 18 35CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x35w	204,02	0,50	0,40
044 18 35CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x35w	204,02	0,50	0,40
043 18 50CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x50w	204,02	0,50	0,40
044 18 50CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x50w	204,02	0,50	0,40
043 18 60CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x60w	230,87	0,50	0,40
044 18 60CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x60w	230,87	0,50	0,40
043 18 75CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x75w	230,87	0,50	0,40
044 18 75CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x75w	230,87	0,50	0,40
043 18 10CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x100w	230,87	0,50	0,40
044 18 10CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	2x100w	230,87	0,50	0,40

* The PL-T lamp is supplied as standard with 4200° K lamp
 * The lamp QR-111 is supplied as standard with maximum lamp bevel.

Eurocombi PL-T + 2xLED-111

Includes ballast carrier boxes, driver and PL-T and LED-111 lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum. lamp.	
043L 13 12	Black int. ring	PL-T	G-24D-1	LED-111	G53	2x13w	2x12w	389,58	0,50	0,60
044L 13 12	Titanium int. ring	PL-T	G-24D-1	LED-111	G53	2x13w	2x12w	389,58	0,50	0,60
043L 18 12	Black int. ring	PL-T	G-24D-2	LED-111	G53	2x18w	2x12w	389,58	0,50	0,60
044L 18 12	Titanium int. ring	PL-T	G-24D-2	LED-111	G53	2x18w	2x12w	389,58	0,50	0,60

* The PL-T lamp is supplied as standard with 4200° K lamp
 * The LED-111 lamp is supplied as standard with 3100° K lamp

Rough price increase of accessories

Ref.	Description	€
Ref. DR2	Dimmable Driver LED-111 lamp	210,24

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL-T 13w	•	•	•
PL-T 18w	•	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•	•	•	•
QR-111 50w	•	•	•	•
QR-111 60w	•	•	•	•
QR-111 75w	•	•	•	•
QR-111 100w	•	•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100°K	4000°K
LED-111 12w	•	•

Rough price increase of accessories

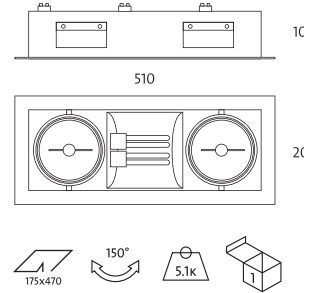
Ref.	Description	€
Ref. BE213	Electronic ballast 2x13w	29,00
Ref. BE218	Electronic ballast 2x18w	29,00
Ref. CTE	Transparent glass Eurocombi	5,36
Ref. CME	Matt glass Eurocombi	5,52

Example to write a reference with options

Eurocombi PL-T+ 2xQR-111 PL-T 18w 2700°K

Ref. 043 18 75CP 82 08

Black int. rings QR 75w 8° Bevel



Ref. CTE
Transparent glass



Ref. CME
Matt glass



Ref. BE213 / BE218
Electronic ballast
2x13w / 2x18w





Eurocombi 2xPL-T + QR-111

Includes ballast carrier boxes, electronic equipment and PL-T and QR-111 lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
045 13 35CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	35w	244,42	0,50	0,80
046 13 35CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	35w	244,42	0,50	0,80
045 13 50CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	50w	244,42	0,50	0,80
046 13 50CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	50w	244,42	0,50	0,80
045 13 60CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	60w	261,18	0,50	0,80
046 13 60CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	60w	261,18	0,50	0,80
045 13 75CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	75w	257,06	0,50	0,80
046 13 75CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	75w	257,06	0,50	0,80
045 13 10CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	100w	257,06	0,50	0,80
046 13 10CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	100w	257,06	0,50	0,80
045 18 35CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	35w	244,44	0,50	0,80
046 18 35CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	35w	244,44	0,50	0,80
045 18 50CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	50w	244,44	0,50	0,80
046 18 50CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	50w	244,44	0,50	0,80
045 18 60CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	60w	261,20	0,50	0,80
046 18 60CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	60w	261,20	0,50	0,80
045 18 75CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	75w	257,08	0,50	0,80
046 18 75CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	75w	257,08	0,50	0,80
045 18 10CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	100w	257,08	0,50	0,80
046 18 10CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	100w	257,08	0,50	0,80

* The PL-T lamp is supplied as standard with 4200° K lamp

* The lamp QR-111 is supplied as standard with maximum lamp bevel.

Eurocombi 2xPL-T + LED-111

Includes ballast carrier boxes, driver and PL-T and LED-111 lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
045L 13 12	Black int. ring	PL-T	G-24D-1	LED-111	G53	4x13w	12w	324,09	0,50	1,00
046L 13 12	Titanium int. ring	PL-T	G-24D-1	LED-111	G53	4x13w	12w	324,09	0,50	1,00
045L 18 12	Black int. ring	PL-T	G-24D-2	LED-111	G53	4x18w	12w	324,09	0,50	1,00
046L 18 12	Titanium int. ring	PL-T	G-24D-2	LED-111	G53	4x18w	12w	324,09	0,50	1,00

* The PL-T lamp is supplied as standard with 4200° K lamp

* The LED-111 lamp is supplied as standard with 3100° K lamp

Rough price increase of accesories

Ref.	€
Ref. DR1 Dimmable Driver LED-111 lamp	116,80

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL-T 13w	•	•	•
PL-T 18w	•	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•	•	•	•
QR-111 50w	•	•	•	•
QR-111 60w	•	•	•	•
QR-111 75w	•	•	•	•
QR-111 100w	•	•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100°K	4000°K
LED-111 12w	•	•

Rough price increase of accesories

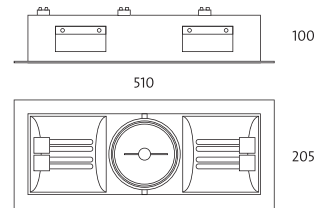
Ref.	€
Ref. BE213 Electronic ballast 2x13w	29,00
Ref. BE218 Electronic ballast 2x18w	29,00
Ref. CTE Transparent glass Eurocombi	5,36
Ref. CME Matt glass Eurocombi	5,52

Example to write a reference with options

Eurocombi 2xPL-T+QR-111 PL-T 18w 2700°K

Ref. 045 18 75CP 82 08

Black int. rings QR 75w 8° Bevel



Ref. CTE
Transparent glass



Ref. CME
Matt glass



Ref. BE213 / BE218
Electronic ballast
2x13w / 2x18w

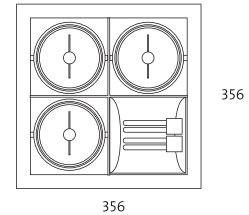
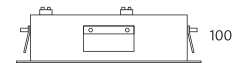


Eurocombi PL-T + 3xQR-111

Includes ballast carrier boxes, electronic equipment and PL-T and QR-111 lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum.	lamp.
047 13 35CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x35w	261,20	0,70	0,40
048 13 35CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x35w	261,20	0,70	0,40
047 13 50CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x50w	261,20	0,70	0,40
048 13 50CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x50w	261,20	0,70	0,40
047 13 60CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x60w	291,68	0,70	0,40
048 13 60CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x60w	291,68	0,70	0,40
047 13 75CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x75w	287,56	0,70	0,40
048 13 75CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x75w	287,56	0,70	0,40
047 13 10CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x100w	287,56	0,70	0,40
048 13 10CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	2x13w	3x100w	287,56	0,70	0,40
047 18 35CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x35w	261,22	0,70	0,40
048 18 35CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x35w	261,22	0,70	0,40
047 18 50CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x50w	261,22	0,70	0,40
048 18 50CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x50w	261,22	0,70	0,40
047 18 60CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x60w	291,70	0,70	0,40
048 18 60CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x60w	291,70	0,70	0,40
047 18 75CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x75w	287,58	0,70	0,40
048 18 75CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x75w	287,58	0,70	0,40
047 18 10CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x100w	287,58	0,70	0,40
048 18 10CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	2x18w	3x100w	287,58	0,70	0,40

* The PL-T lamp is supplied as standard with 4200° K lamp
* The LED-111 lamp is supplied as standard with 3100° K lamp



Eurocombi PL-T + 3xLED-111

Includes ballast carrier boxes, driver and lamps PL-T and LED-111

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum.	lamp.
047L 13 12	Black int. ring	PL-T	G-24D-1	LED-111	G53	2x13w	3x12w	549,65	0,70	1,00
048L 13 12	Titanium int. ring	PL-T	G-24D-1	LED-111	G53	2x13w	3x12w	549,65	0,70	1,00
047L 18 12	Black int. ring	PL-T	G-24D-2	LED-111	G53	2x18w	3x12w	549,65	0,70	1,00
048L 18 12	Titanium int. ring	PL-T	G-24D-2	LED-111	G53	2x18w	3x12w	549,65	0,70	1,00

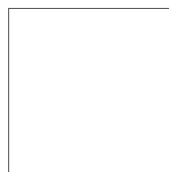
* The PL-T lamp is supplied as standard with 4200° K lamp
* The LED-111 lamp is supplied as standard with 3100° K lamp

Rough price increase of accessories

Ref.	Description	€
DR3	Dimmable Driver LED-111 lamp	290,60



Ref. CME
Matt glass



Ref. CTE
Transparent glass



Ref. BE213 / BE218
Electronic ballast
2x13w / 2x18w

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL-T 13w	•	•	•
PL-T 18w	•	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100°K	4000°K
LED-111 12w	•	•

Rough price increase of accessories

Ref.	Description	€
BE213	Electronic ballast 2x13w	29,00
BE218	Electronic ballast 2x18w	29,00
CTE	Transparent glass Eurocombi	5,36
CME	Matt glass Eurocombi	5,52

Example to write a reference with options

Eurocombi PL-T+ 2xQR-111 PL-T 18w

Ref. 047 18 10CP 08

Black int. rings QR 75w 8° Bevel

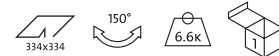
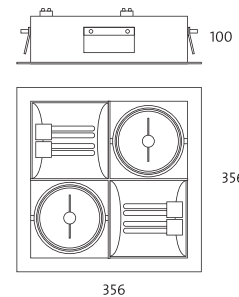


Eurocombi 2xPL-T + 2xQR-111

Includes ballast carrier boxes, electronic equipment and PL-T and QR-111 lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum. lamp.
049 13 35CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x35w	300,73	0,70 0,80
050 13 35CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x35w	300,73	0,70 0,80
049 13 50CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x50w	300,73	0,70 0,80
050 13 50CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x50w	300,76	0,70 0,80
049 13 60CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x60w	323,19	0,70 0,80
050 13 60CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x60w	323,19	0,70 0,80
049 13 75CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x75w	319,09	0,70 0,80
050 13 75CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x75w	319,07	0,70 0,80
049 13 10CP	Black int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x100w	319,07	0,70 0,80
050 13 10CP	Titanium int. ring	PL-T	G-24D-1	QR-111	G53	4x13w	2x100w	319,07	0,70 0,80
049 18 35CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x35w	300,76	0,70 0,80
050 18 35CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x35w	300,76	0,70 0,80
049 18 50CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x50w	300,76	0,70 0,80
050 18 50CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x50w	300,76	0,70 0,80
049 18 60CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x60w	323,21	0,70 0,80
050 18 60CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x60w	323,21	0,70 0,80
049 18 75CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x75w	319,09	0,70 0,80
050 18 75CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x75w	319,09	0,70 0,80
049 18 10CP	Black int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x100w	319,09	0,70 0,80
050 18 10CP	Titanium int. ring	PL-T	G-24D-2	QR-111	G53	4x18w	2x100w	319,09	0,70 0,80

* The PL-T lamp is supplied as standard with 4200° K lamp
* The lamp QR-111 is supplied as standard with maximum lamp bevel.



Eurocombi 2xPL-T + 2xLED-111

Includes ballast carrier boxes, driver and lamps PL-T and LED-111

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE lum. lamp.
049L 13 12	Black int. ring	PL-T	G-24D-1	LED-111	G53	4x13w	2x12w	481,93	0,70 1,20
050L 13 12	Titanium int. ring	PL-T	G-24D-1	LED-111	G53	4x13w	2x12w	481,93	0,70 1,20
049L 18 12	Black int. ring	PL-T	G-24D-2	LED-111	G53	4x18w	2x12w	481,93	0,70 1,20
050L 18 12	Titanium int. ring	PL-T	G-24D-2	LED-111	G53	4x18w	2x12w	481,93	0,70 1,20

* The PL-T lamp is supplied as standard with 4200° K lamp
* The LED-111 lamp is supplied as standard with 3100° K lamp

Rough price increase of accessories		€
Ref. DR2	Dimmable Driver LED-111 lamp	210,24



Ref. CME
Matt glass



Ref. CTE
Transparent glass



Ref. BE213 / BE218
Electronic ballast
2x13w / 2x18w

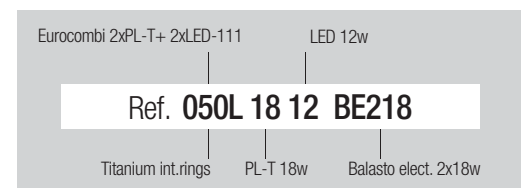
OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL-T 13w	•	•	•
PL-T 18w	•	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•	•	•	•
QR-111 50w	•	•	•	•
QR-111 60w	•	•	•	•
QR-111 75w	•	•	•	•
QR-111 100w	•	•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100°K	4000°K
LED-111 12w	•	•

Rough price increase of accessories		€
Ref. BE213	Electronic ballast 2x13w	29,00
Ref. BE218	Electronic ballast 2x18w	29,00
Ref. CTE	Transparent glass Eurocombi	5,36
Ref. CME	Matt glass Eurocombi	5,52

Example to write a reference with options



Lecom CDM-R 111


Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps, each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of LECOM CDM-R 111 lightings use CDM-R 111 lamps only suitable in group facilities or commercial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different combinations by request.



Lecom 1 CDM-R 111 lamp

Includes electronic equipment and CDM-R 111 lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 716 02 35C	Black int. ring	CDM-R 111	GX8.5	35w	246,47	0,25	0,30
716 90 35C	Titanium int. ring	CDM-R 111	GX8.5	35w	246,47	0,25	0,30
716 02 70C	Black int. ring	CDM-R 111	GX8.5	70w	248,12	0,25	0,30
716 90 70C	Titanium int. ring	CDM-R 111	GX8.5	70w	248,12	0,25	0,30

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp



Lecom 2 CDM-R 111 lamps


Includes electronic equipment and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 717 02 35C	Black int. ring	CDM-R 111	GX8.5	2x35w	456,59	0,50	0,60
717 90 35C	Titanium int. ring	CDM-R 111	GX8.5	2x35w	456,59	0,50	0,60
717 02 70C	Black int. ring	CDM-R 111	GX8.5	2x70w	474,62	0,50	0,60
717 90 70C	Titanium int. ring	CDM-R 111	GX8.5	2x70w	474,62	0,50	0,60

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp

Lecom 3 CDM-R 111 lamps

Includes electronic equipment and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 718 02 35C	Black int. ring	CDM-R 111	GX8.5	3x35w	694,32	0,50	0,90
718 90 35C	Titanium int. ring	CDM-R 111	GX8.5	3x35w	694,32	0,50	0,90
718 02 70C	Black int. ring	CDM-R 111	GX8.5	3x70w	717,70	0,50	0,90
718 90 70C	Titanium int. ring	CDM-R 111	GX8.5	3x70w	717,70	0,50	0,90

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp




Rough price increase of accessories

Ref. SM	Optional LECOM frameless	€
		49,20

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Angulo de apertura	10°	24°	40° lamp
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

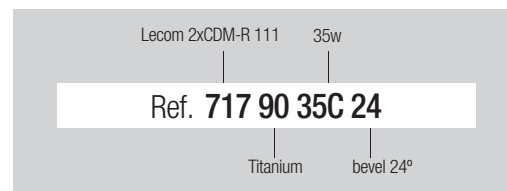
Lecom 4 CDM-R 111 lamps

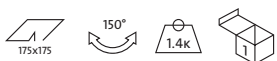
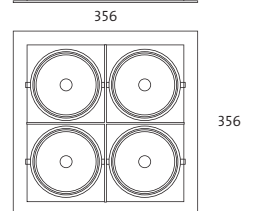
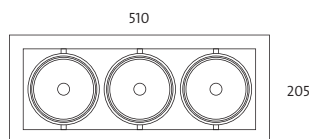
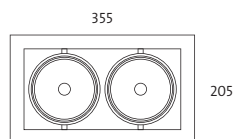
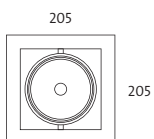
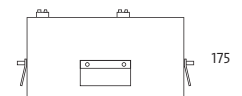
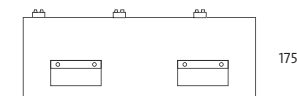
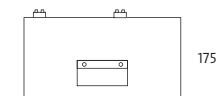
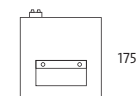
Includes electronic equipment and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 719 02 35C	Black int. ring	CDM-R 111	GX8.5	4x35w	909,28	0,50	1,20
719 90 35C	Titanium int. ring	CDM-R 111	GX8.5	4x35w	909,28	0,50	1,20
719 02 70C	Black int. ring	CDM-R 111	GX8.5	4x70w	960,47	0,50	1,20
719 90 70C	Titanium int. ring	CDM-R 111	GX8.5	4x70w	960,47	0,50	1,20

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp

Example to write a reference with options





Lecom HQI

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Matt aluminium reflector with protection glass. Each lamp is independently adjustable with Cardam system.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of LECOM HQI lightings use HQI G12 lamps only suitable for commercial use, exhibition areas and group facilities.
- Options:** We can combine in the same lighting, different light sources. (For example: 2 HQI + 2 QR-111). Please consult.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different combinations by request.



Lecom HQI 1 lamp

Includes control gear, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
765 02 35	Black int. ring	HQI G-12 35w	175	175	219,16	0,50	0,30
765 90 35	Titanium int. ring	HQI G-12 35w	175	175	219,16	0,50	0,30
765 02 70	Black int. ring	HQI G-12 70w	205	205	219,16	0,50	0,30
765 90 70	Titanium int. ring	HQI G-12 70w	205	205	219,16	0,50	0,30
765 02 15	Black int. ring	HQI G-12 150w	356	356	219,16	0,50	0,30
765 90 15	Titanium int. ring	HQI G-12 150w	356	356	219,16	0,50	0,30

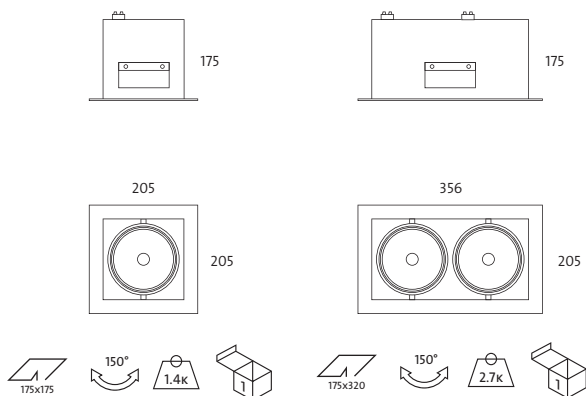
* Supplied in a standard manner with 4200° K lamp

Lecom HQI 2 lamps

Includes control gear, protection glass and HQI lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
766 02 35	Black int. ring	HQI G-12 2x35w	175	356	423,82	0,50	0,60
766 90 35	Titanium int. ring	HQI G-12 2x35w	175	356	423,82	0,50	0,60
766 02 70	Black int. ring	HQI G-12 2x70w	205	356	423,82	0,50	0,60
766 90 70	Titanium int. ring	HQI G-12 2x70w	205	356	423,82	0,50	0,60
766 02 15	Black int. ring	HQI G-12 2x150w	356	356	423,82	0,50	0,60
766 90 15	Titanium int. ring	HQI G-12 2x150w	356	356	423,82	0,50	0,60

* Supplied in a standard manner with 4200° K lamp



Rough price increase of accessories

Ref. SM	Optional LECOM frameless	€ 49,20
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OPTIONS	Ref. 83	Ref. 82
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•

Lecom HQI 3 lamps

Includes control gear, protection glass and HQI lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
767 02 35	Black int. ring	HQI G-12 3x35w	175	512	615,09	0,50	0,90
767 90 35	Titanium int. ring	HQI G-12 3x35w	175	512	615,09	0,50	0,90
767 02 70	Black int. ring	HQI G-12 3x70w	205	512	615,09	0,50	0,90
767 90 70	Titanium int. ring	HQI G-12 3x70w	205	512	615,09	0,50	0,90
767 02 15	Black int. ring	HQI G-12 3x150w	356	512	615,09	0,50	0,90
767 90 15	Titanium int. ring	HQI G-12 3x150w	356	512	615,09	0,50	0,90

* Supplied in a standard manner with 4200° K lamp

Lecom HQI 4 lamps

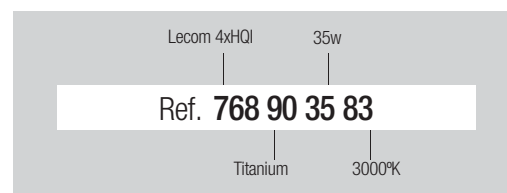
Includes control gear, protection glass and HQI lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
768 02 35	Black int. ring	HQI G-12 4x35w	175	648	822,37	0,70	1,20
768 90 35	Titanium int. ring	HQI G-12 4x35w	175	648	822,37	0,70	1,20
768 02 70	Black int. ring	HQI G-12 4x70w	205	648	822,37	0,70	1,20
768 90 70	Titanium int. ring	HQI G-12 4x70w	205	648	822,37	0,70	1,20
768 02 15	Black int. ring	HQI G-12 4x150w	356	648	822,37	0,70	1,20
768 90 15	Titanium int. ring	HQI G-12 4x150w	356	648	822,37	0,70	1,20

* Supplied in a standard manner with 4200° K lamp



Example to write a reference with options



Lecom HQI / Lecom E-27

Lecom HQI E-27 1 lamp

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 12 35 83	Black int. ring	HQI E-27	35w		213,13	0,25 0,30
109 90 12 35 83	Titanium int. ring	HQI E-27	35w		213,13	0,25 0,30
109 02 12 70 83	Black int. ring	HQI E-27	70w		213,13	0,25 0,30
109 90 12 70 83	Titanium int. ring	HQI E-27	70w		213,13	0,25 0,30

* Supplied in a standard manner with 3000° K lamp

Lecom HQI E-27 2 lamps

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 22 35 83	Black int. ring	HQI E-27	2x35w		411,20	0,25 0,60
109 90 22 35 83	Titanium int. ring	HQI E-27	2x35w		411,20	0,25 0,60
109 02 22 70 83	Black int. ring	HQI E-27	2x70w		411,20	0,25 0,60
109 90 22 70 83	Titanium int. ring	HQI E-27	2x70w		411,20	0,25 0,60

* Supplied in a standard manner with 3000° K lamp

Lecom HQI E-27 3 lamps

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 32 35 83	Black int. ring	HQI E-27	3x35w		596,79	0,50 0,90
109 90 32 35 83	Titanium int. ring	HQI E-27	3x35w		596,79	0,50 0,90
109 02 32 70 83	Black int. ring	HQI E-27	3x70w		596,79	0,50 0,90
109 90 32 70 83	Titanium int. ring	HQI E-27	3x70w		596,79	0,50 0,90

* Supplied in a standard manner with 3000° K lamp

Lecom HQI E-27 4 lamps

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 42 35 83	Black int. ring	HQI E-27	4x35w		805,92	0,50 1,20
109 90 42 35 83	Titanium int. ring	HQI E-27	4x35w		805,92	0,50 1,20
109 02 42 70 83	Black int. ring	HQI E-27	4x70w		805,92	0,50 1,20
109 90 42 70 83	Titanium int. ring	HQI E-27	4x70w		805,92	0,50 1,20

* Supplied in a standard manner with 3000° K lamp

Lecom LED PAR30 1 lamp

Includes LED PAR30 lamp

LED Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 19	Black int. ring	LED E-27	1x9w		296,43	0,50 0,20
109 90 19	Titanium int. ring	LED E-27	1x9w		296,43	0,50 0,20

Lecom LED PAR30 2 lamps

Includes LED PAR30 lamp

LED Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 29	Black int. ring	LED E-27	2x9w		577,80	0,50 0,40
109 90 29	Titanium int. ring	LED E-27	2x9w		577,80	0,50 0,40

Lecom LED PAR30 3 lamps

Includes LED PAR30 lamp

LED Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 39	Black int. ring	LED E-27	3x9w		846,69	0,50 0,60
109 90 39	Titanium int. ring	LED E-27	3x9w		846,69	0,50 0,60

Lecom LED PAR30 4 lamps

Includes LED PAR30 lamp

LED Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 49	Black int. ring	LED E-27	4x9w		1139,12	0,50 0,80
109 90 49	Titanium int. ring	LED E-27	4x9w		1139,12	0,50 0,80

Lecom E-27

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Each lamp is independently adjustable with Cardam system.
- Supply:** Directly connected to the 220v main.
- Lamps:** The series of LECOM E-27 lightings use all kinds of E-27 lamps, specially recommended PAR 30 lamps, suitable for commercial use, exhibition areas and group facilities.
- Options:** We can combine in the same lighting, different light sources. (For example: 2 HQI + 2 QR-111). Please consult.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and different combinations by request.

Lecom PAR30 1 lamp

Includes PAR30 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 11	Black int. ring	PAR30 E-27	100w		90,98	0,50 0,30
109 90 11	Titanium int. ring	PAR30 E-27	100w		90,98	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Lecom PAR30 2 lamps

Includes PAR30 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 21	Black int. ring	PAR30 E-27	2x100w		166,90	0,50 0,60
109 90 21	Titanium int. ring	PAR30 E-27	2x100w		166,90	0,50 0,60

* Supplied in a standard manner with 4200° K lamp

Lecom PAR30 3 lamps

Includes PAR30 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 31	Black int. ring	PAR30 E-27	3x100w		230,34	0,50 0,90
109 90 31	Titanium int. ring	PAR30 E-27	3x100w		230,34	0,50 0,90

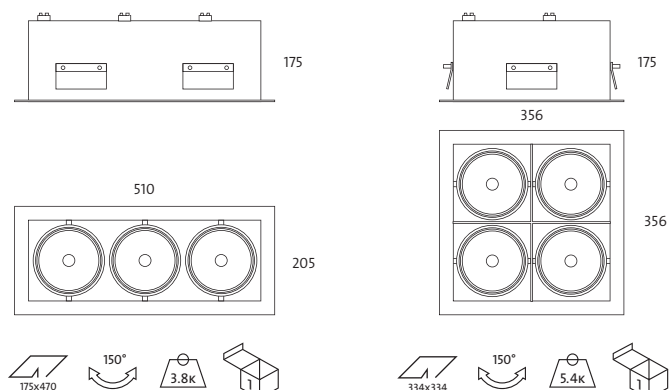
* Supplied in a standard manner with 4200° K lamp

Lecom PAR30 4 lamps

Includes PAR30 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
109 02 41	Black int. ring	PAR30 E-27	4x100w		317,32	0,50 1,20
109 90 41	Titanium int. ring	PAR30 E-27	4x100w		317,32	0,50 1,20

* Supplied in a standard manner with 4200° K lamp

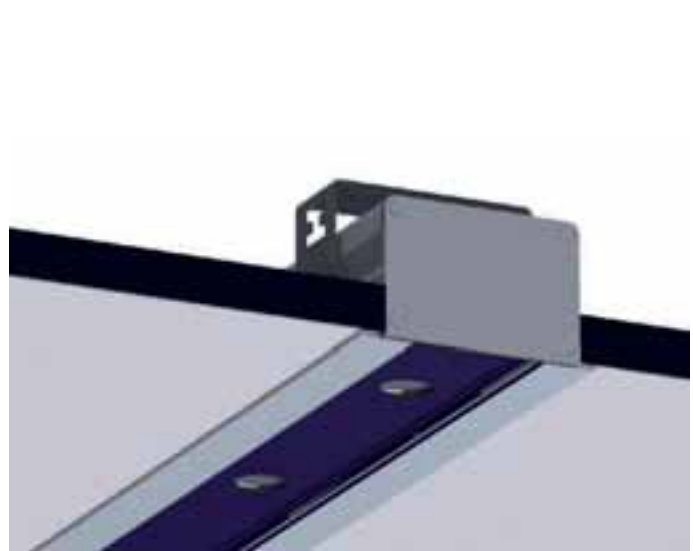


Recessed Fried

Protection degree IP43




- Material:** Extruded aluminium structure, lined with thermo paint, polycarbonate transparent diffuser.
- Optics:** Optics incorporated in the LED lamps.
- Supply:** Electronic equipment included with the lamp, adequate to the LED Lamps power.
- Lamps:** From 6 to 14 LED's Osram Dragon-X, with different powers from 7.3w to 35w accordig to the model.
- Estimated life:** 40.000 hours life average estimated.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Titanium body with internal modules, in white, black, yellow, blue, red and titanium. If requested the external body can be supplied in white, black or chrome matt.
- Options:** Available also in other colours, masures and with accessories to create geometrical structures (Intermediate or 90° connections) Ask for more Information.

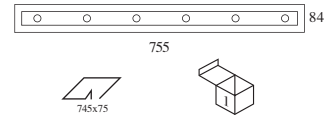


Recessed Fried 745 / 7.3w

Includes driver and 6 LEDs 1.2w


	Ref.	Inside	Lamp	W	€	RAEE lum.
LED	3040 01 07	White	LED	7,3w	388,60	0,25
	3040 02 07	Black	LED	7,3w	399,40	0,25
	3040 12 07	Yellow	LED	7,3w	399,40	0,25
	3040 60 07	Blue	LED	7,3w	399,40	0,25
	3040 70 07	Red	LED	7,3w	399,40	0,25
	3040 90 07	Titanium	LED	7,3w	399,40	0,25

* Supplied in a standard manner with LED 6500° K lamp

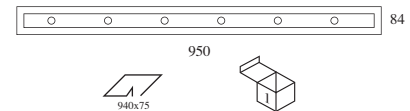


Recessed Fried 940 / 14.6w

Includes driver and 6 LEDs 2.4w

	Ref.	Inside	Lamp	W	€	RAEE lum.
LED	3042 01 14	White	LED	14,6w	492,50	0,25
	3042 02 14	Black	LED	14,6w	508,50	0,25
	3042 12 14	Yellow	LED	14,6w	508,50	0,25
	3042 60 14	Blue	LED	14,6w	508,50	0,25
	3042 70 14	Red	LED	14,6w	508,50	0,25
	3042 90 14	Titanium	LED	14,6w	508,50	0,25


* Supplied in a standard manner with LED 6500° K lamp



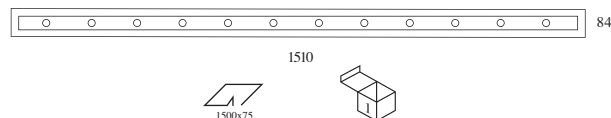


Recessed Friled 1500 / 30w

Includes driver and 12 LEDs 2.4w


LED	Ref.	Inside	Lamp	W	€	RAEE lum.
	3044 01 30	White	LED	30w	762,10	0,25
	3044 02 30	Black	LED	30w	785,10	0,25
	3044 12 30	Yellow	LED	30w	785,10	0,25
	3044 60 30	Blue	LED	30w	785,10	0,25
	3044 70 30	Red	LED	30w	785,10	0,25
	3044 90 30	Titanium	LED	30w	785,10	0,25

* Supplied in a standard manner with LED 6500° K lamp

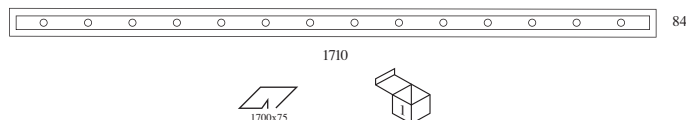


Recessed Friled 1700 / 35w

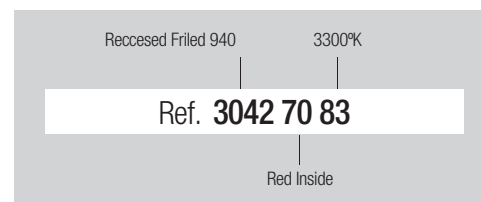
Includes driver and 14 LEDs 2.4w

LED	Ref.	Inside	Lamp	W	€	RAEE lum.
	3045 01 35	White	LED	35w	945,10	0,25
	3045 02 35	Black	LED	35w	975,12	0,25
	3045 12 35	Yellow	LED	35w	975,12	0,25
	3045 60 35	Blue	LED	35w	975,12	0,25
	3045 70 35	Red	LED	35w	975,12	0,25
	3045 90 35	Titanium	LED	35w	975,12	0,25

* Supplied in a standard manner with LED 6500° K lamp



Example to write a reference with options



OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•


Nogo

Protection degree IP20

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps, each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of NOGO lightings use halogen lamps QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only suitable for commercial use, exhibition areas and group facilities.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, chrome matt and titanium.

Nogo CDM-R 111


Includes electronic equipment and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
 157 01 35	White	CDM-R 111	GX8.5	35w	265,57	0,25 0,30
157 02 35	Black	CDM-R 111	GX8.5	35w	273,53	0,25 0,30
157 52 35	Matt chrome	CDM-R 111	GX8.5	35w	273,53	0,25 0,30
157 90 35	Titanium	CDM-R 111	GX8.5	35w	273,53	0,25 0,30
157 01 70	White	CDM-R 111	GX8.5	70w	267,65	0,25 0,30
157 02 70	Black	CDM-R 111	GX8.5	70w	275,67	0,25 0,30
157 52 70	Matt chrome	CDM-R 111	GX8.5	70w	275,67	0,25 0,30
157 90 70	Titanium	CDM-R 111	GX8.5	70w	275,67	0,25 0,30

* Supplied in a standard manner with maximum lamp bevel.
 * Supplied in a standard manner with 3000° K lamp

Nogo LED-111

Includes driver and LED-111 lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
 156 01 12	White	LED	G53	12w	186,73	0,20 0,20
156 02 12	Black	LED	G53	12w	192,33	0,25 0,20
156 52 12	Matt chrome	LED	G53	12w	192,33	0,25 0,20
156 90 12	Titanium	LED	G53	12w	192,33	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

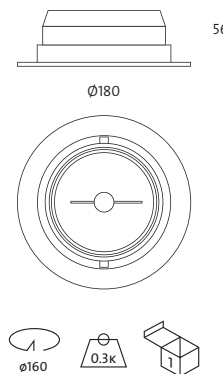
Rough price increase of accessories		€
Ref. DR1	Dimmable Driver LED-111 lamp	116,80

Nogo QR-111

Includes electronic equipment and lamp QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 155 01 35	White	QR-111	G53	35w	82,64	0,25
155 02 35	Black	QR-111	G53	35w	85,11	0,25
155 52 35	Matt chrome	QR-111	G53	35w	85,11	0,25
155 90 35	Titanium	QR-111	G53	35w	84,11	0,25
155 01 50	White	QR-111	G53	50w	82,64	0,25
155 02 50	Black	QR-111	G53	50w	85,11	0,25
155 52 50	Matt chrome	QR-111	G53	50w	85,11	0,25
155 90 50	Titanium	QR-111	G53	50w	85,11	0,25
155 01 60	White	QR-111	G53	60w	89,49	0,25
155 02 60	Black	QR-111	G53	60w	93,66	0,25
155 52 60	Matt chrome	QR-111	G53	60w	93,66	0,25
155 90 60	Titanium	QR-111	G53	60w	93,66	0,25
155 01 75	White	QR-111	G53	75w	86,82	0,25
155 02 75	Black	QR-111	G53	75w	89,42	0,25
155 52 75	Matt chrome	QR-111	G53	75w	89,42	0,25
155 90 75	Titanium	QR-111	G53	75w	89,42	0,25
155 01 100	White	QR-111	G53	100w	86,82	0,25
155 02 100	Black	QR-111	G53	100w	89,42	0,25
155 52 100	Matt chrome	QR-111	G53	100w	89,42	0,25
155 90 100	Titanium	QR-111	G53	100w	89,42	0,25

* Supplied in a standard manner with maximum lamp bevel.



Rough price increase of accessories		€
Ref. DR1	Dimmable Driver LED-111 lamp	116,80

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Angulo de apertura	10°	24°	40° lamp
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•	•	•	•
QR-111 50w	•	•	•	•
QR-111 60w	•	•	•	•
QR-111 75w	•	•	•	•
QR-111 100w	•	•	•	•

Example to write a reference with options

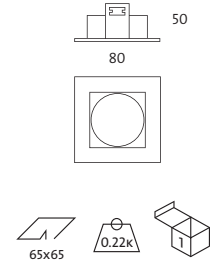
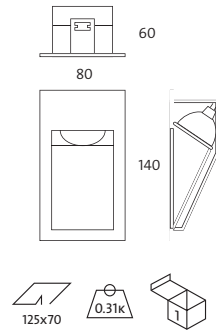
Nogo QR 100w
 | |
Ref. 155 52 10 24
 | |
 Matt chrome 24° Bevel



Wok

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of WOK lightings use dichroic halogen lamps and LED lamps, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black and titanium.



Wok asymmetric

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
289 01 50	White	12v50w	GU5.3	50w	51,39	0,25	0,25
289 02 50	Black	12v50w	GU5.3	50w	52,93	0,25	0,25
289 90 50	Titanium	12v50w	GU5.3	50w	52,93	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
289L 01 07	White	LED	GU-10	7W	99,27	0,25	0,20
289L 02 07	Black	LED	GU-10	7W	102,13	0,25	0,20
289L 90 07	Titanium	LED	GU-10	7W	102,13	0,25	0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
289L 01 05	White	LED	GU5.3	5w	95,62	0,25	0,20
289L 02 05	Black	LED	GU5.3	5w	98,51	0,25	0,20
289L 90 05	Titanium	LED	GU5.3	5w	98,51	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and lamp MR16 LED RGB

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
289L 01 03	White	LED	GU5.3	3w	102,79	0,25	0,20
289L 02 03	Black	LED	GU5.3	3w	105,87	0,25	0,20
289L 90 03	Titanium	LED	GU5.3	3w	105,87	0,25	0,20

Wok square

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
290 01 50	White	12v50w	GU5.3	50w	42,20	0,25	0,25
290 02 50	Black	12v50w	GU5.3	50w	43,46	0,25	0,25
290 90 50	Titanium	12v50w	GU5.3	50w	43,46	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
290L 01 07	White	LED	GU-10	7W	90,45	0,25	0,20
290L 02 07	Black	LED	GU-10	7W	93,05	0,25	0,20
290L 90 07	Titanium	LED	GU-10	7W	93,05	0,25	0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
290L 01 05	White	LED	GU5.3	5w	86,80	0,25	0,20
290L 02 05	Black	LED	GU5.3	5w	89,40	0,25	0,20
290L 90 05	Titanium	LED	GU5.3	5w	89,40	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp

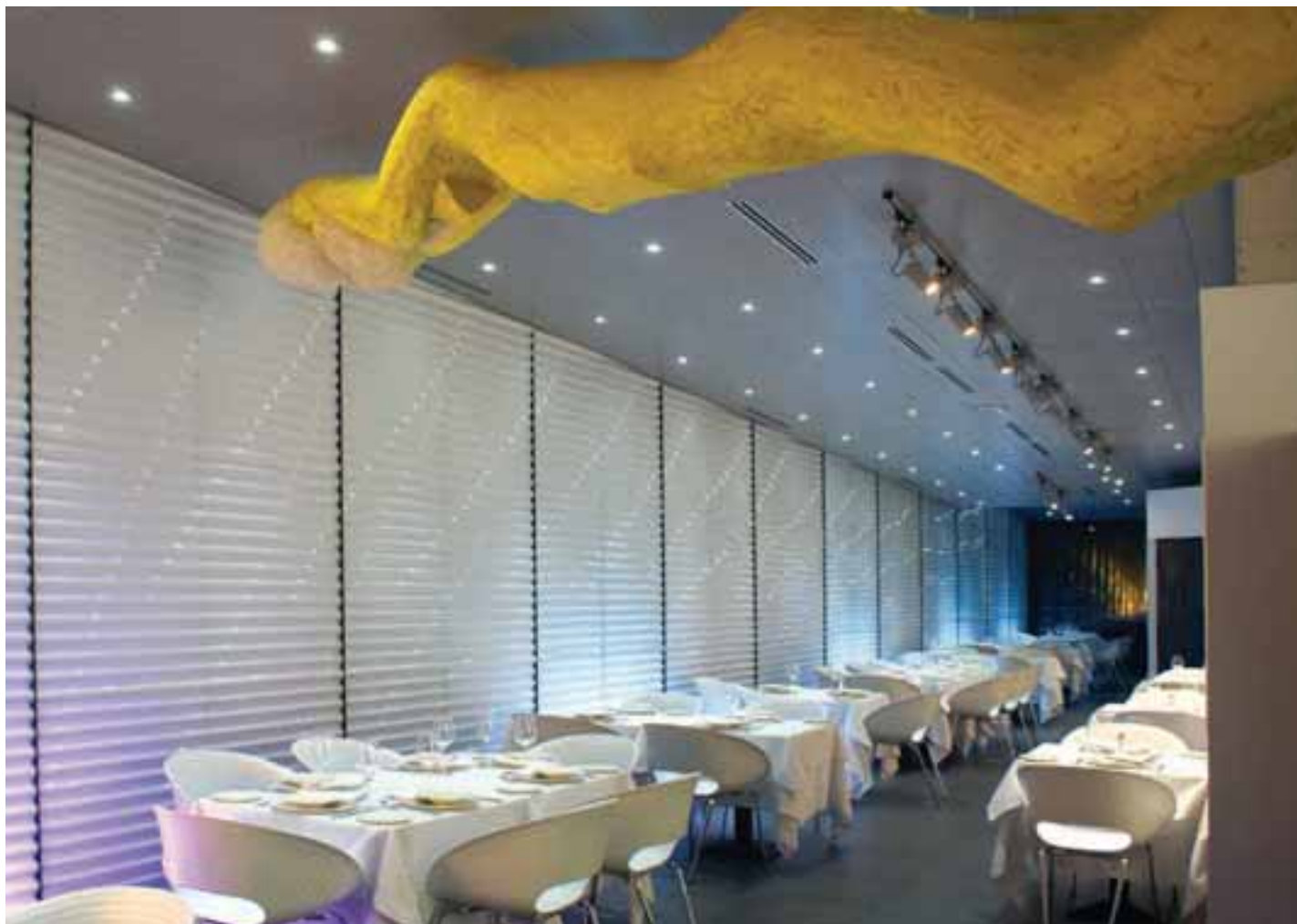
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum.
290L 01 03	White	LED	GU5.3	3w	93,60	0,25	0,20
290L 02 03	Black	LED	GU5.3	3w	96,40	0,25	0,20
290L 90 03	Titanium	LED	GU5.3	3w	96,40	0,25	0,20



Rough price increase of accessories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60


* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



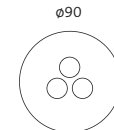
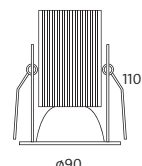
Modus
Protection degree IP43

- Material:** Anodized injected aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments included inside of the luminaries.
- Lamps:** LED lamps, composed of 3 LEDs each one of 3w.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black chrome matt and titanium

Includes driver and lamps LED 7,2w

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
	069 01	White	LED 3x2,4w	-	7,2w	107,60	0,25
	069 02	Black	LED 3x2,4w	-	7,2w	107,60	0,25
	069 52	Matt chrome	LED 3x2,4w	-	7,2w	107,60	0,25
	069 90	Titanium	LED 3x2,4w	-	7,2w	107,60	0,25

* Supplied in a standard manner with 3300° K lamp



OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Rough price increase of accesories

	€ Unidad LED
Ref. 3087 LED Red	5,00
Ref. 3088 LED Green	5,00
Ref. 3089 LED Blue	5,00




Boxter

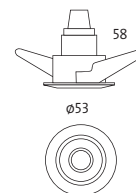
Protection degree IP43

- Material:** Turned aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments included (transf. 3.5v).
- Lamps:** LED lamps, composed of 1 LEDs each one of 1w.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Natural aluminium.

LED Includes driver and lamps LED 1w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 067 05	Aluminium	LED 1x1w	-	1w	69,93	0,25

* Supplied in a standard manner with 6000° K lamp




Colver

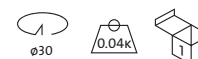
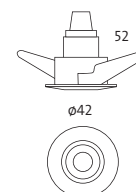
Protection degree IP43

- Material:** Turned aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments included (transf. 3.5v).
- Lamps:** LED lamps, composed of 1 LEDs each one of 1w.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Natural aluminium.

LED Includes driver and lamps LED 1w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 072 05	Aluminium	LED 1x1w	-	1w	82,17	0,25

* Supplied in a standard manner with 6000° K lamp




Épica

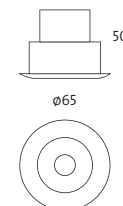
Protection degree IP43

- Material:** Anodized injected aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments included.
- Lamps:** LED lamps, composed of 3 LEDs each one of 3w.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Natural anodized aluminium.

LED Includes driver and lamps LED 3w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 068 52	Aluminium anod.	LED 1x3w	-	3w	81,06	0,25

* Supplied in a standard manner with 6000° K lamp



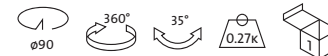
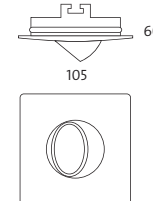


Adjustable Square Aluminium

Adjustable square aluminium

Protection degree IP20

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps. Adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. Easy installation, first mount pre-frames and later the external ring trim.
- Colours:** White, gold, chrome, chrome matt and nickel matt.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
204 01	White	-	GU5.3	-	7,72
204 03	Gold	-	GU5.3	-	9,93
204 05	Cromo	-	GU5.3	-	9,93
204 52	Matt chrome	-	GU5.3	-	9,93
204 57	Matt nickel	-	GU5.3	-	9,93

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
204L 01 05	White	LED	GU5.3	5w	47,62	0,25	0,20
204L 03 05	Gold	LED	GU5.3	5w	49,83	0,25	0,20
204L 05 05	Cromo	LED	GU5.3	5w	49,83	0,25	0,20
204L 52 05	Matt chrome	LED	GU5.3	5w	49,83	0,25	0,20
204L 57 05	Matt nickel	LED	GU5.3	5w	49,83	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
204 01 50	White	12v50w	GU5.3	50w	14,83	0,25
204 03 50	Gold	12v50w	GU5.3	50w	17,09	0,25
204 05 50	Cromo	12v50w	GU5.3	50w	17,09	0,25
204 52 50	Matt chrome	12v50w	GU5.3	50w	17,09	0,25
204 57 50	Matt nickel	12v50w	GU5.3	50w	17,09	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
204L 01 07	White	LED	GU5.3	7w	62,17	0,25	0,20
204L 03 07	Gold	LED	GU5.3	7w	64,38	0,25	0,20
204L 05 07	Cromo	LED	GU5.3	7w	64,38	0,25	0,20
204L 52 07	Matt chrome	LED	GU5.3	7w	64,38	0,25	0,20
204L 57 07	Matt nickel	LED	GU5.3	7w	64,38	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and lamp MR16 LED RGB

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
204L 01 03	White	LED	GU5.3	3w	65,32	0,25	0,20
204L 03 03	Gold	LED	GU5.3	3w	67,87	0,25	0,20
204L 05 03	Cromo	LED	GU5.3	3w	67,87	0,25	0,20
204L 52 03	Matt chrome	LED	GU5.3	3w	67,87	0,25	0,20
204L 57 03	Matt nickel	LED	GU5.3	3w	67,87	0,25	0,20



Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Adjustable circular aluminium

Protection degree IP20

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps. Adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. Easy installation, first mount pre-frames and later the external ring trim.
- Colours:** White, gold, cromo, chrome matt and nickel matt.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
203 01	White	-	GU5.3	-	6,61
203 03	Gold	-	GU5.3	-	9,11
203 05	Cromo	-	GU5.3	-	9,11
203 52	Matt chrome	-	GU5.3	-	9,11
203 57	Matt nickel	-	GU5.3	-	9,11

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
203L 01 05	White	LED	GU5.3	5w	46,51	0,25 0,20
203L 03 05	Gold	LED	GU5.3	5w	49,01	0,25 0,20
203L 05 05	Cromo	LED	GU5.3	5w	49,01	0,25 0,20
203L 52 05	Matt chrome	LED	GU5.3	5w	49,01	0,25 0,20
203L 57 05	Matt nickel	LED	GU5.3	5w	49,01	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
203 01 50	White	12v50w	GU5.3	50w	14,21	0,25
203 03 50	Gold	12v50w	GU5.3	50w	16,48	0,25
203 05 50	Cromo	12v50w	GU5.3	50w	16,48	0,25
203 52 50	Matt chrome	12v50w	GU5.3	50w	16,48	0,25
203 57 50	Matt nickel	12v50w	GU5.3	50w	16,48	0,25

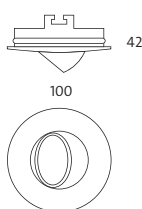
* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
203L 01 07	White	LED	GU5.3	7w	61,06	0,25 0,20
203L 03 07	Gold	LED	GU5.3	7w	63,56	0,25 0,20
203L 05 07	Cromo	LED	GU5.3	7w	63,56	0,25 0,20
203L 52 07	Matt chrome	LED	GU5.3	7w	63,56	0,25 0,20
203L 57 07	Matt nickel	LED	GU5.3	7w	63,56	0,25 0,20

* Supplied in a standard manner with 3100° K lamp



Includes driver and lamp MR16 LED RGB



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
203L 01 03	White	LED	GU5.3	3w	65,11	0,25 0,20
203L 03 03	Gold	LED	GU5.3	3w	67,61	0,25 0,20
203L 05 03	Cromo	LED	GU5.3	3w	67,61	0,25 0,20
203L 52 03	Matt chrome	LED	GU5.3	3w	67,61	0,25 0,20
203L 57 03	Matt nickel	LED	GU5.3	3w	67,61	0,25 0,20



Rough price increase of accesories		€
Ref. 3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Adjustable circular aluminium / Cibolín

Cibolín

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps, adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, cromo, chrome matt and nickel matt.



Includes lampholder GU5.3


Ref.	Colour	Lamp	L/H	W	€
291 01	White	-	GU5.3	-	24,03
291 02	Black	-	GU5.3	-	27,67
291 56	Matt nickel	-	GU5.3	-	27,67

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
LED 291L 01 05	White	LED	GU5.3	5w	63,93	0,25	0,20
291L 02 05	Black	LED	GU5.3	5w	67,57	0,25	0,20
291L 56 05	Matt nickel	LED	GU5.3	5w	67,57	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 291 01 50	White	12v50w	GU5.3	50w	29,97	0,25
291 02 50	Black	12v50w	GU5.3	50w	33,24	0,25
291 56 50	Matt nickel	12v50w	GU5.3	50w	33,24	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
LED 291L 01 07	White	LED	GU5.3	7w	78,48	0,25	0,20
291L 02 07	Black	LED	GU5.3	7w	82,12	0,25	0,20
291L 56 07	Matt nickel	LED	GU5.3	7w	82,12	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

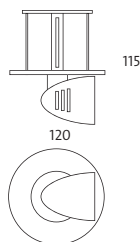
Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
LED 291L 01 03	White	LED	GU5.3	5w	81,37	0,25	0,20
291L 02 03	Black	LED	GU5.3	5w	84,64	0,25	0,20
291L 56 03	Matt nickel	LED	GU5.3	5w	84,64	0,25	0,20

Rough price increase of accesories

Ref.	€
3080 Controller MR16 LED RGB lamp	6,60

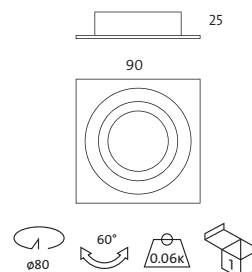
* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Logic

Protection degree IP20

- Material:** Turned aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Natural aluminium.



Logic square

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
227 00	Al. natural	-	GU5.3	-	13,92

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
227 00 50	Al. natural	12v50w	GU5.3	50w	20,89	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
227K 00 11	Al. natural	220v11w	GU-10	11w	23,21	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

LED

Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
227L 00 02	Al. natural	LED	GU-10	2w	25,23	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
227L 00 05	Al. natural	LED	GU5.3	5w	54,11	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
227L 00 07	Al. natural	LED	GU-10	7W	68,67	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

LED

Includes driver and MR16 LED RGB lamp



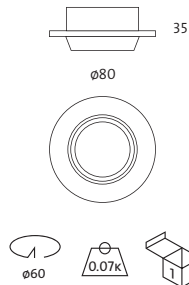
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
227L 00 03	Al. natural	LED	GU5.3	3w	71,25	0,25 0,20



Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Logic fixed

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
229 00	Al. natural	-	GU5.3	-	12,08

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229 00 50	Al. natural	12v50w	GU5.3	50w	19,05	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229K 00 11	Al. natural	220v11w	GU-10	11w	21,36	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

LED

Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229L 00 02	Al. natural	LED	GU-10	2w	23,39	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229L 00 05	Al. natural	LED	GU5.3	5w	52,23	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED

Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229L 00 07	Al. natural	LED	GU-10	7W	66,61	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

LED

Includes driver and LED lamp 7,2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229L 00 08	Al. natural	LED	-	7,2w	65,61	0,25 0,20

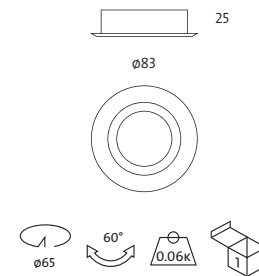
* Supplied in a standard manner with 3100° K lamp



LED

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
229L 00 03	Al. natural	LED	GU5.3	3w	69,42	0,25 0,20



Logic adjustable

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
228 00	Al. natural	-	GU5.3	-	11,01

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228 00 50	Al. natural	12v50w	GU5.3	50w	17,98	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228K 00 11	Al. natural	220v11w	GU-10	11w	20,28	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

LED

Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228L 00 02	Al. natural	LED	GU-10	2w	20,38	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228L 00 05	Al. natural	LED	GU5.3	5w	51,54	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED

Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228L 00 07	Al. natural	LED	GU-10	7W	65,44	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

LED

Includes driver and LED lamp 7,2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228L 00 08	Al. natural	LED	-	7,2w	64,44	0,25 0,20

* Supplied in a standard manner with 3100° K lamp



LED

Includes driver and MR16 LED RGB lamp

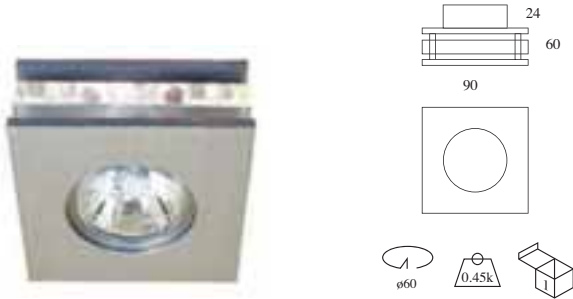
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
228L 00 03	Al. natural	LED	GU5.3	3w	68,35	0,25 0,20



Bravia

Protection degree IP20

- Material:** Aluminium and methacrylate.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Natural aluminium.



Bravia square

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
219 00	Al. natural	-	GU5.3	-	37,90

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
219 00 50	Al. natural	12v50w	GU5.3	50w	45,01	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
219K 00 11	Al. natural	220v11w	GU-10	11w	47,38	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

LED Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
219L 00 02	Al. natural	LED	GU-10	2w	49,44	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
219L 00 05	Al. natural	LED	GU5.3	5w	77,80	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
219L 00 07	Al. natural	LED	GU5.3	7W	92,35	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
219L 00 10 07	Al. natural	LED	GU-10	7w	90,95	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

LED Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
219L 00 03	Al. natural	LED	GU5.3	3w	96,40	0,25 0,20

Rough price increase of accesories

Ref.	€
3080 Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Bravia circular

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
220 00	Al. natural	-	GU5.3	-	36,97

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
220 00 50	Al. natural	12v50w	GU5.3	50w	44,08	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
220K 00 11	Al. natural	220v11w	GU-10	11w	46,45	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

LED Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
220L 00 02	Al. natural	LED	GU-10	2w	50,47	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
220L 00 05	Al. natural	LED	GU5.3	5w	76,87	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
220L 00 07	Al. natural	LED	GU5.3	7W	91,42	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

LED Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
220L 00 10 07	Al. natural	LED	GU-10	7w	89,60	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

LED Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
220L 00 03	Al. natural	LED	GU5.3	3w	95,48	0,25 0,20

Rough price increase of accesories

Ref.	€
3080 Controller MR16 LED RGB lamp	6,60

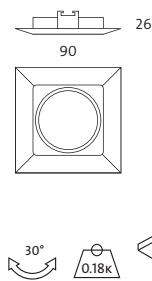
* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Square Zamak 50mm

Protection degree IP20

- Material:** Injected zamak thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, graphite, chrome, chrome matt and titanium.



Includes lampholder GU5.3



Ref.	Colour	Lamp	L/H	W	€
284 01	White	-	GU5.3	-	6,79
284 02	Black	-	GU5.3	-	8,24
284 03	Gold	-	GU5.3	-	8,24
284 04	Graphite	-	GU5.3	-	8,24
284 05	Chrome	-	GU5.3	-	8,24
284 52	Matt chrome	-	GU5.3	-	8,24
284 90	Titanium	-	GU5.3	-	8,24

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284 01 50	White	12v50w	GU5.3	50w	14,71	0,25
284 02 50	Black	12v50w	GU5.3	50w	16,09	0,25
284 03 50	Gold	12v50w	GU5.3	50w	16,09	0,25
284 04 50	Graphite	12v50w	GU5.3	50w	16,09	0,25
284 05 50	Chrome	12v50w	GU5.3	50w	16,09	0,25
284 52 50	Matt chrome	12v50w	GU5.3	50w	16,09	0,25
284 90 50	Titanium	12v50w	GU5.3	50w	16,09	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284K 01 11	White	220v11w	GU-10	11w	15,95	0,25 0,20
284K 02 11	Black	220v11w	GU-10	11w	17,33	0,25 0,20
284K 03 11	Gold	220v11w	GU-10	11w	17,33	0,25 0,20
284K 04 11	Graphite	220v11w	GU-10	11w	17,33	0,25 0,20
284K 05 11	Chrome	220v11w	GU-10	11w	17,33	0,25 0,20
284K 52 11	Matt chrome	220v11w	GU-10	11w	17,33	0,25 0,20
284K 90 11	Titanium	220v11w	GU-10	11w	17,33	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284L 01 02	White	LED	GU-10	2w	19,04	0,25 0,20
284L 02 02	Black	LED	GU-10	2w	20,42	0,25 0,20
284L 03 02	Gold	LED	GU-10	2w	20,42	0,25 0,20
284L 04 02	Graphite	LED	GU-10	2w	20,42	0,25 0,20
284L 05 02	Chrome	LED	GU-10	2w	20,42	0,25 0,20
284L 52 02	Matt chrome	LED	GU-10	2w	20,42	0,25 0,20
284L 90 02	Titanium	LED	GU-10	2w	20,42	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284L 01 05	White	LED	GU5.3	5w	46,69	0,25 0,20
284L 02 05	Black	LED	GU5.3	5w	48,14	0,25 0,20
284L 03 05	Gold	LED	GU5.3	5w	48,14	0,25 0,20
284L 04 05	Graphite	LED	GU5.3	5w	48,14	0,25 0,20
284L 05 05	Chrome	LED	GU5.3	5w	48,14	0,25 0,20
284L 52 05	Matt chrome	LED	GU5.3	5w	48,14	0,25 0,20
284L 90 05	Titanium	LED	GU5.3	5w	48,14	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284L 01 07	White	LED	GU5.3	7W	61,24	0,25 0,20
284L 02 07	Black	LED	GU5.3	7W	62,69	0,25 0,20
284L 03 07	Gold	LED	GU5.3	7W	62,69	0,25 0,20
284L 04 07	Graphite	LED	GU5.3	7W	62,69	0,25 0,20
284L 05 07	Chrome	LED	GU5.3	7W	62,69	0,25 0,20
284L 52 07	Matt chrome	LED	GU5.3	7W	62,69	0,25 0,20
284L 90 07	Titanium	LED	GU5.3	7W	62,69	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284L 01 10 07	White	LED	GU-10	7w	61,83	0,25 0,20
284L 02 10 07	Black	LED	GU-10	7w	63,21	0,25 0,20
284L 03 10 07	Gold	LED	GU-10	7w	63,21	0,25 0,20
284L 04 10 07	Graphite	LED	GU-10	7w	63,21	0,25 0,20
284L 05 10 07	Chrome	LED	GU-10	7w	63,21	0,25 0,20
284L 52 10 07	Matt chrome	LED	GU-10	7w	63,21	0,25 0,20
284L 90 10 07	Titanium	LED	GU-10	7w	63,21	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
284L 01 03	White	LED	GU5.3	3w	64,98	0,25 0,20
284L 02 03	Black	LED	GU5.3	3w	66,36	0,25 0,20
284L 03 03	Gold	LED	GU5.3	3w	66,36	0,25 0,20
284L 04 03	Graphite	LED	GU5.3	3w	66,36	0,25 0,20
284L 05 03	Chrome	LED	GU5.3	3w	66,36	0,25 0,20
284L 52 03	Matt chrome	LED	GU5.3	3w	66,36	0,25 0,20
284L 90 03	Titanium	LED	GU5.3	3w	66,36	0,25 0,20

Rough price increase of accesories



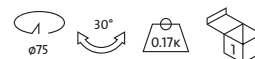
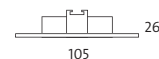
Ref.	€
3080 Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Star 50mm

Protection degree IP20

- Material:** Injected zamak thermo painted.
- Optics:** Optics incorporated in the lamps, oscillating system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, red, green, blue, chrome matt and titanium.



Includes lampholder GU5.3



Ref.	Colour	Lamp	L/H	W	€
285 01	White	-	GU5.3	-	6,91
285 02	Black	-	GU5.3	-	8,37
285 70	Red	-	GU5.3	-	8,37
285 45	Green	-	GU5.3	-	8,37
285 60	Blue	-	GU5.3	-	8,37
285 52	Matt chrome	-	GU5.3	-	8,37
285 90	Titanium	-	GU5.3	-	8,37

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285 01 50	White	12v50w	GU5.3	50w	14,83	0,25
285 02 50	Black	12v50w	GU5.3	50w	16,21	0,25
285 70 50	Red	12v50w	GU5.3	50w	16,21	0,25
285 45 50	Green	12v50w	GU5.3	50w	16,21	0,25
285 60 50	Blue	12v50w	GU5.3	50w	16,21	0,25
285 52 50	Matt chrome	12v50w	GU5.3	50w	16,21	0,25
285 90 50	Titanium	12v50w	GU5.3	50w	16,21	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285K 01 11	White	220v11w	GU-10	11w	16,06	0,25 0,20
285K 02 11	Black	220v11w	GU-10	11w	17,33	0,25 0,20
285K 70 11	Red	220v11w	GU-10	11w	17,33	0,25 0,20
285K 45 11	Green	220v11w	GU-10	11w	17,33	0,25 0,20
285K 60 11	Blue	220v11w	GU-10	11w	17,33	0,25 0,20
285K 52 11	Matt chrome	220v11w	GU-10	11w	17,33	0,25 0,20
285K 90 11	Titanium	220v11w	GU-10	11w	17,33	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285L 01 02	White	LED	GU-10	2w	19,15	0,25 0,20
285L 02 02	Black	LED	GU-10	2w	20,53	0,25 0,20
285L 70 02	Red	LED	GU-10	2w	20,53	0,25 0,20
285L 45 02	Green	LED	GU-10	2w	20,53	0,25 0,20
285L 60 02	Blue	LED	GU-10	2w	20,53	0,25 0,20
285L 52 02	Matt chrome	LED	GU-10	2w	20,53	0,25 0,20
285L 90 02	Titanium	LED	GU-10	2w	20,53	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285L 01 05	White	LED	GU5.3	5w	46,81	0,25 0,20
285L 02 05	Black	LED	GU5.3	5w	48,27	0,25 0,20
285L 70 05	Red	LED	GU5.3	5w	48,27	0,25 0,20
285L 45 05	Green	LED	GU5.3	5w	48,27	0,25 0,20
285L 60 05	Blue	LED	GU5.3	5w	48,27	0,25 0,20
285L 52 05	Matt chrome	LED	GU5.3	5w	48,27	0,25 0,20
285L 90 05	Titanium	LED	GU5.3	5w	48,27	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285L 01 07	White	LED	GU5.3	7w	61,36	0,25 0,20
285L 02 07	Black	LED	GU5.3	7w	62,82	0,25 0,20
285L 70 07	Red	LED	GU5.3	7w	62,82	0,25 0,20
285L 45 07	Green	LED	GU5.3	7w	62,82	0,25 0,20
285L 60 07	Blue	LED	GU5.3	7w	62,82	0,25 0,20
285L 52 07	Matt chrome	LED	GU5.3	7w	62,82	0,25 0,20
285L 90 07	Titanium	LED	GU5.3	7w	62,82	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285L 01 10 07	White	LED	GU-10	7W	61,94	0,25 0,20
285L 02 10 07	Black	LED	GU-10	7W	63,32	0,25 0,20
285L 70 10 07	Red	LED	GU-10	7W	63,32	0,25 0,20
285L 45 10 07	Green	LED	GU-10	7W	63,32	0,25 0,20
285L 60 10 07	Blue	LED	GU-10	7W	63,32	0,25 0,20
285L 52 10 07	Matt chrome	LED	GU-10	7W	63,32	0,25 0,20
285L 90 10 07	Titanium	LED	GU-10	7W	63,32	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
285L 01 03	White	LED	GU5.3	3w	65,09	0,25 0,20
285L 02 03	Black	LED	GU5.3	3w	66,47	0,25 0,20
285L 70 03	Red	LED	GU5.3	3w	66,47	0,25 0,20
285L 45 03	Green	LED	GU5.3	3w	66,47	0,25 0,20
285L 60 03	Blue	LED	GU5.3	3w	66,47	0,25 0,20
285L 52 03	Matt chrome	LED	GU5.3	3w	66,47	0,25 0,20
285L 90 03	Titanium	LED	GU5.3	3w	66,47	0,25 0,20

Rough price increase of accessories

Ref.	Accessory	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Adjustable Zamak 50mm

Protection degree IP20

- Material:** Injected zamak thermo painted.
- Optics:** Optics incorporated in the lamps, adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, graphite, chrome and chrome matt.

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
286 01	White	-	GU5.3	-	4,70
286 02	Black	-	GU5.3	-	6,20
286 03	Gold	-	GU5.3	-	6,20
286 04	Graphite	-	GU5.3	-	6,20
286 05	Chrome	-	GU5.3	-	6,20
286 52	Matt chrome	-	GU5.3	-	6,20

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286 01 50	White	12v50w	GU5.3	50w	12,94	0,25
286 02 50	Black	12v50w	GU5.3	50w	14,12	0,25
286 03 50	Gold	12v50w	GU5.3	50w	14,12	0,25
286 04 50	Graphite	12v50w	GU5.3	50w	14,12	0,25
286 05 50	Chrome	12v50w	GU5.3	50w	14,12	0,25
286 52 50	Matt chrome	12v50w	GU5.3	50w	14,12	0,25

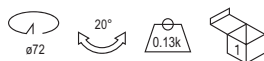
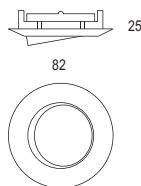
* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286K 01 11	White	220v11w	GU-10	11w	14,18	0,25 0,20
286K 02 11	Black	220v11w	GU-10	11w	15,35	0,25 0,20
286K 03 11	Gold	220v11w	GU-10	11w	15,35	0,25 0,20
286K 04 11	Graphite	220v11w	GU-10	11w	15,35	0,25 0,20
286K 05 11	Chrome	220v11w	GU-10	11w	15,35	0,25 0,20
286K 52 11	Matt chrome	220v11w	GU-10	11w	15,35	0,25 0,20

* Supplied in a standard manner with 40° opening lamp



Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286L 01 02	White	LED	GU-10	2w	17,27	0,25 0,20
286L 02 02	Black	LED	GU-10	2w	18,44	0,25 0,20
286L 03 02	Gold	LED	GU-10	2w	18,44	0,25 0,20
286L 04 02	Graphite	LED	GU-10	2w	18,44	0,25 0,20
286L 05 02	Chrome	LED	GU-10	2w	18,44	0,25 0,20
286L 52 02	Matt chrome	LED	GU-10	2w	18,44	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286L 01 05	White	LED	GU5.3	5w	44,60	0,25 0,20
286L 02 05	Black	LED	GU5.3	5w	45,78	0,25 0,20
286L 03 05	Gold	LED	GU5.3	5w	45,78	0,25 0,20
286L 04 05	Graphite	LED	GU5.3	5w	45,78	0,25 0,20
286L 05 05	Chrome	LED	GU5.3	5w	45,78	0,25 0,20
286L 52 05	Matt chrome	LED	GU5.3	5w	45,78	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286L 01 07	White	LED	GU5.3	7w	59,15	0,25 0,20
286L 02 07	Black	LED	GU5.3	7w	60,33	0,25 0,20
286L 03 07	Gold	LED	GU5.3	7w	60,33	0,25 0,20
286L 04 07	Graphite	LED	GU5.3	7w	60,33	0,25 0,20
286L 05 07	Chrome	LED	GU5.3	7w	60,33	0,25 0,20
286L 52 07	Matt chrome	LED	GU5.3	7w	60,33	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286L 01 10 07	White	LED	GU-10	7w	60,06	0,25 0,20
286L 02 10 07	Black	LED	GU-10	7w	61,23	0,25 0,20
286L 03 10 07	Gold	LED	GU-10	7w	61,23	0,25 0,20
286L 04 10 07	Graphite	LED	GU-10	7w	61,23	0,25 0,20
286L 05 10 07	Chrome	LED	GU-10	7w	61,23	0,25 0,20
286L 52 10 07	Matt chrome	LED	GU-10	7w	61,23	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
286L 01 03	White	LED	GU5.3	3w	63,21	0,25 0,20
286L 02 03	Black	LED	GU5.3	3w	64,38	0,25 0,20
286L 03 03	Gold	LED	GU5.3	3w	64,38	0,25 0,20
286L 04 03	Graphite	LED	GU5.3	3w	64,38	0,25 0,20
286L 05 03	Chrome	LED	GU5.3	3w	64,38	0,25 0,20
286L 52 03	Matt chrome	LED	GU5.3	3w	64,38	0,25 0,20

Fixed Zamak 50mm

Protection degree IP20

- Material:** Injected zamak thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, graphite, chrome and chrome matt.

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
287 01	White	-	GU5.3	-	3,09
287 02	Black	-	GU5.3	-	3,96
287 03	Gold	-	GU5.3	-	3,96
287 04	Graphite	-	GU5.3	-	3,96
287 05	Chrome	-	GU5.3	-	3,96
287 52	Matt chrome	-	GU5.3	-	3,96

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287 01 50	White	12v50w	GU5.3	50w	11,40	0,25
287 02 50	Black	12v50w	GU5.3	50w	12,20	0,25
287 03 50	Gold	12v50w	GU5.3	50w	12,20	0,25
287 04 50	Graphite	12v50w	GU5.3	50w	12,20	0,25
287 05 50	Chrome	12v50w	GU5.3	50w	12,20	0,25
287 52 50	Matt chrome	12v50w	GU5.3	50w	12,20	0,25

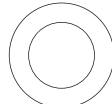
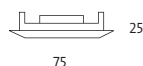
* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287K 01 11	White	220v11w	GU-10	11w	12,63	0,25 0,20
287K 02 11	Black	220v11w	GU-10	11w	13,44	0,25 0,20
287K 03 11	Gold	220v11w	GU-10	11w	13,44	0,25 0,20
287K 04 11	Graphite	220v11w	GU-10	11w	13,44	0,25 0,20
287K 05 11	Chrome	220v11w	GU-10	11w	13,44	0,25 0,20
287K 52 11	Matt chrome	220v11w	GU-10	11w	13,44	0,25 0,20

* Supplied in a standard manner with 40° opening lamp



Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287L 01 02	White	LED	GU-10	2w	15,72	0,25 0,20
287L 02 02	Black	LED	GU-10	2w	16,53	0,25 0,20
287L 03 02	Gold	LED	GU-10	2w	16,53	0,25 0,20
287L 04 02	Graphite	LED	GU-10	2w	16,53	0,25 0,20
287L 05 02	Chrome	LED	GU-10	2w	16,53	0,25 0,20
287L 52 02	Matt chrome	LED	GU-10	2w	16,53	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287L 01 05	White	LED	GU5.3	5w	42,90	0,25 0,20
287L 02 05	Black	LED	GU5.3	5w	43,86	0,25 0,20
287L 03 05	Gold	LED	GU5.3	5w	43,86	0,25 0,20
287L 04 05	Graphite	LED	GU5.3	5w	43,86	0,25 0,20
287L 05 05	Chrome	LED	GU5.3	5w	43,86	0,25 0,20
287L 52 05	Matt chrome	LED	GU5.3	5w	43,86	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287L 01 07	White	LED	GU5.3	7w	57,45	0,25 0,20
287L 02 07	Black	LED	GU5.3	7w	58,43	0,25 0,20
287L 03 07	Gold	LED	GU5.3	7w	58,43	0,25 0,20
287L 04 07	Graphite	LED	GU5.3	7w	58,43	0,25 0,20
287L 05 07	Chrome	LED	GU5.3	7w	58,43	0,25 0,20
287L 52 07	Matt chrome	LED	GU5.3	7w	58,43	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287L 01 10 07	White	LED	GU-10	7w	58,51	0,25 0,20
287L 02 10 07	Black	LED	GU-10	7w	59,31	0,25 0,20
287L 03 10 07	Gold	LED	GU-10	7w	59,31	0,25 0,20
287L 04 10 07	Graphite	LED	GU-10	7w	59,31	0,25 0,20
287L 05 10 07	Chrome	LED	GU-10	7w	59,31	0,25 0,20
287L 52 10 07	Matt chrome	LED	GU-10	7w	59,31	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
287L 01 03	White	LED	GU5.3	3w	61,66	0,25 0,20
287L 02 03	Black	LED	GU5.3	3w	62,46	0,25 0,20
287L 03 03	Gold	LED	GU5.3	3w	62,46	0,25 0,20
287L 04 03	Graphite	LED	GU5.3	3w	62,46	0,25 0,20
287L 05 03	Chrome	LED	GU5.3	3w	62,46	0,25 0,20
287L 52 03	Matt chrome	LED	GU5.3	3w	62,46	0,25 0,20

Fixed without edge 50mm

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. Due to the minimum thickness of the frame (0.03 mm) it can be placed into the same embedding level.
- Colours:** White, black, gold, graphite, chrome and chrome matt.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
298 01	White	-	GU5.3	-	2,30
298 02	Black	-	GU5.3	-	3,50
298 03	Gold	-	GU5.3	-	3,50
298 04	Graphite	-	GU5.3	-	3,50
298 05	Chrome	-	GU5.3	-	3,50
298 52	Matt chrome	-	GU5.3	-	3,50

Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
298L 01 02	White	LED	GU-10	2w	14,74	0,25 0,20
298L 02 02	Black	LED	GU-10	2w	15,86	0,25 0,20
298L 03 02	Gold	LED	GU-10	2w	15,86	0,25 0,20
298L 04 02	Graphite	LED	GU-10	2w	15,86	0,25 0,20
298L 05 02	Chrome	LED	GU-10	2w	15,86	0,25 0,20
298L 52 02	Matt chrome	LED	GU-10	2w	15,86	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
298 01 50	White	12v50w	GU5.3	50w	10,42	0,25
298 02 50	Black	12v50w	GU5.3	50w	11,53	0,25
298 03 50	Gold	12v50w	GU5.3	50w	11,53	0,25
298 04 50	Graphite	12v50w	GU5.3	50w	11,53	0,25
298 05 50	Chrome	12v50w	GU5.3	50w	11,53	0,25
298 52 50	Matt chrome	12v50w	GU5.3	50w	11,53	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
298L 01 05	White	LED	GU5.3	5w	42,20	0,25 0,20
298L 02 05	Black	LED	GU5.3	5w	43,40	0,25 0,20
298L 03 05	Gold	LED	GU5.3	5w	43,40	0,25 0,20
298L 04 05	Graphite	LED	GU5.3	5w	43,40	0,25 0,20
298L 05 05	Chrome	LED	GU5.3	5w	43,40	0,25 0,20
298L 52 05	Matt chrome	LED	GU5.3	5w	43,40	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LOW CONSUMPTION lamp 11w GU-10

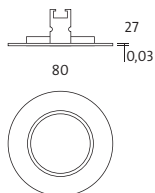
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
298K 01 11	White	220v11w	GU-10	11w	11,65	0,25 0,20
298K 02 11	Black	220v11w	GU-10	11w	12,77	0,25 0,20
298K 03 11	Gold	220v11w	GU-10	11w	12,77	0,25 0,20
298K 04 11	Graphite	220v11w	GU-10	11w	12,77	0,25 0,20
298K 05 11	Chrome	220v11w	GU-10	11w	12,77	0,25 0,20
298K 52 11	Matt chrome	220v11w	GU-10	11w	12,77	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
298L 01 07	White	LED	GU5.3	7w	56,75	0,25 0,20
298L 02 07	Black	LED	GU5.3	7w	57,95	0,25 0,20
298L 03 07	Gold	LED	GU5.3	7w	57,95	0,25 0,20
298L 04 07	Graphite	LED	GU5.3	7w	57,95	0,25 0,20
298L 05 07	Chrome	LED	GU5.3	7w	57,95	0,25 0,20
298L 52 07	Matt chrome	LED	GU5.3	7w	57,95	0,25 0,20

* Supplied in a standard manner with 3000° K lamp



Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
298L 01 10 07	White	LED	GU-10	7w	58,56	0,25 0,20
298L 02 10 07	Black	LED	GU-10	7w	59,76	0,25 0,20
298L 03 10 07	Gold	LED	GU-10	7w	59,76	0,25 0,20
298L 04 10 07	Graphite	LED	GU-10	7w	59,76	0,25 0,20
298L 05 10 07	Chrome	LED	GU-10	7w	59,76	0,25 0,20
298L 52 10 07	Matt chrome	LED	GU-10	7w	59,76	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
298L 01 03	White	LED	GU5.3	3w	60,79	0,25 0,20
298L 02 03	Black	LED	GU5.3	3w	61,80	0,25 0,20
298L 03 03	Gold	LED	GU5.3	3w	61,80	0,25 0,20
298L 04 03	Graphite	LED	GU5.3	3w	61,80	0,25 0,20
298L 05 03	Chrome	LED	GU5.3	3w	61,80	0,25 0,20
298L 52 03	Matt chrome	LED	GU5.3	3w	61,80	0,25 0,20

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Fixed without edge / Adjustable 50mm

Adjustable 50mm

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps. Oscillating system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, graphite, chrome and chrome matt.

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
201 01	White	-	GU5.3	-	3,97
201 02	Black	-	GU5.3	-	5,97
201 03	Gold	-	GU5.3	-	5,97
201 04	Graphite	-	GU5.3	-	5,97
201 05	Chrome	-	GU5.3	-	5,97
201 52	Matt chrome	-	GU5.3	-	5,97

Includes electronic equipment and DICHROIC HALOGEN lamp

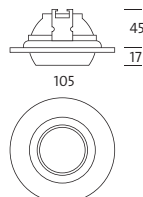
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
201 01 50	White	12v50w	GU5.3	50w	12,21	0,25
201 02 50	Black	12v50w	GU5.3	50w	14,27	0,25
201 03 50	Gold	12v50w	GU5.3	50w	14,27	0,25
201 04 50	Graphite	12v50w	GU5.3	50w	14,27	0,25
201 05 50	Chrome	12v50w	GU5.3	50w	14,27	0,25
201 52 50	Matt chrome	12v50w	GU5.3	50w	14,27	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
201K 01 11	White	220v11w	GU-10	11w	11,65	0,25	0,20
201K 02 11	Black	220v11w	GU-10	11w	12,77	0,25	0,20
201K 03 11	Gold	220v11w	GU-10	11w	12,77	0,25	0,20
201K 04 11	Graphite	220v11w	GU-10	11w	12,77	0,25	0,20
201K 05 11	Chrome	220v11w	GU-10	11w	12,77	0,25	0,20
201K 52 11	Matt chrome	220v11w	GU-10	11w	12,77	0,25	0,20

* Supplied in a standard manner with 40° opening lamp



Rough price increase of accesories		€
Ref. 3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
201L 01 02	White	LED	GU-10	2w	14,74	0,25 0,20
201L 02 02	Black	LED	GU-10	2w	15,86	0,25 0,20
201L 03 02	Gold	LED	GU-10	2w	15,86	0,25 0,20
201L 04 02	Graphite	LED	GU-10	2w	15,86	0,25 0,20
201L 05 02	Chrome	LED	GU-10	2w	15,86	0,25 0,20
201L 52 02	Matt chrome	LED	GU-10	2w	15,86	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
201L 01 05	White	LED	GU5.3	5w	43,87	0,25 0,20
201L 02 05	Black	LED	GU5.3	5w	45,87	0,25 0,20
201L 03 05	Gold	LED	GU5.3	5w	45,87	0,25 0,20
201L 04 05	Graphite	LED	GU5.3	5w	45,87	0,25 0,20
201L 05 05	Chrome	LED	GU5.3	5w	45,87	0,25 0,20
201L 52 05	Matt chrome	LED	GU5.3	5w	45,87	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
201L 01 07	White	LED	GU5.3	7w	58,42	0,25 0,20
201L 02 07	Black	LED	GU5.3	7w	60,42	0,25 0,20
201L 03 07	Gold	LED	GU5.3	7w	49,74	0,25 0,20
201L 04 07	Graphite	LED	GU5.3	7w	49,74	0,25 0,20
201L 05 07	Chrome	LED	GU5.3	7w	49,74	0,25 0,20
201L 52 07	Matt chrome	LED	GU5.3	7w	49,74	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
201L 01 10 07	White	LED	GU-10	7w	58,56	0,25 0,20
201L 02 10 07	Black	LED	GU-10	7w	60,56	0,25 0,20
201L 03 10 07	Gold	LED	GU-10	7w	60,56	0,25 0,20
201L 04 10 07	Graphite	LED	GU-10	7w	60,56	0,25 0,20
201L 05 10 07	Chrome	LED	GU-10	7w	60,56	0,25 0,20
201L 52 10 07	Matt chrome	LED	GU-10	7w	60,56	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

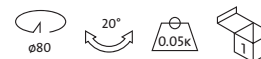
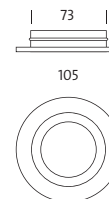
Includes driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
201L 01 03	White	LED	GU5.3	3w	60,79	0,25 0,20
201L 02 03	Black	LED	GU5.3	3w	61,80	0,25 0,20
201L 03 03	Gold	LED	GU5.3	3w	61,80	0,25 0,20
201L 04 03	Graphite	LED	GU5.3	3w	61,80	0,25 0,20
201L 05 03	Chrome	LED	GU5.3	3w	61,80	0,25 0,20
201L 52 03	Matt chrome	LED	GU5.3	3w	61,80	0,25 0,20

Oscillating 50mm

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps. Oscillating system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, graphite, chrome and chrome matt.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
207 01	White	-	GU5.3	-	4,38
207 02	Black	-	GU5.3	-	6,41
207 03	Gold	-	GU5.3	-	6,41
207 04	Graphite	-	GU5.3	-	6,41
207 05	Chrome	-	GU5.3	-	6,41
207 52	Matt chrome	-	GU5.3	-	6,41

Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
207L 01 02	White	LED	GU-10	2w	16,95	0,25 0,20
207L 02 02	Black	LED	GU-10	2w	18,98	0,25 0,20
207L 03 02	Gold	LED	GU-10	2w	18,98	0,25 0,20
207L 04 02	Graphite	LED	GU-10	2w	18,98	0,25 0,20
207L 05 02	Chrome	LED	GU-10	2w	18,98	0,25 0,20
207L 52 02	Matt chrome	LED	GU-10	2w	18,98	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
207 01 50	White	12v50w	GU5.3	50w	12,62	0,25
207 02 50	Black	12v50w	GU5.3	50w	14,65	0,25
207 03 50	Gold	12v50w	GU5.3	50w	14,65	0,25
207 04 50	Graphite	12v50w	GU5.3	50w	14,65	0,25
207 05 50	Chrome	12v50w	GU5.3	50w	14,65	0,25
207 52 50	Matt chrome	12v50w	GU5.3	50w	14,65	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
207L 01 05	White	LED	GU5.3	5w	44,28	0,25 0,20
207L 02 05	Black	LED	GU5.3	5w	48,02	0,25 0,20
207L 03 05	Gold	LED	GU5.3	5w	48,02	0,25 0,20
207L 04 05	Graphite	LED	GU5.3	5w	48,02	0,25 0,20
207L 05 05	Chrome	LED	GU5.3	5w	48,02	0,25 0,20
207L 52 05	Matt chrome	LED	GU5.3	5w	48,02	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
207K 01 11	White	220v11w	GU-10	11w	13,86	0,25	0,20
207K 02 11	Black	220v11w	GU-10	11w	15,89	0,25	0,20
207K 03 11	Gold	220v11w	GU-10	11w	15,89	0,25	0,20
207K 04 11	Graphite	220v11w	GU-10	11w	15,89	0,25	0,20
207K 05 11	Chrome	220v11w	GU-10	11w	15,89	0,25	0,20
207K 52 11	Matt chrome	220v11w	GU-10	11w	15,89	0,25	0,20

* Supplied in a standard manner with 40° opening lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
207L 01 07	White	LED	GU5.3	7W	50,84	0,25	0,20
207L 02 07	Black	LED	GU5.3	7W	52,86	0,25	0,20
207L 03 07	Gold	LED	GU5.3	7W	52,86	0,25	0,20
207L 04 07	Graphite	LED	GU5.3	7W	52,86	0,25	0,20
207L 05 07	Chrome	LED	GU5.3	7W	52,86	0,25	0,20
207L 52 07	Matt chrome	LED	GU5.3	7W	52,86	0,25	0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
207L 01 10 07	White	LED	GU-10	7w	59,74	0,25	0,20
207L 02 10 07	Black	LED	GU-10	7w	61,76	0,25	0,20
207L 03 10 07	Gold	LED	GU-10	7w	61,76	0,25	0,20
207L 04 10 07	Graphite	LED	GU-10	7w	61,76	0,25	0,20
207L 05 10 07	Chrome	LED	GU-10	7w	61,76	0,25	0,20
207L 52 10 07	Matt chrome	LED	GU-10	7w	61,76	0,25	0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
207L 01 03	White	LED	GU5.3	3w	65,89	0,25	0,20
207L 02 03	Black	LED	GU5.3	3w	64,92	0,25	0,20
207L 03 03	Gold	LED	GU5.3	3w	64,92	0,25	0,20
207L 04 03	Graphite	LED	GU5.3	3w	64,92	0,25	0,20
207L 05 03	Chrome	LED	GU5.3	3w	64,92	0,25	0,20
207L 52 03	Matt chrome	LED	GU5.3	3w	64,92	0,25	0,20



Ref.	Controller MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Oscillating / Fixed circular 50mm

Fixed circular 50mm

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, graphite, chrome and chrome matt.

Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
202 01	White	-	GU5.3	-	1,81
202 02	Black	-	GU5.3	-	2,55
202 03	Gold	-	GU5.3	-	2,55
202 04	Graphite	-	GU5.3	-	2,55
202 05	Chrome	-	GU5.3	-	2,55
202 52	Matt chrome	-	GU5.3	-	2,55

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202 01 50	White	12v50w	GU5.3	50w	10,05	0,25
202 02 50	Black	12v50w	GU5.3	50w	10,79	0,25
202 03 50	Gold	12v50w	GU5.3	50w	10,79	0,25
202 04 50	Graphite	12v50w	GU5.3	50w	10,79	0,25
202 05 50	Chrome	12v50w	GU5.3	50w	10,79	0,25
202 52 50	Matt chrome	12v50w	GU5.3	50w	10,79	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



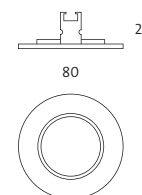
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202K 01 11	White	220v11w	GU-10	11w	11,01	0,25 0,20
202K 02 11	Black	220v11w	GU-10	11w	12,03	0,25 0,20
202K 03 11	Gold	220v11w	GU-10	11w	12,03	0,25 0,20
202K 04 11	Graphite	220v11w	GU-10	11w	12,03	0,25 0,20
202K 05 11	Chrome	220v11w	GU-10	11w	12,03	0,25 0,20
202K 52 11	Matt chrome	220v11w	GU-10	11w	12,03	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202L 01 02	White	LED	GU-10	2w	14,37	0,25 0,20
202L 02 02	Black	LED	GU-10	2w	15,15	0,25 0,20
202L 03 02	Gold	LED	GU-10	2w	15,12	0,25 0,20
202L 04 02	Graphite	LED	GU-10	2w	15,12	0,25 0,20
202L 05 02	Chrome	LED	GU-10	2w	15,12	0,25 0,20
202L 52 02	Matt chrome	LED	GU-10	2w	15,12	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202L 01 05	White	LED	GU5.3	5w	41,71	0,25 0,20
202L 02 05	Black	LED	GU5.3	5w	42,45	0,25 0,20
202L 03 05	Gold	LED	GU5.3	5w	42,45	0,25 0,20
202L 04 05	Graphite	LED	GU5.3	5w	42,45	0,25 0,20
202L 05 05	Chrome	LED	GU5.3	5w	42,45	0,25 0,20
202L 52 05	Matt chrome	LED	GU5.3	5w	42,45	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202L 01 07	White	LED	GU5.3	7w	56,26	0,25 0,20
202L 02 07	Black	LED	GU5.3	7w	57,00	0,25 0,20
202L 03 07	Gold	LED	GU5.3	7w	57,00	0,25 0,20
202L 04 07	Graphite	LED	GU5.3	7w	57,00	0,25 0,20
202L 05 07	Chrome	LED	GU5.3	7w	57,00	0,25 0,20
202L 52 07	Matt chrome	LED	GU5.3	7w	57,00	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202L 01 10 07	White	LED	GU-10	7w	57,16	0,25 0,20
202L 02 10 07	Black	LED	GU-10	7w	57,90	0,25 0,20
202L 03 10 07	Gold	LED	GU-10	7w	57,90	0,25 0,20
202L 04 10 07	Graphite	LED	GU-10	7w	57,90	0,25 0,20
202L 05 10 07	Chrome	LED	GU-10	7w	57,90	0,25 0,20
202L 52 10 07	Matt chrome	LED	GU-10	7w	57,90	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Includes driver and MR16 LED RGB lamp

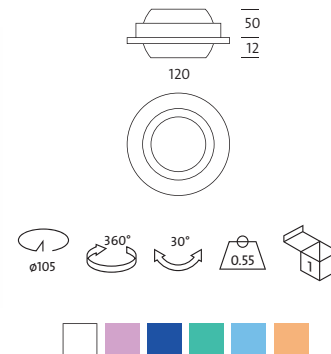


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
202L 01 03	White	LED	GU5.3	3w	60,31	0,25 0,20
202L 02 03	Black	LED	GU5.3	3w	61,05	0,25 0,20
202L 03 03	Gold	LED	GU5.3	3w	61,05	0,25 0,20
202L 04 03	Graphite	LED	GU5.3	3w	61,05	0,25 0,20
202L 05 03	Chrome	LED	GU5.3	3w	61,05	0,25 0,20
202L 52 03	Matt chrome	LED	GU5.3	3w	61,05	0,25 0,20

Adjustable glass

Protection degree IP20

- Material:** Natural or colored matt glass.
- Optics:** Optics incorporated in the lamps, adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps 50w and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Matt white, pink, blue, green, light blue, marble and yellow.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
215 06	Matt white	-	GU5.3	-	17,70
215 07	Pink	-	GU5.3	-	19,87
215 08	Blue	-	GU5.3	-	19,87
215 09	Green	-	GU5.3	-	24,34
215 10	Light blue	-	GU5.3	-	24,34
215 11	Marble	-	GU5.3	-	24,34

Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
215L 06 02	Matt white	LED	GU-10	2w	30,27	0,25 0,20
215L 07 02	Pink	LED	GU-10	2w	32,44	0,25 0,20
215L 08 02	Blue	LED	GU-10	2w	32,44	0,25 0,20
215L 09 02	Green	LED	GU-10	2w	36,91	0,25 0,20
215L 10 02	Light blue	LED	GU-10	2w	36,91	0,25 0,20
215L 11 02	Marble	LED	GU-10	2w	36,91	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
215 06 50	Matt white	12v50w	GU5.3	50w	24,81	0,25
215 07 50	Pink	12v50w	GU5.3	50w	26,98	0,25
215 08 50	Blue	12v50w	GU5.3	50w	26,98	0,25
215 09 50	Green	12v50w	GU5.3	50w	31,45	0,25
215 10 50	Light blue	12v50w	GU5.3	50w	31,45	0,25
215 11 50	Marble	12v50w	GU5.3	50w	31,45	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
215L 06 05	Matt white	LED	GU5.3	5w	57,80	0,25 0,20
215L 07 05	Pink	LED	GU5.3	5w	59,77	0,25 0,20
215L 08 05	Blue	LED	GU5.3	5w	59,77	0,25 0,20
215L 09 05	Green	LED	GU5.3	5w	64,24	0,25 0,20
215L 10 05	Light blue	LED	GU5.3	5w	64,24	0,25 0,20
215L 11 05	Marble	LED	GU5.3	5w	64,24	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
215L 06 07	Matt white	LED	GU5.3	7w	75,90	0,25 0,20
215L 07 07	Pink	LED	GU5.3	7w	77,87	0,25 0,20
215L 08 07	Blue	LED	GU5.3	7w	77,87	0,25 0,20
215L 09 07	Green	LED	GU5.3	7w	82,34	0,25 0,20
215L 10 07	Light blue	LED	GU5.3	7w	82,34	0,25 0,20
215L 11 07	Marble	LED	GU5.3	7w	82,34	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and lamp MR16 LED RGB



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
215L 06 03	Matt white	LED	GU5.3	3w	69,10	0,25 0,20
215L 07 03	Pink	LED	GU5.3	3w	71,27	0,25 0,20
215L 08 03	Blue	LED	GU5.3	3w	71,27	0,25 0,20
215L 09 03	Green	LED	GU5.3	3w	75,74	0,25 0,20
215L 10 03	Light blue	LED	GU5.3	3w	75,74	0,25 0,20
215L 11 03	Marble	LED	GU5.3	3w	75,74	0,25 0,20

Rough price increase of accessories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

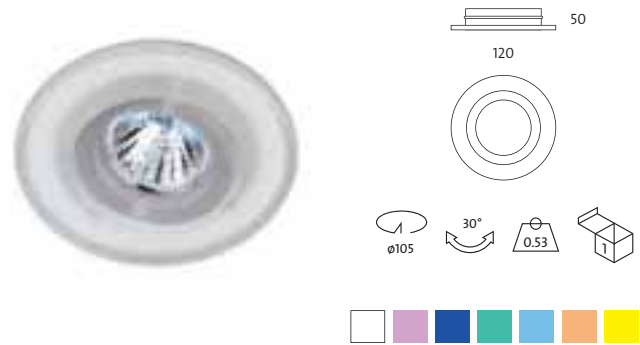
* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Oscillating glass

Protection degree IP20

- Material:** Natural or colored matt glass.
- Optics:** Optics incorporated in the lamps. Oscillating system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps 50w and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Matt white, pink, blue, green, light blue, marble and yellow.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
217 06	Matt white	-	GU5.3	-	18,82
217 07	Pink	-	GU5.3	-	20,40
217 08	Blue	-	GU5.3	-	20,40
217 09	Green	-	GU5.3	-	23,83
217 11	Marble	-	GU5.3	-	23,83

Includes driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
217L 06 05	Matt white	LED	GU5.3	5w	58,72	0,25 0,20
217L 07 05	Pink	LED	GU5.3	5w	60,30	0,25 0,20
217L 08 05	Blue	LED	GU5.3	5w	60,30	0,25 0,20
217L 09 05	Green	LED	GU5.3	5w	63,73	0,25 0,20
217L 11 05	Marble	LED	GU5.3	5w	63,73	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes electronic equipment and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
217 06 50	Matt white	12v50w	GU5.3	50w	25,93	0,25
217 07 50	Pink	12v50w	GU5.3	50w	27,51	0,25
217 08 50	Blue	12v50w	GU5.3	50w	27,51	0,25
217 09 50	Green	12v50w	GU5.3	50w	30,94	0,25
217 11 50	Marble	12v50w	GU5.3	50w	30,94	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
217L 06 07	Matt white	LED	GU5.3	7w	76,10	0,25 0,20
217L 07 07	Pink	LED	GU5.3	7w	78,20	0,25 0,20
217L 08 07	Blue	LED	GU5.3	7w	78,20	0,25 0,20
217L 09 07	Green	LED	GU5.3	7w	81,23	0,25 0,20
217L 11 07	Marble	LED	GU5.3	7w	81,23	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 2W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
217L 06 02	Matt white	LED	GU-10	2w	31,39	0,25 0,20
217L 07 02	Pink	LED	GU-10	2w	32,97	0,25 0,20
217L 08 02	Blue	LED	GU-10	2w	32,97	0,25 0,20
217L 09 02	Green	LED	GU-10	2w	36,40	0,25 0,20
217L 11 02	Marble	LED	GU-10	2w	36,40	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
217L 06 10 07	Matt white	LED	GU-10	7W	74,18	0,25 0,20
217L 07 10 07	Pink	LED	GU-10	7W	81,40	0,25 0,20
217L 08 10 07	Blue	LED	GU-10	7W	81,40	0,25 0,20
217L 09 10 07	Green	LED	GU-10	7W	84,83	0,25 0,20
217L 11 10 07	Marble	LED	GU-10	7W	84,83	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and lamp MR16 LED RGB

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
217L 06 03	Matt white	LED	GU5.3	3w	77,33	0,25 0,20
217L 07 03	Pink	LED	GU5.3	3w	78,90	0,25 0,20
217L 08 03	Blue	LED	GU5.3	3w	78,90	0,25 0,20
217L 09 03	Green	LED	GU5.3	3w	82,33	0,25 0,20
217L 11 03	Marble	LED	GU5.3	3w	82,33	0,25 0,20



Rough price increase of accessories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Fixed glass

Fixed glass

Protection degree IP20

- Material:** Natural or colored matt glass.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps 50w and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Matt white, pink, blue, green, light blue, marble and yellow.



Includes lampholder GU5.3

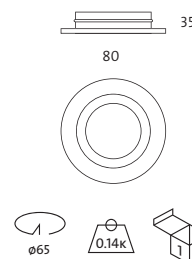
Ref.	Colour	Lamp	L/H	W	€V
216 06	Matt white	-	GU5.3	-	10,15
216 07	Pink	-	GU5.3	-	11,11
216 08	Blue	-	GU5.3	-	11,11
216 09	Green	-	GU5.3	-	12,80
216 10	Light blue	-	GU5.3	-	12,80
216 11	Marble	-	GU5.3	-	12,80
216 12	Yellow	-	GU5.3	-	12,80

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
216 06 50	Matt white	12v50w	GU5.3	50w	17,26	0,25
216 07 50	Pink	12v50w	GU5.3	50w	18,22	0,25
216 08 50	Blue	12v50w	GU5.3	50w	18,22	0,25
216 09 50	Green	12v50w	GU5.3	50w	19,90	0,25
216 10 50	Light blue	12v50w	GU5.3	50w	19,90	0,25
216 11 50	Marble	12v50w	GU5.3	50w	19,90	0,25
216 12 50	Yellow	12v50w	GU5.3	50w	19,90	0,25

* Supplied in a standard manner with 36° opening lamp



Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
216L 06 02	Matt white	LED	GU-10	2w	22,72	0,25 0,20
216L 07 02	Pink	LED	GU-10	2w	23,67	0,25 0,20
216L 08 02	Blue	LED	GU-10	2w	23,67	0,25 0,20
216L 09 02	Green	LED	GU-10	2w	25,36	0,25 0,20
216L 10 02	Light blue	LED	GU-10	2w	25,36	0,25 0,20
216L 11 02	Marble	LED	GU-10	2w	25,36	0,25 0,20
216L 12 02	Yellow	LED	GU-10	2w	25,36	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
216L 06 05	Matt white	LED	GU5.3	5w	50,05	0,25 0,20
216L 07 05	Pink	LED	GU5.3	5w	51,01	0,25 0,20
216L 08 05	Blue	LED	GU5.3	5w	51,01	0,25 0,20
216L 09 05	Green	LED	GU5.3	5w	52,70	0,25 0,20
216L 10 05	Light blue	LED	GU5.3	5w	52,70	0,25 0,20
216L 11 05	Marble	LED	GU5.3	5w	52,70	0,25 0,20
216L 12 05	Yellow	LED	GU5.3	5w	52,70	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and lamp MR16 LED RGB



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
216L 06 03	Matt white	LED	GU5.3	3w	68,65	0,25 0,20
216L 07 03	Pink	LED	GU5.3	3w	69,61	0,25 0,20
216L 08 03	Blue	LED	GU5.3	3w	69,61	0,25 0,20
216L 09 03	Green	LED	GU5.3	3w	71,30	0,25 0,20
216L 10 03	Light blue	LED	GU5.3	3w	71,30	0,25 0,20
216L 11 03	Marble	LED	GU5.3	3w	71,30	0,25 0,20
216L 12 03	Yellow	LED	GU5.3	3w	71,30	0,25 0,20



Rough price increase of accessories

Ref. 3080	Controller MR16 LED RGB lamp	€ 6,60
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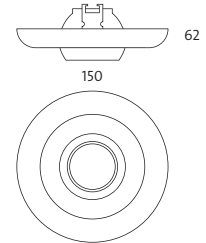
* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Adjustable Wood 12v/50w

Protection degree IP20

- Material:** Natural woods with different finishes and chrome steel sheet.
- Optics:** Optics incorporated in the lamps. Adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps 50w and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Cherry, oak, walnut, natural, yellow poplar and wengé.



Includes lampholder GU5.3

Ref.	Colour	Lamp	L/H	W	€
288 91	Cherry	-	GU5.3	-	14,93
288 92	Oak	-	GU5.3	-	14,93
288 93	Walnut	-	GU5.3	-	14,93
288 94	Natural	-	GU5.3	-	14,93
288 95	Yellow poplar	-	GU5.3	-	14,93
288 96	Wengé	-	GU5.3	-	14,93

Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288 91 50	Cherry	12v50w	GU5.3	50w	22,04	0,25
288 92 50	Oak	12v50w	GU5.3	50w	22,04	0,25
288 93 50	Walnut	12v50w	GU5.3	50w	22,04	0,25
288 94 50	Natural	12v50w	GU5.3	50w	22,04	0,25
288 95 50	Yellow poplar	12v50w	GU5.3	50w	22,04	0,25
288 96 50	Wengé	12v50w	GU5.3	50w	22,04	0,25

* Supplied in a standard manner with 36° opening lamp

Includes LOW CONSUMPTION lamp 11w GU-10



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288K 91 11	Cherry	220v11w	GU-10	11w	24,41	0,25 0,20
288K 92 11	Oak	220v11w	GU-10	11w	24,41	0,25 0,20
288K 93 11	Walnut	220v11w	GU-10	11w	24,41	0,25 0,20
288K 94 11	Natural	220v11w	GU-10	11w	24,41	0,25 0,20
288K 95 11	Yellow poplar	220v11w	GU-10	11w	24,41	0,25 0,20
288K 96 11	Wengé	220v11w	GU-10	11w	24,41	0,25 0,20

* Supplied in a standard manner with 40° opening lamp

Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288L 91 02	Cherry	LED	GU-10	2w	27,29	0,25 0,20
288L 92 02	Oak	LED	GU-10	2w	27,29	0,25 0,20
288L 93 02	Walnut	LED	GU-10	2w	27,29	0,25 0,20
288L 94 02	Natural	LED	GU-10	2w	27,29	0,25 0,20
288L 95 02	Yellow poplar	LED	GU-10	2w	27,26	0,25 0,20
288L 96 02	Wengé	LED	GU-10	2w	27,29	0,25 0,20

* Supplied in a standard manner with 3000° K lamp

Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288L 91 05	Cherry	LED	GU5.3	5w	54,83	0,25 0,20
288L 92 05	Oak	LED	GU5.3	5w	54,83	0,25 0,20
288L 93 05	Walnut	LED	GU5.3	5w	54,83	0,25 0,20
288L 94 05	Natural	LED	GU5.3	5w	54,83	0,25 0,20
288L 95 05	Yellow poplar	LED	GU5.3	5w	54,83	0,25 0,20
288L 96 05	Wengé	LED	GU5.3	5w	54,83	0,25 0,20

* Supplied in a standard manner with 3100 K lamp °

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288L 91 07	Cherry	LED	GU5.3	7w	69,38	0,25 0,20
288L 92 07	Oak	LED	GU5.3	7w	69,38	0,25 0,20
288L 93 07	Walnut	LED	GU5.3	7w	69,38	0,25 0,20
288L 94 07	Natural	LED	GU5.3	7w	69,38	0,25 0,20
288L 95 07	Yellow poplar	LED	GU5.3	7w	69,38	0,25 0,20
288L 96 07	Wengé	LED	GU5.3	7w	69,38	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288L 91 10 07	Cherry	LED	GU-10	7W	70,28	0,25 0,20
288L 92 10 07	Oak	LED	GU-10	7W	70,28	0,25 0,20
288L 93 10 07	Walnut	LED	GU-10	7W	70,28	0,25 0,20
288L 94 10 07	Natural	LED	GU-10	7W	70,28	0,25 0,20
288L 95 10 07	Yellow poplar	LED	GU-10	7W	70,28	0,25 0,20
288L 96 10 07	Wengé	LED	GU-10	7W	70,28	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
288L 91 03	Cherry	LED	GU5.3	3w	73,43	0,25 0,20
288L 92 03	Oak	LED	GU5.3	3w	73,43	0,25 0,20
288L 93 03	Walnut	LED	GU5.3	3w	73,43	0,25 0,20
288L 94 03	Natural	LED	GU5.3	3w	73,43	0,25 0,20
288L 95 03	Yellow poplar	LED	GU5.3	3w	73,43	0,25 0,20
288L 96 03	Wengé	LED	GU5.3	3w	73,43	0,25 0,20

Rough price increase of accessories

Ref.	Accessory	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.





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Protection degree IP20

- Material:** Steel sheet and aluminium thermo painted.
- Optics:** Optics incorporated in the lamps. Due to the high-performance aluminum reflector, the light is intensified.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, cromo, chrome matt and titanium. By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.

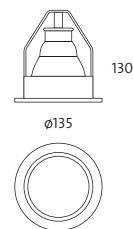


Includes electronic equipment and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
230 01 50	White	12v50w	GU5.3	50w	27,19	0,25
230 05 50	Cromo	12v50w	GU5.3	50w	33,66	0,25
230 52 50	Matt chrome	12v50w	GU5.3	50w	33,66	0,25
230 90 50	Titanium	12v50w	GU5.3	50w	33,66	0,25

* Supplied in a standard manner with 36° opening lamp



Includes LED lamp 2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
230L 01 02	White	LED	GU-10	2w	32,65	0,25 0,20
230L 02 02	Black	LED	GU-10	2w	39,11	0,25 0,20
230L 52 02	Matt chrome	LED	GU-10	2w	39,11	0,25 0,20
230L 90 02	Titanium	LED	GU-10	2w	39,11	0,25 0,20

* Supplied in a standard manner with 3000° K lamp



Includes driver and LED lamp 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
230L 01 05	White	LED	GU5.3	5w	67,09	0,25 0,20
230L 02 05	Black	LED	GU5.3	5w	75,56	0,25 0,20
230L 52 05	Matt chrome	LED	GU5.3	5w	75,56	0,25 0,20
230L 90 05	Titanium	LED	GU5.3	5w	75,56	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
230L 01 07	White	LED	GU5.3	7w	81,64	0,25 0,20
230L 02 07	Black	LED	GU5.3	7w	90,11	0,25 0,20
230L 52 07	Matt chrome	LED	GU5.3	7w	90,11	0,25 0,20
230L 90 07	Titanium	LED	GU5.3	7w	90,11	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
230L 01 10 07	White	LED	GU-10	7W	75,43	0,25 0,20
230L 02 10 07	Black	LED	GU-10	7W	81,84	0,25 0,20
230L 52 10 07	Matt chrome	LED	GU-10	7W	81,84	0,25 0,20
230L 90 10 07	Titanium	LED	GU-10	7W	81,84	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
230L 01 03	White	LED	GU5.3	3w	68,28	0,25 0,20
230L 02 03	Black	LED	GU5.3	3w	85,05	0,25 0,20
230L 52 03	Matt chrome	LED	GU5.3	3w	85,05	0,25 0,20
230L 90 03	Titanium	LED	GU5.3	3w	85,05	0,25 0,20

Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



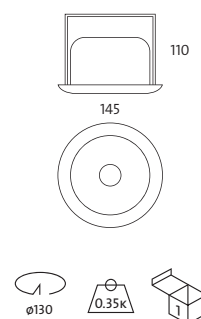
Miniducto Direct Halogen 220v

Protection degree IP20

- Material:** Steel sheet thermo painted.
Optics: Aluminum reflector and protection glass.
Supply: Directly connected to the 220v main.
Lamps: It uses halogen G-9 lamps of 25, 40, 60, and 75w.
Installation: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
Colours: White, cromo, chrome matt and titanium. By request: 02 black, 03 gold, 55 nickel, 57 nickel matt.

Includes protection glass and lamp HALOGEN G-9

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
299 01 25	White	Bipin220v	G-9	25w	32,96	0,25
299 05 25	Cromo	Bipin220v	G-9	25w	37,28	0,25
299 52 25	Matt chrome	Bipin220v	G-9	25w	37,28	0,25
299 90 25	Titanium	Bipin220v	G-9	25w	37,28	0,25
299 01 40	White	Bipin220v	G-9	40w	32,96	0,25
299 05 40	Cromo	Bipin220v	G-9	40w	37,28	0,25
299 52 40	Matt chrome	Bipin220v	G-9	40w	37,28	0,25
299 90 40	Titanium	Bipin220v	G-9	40w	37,28	0,25
299 01 60	White	Bipin220v	G-9	60w	32,96	0,25
299 05 60	Cromo	Bipin220v	G-9	60w	37,28	0,25
299 52 60	Matt chrome	Bipin220v	G-9	60w	37,28	0,25
299 90 60	Titanium	Bipin220v	G-9	60w	37,28	0,25
299 01 75	White	Bipin220v	G-9	75w	32,96	0,25
299 05 75	Cromo	Bipin220v	G-9	75w	37,28	0,25
299 52 75	Matt chrome	Bipin220v	G-9	75w	37,28	0,25
299 90 75	Titanium	Bipin220v	G-9	75w	37,28	0,25

**Adjustable rectangular aluminium**

Protection degree IP42

- Material:** Injected aluminium thermo painted.
Optics: Matt aluminum reflector and protection glass.
Supply: Directly connected to the 220v main.
Lamps: It uses linear halogen lamps of 200w, suitable for commercial or industrial areas.
Installation: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
Colours: White, black.

Includes lampholder R7s and protection glass

Ref.	Colour	Lamp	L/H	W	€
501 01	White	-	R7s	-	35,34
501 02	Black	-	R7s	-	37,40

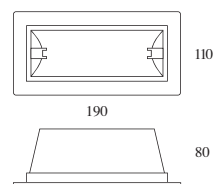
Includes protection glass and lamp LINEAR HALOGEN 200W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
501 01 20	White	Linear Halogen	R7s	1x200w	38,33	0,25
501 02 20	Black	Linear Halogen	R7s	1x200w	40,39	0,25

Includes control gear, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
501 01 70	White	Linear Halogen	RX7s	1x70w	94,54	0,25	0,30
501 02 70	Black	Linear Halogen	RX7s	1x70w	96,60	0,25	0,30

* Supplied in a standard manner with 4200° K lamp

**OPTIONS**

Rough price increase of control gear

Ref.	Electronic ballast 70w	€
Ref. BE	Electronic ballast 70w	18,75

Miniducto 220v / Adjustable rectg. / Fixed HQI

Fixed HQI aluminium

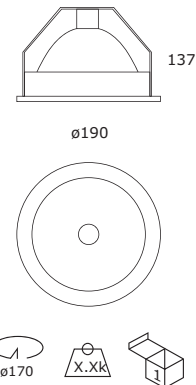
Protection degree IP44

- Material:** Steel sheet thermo painted.
- Optics:** Matt aluminum reflector and protection glass, for an IP43 protection
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses OSRAM POWERSTAR HQI-T 70 / 150w lamps, suitable for commercial or industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, chrome matt and titanium. By request: 03 gold, 55 nickel, 57 nickel matt.

Includes protection glass, control gear and HQI lamp G-12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
720 01 35	White	HQI	G-12	1x35w	130,50	0,50	0,30
720 02 35	Black	HQI	G-12	1x35w	132,35	0,50	0,30
720 52 35	Matt chrome	HQI	G-12	1x35w	132,35	0,50	0,30
720 90 35	Titanium	HQI	G-12	1x35w	132,35	0,50	0,30
720 01 70	White	HQI	G-12	1x70w	131,53	0,50	0,30
720 02 70	Black	HQI	G-12	1x70w	133,38	0,50	0,30
720 52 70	Matt chrome	HQI	G-12	1x70w	133,38	0,50	0,30
720 90 70	Titanium	HQI	G-12	1x70w	133,38	0,50	0,30
720 01 15	White	HQI	G-12	1x150w	138,43	0,50	0,30
720 02 15	Black	HQI	G-12	1x150w	140,28	0,50	0,30
720 52 15	Matt chrome	HQI	G-12	1x150w	140,28	0,50	0,30
720 90 15	Titanium	HQI	G-12	1x150w	140,28	0,50	0,30

* Supplied in a standard manner with 4200° K lamp



OPTIONS

Rough price increase of control gear

Ref.	BE	Electronic ballast	70w €	150w €
			18,75	19,80

Fixed HQI asymmetric

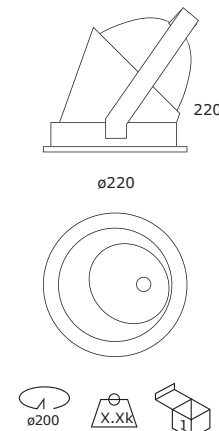
Protection degree IP44

- Material:** Steel sheet thermo painted.
- Optics:** Matt aluminum reflector and protection glass, for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses OSRAM POWERSTAR HQI-T 35 / 70 / 150w lamps, suitable for commercial or industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, chrome matt and titanium. By request: 03 gold, 55 nickel, 57 nickel matt.

Includes protection glass, electronic equipment and HQI lamp G-12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
722 01 35	White	HQI	G-12	1x35w	219,50	0,50	0,30
722 02 35	Black	HQI	G-12	1x35w	221,35	0,50	0,30
722 52 35	Matt chrome	HQI	G-12	1x35w	221,35	0,50	0,30
722 90 35	Titanium	HQI	G-12	1x35w	221,35	0,50	0,30
722 01 70	White	HQI	G-12	1x70w	220,53	0,50	0,30
722 02 70	Black	HQI	G-12	1x70w	222,38	0,50	0,30
722 52 70	Matt chrome	HQI	G-12	1x70w	222,38	0,50	0,30
722 90 70	Titanium	HQI	G-12	1x70w	222,38	0,50	0,30
722 01 15	White	HQI	G-12	1x150w	227,43	0,50	0,30
722 02 15	Black	HQI	G-12	1x150w	229,28	0,50	0,30
722 52 15	Matt chrome	HQI	G-12	1x150w	229,28	0,50	0,30
722 90 15	Titanium	HQI	G-12	1x150w	229,28	0,50	0,30

* Supplied in a standard manner with 4200° K lamp



OPTIONS

Rough price increase of control gear

Ref.	BE	Electronic ballast	70w €	150w €
			18,75	19,80

Adjustable aluminium


Protection degree IP43

- Material:** Steel sheet thermo painted.
- Optics:** Matt aluminium reflector and protection glass, for an IP43 protection
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses OSRAM POWERSTAR HQI-T 70 / 150w lamps, suitable for commercial or industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, matt chrome and titanium. By request: 03 gold, 55 nickel, 57 nickel matt.

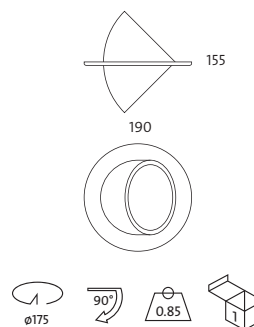


Adjustable HQI aluminium

Includes protection glass, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 721 01 70CP	White	HQI-T	G-12	1x70w	181,14	0,50	0,30
721 02 70CP	Black	HQI-T	G-12	1x70w	183,79	0,50	0,30
721 52 70CP	Matt chrome	HQI-T	G-12	1x70w	183,79	0,50	0,30
721 90 70CP	Titanium	HQI-T	G-12	1x70w	183,73	0,50	0,30
721 01 15CP	White	HQI-T	G-12	1x150w	190,47	0,50	0,30
721 02 15CP	Black	HQI-T	G-12	1x150w	193,11	0,50	0,30
721 52 15CP	Matt chrome	HQI-T	G-12	1x150w	193,11	0,50	0,30
721 90 15CP	Titanium	HQI-T	G-12	1x150w	193,11	0,50	0,30

* Supplied in a standard manner with 4200° K lamp




Rough price increase of control gear		70w €	150w €
Ref. BE	Electronic ballast	18,75	19,80

Increase respecto a la lamp		70w 150w €
Ref. LM	Mastercolor Lamp	19,50

HQI OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•

Adjustable LED aluminium

Includes driver and LED-111 lamp

Ref.	Colour	Lámp	L/H	W	€	RAEE lum.	lamp
 LED 721 01 12	White	LED-111	-	12w	229,60	0,25	0,20
721 02 12	Black	LED-111	-	12w	232,24	0,25	0,20
721 52 12	Matt chrome	LED-111	-	12w	232,24	0,25	0,20
721 90 12	Titanium	LED-111	-	12w	232,24	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

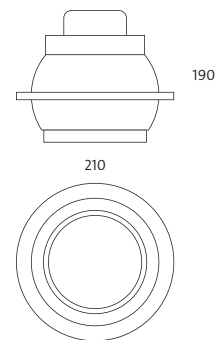
Adjustable aluminium / Adjustable sodium



Adjustable white sodium

Protection degree IP43

- Material:** Steel sheet thermo painted.
- Optics:** Aluminum reflector and protection glass, for an IP43 protection
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses white sodium lamps of 35, 50 and 100w, suitable for the food industry due to its excellent chromatic reproduction.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, matt chrome and titanium. By request: 55 nickel, 57 nickel matt



Includes protection glass, control gear and SODIUM lamp.



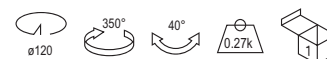
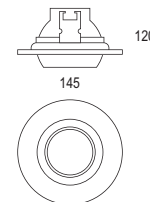
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
710 01 35	White	SDW-T	PG12-1	35w	282,47	0,25 0,30
710 02 35	Black	SDW-T	PG12-1	35w	292,64	0,25 0,30
710 52 35	Matt chrome	SDW-T	PG12-1	35w	292,64	0,25 0,30
710 90 35	Titanium	SDW-T	PG12-1	35w	292,64	0,25 0,30
710 01 50	White	SDW-T	PG12-1	50w	282,47	0,25 0,30
710 02 50	Black	SDW-T	PG12-1	50w	292,64	0,25 0,30
710 52 50	Matt chrome	SDW-T	PG12-1	50w	292,64	0,25 0,30
710 90 50	Titanium	SDW-T	PG12-1	50w	292,64	0,25 0,30
710 01 10	White	SDW-T	PG12-1	100w	282,47	0,25 0,30
710 02 10	Black	SDW-T	PG12-1	100w	292,64	0,25 0,30
710 52 10	Matt chrome	SDW-T	PG12-1	100w	292,64	0,25 0,30
710 90 10	Titanium	SDW-T	PG12-1	100w	292,64	0,25 0,30



Adjustable circular R50

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses R50 incandescent reflective lamps and LED lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium. By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.



Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
301 01	White	-	E-14	-	8,56	0,25
301 03	Gold	-	E-14	-	12,66	0,25
301 05	Chrome	-	E-14	-	12,66	0,25
301 52	Matt chrome	-	E-14	-	12,66	0,25
301 90	Titanium	-	E-14	-	12,66	0,25

Includes LED R50 lamp 240 lumens

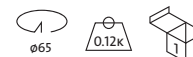
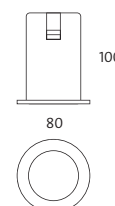
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
LED 301 01 45	White	LED	E-14	4,5w	52,96	0,25 0,20
301 03 45	Gold	LED	E-14	4,5w	64,06	0,25 0,20
301 05 45	Chrome	LED	E-14	4,5w	64,06	0,25 0,20
301 52 45	Matt chrome	LED	E-14	4,5w	64,06	0,25 0,20
301 90 45	Titanium	LED	E-14	4,5w	64,06	0,25 0,20

* Supplied in a standard manner with 4000° K lamp

Fixed circular R50

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses R50 incandescent reflective lamps and LED lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium. By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.



Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
302 01	White	-	E-14	-	4,26	0,25
302 03	Gold	-	E-14	-	5,23	0,25
302 05	Chrome	-	E-14	-	5,23	0,25
302 52	Matt chrome	-	E-14	-	5,23	0,25
302 90	Titanium	-	E-14	-	5,23	0,25

Includes LED R50 lamp 240 lumens

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
LED 302 01 45	White	LED	E-14	4,5w	50,82	0,25 0,20
302 03 45	Gold	LED	E-14	4,5w	51,70	0,25 0,20
302 05 45	Chrome	LED	E-14	4,5w	51,70	0,25 0,20
302 52 45	Matt chrome	LED	E-14	4,5w	51,70	0,25 0,20
302 90 45	Titanium	LED	E-14	4,5w	51,70	0,25 0,20

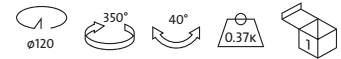
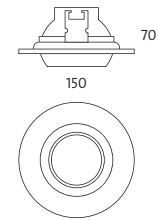
* Supplied in a standard manner with 4000° K lamp

Adjustable circular R50/R63 / Fixed circular R50/R63

Adjustable circular R63

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses R63 incandescent reflective lamps and LED lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium. By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.



Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
306 01	White	-	E-27	-	13,20	0,25
306 03	Gold	-	E-27	-	18,00	0,25
306 05	Chrome	-	E-27	-	18,00	0,25
306 52	Matt chrome	-	E-27	-	18,00	0,25
306 90	Titanium	-	E-27	-	18,00	0,25

Includes LED R63 lamp 320 lumens

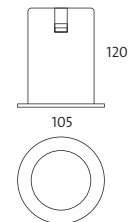
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
306 01 06	White	LED	E-27	6w	72,53	0,25 0,20
306 03 06	Gold	LED	E-27	6w	77,33	0,25 0,20
306 05 06	Chrome	LED	E-27	6w	77,33	0,25 0,20
306 52 06	Matt chrome	LED	E-27	6w	77,33	0,25 0,20
306 90 06	Titanium	LED	E-27	6w	77,33	0,25 0,20

* Supplied in a standard manner with 4000° K lamp

Fixed circular R63

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses R63 incandescent reflective lamps and LED and LED lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium. By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.



Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
303 01	White	-	E-27	-	4,82	0,25
303 03	Gold	-	E-27	-	6,28	0,25
303 05	Chrome	-	E-27	-	6,28	0,25
303 52	Matt chrome	-	E-27	-	6,28	0,25
303 90	Titanium	-	E-27	-	6,28	0,25

Includes LED R63 lamp 320 lumens

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
303 01 06	White	LED	E-27	6w	64,14	0,25 0,20
303 03 06	Gold	LED	E-27	6w	65,71	0,25 0,20
303 05 06	Chrome	LED	E-27	6w	65,71	0,25 0,20
303 52 06	Matt chrome	LED	E-27	6w	65,71	0,25 0,20
303 90 06	Titanium	LED	E-27	6w	65,71	0,25 0,20

* Supplied in a standard manner with 4000° K lamp

Fixed circular R80

Protection degree IP20

- Material:** Steel sheet thermo painted.
Optics: Optics incorporated in the lamps.
Supply: Directly connected to the 220v main.
Lamps: It uses R80 incandescent reflective lamps.
Installation: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
Colours: White, gold, chrome, matt chrome and titanium.
 By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.

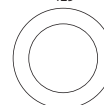
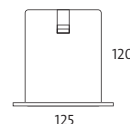
Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
304 01	White	-	E-27	-	4,92	0,25
304 03	Gold	-	E-27	-	6,74	0,25
304 05	Chrome	-	E-27	-	6,74	0,25
304 52	Matt chrome	-	E-27	-	6,74	0,25
304 90	Titanium	-	E-27	-	6,74	0,25

Includes lamp reflective R80



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
304 01 75	White	R80	E-27	75w	7,08	0,25
304 03 75	Gold	R80	E-27	75w	8,90	0,25
304 05 75	Chrome	R80	E-27	75w	8,90	0,25
304 52 75	Matt chrome	R80	E-27	75w	8,90	0,25
304 90 75	Titanium	R80	E-27	75w	8,90	0,25

**Fixed circular R90**

Protection degree IP20

- Material:** Steel sheet thermo painted.
Optics: Optics incorporated in the lamps.
Supply: Directly connected to the 220v main.
Lamps: It uses R90 incandescent reflective lamps.
Installation: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
Colours: White, gold, chrome, matt chrome and titanium.
 By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt

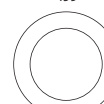
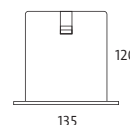
Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
305 01	White	-	E-27	-	4,94	0,25
305 03	Gold	-	E-27	-	7,19	0,25
305 05	Chrome	-	E-27	-	7,19	0,25
305 52	Matt chrome	-	E-27	-	7,19	0,25
305 90	Titanium	-	E-27	-	7,19	0,25

Includes lamp reflective R90



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
305 01 10	White	R90	E-27	100w	7,93	0,25
305 03 10	Gold	R90	E-27	100w	10,18	0,25
305 05 10	Chrome	R90	E-27	100w	10,18	0,25
305 52 10	Matt chrome	R90	E-27	100w	10,18	0,25
305 90 10	Titanium	R90	E-27	100w	10,18	0,25





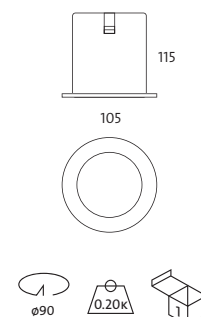
Fixed PAR20

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses PAR20 halogen lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium.
By request: 55 nickel, 57 nickel matt.

Includes HALOGEN PAR20 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
602 01 50	White	PAR20	E-27	50w	28,41	0,25
602 03 50	Gold	PAR20	E-27	50w	28,84	0,25
602 05 50	Chrome	PAR20	E-27	50w	34,49	0,25
602 52 50	Matt chrome	PAR20	E-27	50w	34,49	0,25
602 90 50	Titanium	PAR20	E-27	50w	34,49	0,25



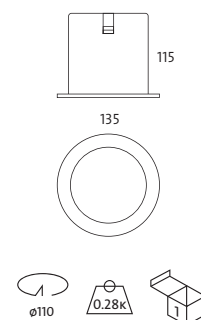
Fixed PAR30

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses PAR30 halogen lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium.
By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.

Includes HALOGEN PAR30 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
604 01 75	White	PAR30	E-27	75w	32,11	0,25
604 03 75	Gold	PAR30	E-27	75w	32,65	0,25
604 05 75	Chrome	PAR30	E-27	75w	39,41	0,25
604 52 75	Matt chrome	PAR30	E-27	75w	39,41	0,25
604 90 75	Titanium	PAR30	E-27	75w	39,41	0,25



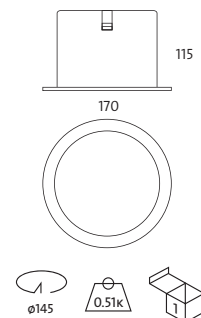
Fixed PAR38

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses PAR38 halogen lamps.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium.
By request: 02 black, 33 gold matt, 55 nickel, 57 nickel matt.

Includes HALOGEN PAR38 lamp

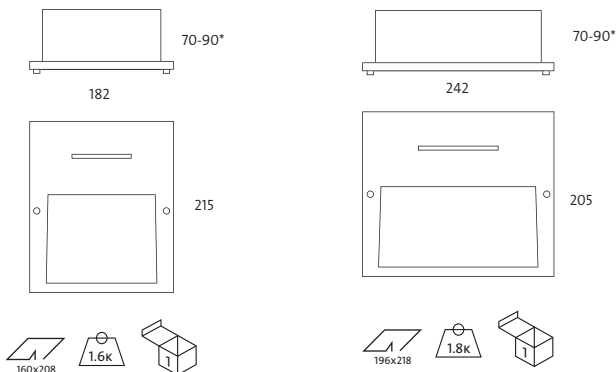
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
606 01 10	White	PAR38	E-27	100w	37,36	0,25
606 03 10	Gold	PAR38	E-27	100w	37,99	0,25
606 05 10	Chrome	PAR38	E-27	100w	46,34	0,25
606 52 10	Matt chrome	PAR38	E-27	100w	46,34	0,25
606 90 10	Titanium	PAR38	E-27	100w	46,34	0,25



Nunak / Nunak LED

Protection degree IP20 / IP43

- Material:** Sheet aluminium box and steel sheet front.
- Optics:** Asymmetrical optic, wallwasher effect. Matt aluminium reflector. It can be supplied with transparent protective glass (Ref. CTNV / CTNH), for an IP43 protection.
- Supply:** Ballast carrier box for PL-T lamp 13 / 18W. Available with electronic ballast or with domotics sensors systems.(see the options of the table. Driver for LED 8w.
- Lamps:** It uses low consumption lamps 13 / 18 w and Led de OSRAM DRAGON X-Plus, suitable for domestic and commercial use.
- Installation:** Recessed with an auxiliary steel sheet box in order to put in the building site.
- Colours:** Stainless steel, white, black, matt chrome, titanium.



* 90mm deep in case of using the auxiliar box to inlay..

* 90mm deep in case of using the auxiliar box to inlay.

Nunak vertical

Includes auxiliar box, control gear and PL lamp-T



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
073 00 13 84	Stainless steel	PL-T	G24d-1	13w	92,33	0,25	0,20
073 01 13 84	White	PL-T	G24d-1	13w	101,56	0,25	0,20
073 02 13 84	Black	PL-T	G24d-1	13w	101,56	0,25	0,20
073 52 13 84	Matt chrome	PL-T	G24d-1	13w	101,56	0,25	0,20
073 90 13 84	Titanium	PL-T	G24d-1	13w	101,56	0,25	0,20
073 00 18 84	Ace.Inox	PL-T	G24d-2	18w	92,36	0,25	0,20
073 01 18 84	White	PL-T	G24d-2	18w	101,58	0,25	0,20
073 02 18 84	Black	PL-T	G24d-2	18w	101,58	0,25	0,20
073 52 18 84	Matt chrome	PL-T	G24d-2	18w	101,58	0,25	0,20
073 90 18 84	Titanium	PL-T	G24d-2	18w	101,58	0,25	0,20

* Supplied in a standard manner with 4200° K lamp



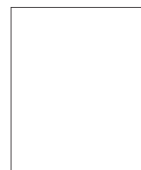
Nunak horizontal

Includes auxiliar box, control gear and PL lamp

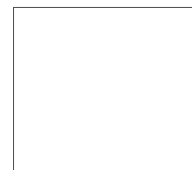


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
074 00 13 84	Stainless steel	PL	G24d-1	13w	125,30	0,25	0,20
074 01 13 84	White	PL	G24d-1	13w	136,80	0,25	0,20
074 02 13 84	Black	PL	G24d-1	13w	136,80	0,25	0,20
074 52 13 84	Matt chrome	PL	G24d-1	13w	136,80	0,25	0,20
074 90 13 84	Titanium	PL	G24d-1	13w	136,80	0,25	0,20
074 00 18 84	Ace.Inox	PL	G24d-2	18w	125,30	0,25	0,20
074 01 18 84	White	PL	G24d-2	18w	137,83	0,25	0,20
074 02 18 84	Black	PL	G24d-2	18w	137,83	0,25	0,20
074 52 18 84	Matt chrome	PL	G24d-2	18w	137,83	0,25	0,20
074 90 18 84	Titanium	PL	G24d-2	18w	137,83	0,25	0,20
074 00 26 84	Ace.Inox	PL	G24d-3	26w	125,33	0,25	0,20
074 01 26 84	White	PL	G24d-3	26w	138,88	0,25	0,20
074 02 26 84	Black	PL	G24d-3	26w	138,88	0,25	0,20
074 52 26 84	Matt chrome	PL	G24d-3	26w	138,88	0,25	0,20
074 90 26 84	Titanium	PL	G24d-3	26w	138,88	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

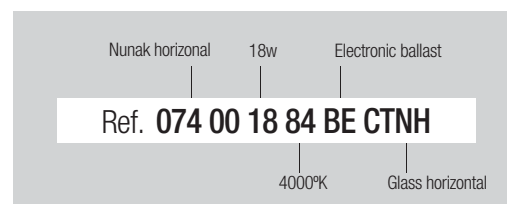


Ref. CTNV
Transparent glass.



Ref. CTNH
Transparent glass.

Example to write a reference with options



OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
PL-T 13w		•	•
PL-T 18w	•	•	•

1x13/18/26w

Rough price increase of control gear		€
Ref. BE	Electronic ballast	19,00


Rough price increase of accesories		
Ref. CTNV	Transparent glass Nunak vertical	4,70
Ref. CTNH	Transparent glass Nunak horizontal	5,72



Nunak LED vertical



Includes auxiliar box, electronic equipment and 4 LEDs de 1,2W


	Ref.	Colour	Lamp	W	€	RAEE lum.
	073 00 04 85	Stainless steel	LED	4,8w	178,60	0,25
	073 01 04 85	White	LED	4,8w	179,80	0,25
	073 02 04 85	Black	LED	4,8w	179,80	0,25
	073 52 04 85	Matt chrome	LED	4,8w	179,80	0,25
	073 90 04 85	Titanium	LED	4,8w	179,80	0,25

* Supplied in a standard manner with lamp 5400° K lamp

Nunak LED horizontal



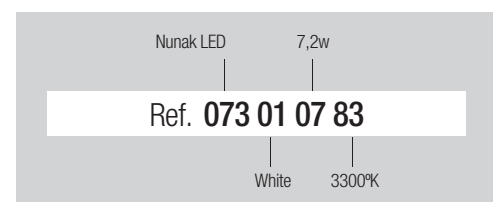
Includes auxiliar box, electronic equipment and 6 LEDs de 1,2W

	Ref.	Colour	Lamp	W	€	RAEE lum.
	074 00 07 85	Stainless steel	LED	7,2w	219,85	0,25
	074 01 07 85	White	LED	7,2w	222,60	0,25
	074 02 07 85	Black	LED	7,2w	222,60	0,25
	074 52 07 85	Matt chrome	LED	7,2w	222,60	0,25
	074 90 07 85	Titanium	LED	7,2w	222,60	0,25

* Supplied in a standard manner with lamp 5400° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options





Kosten

Protection degree IP20

- Material:** Stainless steel.
- Optics:** Aluminum reflector and protection glass.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses halogen G-9 lamps of 25 and 40w.
LED Osram Dragon-X de 3w and 6w.
- Installation:** Recessed for wall. It is delivered with an auxiliary box in order to put in the building site. Perimeter lighting.
- Colours:** Natural stainless steel.

Kosten rectangular

Includes protection glass and lamp HALOGEN G-9

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
209 00 25	Stainless steel	Bipin220v	G-9	25w	52,44	0,25
209 00 40	Stainless steel	Bipin220v	G-9	40w	52,44	0,25

Includes protection glass, driver electrónico and 3 LED de 1,2w

Ref.	Colour	Lamp	W	€	RAEE lum.
209 00 03	Stainless steel	LED	3,6w	93,57	0,25

* Supplied in a standard manner with lamp 5400° K lamp

Kosten square

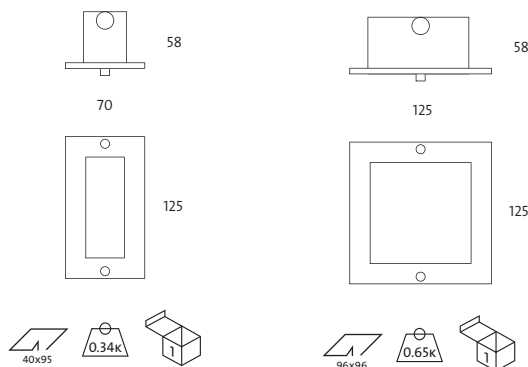
Includes protection glass and lamp HALOGEN G-9

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
210 00 25	Stainless steel	Bipin220v	G-9	25w	55,55	0,25
210 00 40	Stainless steel	Bipin220v	G-9	40w	55,55	0,25

Includes protection glass, driver electrónico and 6 LED de 1,2w

Ref.	Colour	Lamp	W	€	RAEE lum.
210 00 07	Stainless steel	LED	7,2w	99,80	0,25

* Supplied in a standard manner with lamp 5400° K lamp



Example to write a reference with options

Kosten LED 3W
 Ref. **209 00 03 83**
 Stainless steel 3300°K

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Supor LED / Luzco LED



Supor LED 152



Luzco LED 153

Ducto LED / Compact LED



Miniducto LED 154



Ducto Medium LED 154



Ducto LED 155



Compact LED 156



Waterproof Ducto LED 157

Micra LED / Sato LED



Micra LED 158



Sato LED 159

Serie Ledión LED



Ledión Micro 162



Ledión Mini 162



Ledión Medium 163



Ledión 164



Supraledión 165

Downlight LED Efital



Efital 166

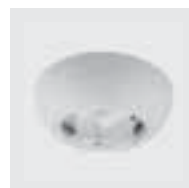
Downlight PL surface



Supor PL
Supor PL Darklight
Supor PL LED 14,4w 170



Luzco PL
Luzco PL Darklight
Luzco PL LED 14,4w 172



Sup. Low Consumption
S.B.C. PL LED 14,4w 174

Serie Ledión BC



Ledión PL
Ledión PL LED 14,4w 176

Downlight PL recessed



Miniducto PL-T
Miniducto PL LED 178



Ducto Medium
Ducto Medium PL LED 14,4w 180



Ducto PL
Ducto PL LED 14,4w 182



Supraducto
Supraducto PL LED 14,4w 184



Efici
Efici PL LED 14,4w 186



Compact PL 188



Supracompact 190



Crotek 192



Downlight 3/4 PL 193



Darklight 1-2-3-4 194



Dendo
Dendo PL LED 14,4w 194



Zalin
Zalin PL LED 14,4 w 200



Sato PL
Sato PL LED 14,4w 202



Micra PL 204
Micra PL LED 7,2w



Tetra 205
Tetra PL LED 14,4w

**Downlight PL
recessed
glass / wood**



Sirius 208
Sirius PL LED 14,4w



Zino 210
Zino PL LED 14,4w

Others downlight



Diso 212
Diso PL LED 14,4w



Downlight 401 E-27 213
Downlight 401 LED



Downlight 402 E-27 214
Downlight 402 LED
Downlight 402 R63 LED
Downlight 402 PLT



Faceto E-27 215
Faceto LED
Faceto R63 LED
Faceto PLT

**Downlight HQI
surface**



Supor HQI 216



Luzco HQI 217

**Downlight HQI
recessed**



Miniducto HQI 218



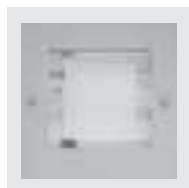
Ducto HQI 219



Compact HQI 221



Recessed rectan. HQI 222
Recessed rectangular LED



Sato HQI 223



Micra HQI 223





Supor LED

Protection degree IP20 / IP43



- Material:** Thermo-painted aluminium.
- Optics:** Extensive optics 37° Ledil (Finland), built in the LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** Made of 13 Osram Golden Dragon 2.4 W LEDs. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Installed on surface with bolts (not supplied) or suspended (suspension kit ref. 1211).
- Colours:** White, black, matt chrome and titanium.

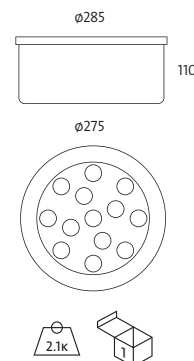
Includes protection glass, driver and PCB LED 31,2W / 2340 lumens

LED



Ref.	Colour	Lamp	W	€	RAEE lum.
3182 01 86	White	LED	31,2w	281,94	0,50
3182 02 86	Black	LED	31,2w	286,83	0,50
3182 52 86	Matt chrome	LED	31,2w	286,83	0,50
3182 90 86	Titanium	LED	31,2w	286,83	0,50

* Supplied in a standard manner with 6500° K lamp



Rough price increase of accesories

		€
Ref. CT 494	Transparent glass with serigraphy	4,36
Ref. CM 494	Matt glass	4,57
Ref. CTP	Polycarbonate protection	8,88
Ref. 54	Glass and joint IP54	11,00
Ref. 1211	Suspension kit	26,80

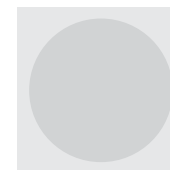
LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Ref. **CTT**
Transparent glass



Ref. **CTP**
Polycarbonate protection.



Ref. **CM 494**
Matt glass

Example to write a reference with options

Supor LED 5400°K

Ref. 3182 01 85 CM494

White Matt glass

Luzco LED

Protection degree IP20 / IP43



- Material:** Thermo-painted steel sheet.
- Optics:** Extensive optics 37° Ledil (Finland), built in the LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** Made of 13 Osram Golden Dragon 2.4 W LEDs. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Installed on surface with bolts (not supplied) or suspended (suspension kit ref. 1211).
- Colours:** White, black, matt chrome and titanium.

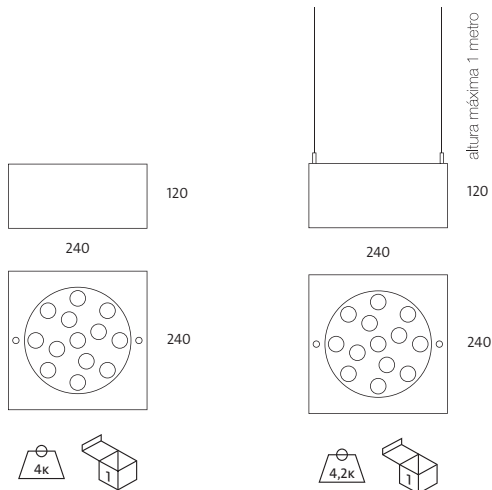


Includes protection glass, driver and PCB LED 31,2W / 2340 lumens



Ref.	Colour	Lamp	W	€	RAEE lum.
3183 01 86	White	LED	31,2w	285,33	0,50
3183 02 86	Black	LED	31,2w	291,73	0,50
3183 52 86	Matt chrome	LED	31,2w	291,73	0,50
3183 90 86	Titanium	LED	31,2w	291,73	0,50

* Supplied in a standard manner with 6500° K lamp



Ref. **CTL**
Transparent glass.



Ref. **CML**
Matt glass.



Ref. **1211**
Suspension kit. Standard version 1 metre length. Made-to-measure possibility.

Rough price increase of accessories

	€
Ref. CML Matt glass Luzco	9,88
Ref. 1211 Suspension kit	26,80

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Luzco LED 5400°K

Ref. 3183 01 85 CML

White Matt glass

Miniducto LED

Protection degree IP43 / IP 54



- Material:** Body made in steel sheet. Aluminium ring.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamp. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 6 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 04 graphite, 33 gold matt, 55 matt nickel, satin nickel 57, 80 satin finish.

Miniducto LED 14,4w / 6500°K / 810 lumens

Includes protection glass, driver and PCB LED 14,4W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	497 01 14 86	White	LED	6x2,4w	168,13	0,25
	497 02 14 86	Black	LED	6x2,4w	173,63	0,25
	497 03 14 86	Gold	LED	6x2,4w	173,63	0,25
	497 05 14 86	Chrome	LED	6x2,4w	173,63	0,25
	497 52 14 86	Matt chrome	LED	6x2,4w	173,63	0,25
	497 90 14 86	Titanium	LED	6x2,4w	173,63	0,25

* Supplied in a standard manner with 6500° K lamp

Ducto Medium LED

Protection degree IP43



- Material:** Thermo-painted zamak injection.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 9 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 55 matt nickel; 57 satin nickel

Ducto Medium LED 21,6w / 6500°K / 1620 lumens

Includes protection glass, driver and PCB LED 21,6W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	015 01 21 86	White	LED	9x2,4w	195,10	0,25
	015 02 21 86	Black	LED	9x2,4w	200,91	0,25
	015 03 21 86	Gold	LED	9x2,4w	200,91	0,25
	015 05 21 86	Chrome	LED	9x2,4w	200,91	0,25
	015 52 21 86	Matt chrome	LED	9x2,4w	200,91	0,25
	015 90 21 86	Titanium	LED	9x2,4w	200,91	0,25

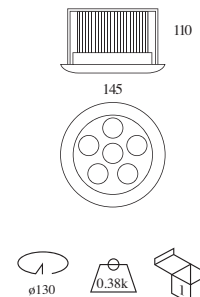
* Supplied in a standard manner with 6500° K lamp

Rough price increase of accessories

Ref.	Accessories	€
Ref. CMDM	Matt glass	4,22
Ref. 3310	Dimmable driver	62,80

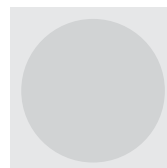


Ref. **CM 497**
Matt glass.

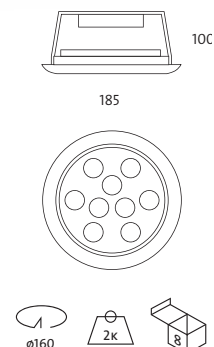


Rough price increase of accessories

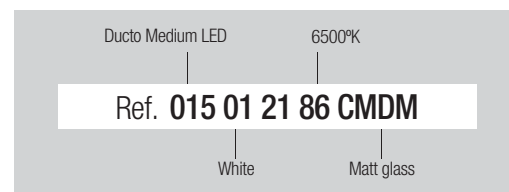
Ref.	Accessories	€
Ref. CM497	Matt protective glass	1,95
Ref. 3308	Dimmable driver	52,20



Ref. **CMDM**
Matt glass.



Example to write a reference with options



Ducto LED

Protection degree IP43



- Material:** Thermo-painted zamak injection.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 13 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 04 graphite, 55 matt nickel; 57 satin nickel.

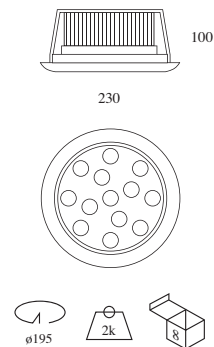


Ducto LED 31,2w / 6500°K / 2340 lumens

Includes protection glass, driver and PCB LED 31,2W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	495 01 31 86	White	LED	13x2,4w	229,90	0,25
	495 02 31 86	Black	LED	13x2,4w	235,12	0,25
	495 03 31 86	Gold	LED	13x2,4w	235,12	0,25
	495 05 31 86	Chrome	LED	13x2,4w	235,12	0,25
	495 52 31 86	Matt chrome	LED	13x2,4w	235,12	0,25
	495 90 31 86	Titanium	LED	13x2,4w	235,12	0,25

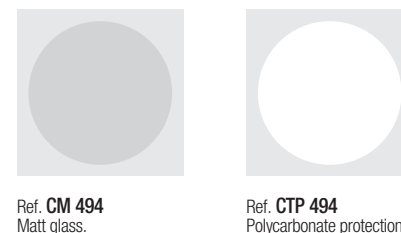
* Supplied in a standard manner with 6500° K lamp



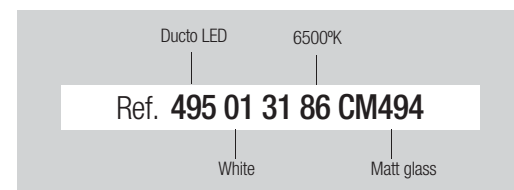
Rough price increase of driver		€
Ref. DR	Dimmable driver 1 - 10v	112,90
Ref. DRD	Dimmable driver Dali	113,80

Rough price increase of accessories		€
Ref. CM 494	Matt glass	4,57
Ref. CTP	Polycarbonate protection	8,88

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Example to write a reference with options



Compact LED

Protection degree IP43



- Material:** Thermo-painted steel sheet.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 13 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black; 03 gold; 33 matt gold; 55 satin nickel; 57 nickel; 80 satin



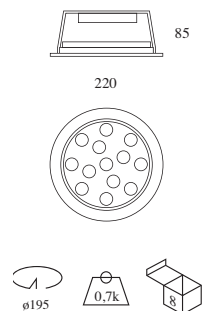
Compact LED 31,2w / 6500°K / 2340 lumens

Includes protection glass, driver and PCB LED 31,2W



Ref.	Colour	Lamp	W	€	RAEE lum.
428 01 31 86	White	LED	13x2,4w	221,42	0,25
428 02 31 86	Black	LED	13x2,4w	225,63	0,25
428 05 31 86	Chrome	LED	13x2,4w	225,63	0,25
428 52 31 86	Matt chrome	LED	13x2,4w	225,63	0,25
428 90 31 86	Titanium	LED	13x2,4w	225,63	0,25

* Supplied in a standard manner with 6500° K lamp



Ref. **CM**
Matt glass.



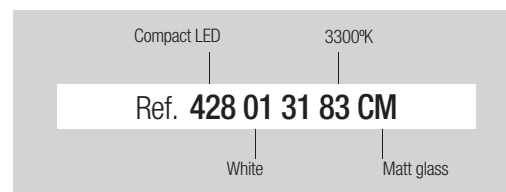
Ref. **CTP**
Polycarbonate protection.

Rough price increase of accessories

		€
Ref. CM	Matt glass	4,57
Ref. CTP	Polycarbonate protection	8,88

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options



Waterproof Ducto LED

Protection degree IP65



- Material:** Thermo-painted Zamak Injection.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 13 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 04 graphite; 55 matt nickel; 57 satin nickel.

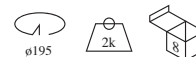
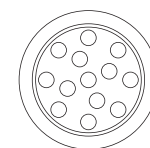
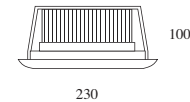


Waterproof Ducto LED 31,2w / 6500°K / 2340 lumens

Includes protection glass, driver and PCB LED 31,2W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	470 01 31 86	White	LED	13x2,4w	279,23	0,25
	470 02 31 86	Black	LED	13x2,4w	285,51	0,25
	470 03 31 86	Gold	LED	13x2,4w	285,51	0,25
	470 05 31 86	Chrome	LED	13x2,4w	285,51	0,25
	470 52 31 86	Matt chrome	LED	13x2,4w	285,51	0,25
	470 90 31 86	Titanium	LED	13x2,4w	285,51	0,25

* Supplied in a standard manner with 6500° K lamp



Ref. **CM 494**
Matt glass.



Ref. **CTP 494**
Polycarbonate protection.

Rough price increase of accessories	€
Ref. CM 494 Matt glass	4,57

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Waterproof Ducto LED 6500°K

Ref. 470 01 31 86 CM494

White Matt glass

Micra LED

Protection degree IP43



- Material:** Thermo-painted steel sheet.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 7 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use. Estimated life span 40.000 hours.
- Estimated life:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Installation:** Available with electronic ballast.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black; 03 gold; 55 matt nickel; 57 nickel, satin nickel

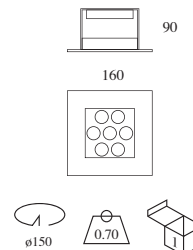


Micra LED 16,8w / 6500°K / 945 lumens

Includes protection glass, driver and PCB LED 16,8W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	017 01 16 86	White	LED	7x2,4w	170,74	0,25
	017 02 16 86	Black	LED	7x2,4w	174,36	0,25
	017 52 16 86	Matt chrome	LED	7x2,4w	174,36	0,25
	017 90 16 86	Titanium	LED	7x2,4w	174,36	0,25

* Supplied in a standard manner with 6500° K lamp



Ref. **MM**
Matt glass.

Rough price increase of accessories

		€
Ref. MM	Matt glass inside	5,72
Ref. 3309	Dimmable driver	58,20

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Micra LED White

Ref. **017 01 16 86 MM**

6500°K Matt glass

Sato LED

Protection degree IP43



- Material:** Thermo-painted steel sheet.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED circuit board with 7 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black; 03 gold, 55 matt nickel, satin nickel 57.

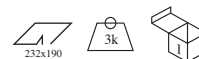
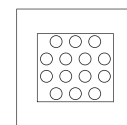
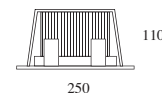


Sato LED 33,6w / 6500°K / 2520 lumens

Includes protection glass, driver and PCB LED 33,6W

	Ref.	Colour	Lamp	W	€	RAEE lum.
	019 01 33 86	White	LED	14x2,4w	244,42	0,25
	019 02 33 86	Black	LED	14x2,4w	250,99	0,25
	019 52 33 86	Matt chrome	LED	14x2,4w	250,99	0,25
	019 90 33 86	Titanium	LED	14x2,4w	250,99	0,25

* Supplied in a standard manner with 6500° K lamp



Ref. **SM**
Matt glass.

Rough price increase of accessories	€
Ref. SM Matt glass inside	5,96

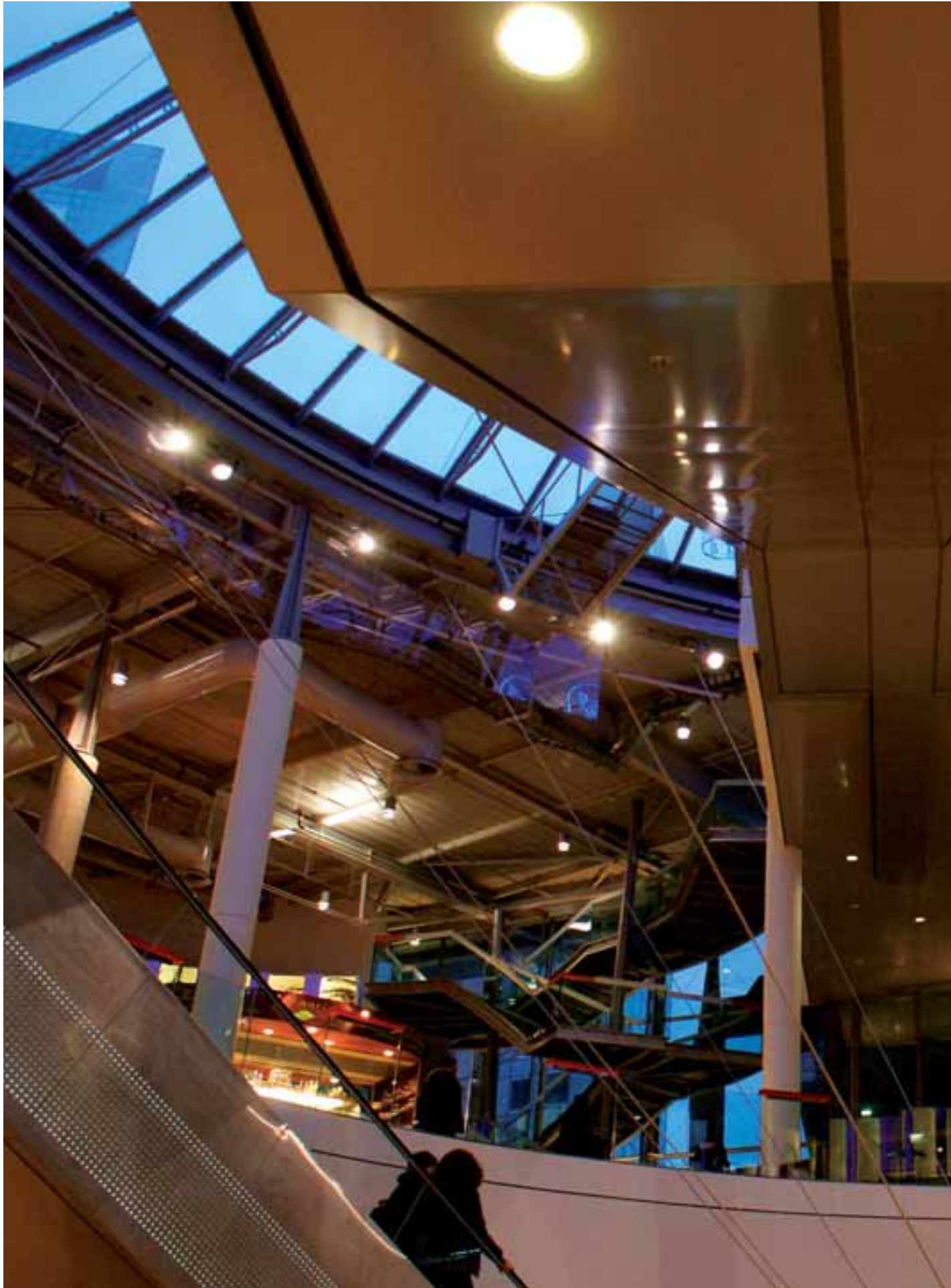
LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Sato LED 6500°K

Ref. **019 01 33 86 SM**

White Matt glass inside





Downlight LED Ledion Micro

Protection degree IP44 / IP65



- Material:** Die casting aluminium
- Optics:** Aluminum reflector. Includes protection glass for IP44.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** Osram Golden Dragon LEDs 7,2w. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span, 40,000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, black, matt chrome and titanium

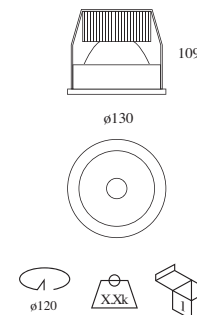
Includes protection glass, driver and LED lamp 7,2w / 600 lumens

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3000 01 09 86	White	LED	7,2w	144,02	0,50
	3000 02 09 86	Black	LED	7,2w	148,33	0,50
	3000 52 09 86	Matt chrome	LED	7,2w	148,33	0,50
	3000 90 09 86	Titanium	LED	7,2w	148,33	0,50

* Supplied in a standard manner with 6500° K lamp

Rough price increase of driver		€
Ref. DR	Dimmable driver	39,80

Rough price increase of accessories		€
Ref. 3004	Matt glass	3,92
Ref. IP65	Joint IP65	19,00



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Downlight LED Ledion Mini

Protection degree IP44 / IP65



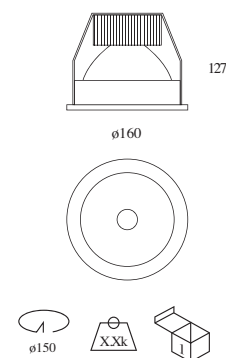
- Material:** Die casting aluminium
- Optics:** Aluminum reflector. Includes protection glass for IP44.
- Supply:** Driver supplied driver for each type of lamp and wattage.
- Lamps:** Led lamp Bridgelux (USA) 17W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span, 40,000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, black, matt chrome and titanium.

Includes protection glass, driver and LED 17W / 800 lumens

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3001 01 17 85	White	LED	17w	180,23	0,50
	3001 02 17 85	Black	LED	17w	184,05	0,50
	3001 52 17 85	Matt chrome	LED	17w	184,05	0,50
	3001 90 17 85	Titanium	LED	17w	184,05	0,50

* Supplied in a standard manner with lamp 5600° K lamp

LED OPTIONS		Increase
Ref. 83	3000°K	39,40
Rough price increase of driver		€
Ref. DR	Dimmable driver 1 - 10v	48,60
Ref. DRD	Dimmable driver Dali	56,10
Rough price increase of accessories		€
Ref. 3005	Matt glass	4,10
Ref. IP65	Joint IP65	19,00



Downlight LED Ledion Medium

Protection degree IP44 / IP65



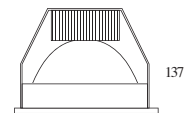
- Material:** Die casting aluminium
- Optics:** Aluminum reflector. Includes protection glass for IP44.
- Supply:** Driver supplied driver for each type of lamp and wattage.
- Lamps:** Led lamp Bridgelux (USA) 25W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span, 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, black, matt chrome and titanium.



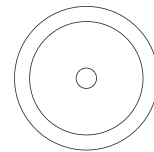
Includes protection glass, driver and LED 25W / 1200 lumens

	Ref.	Colour	Lamp	W	€	RAEE lum.
LED	3002 01 25 85	White	LED	25w	191,58	0,50
	3002 02 25 85	Black	LED	25w	195,59	0,50
	3002 52 25 85	Matt chrome	LED	25w	195,59	0,50
	3002 90 25 85	Titanium	LED	25w	195,59	0,50

* Supplied in a standard manner with lamp 5600° K lamp



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LED OPTIONS

IRC / Colour temperature		Increase
Ref. 83	3000°K	39,40
Rough price increase of driver		€
Ref. DR	Dimmable driver 1 - 10v	49,40
Ref. DRD	Dimmable driver Dali	56,90
Rough price increase of accessories		€
Ref. 3006	Matt glass	4,30
Ref. IP65	Joint IP65	19,00



Downlight LED Ledión

Protection degree IP44 / IP65

- Material:** Entirely made of aluminum casting.
- Optics:** Aluminum reflector. Includes protection glass for IP44.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** Led lamp Bridgelux (USA) 29W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span, 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, black, matt chrome and titanium.



Includes protection glass, driver and LED 29W / 2000 lumens

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3003 01 29 85	White	LED	29w	199,90	0,50
	3003 02 29 85	Black	LED	29w	214,80	0,50
	3003 52 29 85	Matt chrome	LED	29w	214,80	0,50
	3003 90 29 85	Titanium	LED	29w	214,80	0,50

* Supplied in a standard manner with lamp 5600° K lamp



Includes protection glass, driver and LED 30W / 2000 lumens

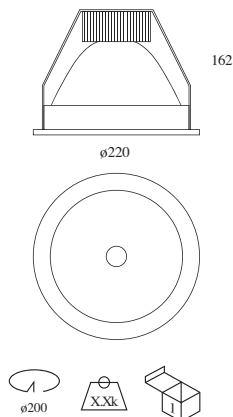
LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3003 01 30 83	White	LED	30w	227,22	0,50
	3003 02 30 83	Black	LED	30w	233,30	0,50
	3003 52 30 83	Matt chrome	LED	30w	233,30	0,50
	3003 90 30 83	Titanium	LED	30w	233,30	0,50

* Supplied in a standard manner with lamp 3500° K lamp



Se desmonta facilmente para su limpieza.

Rough price increase of driver		€
Ref. DR	Dimmable driver 1 - 10v	49,90
Ref. DRD	Dimmable driver Dali	57,40
Rough price increase of accessories		€
Ref. 3007	Matt glass	4,50
Ref. IP65	Joint IP65	19,00

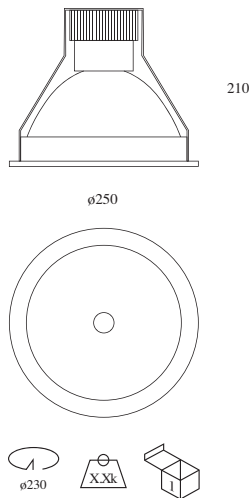


Supraledi3n LED

Protection degree IP44 / IP65



- Material:** Entirely made of aluminum casting.
- Optics:** Aluminum reflector. Includes protection glass for IP44.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** Led lamp Bridgelux (USA) 50W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span, 40.000 hours.
- Installation:** Ceiling-recessed, fit for all types of modular and plaster ceilings.
- Colours:** White, black, matt chrome and titanium.



Supraledi3n LED 50w / 5600°K / 4500 lumens

Includes protection glass, driver and LED 50W / 4500 lumens

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3172 01 50 85	White	LED	50w	406,02	0,50
	3172 02 50 85	Black	LED	50w	426,32	0,50
	3172 52 50 85	Matt chrome	LED	50w	426,32	0,50
	3172 90 50 85	Titanium	LED	50w	426,32	0,50

Supraledi3n LED 50w / 4100°K / 3500 lumens

Includes protection glass, driver and LED 50W / 3500 lumens

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3172 01 50 84	White	LED	50w	410,76	0,50
	3172 02 50 84	Black	LED	50w	431,30	0,50
	3172 52 50 84	Matt chrome	LED	50w	431,30	0,50
	3172 90 50 84	Titanium	LED	50w	431,30	0,50

Supraledi3n LED 50w / 3000°K / 3100 lumens

Includes protection glass, driver and LED 50 W / 3100 lumens

	Ref.	Colour	Lamp	W	€	RAEE lum.
	3172 01 50 83	White	LED	50w	411,58	0,50
	3172 02 50 83	Black	LED	50w	432,14	0,50
	3172 52 50 83	Matt chrome	LED	50w	432,14	0,50
	3172 90 50 83	Titanium	LED	50w	432,14	0,50

Rough price increase of accessories

Ref.	Accessories	€
Ref. 3007	Matt glass	4,50
Ref. IP65	Joint IP65	19,00

Downlight LED Efital

Protection degree IP44 / IP65




- Material:** Aluminum die casting.
Optics: Aluminum reflector. Includes protection glass for IP44.
Supply: Driver supplied for each type of lamp and wattage. Optionally available with adjustable driver (Ref. TD).
Lamps: Philips LED Fortimo System, recommended for domestic, commercial and industrial use.
Estimated life: Estimated life span, 40.000 hours.
Installation: Ceiling-recessed, fit for all types of modular and plaster ceilings.
Colours: White, black, matt chrome and titanium.

Downlight LED Efital Food. Designed for the food industry because of its excellent CRI and low release of color emissions and and ultra-violet rays. Specially recommended for restaurants, supermarkets, and all kind of grocery stores.


Downlight LED Efital 14w / 4000°K / 1100 lumens

Includes protection glass, driver and LED 14w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3010 01 14 84	White	LED	14w	274,17	0,50
	3010 02 14 84	Black	LED	14w	282,70	0,50
	3010 52 14 84	Matt chrome	LED	14w	282,70	0,50
	3010 90 14 84	Titanium	LED	14w	282,70	0,50


Downlight LED Efital 44w / 4000°K / 3000 lumens

Includes protection glass, driver and LED 44w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3194 01 44 84	White	LED	1x44w	430,82	0,50
	3194 02 44 84	Black	LED	1x44w	443,75	0,50
	3194 52 44 84	Matt chrome	LED	1x44w	443,75	0,50
	3194 90 44 84	Titanium	LED	1x44w	443,75	0,50


Downlight LED Efital 16w / 3000°K / 1100 lumens

Includes protection glass, driver and LED 16w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3011 01 16 83	White	LED	16w	280,92	0,50
	3011 02 16 83	Black	LED	16w	289,35	0,50
	3011 52 16 83	Matt chrome	LED	16w	289,35	0,50
	3011 90 16 83	Titanium	LED	16w	289,35	0,50


Downlight LED Efital Food 50w / 3000°K / 1800 lumens

Includes protection glass, driver and LED 50w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3013 01 50 83	White	LED	1x50w	479,75	0,50
	3013 02 50 83	Black	LED	1x50w	494,14	0,50
	3013 52 50 83	Matt chrome	LED	1x50w	494,14	0,50
	3013 90 50 83	Titanium	LED	1x50w	494,14	0,50


Downlight LED Efital 26w / 4000°K / 2000 lumens

Includes protection glass, driver and LED 26w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3012 01 26 84	White	LED	26w	297,55	0,50
	3012 02 26 84	Black	LED	26w	306,36	0,50
	3012 52 26 84	Matt chrome	LED	26w	306,36	0,50
	3012 90 26 84	Titanium	LED	26w	306,36	0,50


Downlight LED Efital Food 50w / 4000°K / 2000 lumens

Includes protection glass, driver and LED 50W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3013 01 50 84	White	LED	1x50w	461,65	0,50
	3013 02 50 84	Black	LED	1x50w	475,50	0,50
	3013 52 50 84	Matt chrome	LED	1x50w	475,50	0,50
	3013 90 50 84	Titanium	LED	1x50w	475,50	0,50


Downlight LED Efital 27w / 3500°K / 2000 lumens

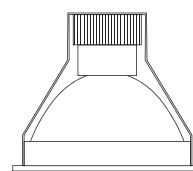
Includes protection glass, driver and LED 27w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3012 01 29 83	White	LED	27w	304,79	0,50
	3012 02 29 83	Black	LED	27w	313,93	0,50
	3012 52 29 83	Matt chrome	LED	27w	313,93	0,50
	3012 90 29 83	Titanium	LED	27w	313,93	0,50

Downlight LED Efital RGB con DMX/ 1100 lumens

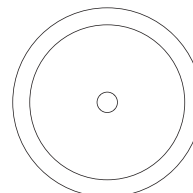
Includes protection glass, driver and LED RGB

LED	Ref.	Colour	Lamp	€	RAEE lum.
	3306 01	White	LED RGB	473,29	0,50
	3306 02	Black	LED RGB	474,81	0,50
	3306 52	Matt chrome	LED RGB	474,81	0,50
	3306 90	Titanium	LED RGB	474,81	0,50



210

ø250



Rough price increase of driver		€
Ref. TD	Monochrome dimmable driver	29,90

Rough price increase of accesories		€
Ref. 3166	Matt glass	7,20
Ref. IP65	Joint IP65	19,00

IDMX nterface. Interface panel recessed wall for easy installation (plug and play device) used to control RGB lights together and allows the storage of up to two static scenes.

It is designed for professional lighting control allowing changes in the intensity, color temperature and saturation, which allows creative control of up to thirty lights without amplifier.



Rough price increase of driver		€
Ref. 3307	DMX power connector and controller for RGB. Able to operate up to 30 fittings.	660,00



APPLICATIONS FOR FLUORESCENT LAMPS**Chromatic reproduction index (IRC or Ra).**

We use a scale from 0 to 100 to measure how a luminous source can reproduce the aspect of colours towards a "pattern luminous source".

We measure the difference between the colour coming from our luminous source and the real light it would had under normalized light of such a "pattern luminous source".

Colour temperature (Tc)

It is the temperature (Kelvin degrees) reached by a black object when heating up to give out the same light as our luminous source.

There is a normalized chart for colours or wavelengths emitted by a black object or "perfect radiator", according to Kelvin degrees.

Colour temperature indicates the seeming light of a luminous source, there are 3 major groups:

Warm (yellow light): From 2700°K to 3500°K (around)

Neutral: From 3500°K to 4000°K (around)

Cold (White light): From 4000°K to 6000°K (around)

Colour temperature must match lighting levels to create a natural and nice feeling. Such effect can be checked through a diagram called: "Kruithof chart".



Ref. **82** 827 / 2700K° lamp

Ref. **83** 830 / 3000K° lamp

Ref. **84** 840 / 4000K° lamp

Ref. **86** 865 / 6500K° lamp



Ref. G Control Gear.

Strong ballast, long lasting and economic, guarantees the efficiency of lamps.

Ref. AF Control Gear and condensa High Factor capacitor.

Strong ballast, long lasting and economic, guarantees the efficiency of lamps which together with a capacitor allows to correct the power factor.

Ref. BE Electronic Ballast with preheating.

The use of this ballast means an energetic save of 25% compared with the conventional control gear, which increases the endurance of lamps up to a 50%, which is especially important when there is a lot of on and off switching everyday. It corrects the flow of power and the blinking when functioning with high frequencies. As a result of the low consumption, we reduce the CO2 emission into the atmosphere.

Ref. BR Electronic Dimmable Ballast 1-10v.

With the same characteristics than the electronic ballast with preheating, also allows analogic dimming that lets the user to control the intensity of light from 1% to 100% with the dimmer into the switch.

Ref. TD Electronic Dimmable Ballast Touch and Dim/DALI.

With the same characteristics than the electronic ballast with preheating, also allows dimming with a switch, which lets the adjustment of light as wished. One push to switch on and off, and keep pushed to dimm. Compatible with DALI protocol.

Ref. CF Lighting Flow Control.

With the same characteristics than the electronic ballast with preheating, it is a device which includes a sensor of the lighting needed depending on the surrounding natural light. Its aim is to save energy, compensating the excessive light caused by overdimensioned lighting structure.

This device if attached to the lamp with a simple clip, and is connected to the electronic dimmable ballast 1-10V (ref. BR). Wherever such ballast is connected it will be named as **“master”**, and depending on the amount of light received by the sensor in the master ballast, it can be dimmed up to 20 **“slave”** ballasts in line. (These should also be electronic dimmable ballast 1 – 10 V). This sensor also has a rotating diaphragm, that allows to adjust manually the light intensity.

Ref. FP Lighting Flow and Presence Control.

With the same characteristics than the electronic ballast with preheating, it is a device based on a multiple sensor (natural light level, movement and IR receiver), and a control which turns sensor information into a digital signal. The Touch & Dali ballast connected to this system will become the **“master”** ballast. This system can control a maximum of 8 **“slave”** ballasts (which also have to be electronic dimmable Touch & Dali ballast).

Lamps luminous intensity is regulated according to the amount of natural light and the physical presence, without any type of programming. This system allows adapting automatically delays so that it gradually reduces intensity as it detected empty areas, while keeping a comfortable distribution without umbra. It reaches energy savings of 75%. It also allows varying programming by changing pre-programmed light level with a button in the sensor device adapted to the needs of the installation. It is not necessary to use switches with cables and so, it considerably reduces installation costs. at the same time it increases flexibility in case of changes in distribution and lighting rooms.



Lighting control system



Lighting sensor control system

Technical data	Lighting control system	Lighting sensor control system
	Ref. CF	Ref. FP
Control system according to sunlight light	YES	YES
Movement sensor	NO	YES
IR remote control	NO	YES
Switching	NO	YES
Maximum number of slave units	20	8
Type of ballast	BR	TD
Maximum height of set-up	4 m	3.5 m

Ref. KE Emergency kit .

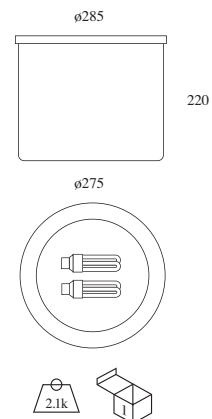
In case of power cut, the emergency kit system allows an easy and safe evacuation of users outside. The system has an internal storage battery in constant charge which able to supply 30% of its power during a maximum of 3 hours.



Supor PL

Protection degree IP20 / IP43

- Material:** Conformed aluminium thermo painted.
- Optics:** Darklight diffuser for Supor Darklight version. It cuts down on the dazzle. Supor PL, it can be supplied with transparent protective glass with serigraphy (Ref. CT 494) or matt glass (Ref. CM 494), for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Control gear for PL-T lamps from 13 up to 26 watts and electronic ballast for PLT/E lamps 32 /42 watts, are included. Optionally supplied with electronic ballast for PL lamps from 13 up to 26 watts or with domotics sensors systems. Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Directly screw on ceiling or on wall (screw not included) or hang up with a suspension (Ref. 1211).
- Colours:** White, black, matt chrome and titanium.



Supor PL surface 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
003C 01 13	White	PL	G-24d-1	1x13w	88,64	0,50	0,20
003C 02 13	Black	PL	G-24d-1	1x13w	94,28	0,50	0,20
003C 52 13	Matt chrome	PL	G-24d-1	1x13w	94,28	0,50	0,20
003C 90 13	Titanium	PL	G-24d-1	1x13w	94,28	0,50	0,20
003C 01 18	White	PL	G-24d-2	1x18w	88,66	0,50	0,20
003C 02 18	Black	PL	G-24d-2	1x18w	94,30	0,50	0,20
003C 52 18	Matt chrome	PL	G-24d-2	1x18w	94,30	0,50	0,20
003C 90 18	Titanium	PL	G-24d-2	1x18w	94,30	0,50	0,20
003C 01 26	White	PL	G-24d-3	1x26w	88,68	0,50	0,20
003C 02 26	Black	PL	G-24d-3	1x26w	94,32	0,50	0,20
003C 52 26	Matt chrome	PL	G-24d-3	1x26w	94,32	0,50	0,20
003C 90 26	Titanium	PL	G-24d-3	1x26w	94,32	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
003C 01 32	White	PLT/E	GX24Q-3	1x32w	124,95	0,50	0,20
003C 02 32	Black	PLT/E	GX24Q-3	1x32w	128,44	0,50	0,20
003C 52 32	Matt chrome	PLT/E	GX24Q-3	1x32w	128,44	0,50	0,20
003C 90 32	Titanium	PLT/E	GX24Q-3	1x32w	128,44	0,50	0,20
003C 01 42	White	PLT/E	GX24Q-4	1x42w	124,98	0,50	0,20
003C 02 42	Black	PLT/E	GX24Q-4	1x42w	128,72	0,50	0,20
003C 52 42	Matt chrome	PLT/E	GX24Q-4	1x42w	128,72	0,50	0,20
003C 90 42	Titanium	PLT/E	GX24Q-4	1x42w	128,72	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Supor PL surface 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
004C 01 13	White	PL	G-24d-1	2x13w	95,13	0,50	0,40
004C 02 13	Black	PL	G-24d-1	2x13w	100,75	0,50	0,40
004C 52 13	Matt chrome	PL	G-24d-1	2x13w	100,75	0,50	0,40
004C 90 13	Titanium	PL	G-24d-1	2x13w	100,75	0,50	0,40
004C 01 18	White	PL	G-24d-2	2x18w	95,15	0,50	0,40
004C 02 18	Black	PL	G-24d-2	2x18w	100,77	0,50	0,40
004C 52 18	Matt chrome	PL	G-24d-2	2x18w	100,77	0,50	0,40
004C 90 18	Titanium	PL	G-24d-2	2x18w	100,77	0,50	0,40
004C 01 26	White	PL	G-24d-3	2x26w	95,17	0,50	0,40
004C 02 26	Black	PL	G-24d-3	2x26w	100,79	0,50	0,40
004C 52 26	Matt chrome	PL	G-24d-3	2x26w	100,79	0,50	0,40
004C 90 26	Titanium	PL	G-24d-3	2x26w	100,79	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
004C 01 32	White	PLT/E	GX24Q-3	2x32w	135,52	0,50	0,40
004C 02 32	Black	PLT/E	GX24Q-3	2x32w	139,29	0,50	0,40
004C 52 32	Matt chrome	PLT/E	GX24Q-3	2x32w	139,29	0,50	0,40
004C 90 32	Titanium	PLT/E	GX24Q-3	2x32w	139,29	0,50	0,40
004C 01 42	White	PLT/E	GX24Q-4	2x42w	135,54	0,50	0,40
004C 02 42	Black	PLT/E	GX24Q-4	2x42w	139,31	0,50	0,40
004C 52 42	Matt chrome	PLT/E	GX24Q-4	2x42w	139,31	0,50	0,40
004C 90 42	Titanium	PLT/E	GX24Q-4	2x42w	139,31	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4200°K
PL 13w	•	•	•
PL 18w	•	•	•
PL 26w	•	•	•
PLT/E 32w	•	•	•
PLT/E 42w	•	•	•

OPTIONS

Rough price increase of control gear		€	1x13/18/26w	1x32/42w	2X 13/18/26w	2x32/42w
Ref. AF	High factor	2,90	€	€	€	€
Ref. BE	Electronic ballast	19,00	-	24,00	-	-
Ref. BR	Dimmable electronic ballast 1-10v	85,00	85,00	87,00	87,00	87,00
Ref. TD	Dimmable ballast Touch and Dim	85,00	85,00	87,00	87,00	87,00
Ref. CF	Lighting control system "master"	129,00	129,00	136,00	136,00	136,00
Ref. FP	Lighting sensor control system "master"	275,00	275,00	283,00	283,00	283,00
Ref. KE	Emergency kit	130,00				

Rough price increase of accessories

		€
Ref. CT 494	Transparent glass with serigraphy	4,36
Ref. CM 494	Matt glass	4,57
Ref. CTT	Transparent glass	4,36
Ref. CTP	Polycarbonate protection	8,88
Ref. 54	Glass and joint IP54	11,00
Ref. 1008	Darkligh	18,90
Ref. WL	Wieland connector	16,30
Ref. 1211	Suspension kit	26,80

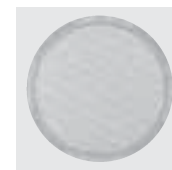
Increase by lamp with respect to 26W

		1 lamp	2 lamps
Ref. LED 83	PL LED lamp 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL LED lamp 14,4w - 5.500°K *	52,00	104,00

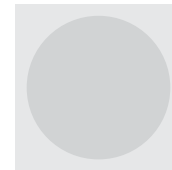
(*) Made Osram Golden Dragon Plus LED.



Ref. CTT
Transparent glass.



Ref. CT 494
Transp. glass serigraphy



Ref. CM 494
Matt glass.



Ref. CTP
Polycarbonate protection.



Ref. 1008
Accesorio darklight.



Ref. 1211
Suspension kit. Standard version 1 metre length. Made-to-measure possibility.

Example to write a reference with options

Supor PL x1 26w Electronic ballast

Ref. **003C 01 26 82 BE CM494**

White 2700°K Matt glass

Luzco PL

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Darklight diffuser for Luzco Darklight version. It cuts down on the dazzle. Luzco PL, it can be supplied with transparent protective glass (Ref. CTL) or matt glass (Ref. CML), for an IP43 protection.
- Supply:** Equipments adapted to the type of lamp and to the power needed are included in all the models. Control gear for PL-T lamps from 13 up to 26 watts and electronic ballast for PLT/E lamps 32 /42 watts, are included. Optionally supplied with electronic ballast for PL lamps from 13 up to 26 watts or with domotics sensors systems. Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Directly screw on ceiling or on wall (screw not included) or hang up with a suspension (Ref. 1211).
- Colours:** White, black, matt chrome and titanium.



Luzco PL surface 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
007C 01 13	White	PL	G-24d-1	1x13w	93,52	0,50	0,20
007C 02 13	Black	PL	G-24d-1	1x13w	99,51	0,50	0,20
007C 52 13	Matt chrome	PL	G-24d-1	1x13w	99,51	0,50	0,20
007C 90 13	Titanium	PL	G-24d-1	1x13w	99,51	0,50	0,20
007C 01 18	White	PL	G-24d-2	1x18w	93,54	0,50	0,20
007C 02 18	Black	PL	G-24d-2	1x18w	99,53	0,50	0,20
007C 52 18	Matt chrome	PL	G-24d-2	1x18w	99,53	0,50	0,20
007C 90 18	Titanium	PL	G-24d-2	1x18w	99,53	0,50	0,20
007C 01 26	White	PL	G-24d-3	1x26w	93,56	0,50	0,20
007C 02 26	Black	PL	G-24d-3	1x26w	99,55	0,50	0,20
007C 52 26	Matt chrome	PL	G-24d-3	1x26w	99,55	0,50	0,20
007C 90 26	Titanium	PL	G-24d-3	1x26w	99,55	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
007C 01 32	White	PLT/E	GX24Q-3	1x32w	128,05	0,50	0,20
007C 02 32	Black	PLT/E	GX24Q-3	1x32w	131,55	0,50	0,20
007C 52 32	Matt chrome	PLT/E	GX24Q-3	1x32w	131,55	0,50	0,20
007C 90 32	Titanium	PLT/E	GX24Q-3	1x32w	131,55	0,50	0,20
007C 01 42	White	PLT/E	GX24Q-4	1x42w	128,07	0,50	0,20
007C 02 42	Black	PLT/E	GX24Q-4	1x42w	131,57	0,50	0,20
007C 52 42	Matt chrome	PLT/E	GX24Q-4	1x42w	131,57	0,50	0,20
007C 90 42	Titanium	PLT/E	GX24Q-4	1x42w	131,57	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Luzco PL surface 2 lamps

Includes control gear and PL lamps

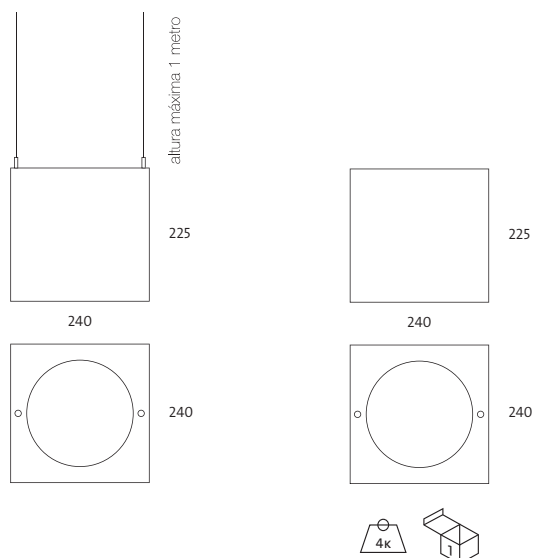
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
008C 01 13	White	PL	G-24d-1	2x13w	99,74	0,50	0,40
008C 02 13	Black	PL	G-24d-1	2x13w	105,06	0,50	0,40
008C 52 13	Matt chrome	PL	G-24d-1	2x13w	105,06	0,50	0,40
008C 90 13	Titanium	PL	G-24d-1	2x13w	105,06	0,50	0,40
008C 01 18	White	PL	G-24d-2	2x18w	99,76	0,50	0,40
008C 02 18	Black	PL	G-24d-2	2x18w	105,08	0,50	0,40
008C 52 18	Matt chrome	PL	G-24d-2	2x18w	105,08	0,50	0,40
008C 90 18	Titanium	PL	G-24d-2	2x18w	105,08	0,50	0,40
008C 01 26	White	PL	G-24d-3	2x26w	99,77	0,50	0,40
008C 02 26	Black	PL	G-24d-3	2x26w	105,10	0,50	0,40
008C 52 26	Matt chrome	PL	G-24d-3	2x26w	105,10	0,50	0,40
008C 90 26	Titanium	PL	G-24d-3	2x26w	105,10	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
008C 01 32	White	PLT/E	GX24Q-3	2x32w	138,18	0,50	0,40
008C 02 32	Black	PLT/E	GX24Q-3	2x32w	141,76	0,50	0,40
008C 52 32	Matt chrome	PLT/E	GX24Q-3	2x32w	141,76	0,50	0,40
008C 90 32	Titanium	PLT/E	GX24Q-3	2x32w	141,76	0,50	0,40
008C 01 42	White	PLT/E	GX24Q-4	2x42w	138,20	0,50	0,40
008C 02 42	Black	PLT/E	GX24Q-4	2x42w	141,81	0,50	0,40
008C 52 42	Matt chrome	PLT/E	GX24Q-4	2x42w	141,81	0,50	0,40
008C 90 42	Titanium	PLT/E	GX24Q-4	2x42w	141,81	0,50	0,40

* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

OPTIONS

Rough price increase of control gear		€	1x13/18/26w	1x32/42w	2X 13/18/26w	2x32/42w
Ref. AF	High factor	2,90	€	€	€	€
Ref. BE	Electronic ballast		19,00	-	24,00	-
Ref. BR	Dimmable electronic ballast 1-10v		85,00	85,00	87,00	87,00
Ref. TD	Dimmable ballast Touch and Dim		85,00	85,00	87,00	87,00
Ref. CF	Lighting control system "master"		129,00	129,00	136,00	136,00
Ref. FP	Lighting sensor control system "master"		275,00	275,00	283,00	283,00
Ref. KE	Emergency kit	130,00				

Rough price increase of accessories

		€
Ref. CTL	Transparent glass Luzco	9,76
Ref. CML	Matt glass Luzco	9,88
Ref. 1008	Darklight	18,90
Ref. 1211	Suspension kit	26,80

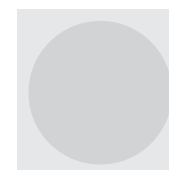
Increase by lamp with respect to 26W

		1 lamp	2 lamps
Ref. LED 83	PL LED lamp 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL LED lamp 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.



Ref. CTL
Transparent glass.



Ref. CML
Matt glass.



Ref. 1211
Suspension kit. Standard version 1 metre length. Made-to-measure possibility.

Example to write a reference with options

Luzco PL 2 lamp. 26w Dimmable electronic

Ref. 008C 01 26 83 BE

White 3000°K

Surface Low Consumption

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Optionally supplied with transparent protective glass with serigraphy (Ref. CT) or matt glass (Ref. CM), for an IP43 protection.
- Supply:** Control gear adapted to the power needed is included. Driver for LED lamps.
- Lamps:** It uses 1 or 2 low consumption lamps PL from 13 up to 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Directly screw on ceiling or on wall (screw not included).
- Colours:** White, matt chrome and titanium.



Surface Low Consumption 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
431 01 84	White	PL G-23	1x9w	57,89	0,50	0,20	
431 52 84	Matt chrome	PL G-23	1x9w	81,18	0,50	0,20	
431 90 84	Titanium	PL G-23	1x9w	81,18	0,50	0,20	
432 01 84	White	PL G-24d-1	1x13w	57,89	0,50	0,20	
432 52 84	Matt chrome	PL G-24d-1	1x13w	81,18	0,50	0,20	
432 90 84	Titanium	PL G-24d-1	1x13w	81,18	0,50	0,20	
433 01 84	White	PL G-24d-2	1x18w	57,89	0,50	0,20	
433 52 84	Matt chrome	PL G-24d-2	1x18w	81,18	0,50	0,20	
433 90 84	Titanium	PL G-24d-2	1x18w	81,18	0,50	0,20	
434 01 84	White	PL G-24d-3	1x26w	57,89	0,50	0,20	
434 52 84	Matt chrome	PL G-24d-3	1x26w	81,18	0,50	0,20	
434 90 84	Titanium	PL G-24d-3	1x26w	81,18	0,50	0,20	

* Supplied in a standard manner with 4200° K lamp

Includes driver and 1 LED lamp 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
434 01 14	White	LED G-24d-3	1x14,4w	110,15	0,50	0,20	
434 52 14	Matt chrome	LED G-24d-3	1x14,4w	133,44	0,50	0,20	
434 90 14	Titanium	LED G-24d-3	1x14,4w	133,44	0,50	0,20	

* Supplied in a standard manner with 5400° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4200°K
PL 9w	•	•	•
PL 13w	•	•	•
PL 18w	•	•	•
PL 26w	•	•	•

PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300K°	5400°K
PL LED 14,4w	•	•

(*) Made Osram Golden Dragon Plus LED.

Rough price increase of control gear	1x9w/13w/18w	1x26w	2x9w/13w/18w	2x26w
Ref. BE Electronic ballast	€ 19,00	€ 19,00	€ 24,00	€ 30,00

Rough price increase of accessories	€
Ref. CT Transparent glass with serigraphy	4,36
Ref. CM Matt glass	4,57
Ref. CTT Transparent glass	4,36
Ref. CTP Polycarbonate protection	8,88

Surface Low Consumption 2 lamps

Includes control gear and PL lamps

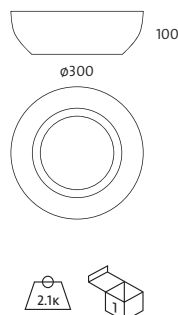
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
435 01 84	White	PL G-23	2x9w	64,35	0,50	0,40	
435 52 84	Matt chrome	PL G-23	2x9w	87,21	0,50	0,40	
435 90 84	Titanium	PL G-23	2x9w	87,21	0,50	0,40	
436 01 84	White	PL G-24d-1	2x13w	64,35	0,50	0,40	
436 52 84	Matt chrome	PL G-24d-1	2x13w	87,21	0,50	0,40	
436 90 84	Titanium	PL G-24d-1	2x13w	87,21	0,50	0,40	
437 01 84	White	PL G-24d-2	2x18w	64,35	0,50	0,40	
437 52 84	Matt chrome	PL G-24d-2	2x18w	87,21	0,50	0,40	
437 90 84	Titanium	PL G-24d-2	2x18w	87,21	0,50	0,40	
438 01 84	White	PL G-24d-3	2x26w	64,35	0,50	0,40	
438 52 84	Matt chrome	PL G-24d-3	2x26w	87,21	0,50	0,40	
438 90 84	Titanium	PL G-24d-3	2x26w	87,21	0,50	0,40	

* Supplied in a standard manner with 4200° K lamp

Includes driver and 2 LED lamp 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
438 01 14	White	LED G-24d-3	2x14,4w	168,80	0,50	0,40	
438 52 14	Matt chrome	LED G-24d-3	2x14,4w	191,73	0,50	0,40	
438 90 14	Titanium	LED G-24d-3	2x14,4w	191,73	0,50	0,40	

* Supplied in a standard manner with 5400° K lamp



Ref. CTT Transparent glass.



Ref. CT Transparent glass with serigraphy



Ref. CM Matt glass



Ref. CTP Polycarbonate protection.

Example to write a reference with options

Surface Low Consumption 1x9w 3000°K

Ref. **431 90 83 CM**

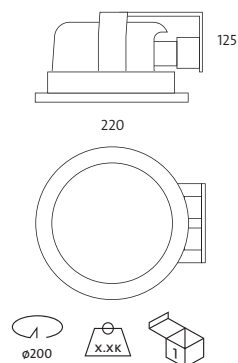
Titanium Matt glass



Ledi3n PL

Protection degree IP44 /IP65

- Material:** Aluminum die casting.
- Optics:** Aluminum reflector. Includes protection glass for IP44. Optionally supplied with matt protective glass (Ref.3093)
- Supply:** Equipments adapted to the type of lamp and to the power needed are included in all the models. Control gear for PL-T lamps from 13 up to 26 watts and electronic ballast for PLT/E lamps 32 /42 watts, are included.
- Lamps:** Optionally supplied with electronic ballast for PL lamps from 13 up to 26 watts or with domotics sensors systems.
- Installation:** It uses low consumption lamps PL from 13 up to 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Colours:** Directly screw on ceiling or on wall (screw not included).
White, black, matt chrome and titanium.



Ledi3n PL 1 lamp

Includes electronic ballast and PLC-E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3072 01 13 84	White	PLC-E G24q-1	1x13w	54,14	0,25	0,20	
3072 02 13 84	Black	PLC-E G24q-1	1x13w	60,37	0,25	0,20	
3072 52 13 84	Matt chrome	PLC-E G24q-1	1x13w	60,37	0,25	0,20	
3072 90 13 84	Titanium	PLC-E G24q-1	1x13w	60,37	0,25	0,20	
3072 01 18 84	White	PLC-E G24q-2	1x18w	54,16	0,25	0,20	
3072 02 18 84	Black	PLC-E G24q-2	1x18w	60,39	0,25	0,20	
3072 52 18 84	Matt chrome	PLC-E G24q-2	1x18w	60,39	0,25	0,20	
3072 90 18 84	Titanium	PLC-E G24q-2	1x18w	60,39	0,25	0,20	
3072 01 26 84	White	PLC-E G24q-3	1x26w	54,18	0,25	0,20	
3072 02 26 84	Black	PLC-E G24q-3	1x26w	60,41	0,25	0,20	
3072 52 26 84	Matt chrome	PLC-E G24q-3	1x26w	60,41	0,25	0,20	
3072 90 26 84	Titanium	PLC-E G24q-3	1x26w	60,41	0,25	0,20	

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT lamp-E

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3072 01 32 84	White	PLT/E GX24Q-3	1x32w	102,89	0,50	0,20	
3072 02 32 84	Black	PLT/E GX24Q-3	1x32w	107,53	0,50	0,20	
3072 52 32 84	Matt chrome	PLT/E GX24Q-3	1x32w	107,53	0,50	0,20	
3072 90 32 84	Titanium	PLT/E GX24Q-3	1x32w	107,53	0,50	0,20	
3072 01 42 84	White	PLT/E GX24Q-4	1x42w	102,91	0,50	0,20	
3072 02 42 84	Black	PLT/E GX24Q-4	1x42w	107,55	0,50	0,20	
3072 52 42 84	Matt chrome	PLT/E GX24Q-4	1x42w	107,55	0,50	0,20	
3072 90 42 84	Titanium	PLT/E GX24Q-4	1x42w	107,55	0,50	0,20	

* Supplied in a standard manner with 4200° K lamp

Ledi3n PL 2 lamps

Includes electronic ballast and PLC-E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3073 01 13 84	White	PLC-E G24q-1	2x13w	66,76	0,25	0,40	
3073 02 13 84	Black	PLC-E G24q-1	2x13w	72,34	0,25	0,40	
3073 52 13 84	Matt chrome	PLC-E G24q-1	2x13w	72,34	0,25	0,40	
3073 90 13 84	Titanium	PLC-E G24q-1	2x13w	72,34	0,25	0,40	
3073 01 18 84	White	PLC-E G24q-2	2x18w	66,76	0,25	0,40	
3073 02 18 84	Black	PLC-E G24q-2	2x18w	72,36	0,25	0,40	
3073 52 18 84	Matt chrome	PLC-E G24q-2	2x18w	72,36	0,25	0,40	
3073 90 18 84	Titanium	PLC-E G24q-2	2x18w	72,36	0,25	0,40	
3073 01 26 84	White	PLC-E G24q-3	2x26w	66,80	0,25	0,40	
3073 02 26 84	Black	PLC-E G24q-3	2x26w	72,38	0,25	0,40	
3073 52 26 84	Matt chrome	PLC-E G24q-3	2x26w	72,38	0,25	0,40	
3073 90 26 84	Titanium	PLC-E G24q-3	2x26w	72,38	0,25	0,40	

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and lamps PLT/E

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3073 01 32 84	White	PLT/E GX24Q-3	2x32w	123,18	0,50	0,40	
3073 02 32 84	Black	PLT/E GX24Q-3	2x32w	130,19	0,50	0,40	
3073 52 32 84	Matt chrome	PLT/E GX24Q-3	2x32w	130,19	0,50	0,40	
3073 90 32 84	Titanium	PLT/E GX24Q-3	2x32w	130,19	0,50	0,40	
3073 01 42 84	White	PLT/E GX24Q-4	2x42w	123,20	0,50	0,40	
3073 02 42 84	Black	PLT/E GX24Q-4	2x42w	130,21	0,50	0,40	
3073 52 42 84	Matt chrome	PLT/E GX24Q-4	2x42w	130,21	0,50	0,40	
3073 90 42 84	Titanium	PLT/E GX24Q-4	2x42w	130,21	0,50	0,40	

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
<i>Colour temperature</i>	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

<i>Rough price increase of control gear</i>	1x9/13/18/26w	1x32/42w	2x9/13/18/26w	2x32/42w
	€	€	€	€
Ref. BR Dimmable electronic ballast 1-10v	85.00	85.00	87.00	87.00
Ref. TD Dimmable ballast Touch and Dim	85.00	85.00	87.00	87.00
Ref. CF Lighting control system "master"	129.00	129.00	136.00	136.00
Ref. FP Lighting sensor control system "master"	275.00	275.00	283.00	283.00
Ref. KE Emergency kit	130.00	130.00	130.00	130.00

<i>Rough price increase of accessories</i>		€
Ref. 3092 Transparent glass		3,00
Ref. 3093 Matt glass		3,10
Ref. IP65 Glass and joint IP65		22,00
Ref. WL Wieland connector		16,30

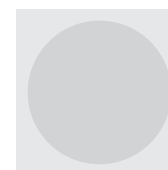
(*) About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

<i>Increase by lamp with respect to 26W</i>		1 lamp	2 lamps
Ref. LED 83 PL LED lamp 14,4w - 3.300°K *		52,00	104,00
Ref. LED 85 PL LED lamp 14,4w - 5.500°K *		52,00	104,00

(*) Made Osram Golden Dragon Plus LED.



Ref. **3092**
Transparent glass.



Ref. **3093**
Matt glass.

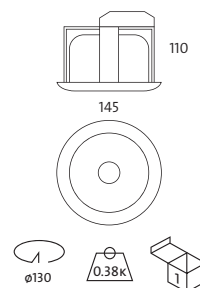
Example to write a reference with options

Ledión BC 18w Dimmable electronic ballast
 Ref. **3072 01 18 84 BR 3093**
 White 4200°K Matt glass

Miniducto PLT

Protection degree IP20 / IP43 / IP 54

- Material:** Aluminium ring and steel sheet body.
- Optics:** Aluminium reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CT 497) or matt glass (Ref. CM 497), for an IP43 protection.
- Supply:** Electronic equipments are included. Ballast carrier boxes or control gear for PLT lamps. Optionally supplied with electronic ballast or with domotics sensors systems. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PLT of 13, 18 and 26 watts and LED lamps 7,2w, suitable for domestic and commercial use.
- Accessories:** Optionally supplied with glass and gasket (Ref. IP54) for an IP54 protection.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 04 graphite, 33 gold matt, 55 nickel, 57 nickel matt.



Miniducto PLT

Includes control gear and PLT lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
1448 01 13 84	White	PLT	G24d-1	1x13w	47,38	0,25	0,20
1448 05 13 84	Chrome	PLT	G24d-1	1x13w	51,52	0,25	0,20
1448 52 13 84	Matt chrome	PLT	G24d-1	1x13w	51,52	0,25	0,20
1448 90 13 84	Titanium	PLT	G24d-1	1x13w	51,52	0,25	0,20
1449 01 18 84	White	PLT	G24d-2	1x18w	47,40	0,25	0,20
1449 05 18 84	Chrome	PLT	G24d-2	1x18w	51,54	0,25	0,20
1449 52 18 84	Matt chrome	PLT	G24d-2	1x18w	51,54	0,25	0,20
1449 90 18 84	Titanium	PLT	G24d-2	1x18w	51,54	0,25	0,20
1450 01 26 84	White	PLT	G24d-3	1x26w	48,45	0,25	0,20
1450 05 26 84	Chrome	PLT	G24d-3	1x26w	51,56	0,25	0,20
1450 52 26 84	Matt chrome	PLT	G24d-3	1x26w	51,56	0,25	0,20
1450 90 26 84	Titanium	PLT	G24d-3	1x26w	51,56	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Miniducto PLT

Includes electronic ballast and PLT lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
497 01 13 84	White	PLT	G24q-1	1x13w	54,59	0,25	0,20
497 05 13 84	Chrome	PLT	G24q-1	1x13w	57,88	0,25	0,20
497 52 13 84	Matt chrome	PLT	G24q-1	1x13w	57,88	0,25	0,20
497 90 13 84	Titanium	PLT	G24q-1	1x13w	57,88	0,25	0,20
497 01 18 84	White	PLT	G24q-2	1x18w	54,69	0,25	0,20
497 05 18 84	Chrome	PLT	G24q-2	1x18w	57,90	0,25	0,20
497 52 18 84	Matt chrome	PLT	G24q-2	1x18w	57,90	0,25	0,20
497 90 18 84	Titanium	PLT	G24q-2	1x18w	57,90	0,25	0,20
497 01 26 84	White	PLT	G24q-3	1x26w	57,78	0,25	0,20
497 05 26 84	Chrome	PLT	G24q-3	1x26w	60,99	0,25	0,20
497 52 26 84	Matt chrome	PLT	G24q-3	1x26w	60,99	0,25	0,20
497 90 26 84	Titanium	PLT	G24q-3	1x26w	60,99	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Miniducto PL LED 7,2W

Includes driver and 1 LED lamp 7,2W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
497 01 14	White	LED	G-24d-3	1x7,2w	98,20	0,50	0,20
497 02 14	Black	LED	G-24d-3	1x7,2w	99,86	0,50	0,20
497 52 14	Matt chrome	LED	G-24d-3	1x7,2w	99,86	0,50	0,20
497 90 14	Titanium	LED	G-24d-3	1x7,2w	99,86	0,50	0,20

* Supplied in a standard manner with 5400° K lamp

PL LED OPTIONS

IRC / Colour temperature

PL LED 7,2w

Ref. 83

3300K*

•

Ref. 85

5400°K

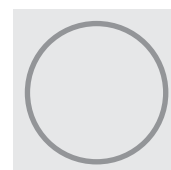
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(*) Made Osram Golden Dragon Plus LED.

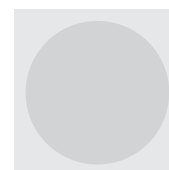
OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4200°K
PL-T 13W	•	•	•
PL-T 18W	•	•	•
PL-T 26W	•	•	•



Ref. **CT 497**
Transp. glass
serigraphy



Ref. **54 497**
Joint IP54
miniducto.



Ref. **CM 497**
Matt glass.

Rough price increase of control gear		1x13/18/26w €
Ref. AF	High factor	2.90
Ref. BR	Dimmable electronic ballast 1-10v	85.00
Ref. TD	Dimmable ballast Touch and Dim	85.00
Ref. CF	Lighting control system "master"	129.00
Ref. FP	Lighting sensor control system "master"	275.00
Ref. KE	Emergency kit	130.00

Rough price increase of accesories		€
Ref. CT497	Transparent protective glass with serigraphy	1,95
Ref. CM497	Matt protective glass	1,95
Ref. 54 497	Glass and joint IP54	11,00
Ref. WL	Wieland connector	16,30

Example to write a reference with options

Miniducto PL 18w Dimmable electronic ballast

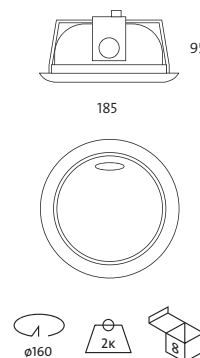
Ref. **497 01 18 84 BR CM497**

White 4200°K Matt glass

Ducto Medium

Protection degree IP20 / IP43

- Material:** Injected zamak thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CTDM) or matt glass (Ref. CMDM), for an IP43 protection.
- Supply:** Equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps. Optionally supplied with electronic ballast or with domotics sensors systems. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.



Ducto Medium 1 lamp

Includes control gear and PL-T lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
014 01 13 84	White	PL-T G24d-1	1x13w		44,41	0,25	0,20
014 03 13 84	Gold	PL-T G24d-1	1x13w		49,56	0,25	0,20
014 05 13 84	Chrome	PL-T G24d-1	1x13w		49,56	0,25	0,20
014 52 13 84	Matt chrome	PL-T G24d-1	1x13w		49,56	0,25	0,20
014 90 13 84	Titanium	PL-T G24d-1	1x13w		49,56	0,25	0,20
014 01 18 84	White	PL-T G24d-2	1x18w		44,42	0,25	0,20
014 03 18 84	Gold	PL-T G24d-2	1x18w		49,57	0,25	0,20
014 05 18 84	Chrome	PL-T G24d-2	1x18w		49,57	0,25	0,20
014 52 18 84	Matt chrome	PL-T G24d-2	1x18w		49,57	0,25	0,20
014 90 18 84	Titanium	PL-T G24d-2	1x18w		49,57	0,25	0,20
014 01 26 84	White	PL-T G24d-3	1x26w		44,43	0,25	0,20
014 03 26 84	Gold	PL-T G24d-3	1x26w		49,58	0,25	0,20
014 05 26 84	Chrome	PL-T G24d-3	1x26w		49,58	0,25	0,20
014 52 26 84	Matt chrome	PL-T G24d-3	1x26w		49,58	0,25	0,20
014 90 26 84	Titanium	PL-T G24d-3	1x26w		49,58	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Ducto Medium 2 lamps

Includes control gear and PL-T lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
015 01 13 84	White	PL-T G24d-1	2x13w		50,88	0,25	0,40
015 03 13 84	Gold	PL-T G24d-1	2x13w		57,06	0,25	0,40
015 05 13 84	Chrome	PL-T G24d-1	2x13w		57,06	0,25	0,40
015 52 13 84	Matt chrome	PL-T G24d-1	2x13w		57,06	0,25	0,40
015 90 13 84	Titanium	PL-T G24d-1	2x13w		57,06	0,25	0,40
015 01 18 84	White	PL-T G24d-2	2x18w		50,89	0,25	0,40
015 03 18 84	Gold	PL-T G24d-2	2x18w		57,07	0,25	0,40
015 05 18 84	Chrome	PL-T G24d-2	2x18w		57,07	0,25	0,40
015 52 18 84	Matt chrome	PL-T G24d-2	2x18w		57,07	0,25	0,40
015 90 18 84	Titanium	PL-T G24d-2	2x18w		57,07	0,25	0,40
015 01 26 84	White	PL-T G24d-3	2x26w		50,90	0,25	0,40
015 03 26 84	Gold	PL-T G24d-3	2x26w		57,08	0,25	0,40
015 05 26 84	Chrome	PL-T G24d-3	2x26w		57,08	0,25	0,40
015 52 26 84	Matt chrome	PL-T G24d-3	2x26w		57,08	0,25	0,40
015 90 26 84	Titanium	PL-T G24d-3	2x26w		57,08	0,25	0,40

* Supplied in a standard manner with 4200° K lamp



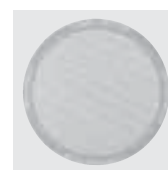
OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4200°K
PL-T 13W	•	•	•
PL-T 18W	•	•	•
PL-T 26W	•	•	•

Rough price increase of control gear		1x13/18/26w	2x13/18/26w
		€	€
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

Rough price increase of accesories		€
Ref. CTDM	Transparent glass with serigraphy	4,12
Ref. CMDM	Matt glass	4,22
Ref. IP54	Glass and joint IP54	11,00
Ref. WL	Wieland connector	16,30

Increase by lamp with respect to 26W		1 lamp	2 lamps
Ref. LED 83	PL LED lamp 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL LED lamp 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.

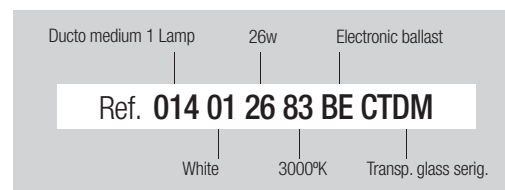


Ref. CTDM
Transp. glass serigraphy



Ref. CMDM
Matt glass.

Example to write a reference with options



Ducto PL

Protection degree IP20 / IP43

- Material:** Injected zamak thermo painted.
- Optics:** High brightness aluminium reflector. It can be supplied with completely transparent protective glass (Ref. CTT), transparent protective glass with serigraphy (Ref. CT), matt glass (Ref. CM) or polycarbonate protection (Ref. CTP) for an IP43 protection. Optionally supplied with glass and gasket for IP54.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Optionally supplied with electronic ballast or with domotics sensors systems. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium. By request: 04 graphite, 55 nickel, 57 nickel matt.

**Ducto - 1 lamp**

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
494 01 09 84	White	PL	G23	1x9w	32,49	0,50	0,20
494 02 09 84	Black	PL	G23	1x9w	38,81	0,50	0,20
494 03 09 84	Gold	PL	G23	1x9w	38,81	0,50	0,20
494 05 09 84	Chrome	PL	G23	1x9w	38,81	0,50	0,20
494 52 09 84	Matt chrome	PL	G23	1x9w	38,81	0,50	0,20
494 90 09 84	Titanium	PL	G23	1x9w	38,81	0,50	0,20
494 01 13 84	White	PL	G24d-1	1x13w	32,51	0,50	0,20
494 02 13 84	Black	PL	G24d-1	1x13w	38,83	0,50	0,20
494 03 13 84	Gold	PL	G24d-1	1x13w	38,83	0,50	0,20
494 05 13 84	Chrome	PL	G24d-1	1x13w	38,83	0,50	0,20
494 52 13 84	Matt chrome	PL	G24d-1	1x13w	38,83	0,50	0,20
494 90 13 84	Titanium	PL	G24d-1	1x13w	38,83	0,50	0,20
494 01 18 84	White	PL	G24d-2	1x18w	32,53	0,50	0,20
494 02 18 84	Black	PL	G24d-2	1x18w	38,85	0,50	0,20
494 03 18 84	Gold	PL	G24d-2	1x18w	38,85	0,50	0,20
494 05 18 84	Chrome	PL	G24d-2	1x18w	38,85	0,50	0,20
494 52 18 84	Matt chrome	PL	G24d-2	1x18w	38,85	0,50	0,20
494 90 18 84	Titanium	PL	G24d-2	1x18w	38,85	0,50	0,20
494 01 26 84	White	PL	G24d-3	1x26w	32,55	0,50	0,20
494 02 26 84	Black	PL	G24d-3	1x26w	38,87	0,50	0,20
494 03 26 84	Gold	PL	G24d-3	1x26w	38,87	0,50	0,20
494 05 26 84	Chrome	PL	G24d-3	1x26w	38,87	0,50	0,20
494 52 26 84	Matt chrome	PL	G24d-3	1x26w	38,87	0,50	0,20
494 90 26 84	Titanium	PL	G24d-3	1x26w	38,87	0,50	0,20

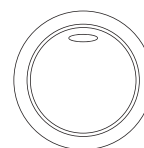
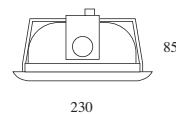
* Supplied in a standard manner with 4200° K lamp

Ducto - 2 lamps

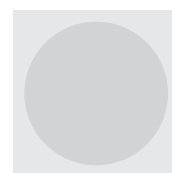
Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
495 01 09 84	White	PL	G23	2x9w	39,03	0,50	0,40
495 02 09 84	Black	PL	G23	2x9w	45,25	0,50	0,40
495 03 09 84	Gold	PL	G23	2x9w	45,25	0,50	0,40
495 05 09 84	Chrome	PL	G23	2x9w	45,25	0,50	0,40
495 52 09 84	Matt chrome	PL	G23	2x9w	45,25	0,50	0,40
495 90 09 84	Titanium	PL	G23	2x9w	45,25	0,50	0,40
495 01 13 84	White	PL	G24d-1	2x13w	39,05	0,50	0,40
495 02 13 84	Black	PL	G24d-1	2x13w	45,27	0,50	0,40
495 03 13 84	Gold	PL	G24d-1	2x13w	45,27	0,50	0,40
495 05 13 84	Chrome	PL	G24d-1	2x13w	45,27	0,50	0,40
495 52 13 84	Matt chrome	PL	G24d-1	2x13w	45,27	0,50	0,40
495 90 13 84	Titanium	PL	G24d-1	2x13w	45,27	0,50	0,40
495 01 18 84	White	PL	G24d-2	2x18w	39,07	0,50	0,40
495 02 18 84	Black	PL	G24d-2	2x18w	45,29	0,50	0,40
495 03 18 84	Gold	PL	G24d-2	2x18w	45,29	0,50	0,40
495 05 18 84	Chrome	PL	G24d-2	2x18w	45,29	0,50	0,40
495 52 18 84	Matt chrome	PL	G24d-2	2x18w	45,29	0,50	0,40
495 90 18 84	Titanium	PL	G24d-2	2x18w	45,29	0,50	0,40
495 01 26 84	White	PL	G24d-3	2x26w	39,09	0,50	0,40
495 02 26 84	Black	PL	G24d-3	2x26w	45,32	0,50	0,40
495 03 26 84	Gold	PL	G24d-3	2x26w	45,32	0,50	0,40
495 05 26 84	Chrome	PL	G24d-3	2x26w	45,32	0,50	0,40
495 52 26 84	Matt chrome	PL	G24d-3	2x26w	45,32	0,50	0,40
495 90 26 84	Titanium	PL	G24d-3	2x26w	45,32	0,50	0,40

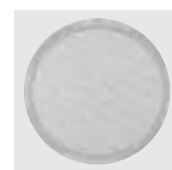
* Supplied in a standard manner with 4200° K lamp



Ref. **CTT**
Transparent glass.



Ref. **CM 494**
Matt glass.



Ref. **CT 494**
Transp. glass serigraphy



Ref. **CTP**
Polycarbonate protection.

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

Rough price increase of control gear		1x9/13/18/26w €	2x9/13/18/26w €
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

Rough price increase of accesories		€
Ref. CT 494	Transparent glass with serigraphy	4,36
Ref. CM 494	Matt glass	4,57
Ref. CTT	Transparent glass	4,36
Ref. CTP	Polycarbonate protection	11,90
Ref. 54	Glass and joint IP54	11,00
Ref. WL	Wieland connector	16,30

Increase by lamp with respect to 26W		1 lamp	2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.

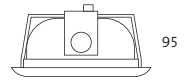
Example to write a reference with options

Ducto PL 2 Lamp	18w	Lighting control
Ref. 495 01 18 84 CF CTP		
White	4200°K	Protec. policarbonato

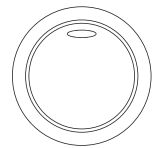
Supraducto

Protection degree IP20 / IP43

- Material:** Injected zamak thermo painted.
- Optics:** Faceted aluminium reflector. It can be supplied with completely transparent protective glass (Ref. CTT), transparent protective glass with serigraphy (Ref. CT 494), matt glass (Ref. CM 494), polycarbonate protection (Ref. CTP) for an IP43 protection or darklight accessory.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Electronic ballast for PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts, PLR-ECO 14 / 17 watts, PLT/E 32 / 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Options:** Available with E-27 lampholder
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 33 gold matt, 55 nickel, 57 niquel.



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Supraducto PL PLR PLT/E - 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
443 01 09 84	White	PL	G23	1x9w	40,04	0,50	0,20
443 05 09 84	Chrome	PL	G23	1x9w	46,02	0,50	0,20
443 52 09 84	Matt chrome	PL	G23	1x9w	46,02	0,50	0,20
443 90 09 84	Titanium	PL	G23	1x9w	46,02	0,50	0,20
443 01 13 84	White	PL	G24d-1	1x13w	40,06	0,50	0,20
443 05 13 84	Chrome	PL	G24d-1	1x13w	46,04	0,50	0,20
443 52 13 84	Matt chrome	PL	G24d-1	1x13w	46,04	0,50	0,20
443 90 13 84	Titanium	PL	G24d-1	1x13w	46,04	0,50	0,20
443 01 18 84	White	PL	G24d-2	1x18w	40,08	0,50	0,20
443 05 18 84	Chrome	PL	G24d-2	1x18w	46,06	0,50	0,20
443 52 18 84	Matt chrome	PL	G24d-2	1x18w	46,06	0,50	0,20
443 90 18 84	Titanium	PL	G24d-2	1x18w	46,06	0,50	0,20
443 01 26 84	White	PL	G24d-3	1x26w	40,10	0,50	0,20
443 05 26 84	Chrome	PL	G24d-3	1x26w	46,08	0,50	0,20
443 52 26 84	Matt chrome	PL	G24d-3	1x26w	46,08	0,50	0,20
443 90 26 84	Titanium	PL	G24d-3	1x26w	46,08	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
443 01 14 84	White	PLR	GR14q-1	1x14w	82,92	0,50	0,20
443 05 14 84	Chrome	PLR	GR14q-1	1x14w	88,96	0,50	0,20
443 52 14 84	Matt chrome	PLR	GR14q-1	1x14w	88,96	0,50	0,20
443 90 14 84	Titanium	PLR	GR14q-1	1x14w	88,96	0,50	0,20
443 01 17 84	White	PLR	GR14q-1	1x17w	82,94	0,50	0,20
443 05 17 84	Chrome	PLR	GR14q-1	1x17w	88,98	0,50	0,20
443 52 17 84	Matt chrome	PLR	GR14q-1	1x17w	88,98	0,50	0,20
443 90 17 84	Titanium	PLR	GR14q-1	1x17w	88,98	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
443 01 32 84	White	PLT/E	GX24Q-3	1x32w	84,07	0,50	0,20
443 05 32 84	Chrome	PLT/E	GX24Q-3	1x32w	90,09	0,50	0,20
443 52 32 84	Matt chrome	PLT/E	GX24Q-3	1x32w	90,09	0,50	0,20
443 90 32 84	Titanium	PLT/E	GX24Q-3	1x32w	90,09	0,50	0,20
443 01 42 84	White	PLT/E	GX24Q-4	1x42w	84,09	0,50	0,20
443 05 42 84	Chrome	PLT/E	GX24Q-4	1x42w	90,11	0,50	0,20
443 52 42 84	Matt chrome	PLT/E	GX24Q-4	1x42w	90,11	0,50	0,20
443 90 42 84	Titanium	PLT/E	GX24Q-4	1x42w	90,11	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Supraducto PL PLR PLT/E - 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
444 01 09 84	White	PL	G23	2x9w	46,16	0,50	0,40
444 05 09 84	Chrome	PL	G23	2x9w	52,46	0,50	0,40
444 52 09 84	Matt chrome	PL	G23	2x9w	52,46	0,50	0,40
444 90 09 84	Titanium	PL	G23	2x9w	52,46	0,50	0,40
444 01 13 84	White	PL	G24d-1	2x13w	46,18	0,50	0,40
444 05 13 84	Chrome	PL	G24d-1	2x13w	52,48	0,50	0,40
444 52 13 84	Matt chrome	PL	G24d-1	2x13w	52,48	0,50	0,40
444 90 13 84	Titanium	PL	G24d-1	2x13w	52,48	0,50	0,40
444 01 18 84	White	PL	G24d-2	2x18w	46,20	0,50	0,40
444 05 18 84	Chrome	PL	G24d-2	2x18w	52,50	0,50	0,40
444 52 18 84	Matt chrome	PL	G24d-2	2x18w	52,50	0,50	0,40
444 90 18 84	Titanium	PL	G24d-2	2x18w	52,50	0,50	0,40
444 01 26 84	White	PL	G24d-3	2x26w	46,22	0,50	0,40
444 05 26 84	Chrome	PL	G24d-3	2x26w	52,53	0,50	0,40
444 52 26 84	Matt chrome	PL	G24d-3	2x26w	52,53	0,50	0,40
444 90 26 84	Titanium	PL	G24d-3	2x26w	52,53	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
444 01 14 84	White	PLR	GR14q-1	2x14w	100,26	0,50	0,40
444 05 14 84	Chrome	PLR	GR14q-1	2x14w	107,18	0,50	0,40
444 52 14 84	Matt chrome	PLR	GR14q-1	2x14w	107,18	0,50	0,40
444 90 14 84	Titanium	PLR	GR14q-1	2x14w	107,18	0,50	0,40
444 01 17 84	White	PLR	GR14q-1	2x17w	100,28	0,50	0,40
444 05 17 84	Chrome	PLR	GR14q-1	2x17w	107,20	0,50	0,40
444 52 17 84	Matt chrome	PLR	GR14q-1	2x17w	107,20	0,50	0,40
444 90 17 84	Titanium	PLR	GR14q-1	2x17w	107,20	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
444 01 32 84	White	PLT/E	GX24Q-3	2x32w	102,56	0,50	0,40
444 05 32 84	Chrome	PLT/E	GX24Q-3	2x32w	109,48	0,50	0,40
444 52 32 84	Matt chrome	PLT/E	GX24Q-3	2x32w	109,48	0,50	0,40
444 90 32 84	Titanium	PLT/E	GX24Q-3	2x32w	109,48	0,50	0,40
444 01 42 84	White	PLT/E	GX24Q-4	2x42w	102,58	0,50	0,40
444 05 42 84	Chrome	PLT/E	GX24Q-4	2x42w	109,50	0,50	0,40
444 52 42 84	Matt chrome	PLT/E	GX24Q-4	2x42w	109,50	0,50	0,40
444 90 42 84	Titanium	PLT/E	GX24Q-4	2x42w	109,50	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Supraducto E-27 - 1 lamp

Includes lampholder para 1 lamp E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 443 01 27	White	-	E-27	-	26,65	0,50
443 05 27	Chrome	-	E-27	-	32,63	0,50
443 52 27	Matt chrome	-	E-27	-	32,63	0,50
443 90 27	Titanium	-	E-27	-	32,63	0,50

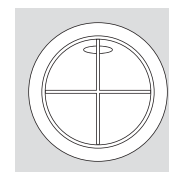
Supraducto E-27 - 2 lamps

Includes lampholder para 2 lamps E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 444 01 27	White	-	E-27	-	31,24	0,50
444 05 27	Chrome	-	E-27	-	37,22	0,50
444 52 27	Matt chrome	-	E-27	-	37,22	0,50
444 90 27	Titanium	-	E-27	-	37,22	0,50



Ref. CTT
Transparent glass.



Ref. 1008S
Darklight Supraducto



Ref. CM 494
Matt glass.



Ref. CT 494
Transp. glass serigraphy



Ref. CTP
Polycarbonate protection.

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

		1x9/13/18/26w	1x14/17/32/42w	2x9/13/18/26w	2x14/17/32/42w
		€	€	€	€
Rough price increase of control gear					
Ref. AF	High factor	2.90	-	2.90	-
Ref. BE	Electronic ballast	19.00	-	24.00	-
Ref. BR	Dimmable electronic ballast 1-10v	85.00	85.00	87.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	85.00	87.00	87.00
Ref. CF	Lighting control system "master"	129.00	129.00	136.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	275.00	283.00	283.00
Ref. KE	Emergency kit	130.00	130.00	130.00	130.00

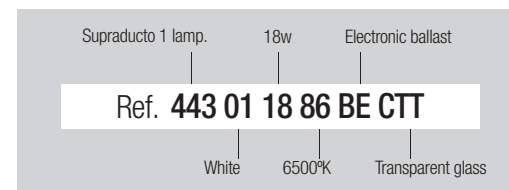
		€	
Ref. CT 494	Transparent glass with serigraphy	4,36	*
Ref. CM 494	Matt glass	4,57	*
Ref. CTT	Transparent glass	4,36	*
Ref. CTP	Polycarbonate protection	11,90	*
Ref. 1008S	Darklight Supraducto	18,90	*
Ref. WL	Wieland connector	16,30	

(*) About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

		1 lamp	2 lamps
Increase by lamp with respect to 26W			
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.

Example to write a reference with options



Efici

Protection degree IP20 / IP44

- Material:** Manufactured entirely in polycarbonate.
- Optics:** Polycarbonate reflector optimized with lighting output simulation software. It can be supplied with darklight accessory (Ref. 1008), transparent protective glass (Ref. CTF) or matt glass (Ref. CMF) for an IP43 protection.
- Supply:** Electronic ballast for 1 or 2 PL lamps, included. Optionally supplied with domotics sensors systems. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 26 watts, PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts and LED lamps 14,4w , suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black and matt chrome.



Efici - 1 lamp

Includes electronic ballast and PL lamp.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
404 01 13 84	White	PL	G24q-1	1x13w	77,76	0,50	0,20
404 02 13 84	Black	PL	G24q-1	1x13w	80,87	0,50	0,20
404 52 13 84	Matt chrome	PL	G24q-1	1x13w	80,87	0,50	0,20
404 01 18 84	White	PL	G24q-2	1x18w	77,77	0,50	0,20
404 02 18 84	Black	PL	G24q-2	1x18w	80,89	0,50	0,20
404 52 18 84	Matt chrome	PL	G24q-2	1x18w	80,89	0,50	0,20
404 01 26 84	White	PL	G24q-3	1x26w	77,78	0,50	0,20
404 02 26 84	Black	PL	G24q-3	1x26w	80,90	0,50	0,20
404 52 26 84	Matt chrome	PL	G24q-3	1x26w	80,90	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
404 01 14 84	White	PLR	GR14q-1	1x14w	82,79	0,50	0,20
404 02 14 84	Black	PLR	GR14q-1	1x14w	85,88	0,50	0,20
404 52 14 84	Matt chrome	PLR	GR14q-1	1x14w	85,88	0,50	0,20
404 01 17 84	White	PLR	GR14q-1	1x17w	82,80	0,50	0,20
404 02 17 84	Black	PLR	GR14q-1	1x17w	85,89	0,50	0,20
404 52 17 84	Matt chrome	PLR	GR14q-1	1x17w	85,89	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
404 01 32 84	White	PLT/E	GX24Q-3	1x32w	83,94	0,50	0,20
404 02 32 84	Black	PLT/E	GX24Q-3	1x32w	87,03	0,50	0,20
404 52 32 84	Matt chrome	PLT/E	GX24Q-3	1x32w	87,03	0,50	0,20
404 01 42 84	White	PLT/E	GX24Q-4	1x42w	83,95	0,50	0,20
404 02 42 84	Black	PLT/E	GX24Q-4	1x42w	87,04	0,50	0,20
404 52 42 84	Matt chrome	PLT/E	GX24Q-4	1x42w	87,04	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Efici PL LED - 1 lamp

Includes driver and 1 LED lamp 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
404 01 144	White	LED	G-24d-3	1x14,4w	129,70	0,50	0,20
404 02 144	Black	LED	G-24d-3	1x14,4w	132,90	0,50	0,20
404 52 144	Matt chrome	LED	G-24d-3	1x14,4w	132,90	0,50	0,20

* Supplied in a standard manner with 5400° K lamp

Efici - 2 lamps

Includes electronic ballast and PL lamps.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
405 01 13 84	White	PL	G24q-1	2x13w	88,42	0,50	0,40
405 02 13 84	Black	PL	G24q-1	2x13w	91,56	0,50	0,40
405 52 13 84	Matt chrome	PL	G24q-1	2x13w	91,56	0,50	0,40
405 01 18 84	White	PL	G24q-2	2x18w	88,43	0,50	0,40
405 02 18 84	Black	PL	G24q-2	2x18w	91,57	0,50	0,40
405 52 18 84	Matt chrome	PL	G24q-2	2x18w	91,57	0,50	0,40
405 01 26 84	White	PL	G24q-3	2x26w	88,44	0,50	0,40
405 02 26 84	Black	PL	G24q-3	2x26w	91,58	0,50	0,40
405 52 26 84	Matt chrome	PL	G24q-3	2x26w	91,58	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
405 01 14 84	White	PLR	GR14q-1	2x14w	92,96	0,50	0,40
405 02 14 84	Black	PLR	GR14q-1	2x14w	95,89	0,50	0,40
405 52 14 84	Matt chrome	PLR	GR14q-1	2x14w	95,89	0,50	0,40
405 01 17 84	White	PLR	GR14q-1	2x17w	92,97	0,50	0,40
405 02 17 84	Black	PLR	GR14q-1	2x17w	95,90	0,50	0,40
405 52 17 84	Matt chrome	PLR	GR14q-1	2x17w	95,90	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
405 01 32 84	White	PLT/E	GX24Q-3	2x32w	95,27	0,50	0,40
405 02 32 84	Black	PLT/E	GX24Q-3	2x32w	98,38	0,50	0,40
405 52 32 84	Matt chrome	PLT/E	GX24Q-3	2x32w	98,38	0,50	0,40
405 01 42 84	White	PLT/E	GX24Q-4	2x42w	95,28	0,50	0,40
405 02 42 84	Black	PLT/E	GX24Q-4	2x42w	98,39	0,50	0,40
405 52 42 84	Matt chrome	PLT/E	GX24Q-4	2x42w	98,39	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Efici PL LED - 2 lamps

Includes driver and 2 lamps LED 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
405 01 144	White	LED	G-24d-3	2x14,4w	192,60	0,50	0,40
405 02 144	Black	LED	G-24d-3	2x14,4w	195,58	0,50	0,40
405 52 144	Matt chrome	LED	G-24d-3	2x14,4w	195,58	0,50	0,40

* Supplied in a standard manner with 5400° K lamp



OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 13w	•	•	•	•
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

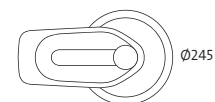
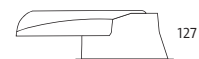
PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300°K	5400°K
PL LED 14,4w	•	•

(*) Made Osram Golden Dragon Plus LED.

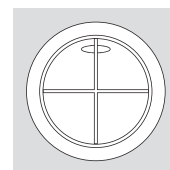
		1x13/14/17/18/26w		2x32/42w	
		€	€	€	€
Ref. BR	Dimmable electronic ballast 1-10v	85.00	85.00	87.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	85.00	87.00	87.00
Ref. CF	Lighting control system "master"	129.00	129.00	136.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	275.00	283.00	283.00
Ref. KE	Emergency kit	130.00	130.00	130.00	130.00

Rough price increase of accesories		€	
Ref. CTF	Transparent glass efici	4,45	*
Ref. CMF	Matt glass efici	4,64	*
Ref. CTP	Polycarbonate protection	11,90	*
Ref. 1008	Darklight efici	18,90	
Ref. WL	Wieland connector	16,30	

(*) About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.



Ref. **CMF**
Matt glass



Ref. **1008**
Darklight Efici



Ref. **CTF**
Transparent glass.

Example to write a reference with options

Efici 1 Lamp	42w	Lighting control
Ref. 404 52 42 84 CF CMF		
Matt chrome	4200°K	Matt glass

Compact PL

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** It can be supplied with transparent protective glass with serigraphy (Ref. CT), matt glass (Ref. CM), completely transparent protective glass (Ref. CTT) and polycarbonate protection (Ref. CTP) for an IP43 protection.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, matt chrome and titanium. By request: 02 black, 03 gold, 33 gold matt, 55 nickel, 57 niqel.



Compact PL 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
421 01 09 84	White	PL	G23	1x9w	32,18	0,50	0,20
421 05 09 84	Chrome	PL	G23	1x9w	38,19	0,50	0,20
421 52 09 84	Matt chrome	PL	G23	1x9w	38,19	0,50	0,20
421 90 09 84	Titanium	PL	G23	1x9w	38,19	0,50	0,20
422 01 13 84	White	PL	G24d-1	1x13w	32,19	0,50	0,20
422 05 13 84	Chrome	PL	G24d-1	1x13w	38,20	0,50	0,20
422 52 13 84	Matt chrome	PL	G24d-1	1x13w	38,20	0,50	0,20
422 90 13 84	Titanium	PL	G24d-1	1x13w	38,20	0,50	0,20
423 01 18 84	White	PL	G24d-2	1x18w	32,20	0,50	0,20
423 05 18 84	Chrome	PL	G24d-2	1x18w	38,21	0,50	0,20
423 52 18 84	Matt chrome	PL	G24d-2	1x18w	38,21	0,50	0,20
423 90 18 84	Titanium	PL	G24d-2	1x18w	38,21	0,50	0,20
424 01 26 84	White	PL	G24d-3	1x26w	32,20	0,50	0,20
424 05 26 84	Chrome	PL	G24d-3	1x26w	38,22	0,50	0,20
424 52 26 84	Matt chrome	PL	G24d-3	1x26w	38,22	0,50	0,20
424 90 26 84	Titanium	PL	G24d-3	1x26w	38,22	0,50	0,20

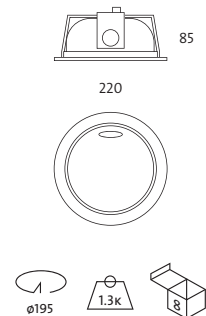
* Supplied in a standard manner with 4200° K lamp

Compact PL 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
425 01 09 84	White	PL	G23	2x9w	37,59	0,50	0,40
425 05 09 84	Chrome	PL	G23	2x9w	44,49	0,50	0,40
425 52 09 84	Matt chrome	PL	G23	2x9w	44,49	0,50	0,40
425 90 09 84	Titanium	PL	G23	2x9w	44,49	0,50	0,40
426 01 13 84	White	PL	G24d-1	2x13w	37,60	0,50	0,40
426 05 13 84	Chrome	PL	G24d-1	2x13w	44,50	0,50	0,40
426 52 13 84	Matt chrome	PL	G24d-1	2x13w	44,50	0,50	0,40
426 90 13 84	Titanium	PL	G24d-1	2x13w	44,50	0,50	0,40
427 01 18 84	White	PL	G24d-2	2x18w	37,61	0,50	0,40
427 05 18 84	Chrome	PL	G24d-2	2x18w	44,51	0,50	0,40
427 52 18 84	Matt chrome	PL	G24d-2	2x18w	44,51	0,50	0,40
427 90 18 84	Titanium	PL	G24d-2	2x18w	44,51	0,50	0,40
428 01 26 84	White	PL	G24d-3	2x26w	37,62	0,50	0,40
428 05 26 84	Chrome	PL	G24d-3	2x26w	44,52	0,50	0,40
428 52 26 84	Matt chrome	PL	G24d-3	2x26w	44,52	0,50	0,40
428 90 26 84	Titanium	PL	G24d-3	2x26w	44,52	0,50	0,40

* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

Rough price increase of control gear		1x9/13/18/26w €	2x9/13/18/26w €
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

Rough price increase of accessories		€
Ref. CS240M	Matt surface glass	25,60
Ref. CS240TM	Matt/Transparent surface glass	25,60
Ref. CS240MT	Matt/Transparent surface glass	25,60
Ref. CT	Transparent glass with serigraphy	4,36
Ref. CM	Matt glass	4,57
Ref. CTT	Transparent glass	4,36
Ref. CTP	Polycarbonate protection	11,90
Ref. 54	Glass and joint IP54	11,00
Ref. WL	Wieland connector	16,30

Increase by lamp with respect to 26W		1 lamp	2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.



Ref. CS 240 M
Matt surface glass .



Ref. CS 240 TM
Matt/Transparent surface glass



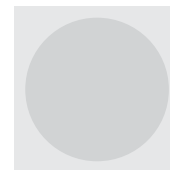
Ref. CS 240 MT
Matt/Transparent surface glass



Ref. CTT
Transparent glass.



Ref. CT
Transp. glass serigraphy

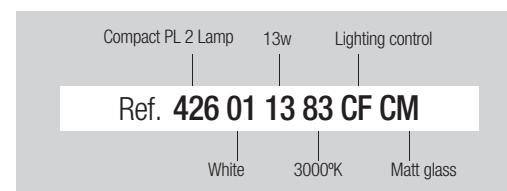


Ref. CM
Matt glass.



Ref. CTP
Polycarbonate protection.

Example to write a reference with options



Supracompact

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Faceted aluminium reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CT), matt glass (Ref. CM), completely transparent protective glass (Ref. CTT) and polycarbonate protection (Ref. CTP) for an IP43 protection.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, gold, matt chrome and titanium. By request: 02 black, 03 gold, 33 gold matt, 55 nickel, 57 níquel.

**Supracompact 1 lamp**

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
410 01 18 84	White	PL	G24d-2	1x18w	39,24	0,50	0,20
410 05 18 84	Chrome	PL	G24d-2	1x18w	45,75	0,50	0,20
410 52 18 84	Matt chrome	PL	G24d-2	1x18w	45,75	0,50	0,20
410 90 18 84	Titanium	PL	G24d-2	1x18w	45,75	0,50	0,20
410 01 26 84	White	PL	G24d-3	1x26w	39,26	0,50	0,20
410 05 26 84	Chrome	PL	G24d-3	1x26w	45,77	0,50	0,20
410 52 26 84	Matt chrome	PL	G24d-3	1x26w	45,77	0,50	0,20
410 90 26 84	Titanium	PL	G24d-3	1x26w	45,77	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Supracompact 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
411 01 18 84	White	PL	G24d-2	2x18w	43,69	0,50	0,40
411 05 18 84	Chrome	PL	G24d-2	2x18w	47,09	0,50	0,40
411 52 18 84	Matt chrome	PL	G24d-2	2x18w	47,09	0,50	0,40
411 90 18 84	Titanium	PL	G24d-2	2x18w	47,09	0,50	0,40
411 01 26 84	White	PL	G24d-3	2x26w	43,70	0,50	0,40
411 05 26 84	Chrome	PL	G24d-3	2x26w	47,10	0,50	0,40
411 52 26 84	Matt chrome	PL	G24d-3	2x26w	47,10	0,50	0,40
411 90 26 84	Titanium	PL	G24d-3	2x26w	47,10	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
410 01 14 84	White	PLR	GR14q-1	1x14w	79,36	0,50	0,20
410 05 14 84	Chrome	PLR	GR14q-1	1x14w	82,19	0,50	0,20
410 52 14 84	Matt chrome	PLR	GR14q-1	1x14w	82,19	0,50	0,20
410 90 14 84	Titanium	PLR	GR14q-1	1x14w	82,19	0,50	0,20
410 01 17 84	White	PLR	GR14q-1	1x17w	79,46	0,50	0,20
410 05 17 84	Chrome	PLR	GR14q-1	1x17w	82,29	0,50	0,20
410 52 17 84	Matt chrome	PLR	GR14q-1	1x17w	82,29	0,50	0,20
410 90 17 84	Titanium	PLR	GR14q-1	1x17w	82,29	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
411 01 14 84	White	PLR	GR14q-1	2x14w	98,26	0,50	0,40
411 05 14 84	Chrome	PLR	GR14q-1	2x14w	102,07	0,50	0,40
411 52 14 84	Matt chrome	PLR	GR14q-1	2x14w	102,07	0,50	0,40
411 90 14 84	Titanium	PLR	GR14q-1	2x14w	102,07	0,50	0,40
411 01 17 84	White	PLR	GR14q-1	2x17w	98,36	0,50	0,40
411 05 17 84	Chrome	PLR	GR14q-1	2x17w	102,17	0,50	0,40
411 52 17 84	Matt chrome	PLR	GR14q-1	2x17w	102,17	0,50	0,40
411 90 17 84	Titanium	PLR	GR14q-1	2x17w	102,17	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

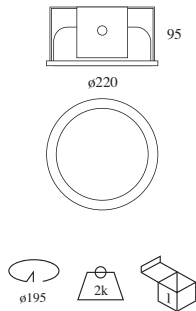
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
410 01 32 84	White	PLT/E	GX24Q-3	1x32w	80,44	0,50	0,20
410 05 32 84	Chrome	PLT/E	GX24Q-3	1x32w	83,29	0,50	0,20
410 52 32 84	Matt chrome	PLT/E	GX24Q-3	1x32w	83,29	0,50	0,20
410 90 32 84	Titanium	PLT/E	GX24Q-3	1x32w	83,29	0,50	0,20
410 01 42 84	White	PLT/E	GX24Q-4	1x42w	80,46	0,50	0,20
410 05 42 84	Chrome	PLT/E	GX24Q-4	1x42w	83,30	0,50	0,20
410 52 42 84	Matt chrome	PLT/E	GX24Q-4	1x42w	83,30	0,50	0,20
410 90 42 84	Titanium	PLT/E	GX24Q-4	1x42w	83,30	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
411 01 32 84	White	PLT/E	GX24Q-3	2x32w	99,45	0,50	0,40
411 05 32 84	Chrome	PLT/E	GX24Q-3	2x32w	103,20	0,50	0,40
411 52 32 84	Matt chrome	PLT/E	GX24Q-3	2x32w	103,20	0,50	0,40
411 90 32 84	Titanium	PLT/E	GX24Q-3	2x32w	103,20	0,50	0,40
411 01 42 84	White	PLT/E	GX24Q-4	2x42w	99,46	0,50	0,40
411 05 42 84	Chrome	PLT/E	GX24Q-4	2x42w	103,21	0,50	0,40
411 52 42 84	Matt chrome	PLT/E	GX24Q-4	2x42w	103,21	0,50	0,40
411 90 42 84	Titanium	PLT/E	GX24Q-4	2x42w	103,21	0,50	0,40

* Supplied in a standard manner with 4200° K lamp



Ref. **CS 240 M**
Matt surface glass .



Ref. **CS 240 TM**
Drop glass matt in the middle



Ref. **CS 240 MT**
Drop glass matt in the edge

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

		1x9/13/18/26w	2x9/13/18/26w
		€	€
<i>Rough price increase of control gear</i>			
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00
Ref. 3067	LED 3w (lampholder G24d3)	35.00	70.00

		€
<i>Rough price increase of accesories</i>		
Ref. CT	Transparent glass with serigraphy	4,36
Ref. CM	Matt glass	4,57
Ref. CTT	Transparent glass	4,36
Ref. CTP	Polycarbonate protection	11,90

Ref. WL	Wieland connector	16,30
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About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

		1 lamp	2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	52,00	104,00

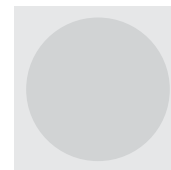
(*) Made Osram Golden Dragon Plus LED.



Ref. **CTT**
Transparent glass.



Ref. **CT**
Transp. glass serigraphy



Ref. **CM**
Matt glass.



Ref. **CTP**
Polycarbonate protection.

Example to write a reference with options

Supracompact 1 Lamp	32w	Bal. elect. regulable
Ref. 410 01 32 84 BR		
	White	4200°K

Crotek

Protection degree IP20 / IP43

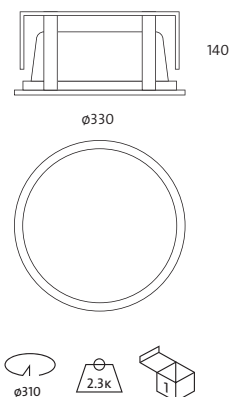
- Material:** Steel sheet thermo painted.
- Optics:** Aluminum faceted reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CT 013) or matt glass (Ref. CM 013) for an IP43 protection.
- Supply:** Electronic ballasts adapted to the type of lamp and to the power needed are included in all the models. Electronic ballast for PLT/E of 32, 42 and 57 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses 2 low consumption lamps PLT/E of 32, 42 and 57 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings
- Colours:** White, black, matt chrome and titanium. By request: 03 gold, 55 nickel, 57 nickel matt.



Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
013 01 32 84	White	PLT/E GX24Q-3	2x32w		117,95	0,50 0,40
013 02 32 84	Black	PLT/E GX24Q-3	2x32w		123,80	0,50 0,40
013 52 32 84	Matt chrome	PLT/E GX24Q-3	2x32w		123,80	0,50 0,40
013 90 32 84	Titanium	PLT/E GX24Q-3	2x32w		123,80	0,50 0,40
013 01 42 84	White	PLT/E GX24Q-4	2x42w		117,97	0,50 0,40
013 02 42 84	Black	PLT/E GX24Q-4	2x42w		123,82	0,50 0,40
013 52 42 84	Matt chrome	PLT/E GX24Q-4	2x42w		123,82	0,50 0,40
013 90 42 84	Titanium	PLT/E GX24Q-4	2x42w		123,82	0,50 0,40
013 01 57 84	White	PLT/E GX24Q-5	2x57w		155,34	0,50 0,40
013 02 57 84	Black	PLT/E GX24Q-5	2x57w		162,34	0,50 0,40
013 52 57 84	Matt chrome	PLT/E GX24Q-5	2x57w		162,34	0,50 0,40
013 90 57 84	Titanium	PLT/E GX24Q-5	2x57w		162,34	0,50 0,40

* Supplied in a standard manner with 4200° K lamp



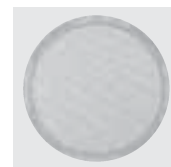
OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PLT/E 32	•	•	•	•
PLT/E 42	•	•	•	•
PLT/E 57	•	•	•	•

Rough price increase of electronic ballast		32/42W
		€
Ref. BR	Dimmable electronic ballast 1-10v	87,00
Ref. TD	Dimmable ballast Touch and Dim	87,00
Ref. CF	Lighting control system "master"	136,00
Ref. FP	Lighting sensor control system "master"	283,00
Ref. KE	Emergency kit	130,00

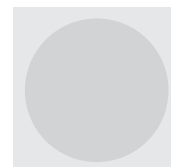
Rough price increase of accesories		€
Ref. CT 013	Transparent glass crotek	9,72
Ref. CM 013	Matt glass crotek	9,82
Ref. WL	Wieland connector	16,30

Rough price increase of accesorio		2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	104,00

(*) Made Osram Golden Dragon Plus LED.

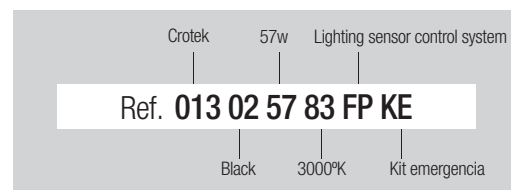


Ref. CT 013
Transp. glass serigraphy



Ref. CM 013
Matt glass.

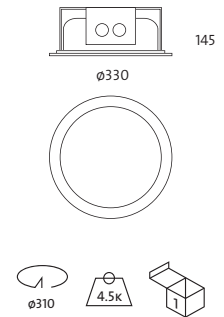
Example to write a reference with options



Downlight 3 PL / Downlight 4 PL

Protection degree IP43

- Material:** Steel sheet thermo painted.
- Optics:** High-brightness and purity, aluminum reflector. It includes protective glass for all the models.
- Supply:** Control gear box for PL of 18 and 26 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table).
- Lamps:** It uses low consumption lamps PL of 18 and 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Options:** Available with electronic ballast.
- Colours:** White, black and metallic nickel and titanium. By request: 55 nickel, 57 nickel matt.



Downlight 3 lamps

Includes protection glass, control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
441 01 18 84	White	PL G24d-2	3x18w		144,87	0,50	0,60
441 02 18 84	Black	PL G24d-2	3x18w		149,37	0,50	0,60
441 56 18 84	Metal nickel	PL G24d-2	3x18w		149,37	0,50	0,60
441 90 18 84	Titanium	PL G24d-2	3x18w		149,37	0,50	0,60
442 01 26 84	White	PL G24d-3	3x26w		144,98	0,50	0,60
442 02 26 84	Black	PL G24d-3	3x26w		149,38	0,50	0,60
442 56 26 84	Metal nickel	PL G24d-3	3x26w		149,38	0,50	0,60
442 90 26 84	Titanium	PL G24d-3	3x26w		149,38	0,50	0,60

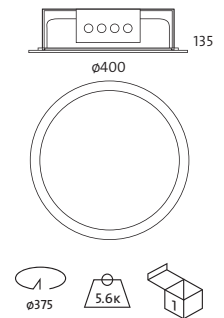
* Supplied in a standard manner with 4200° K lamp

Downlight 4 lamps

Includes protection glass, control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
445 01 18 84	White	PL G24d-2	4x18w		194,27	0,50	0,80
445 02 18 84	Black	PL G24d-2	4x18w		196,23	0,50	0,80
445 56 18 84	Metal nickel	PL G24d-2	4x18w		196,23	0,50	0,80
445 90 18 84	Titanium	PL G24d-2	4x18w		196,23	0,50	0,80
446 01 26 84	White	PL G24d-3	4x26w		194,28	0,50	0,80
446 02 26 84	Black	PL G24d-3	4x26w		196,24	0,50	0,80
446 56 26 84	Metal nickel	PL G24d-3	4x26w		196,24	0,50	0,80
446 90 26 84	Titanium	PL G24d-3	4x26w		196,24	0,50	0,80

* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 18w	•	•	•	•
PL 26w	•	•	•	•

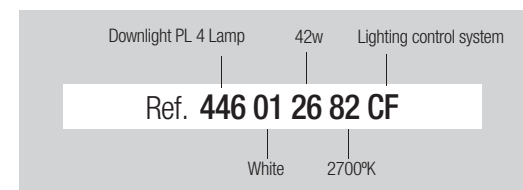
Rough price increase of control gear		3x18/26	4x18/26
		€	€
Ref. AF	High factor	3,70	5,80
Ref. BE	Electronic ballast	43,00	48,00
Ref. BR	Dimmable electronic ballast 1-10v	172,00	172,00
Ref. TD	Dimmable ballast Touch and Dim	172,00	172,00
Ref. CF	Lighting control system "master"	265,00	272,00
Ref. FP	Lighting sensor control system "master"	558,00	560,00
Ref. KE	Emergency kit	130,00	130,00
Ref. 3067	LED 3w (lampholder G24d3)	35,00	70,00

Rough price increase of accessories		€
Ref. WL	Wieland connector	16,30

Increase by lamp with respect to 26W		3 lamp	4 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	156,00	208,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	156,00	208,00

(*) Made Osram Golden Dragon Plus LED.

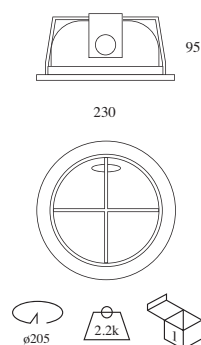
Example to write a reference with options



Darklight 1-2-3-4 lamps

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** High-brightness and purity, aluminum reflector. It includes high brightness diffuser, it guarantees a perfect light screen and a great visual comfort.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Control gear box for PL from 9 up to 26 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Options:** Available with electronic ballast.
- Colours:** Darklight 1-2 lamps: White, gold, chrome, matt chrome and titanium.
Darklight 3-4 lamps: White, black and metallic nickel .
By request: 55 nickel, 57 nickel matt.



Darklight 1 lamp

Includes darklight, control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
471 01 09 84	White	PL G23	1x9w	76,26	0,50	0,20	
471 03 09 84	Gold	PL G23	1x9w	86,72	0,50	0,20	
471 05 09 84	Chrome	PL G23	1x9w	86,72	0,50	0,20	
471 52 09 84	Matt chrome	PL G23	1x9w	86,72	0,50	0,20	
471 90 09 84	Titanium	PL G23	1x9w	86,72	0,50	0,20	
472 01 13 84	White	PL G24d-1	1x13w	76,27	0,50	0,20	
472 03 13 84	Gold	PL G24d-1	1x13w	86,73	0,50	0,20	
472 05 13 84	Chrome	PL G24d-1	1x13w	86,73	0,50	0,20	
472 52 13 84	Matt chrome	PL G24d-1	1x13w	86,73	0,50	0,20	
472 90 13 84	Titanium	PL G24d-1	1x13w	86,73	0,50	0,20	
473 01 18 84	White	PL G24d-2	1x18w	76,28	0,50	0,20	
473 03 18 84	Gold	PL G24d-2	1x18w	86,74	0,50	0,20	
473 05 18 84	Chrome	PL G24d-2	1x18w	86,74	0,50	0,20	
473 52 18 84	Matt chrome	PL G24d-2	1x18w	86,74	0,50	0,20	
473 90 18 84	Titanium	PL G24d-2	1x18w	86,74	0,50	0,20	
474 01 26 84	White	PL G24d-3	1x26w	76,29	0,50	0,20	
474 03 26 84	Gold	PL G24d-3	1x26w	86,75	0,50	0,20	
474 05 26 84	Chrome	PL G24d-3	1x26w	86,75	0,50	0,20	
474 52 26 84	Matt chrome	PL G24d-3	1x26w	86,75	0,50	0,20	
474 90 26 84	Titanium	PL G24d-3	1x26w	86,75	0,50	0,20	

* Supplied in a standard manner with 4200° K lamp

Darklight PL LED - 1 lamp

Includes driver and 1 LED lamp 14,4W

LED Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
474 01 14	White	LED G-24d-3	1x14,4w	128,26	0,50	0,20	
474 03 14	Gold	LED G-24d-3	1x14,4w	138,75	0,50	0,20	
474 05 14	Chrome	LED G-24d-3	1x14,4w	138,75	0,50	0,20	
474 52 14	Matt chrome	LED G-24d-3	1x14,4w	138,75	0,50	0,20	
474 90 14	Titanium	LED G-24d-3	1x14,4w	138,75	0,50	0,20	

* Supplied in a standard manner with 5400° K lamp

Darklight 2 lamps

Includes darklight, control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
475 01 09 84	White	PL G23	2x9w	90,00	0,50	0,40	
475 03 09 84	Gold	PL G23	2x9w	99,62	0,50	0,40	
475 05 09 84	Chrome	PL G23	2x9w	99,62	0,50	0,40	
475 52 09 84	Matt chrome	PL G23	2x9w	99,62	0,50	0,40	
475 90 09 84	Titanium	PL G23	2x9w	99,62	0,50	0,40	
476 01 13 84	White	PL G24d-1	2x13w	90,01	0,50	0,40	
476 03 13 84	Gold	PL G24d-1	2x13w	99,63	0,50	0,40	
476 05 13 84	Chrome	PL G24d-1	2x13w	99,63	0,50	0,40	
476 52 13 84	Matt chrome	PL G24d-1	2x13w	99,63	0,50	0,40	
476 90 13 84	Titanium	PL G24d-1	2x13w	99,63	0,50	0,40	
477 01 18 84	White	PL G24d-2	2x18w	90,02	0,50	0,40	
477 03 18 84	Gold	PL G24d-2	2x18w	99,64	0,50	0,40	
477 05 18 84	Chrome	PL G24d-2	2x18w	99,64	0,50	0,40	
477 52 18 84	Matt chrome	PL G24d-2	2x18w	99,64	0,50	0,40	
477 90 18 84	Titanium	PL G24d-2	2x18w	99,64	0,50	0,40	
478 01 26 84	White	PL G24d-3	2x26w	90,03	0,50	0,40	
478 03 26 84	Gold	PL G24d-3	2x26w	99,65	0,50	0,40	
478 05 26 84	Chrome	PL G24d-3	2x26w	99,65	0,50	0,40	
478 52 26 84	Matt chrome	PL G24d-3	2x26w	99,65	0,50	0,40	
478 90 26 84	Titanium	PL G24d-3	2x26w	99,65	0,50	0,40	

* Supplied in a standard manner with 4200° K lamp

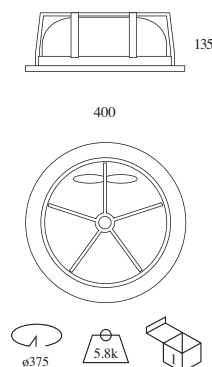
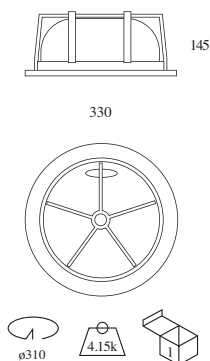
Darklight PL LED - 2 lamps

Includes driver and 2 lamps LED 14,4W

LED Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
478 01 14	White	LED G-24d-3	2x14,4w	194,03	0,50	0,40	
478 03 14	Gold	LED G-24d-3	2x14,4w	203,65	0,50	0,40	
478 05 14	Chrome	LED G-24d-3	2x14,4w	203,65	0,50	0,40	
478 52 14	Matt chrome	LED G-24d-3	2x14,4w	203,65	0,50	0,40	
478 90 14	Titanium	LED G-24d-3	2x14,4w	203,65	0,50	0,40	

* Supplied in a standard manner with 5400° K lamp

Darklight



Darklight 3 lamps

Includes darklight, control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
479 01 13 84	White	PL G24d-1	3x13w		164,36	0,50	0,60
479 02 13 84	Black	PL G24d-1	3x13w		168,85	0,50	0,60
479 56 13 84	Metal nickel	PL G24d-1	3x13w		168,85	0,50	0,60
480 01 18 84	White	PL G24d-2	3x18w		164,37	0,50	0,60
480 02 18 84	Black	PL G24d-2	3x18w		168,86	0,50	0,60
480 56 18 84	Metal nickel	PL G24d-2	3x18w		168,86	0,50	0,60
481 01 26 84	White	PL G24d-3	3x26w		164,38	0,50	0,60
481 02 26 84	Black	PL G24d-3	3x26w		168,87	0,50	0,60
481 56 26 84	Metal nickel	PL G24d-3	3x26w		168,87	0,50	0,60

* Supplied in a standard manner with 4200° K lamp

Darklight 4 lamps

Includes darklight, control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
482 01 13 84	White	PL G24d-1	4x13w		213,78	0,50	0,80
482 02 13 84	Black	PL G24d-1	4x13w		215,74	0,50	0,80
482 56 13 84	Metal nickel	PL G24d-1	4x13w		215,74	0,50	0,80
483 01 18 84	White	PL G24d-2	4x18w		213,79	0,50	0,80
483 02 18 84	Black	PL G24d-2	4x18w		215,75	0,50	0,80
483 56 18 84	Metal nickel	PL G24d-2	4x18w		215,75	0,50	0,80
484 01 26 84	White	PL G24d-3	4x26w		213,80	0,50	0,80
484 02 26 84	Black	PL G24d-3	4x26w		215,76	0,50	0,80
484 56 26 84	Metal nickel	PL G24d-3	4x26w		215,76	0,50	0,80

* Supplied in a standard manner with 4200° K lamp

Darklight PL LED - 3 lamps

Includes darklight, driver and 1 LED lamp 14,4w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
481 01 14	White	LED G-24d-3	3x14,4w		320,38	0,50	0,60
481 02 14	Black	LED G-24d-3	3x14,4w		324,80	0,50	0,60
481 56 14	Niquel	LED G-24d-3	3x14,4w		324,80	0,50	0,60

* Supplied in a standard manner with 5400° K lamp

Darklight PL LED - 4 lamps

Includes darklight, driver and 1 LED lamp 14,4w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
484 01 14	White	LED G-24d-3	4x14,4w		421,80	0,50	0,80
484 02 14	Black	LED G-24d-3	4x14,4w		423,80	0,50	0,80
484 56 14	Niquel	LED G-24d-3	4x14,4w		423,80	0,50	0,80

* Supplied in a standard manner with 5400° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

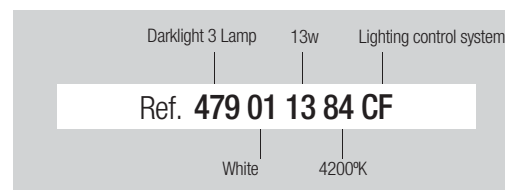
PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300K°	5400°K
PL LED 14,4w	•	•

(*) Made Osram Golden Dragon Plus LED.

		1x9/13/18/26w	2x9/13/18/26w	3x13/18/26w	4x13/18/26w
Rough price increase of control gear		€	€	€	€
Ref. AF	High factor	2,90	2,90	3,70	5,80
Ref. BE	Electronic ballast	19,00	24,00	43,00	48,00
Ref. BR	Dimmable electronic ballast 1-10v	85,00	85,00	172,00	174,00
Ref. TD	Dimmable ballast Touch and Dim	85,00	85,00	172,00	174,00
Ref. CF	Lighting control system "master"	129,00	129,00	265,00	272,00
Ref. FP	Lighting sensor control system "master"	275,00	275,00	558,00	560,00
Ref. KE	Emergency kit	130,00	130,00	130,00	130,00

Rough price increase of accessories		€
Ref. WL	Wieland connector	16,30

Example to write a reference with options



Dendo


Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Aluminum faceted reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CT 494), matt glass (Ref. CM 494) or matt surface glass (Ref. CMD 494) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Electronic ballast for PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts, PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. It has the advantage of being installed on a round ceiling cut.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 55 nickel, 57 nickel matt.




Dendo 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
						lum.	lamp
 455 01 09 84	White	PL	G23	1x9w	36,50	0,50	0,20
455 05 09 84	Chrome	PL	G23	1x9w	47,66	0,50	0,20
455 52 09 84	Matt chrome	PL	G23	1x9w	47,66	0,50	0,20
455 90 09 84	Titanium	PL	G23	1x9w	47,66	0,50	0,20
455 01 13 84	White	PL	G24d-1	1x13w	36,51	0,50	0,20
455 05 13 84	Chrome	PL	G24d-1	1x13w	47,64	0,50	0,20
455 52 13 84	Matt chrome	PL	G24d-1	1x13w	47,64	0,50	0,20
455 90 13 84	Titanium	PL	G24d-1	1x13w	47,64	0,50	0,20
455 01 18 84	White	PL	G24d-2	1x18w	36,52	0,50	0,20
455 05 18 84	Chrome	PL	G24d-2	1x18w	47,68	0,50	0,20
455 52 18 84	Matt chrome	PL	G24d-2	1x18w	47,68	0,50	0,20
455 90 18 84	Titanium	PL	G24d-2	1x18w	47,68	0,50	0,20
455 01 26 84	White	PL	G24d-3	1x26w	36,52	0,50	0,20
455 05 26 84	Chrome	PL	G24d-3	1x26w	47,69	0,50	0,20
455 52 26 84	Matt chrome	PL	G24d-3	1x26w	47,69	0,50	0,20
455 90 26 84	Titanium	PL	G24d-3	1x26w	47,69	0,50	0,20


* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
						lum.	lamp
 455 01 14 84	White	PLR	GR14q-1	1x14w	82,40	0,50	0,20
455 05 14 84	Chrome	PLR	GR14q-1	1x14w	95,66	0,50	0,20
455 52 14 84	Matt chrome	PLR	GR14q-1	1x14w	95,66	0,50	0,20
455 90 14 84	Titanium	PLR	GR14q-1	1x14w	95,66	0,50	0,20
455 01 17 84	White	PLR	GR14q-1	1x17w	82,41	0,50	0,20
455 05 17 84	Chrome	PLR	GR14q-1	1x17w	95,67	0,50	0,20
455 52 17 84	Matt chrome	PLR	GR14q-1	1x17w	95,67	0,50	0,20
455 90 17 84	Titanium	PLR	GR14q-1	1x17w	95,67	0,50	0,20

* Supplied in a standard manner with 4200° K lamp


Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
						lum.	lamp
 455 01 32 84	White	PLT/E	GX24Q-3	1x32w	83,63	0,50	0,20
455 05 32 84	Chrome	PLT/E	GX24Q-3	1x32w	96,90	0,50	0,20
455 52 32 84	Matt chrome	PLT/E	GX24Q-3	1x32w	96,90	0,50	0,20
455 90 32 84	Titanium	PLT/E	GX24Q-3	1x32w	96,90	0,50	0,20
455 01 42 84	White	PLT/E	GX24Q-4	1x42w	93,94	0,50	0,20
455 05 42 84	Chrome	PLT/E	GX24Q-4	1x42w	96,91	0,50	0,20
455 52 42 84	Matt chrome	PLT/E	GX24Q-4	1x42w	96,91	0,50	0,20
455 90 42 84	Titanium	PLT/E	GX24Q-4	1x42w	96,91	0,50	0,20

* Supplied in a standard manner with 4200° K lamp


Dendo 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
						lum.	lamp
 456 01 09 84	White	PL	G23	2x9w	41,54	0,50	0,40
456 05 09 84	Chrome	PL	G23	2x9w	51,92	0,50	0,40
456 52 09 84	Matt chrome	PL	G23	2x9w	51,92	0,50	0,40
456 90 09 84	Titanium	PL	G23	2x9w	51,92	0,50	0,40
456 01 13 84	White	PL	G24d-1	2x13w	41,55	0,50	0,40
456 05 13 84	Chrome	PL	G24d-1	2x13w	51,93	0,50	0,40
456 52 13 84	Matt chrome	PL	G24d-1	2x13w	51,93	0,50	0,40
456 90 13 84	Titanium	PL	G24d-1	2x13w	51,93	0,50	0,40
456 01 18 84	White	PL	G24d-2	2x18w	41,56	0,50	0,40
456 05 18 84	Chrome	PL	G24d-2	2x18w	51,94	0,50	0,40
456 52 18 84	Matt chrome	PL	G24d-2	2x18w	51,94	0,50	0,40
456 90 18 84	Titanium	PL	G24d-2	2x18w	51,94	0,50	0,40
456 01 26 84	White	PL	G24d-3	2x26w	41,57	0,50	0,40
456 05 26 84	Chrome	PL	G24d-3	2x26w	51,95	0,50	0,40
456 52 26 84	Matt chrome	PL	G24d-3	2x26w	51,95	0,50	0,40
456 90 26 84	Titanium	PL	G24d-3	2x26w	51,95	0,50	0,40


* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
						lum.	lamp
 456 01 14 84	White	PLR	GR14q-1	2x14w	100,44	0,50	0,40
456 05 14 84	Chrome	PLR	GR14q-1	2x14w	114,20	0,50	0,40
456 52 14 84	Matt chrome	PLR	GR14q-1	2x14w	114,20	0,50	0,40
456 90 14 84	Titanium	PLR	GR14q-1	2x14w	114,20	0,50	0,40
456 01 17 84	White	PLR	GR14q-1	2x17w	100,45	0,50	0,40
456 05 17 84	Chrome	PLR	GR14q-1	2x17w	114,21	0,50	0,40
456 52 17 84	Matt chrome	PLR	GR14q-1	2x17w	114,21	0,50	0,40
456 90 17 84	Titanium	PLR	GR14q-1	2x17w	114,21	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
						lum.	lamp
 456 01 32 84	White	PLT/E	GX24Q-3	2x32w	102,75	0,50	0,40
456 05 32 84	Chrome	PLT/E	GX24Q-3	2x32w	116,51	0,50	0,40
456 52 32 84	Matt chrome	PLT/E	GX24Q-3	2x32w	116,51	0,50	0,40
456 90 32 84	Titanium	PLT/E	GX24Q-3	2x32w	116,51	0,50	0,40
456 01 42 84	White	PLT/E	GX24Q-4	2x42w	102,76	0,50	0,40
456 05 42 84	Chrome	PLT/E	GX24Q-4	2x42w	116,52	0,50	0,40
456 52 42 84	Matt chrome	PLT/E	GX24Q-4	2x42w	116,52	0,50	0,40
456 90 42 84	Titanium	PLT/E	GX24Q-4	2x42w	116,52	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Dendo 1 LED lamp PL 14,4W

Includes driver and 1 LED lamp 14,4W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	455 01 14	White	LED	G-24d-3	1x14,4w	88,52	0,50	0,20
	455 02 14	Black	LED	G-24d-3	1x14,4w	99,69	0,50	0,20
	455 52 14	Matt chrome	LED	G-24d-3	1x14,4w	99,69	0,50	0,20
	455 90 14	Titanium	LED	G-24d-3	1x14,4w	99,69	0,50	0,20

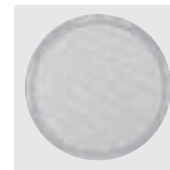
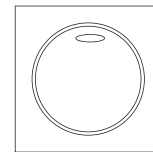
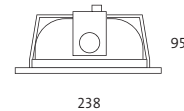
* Supplied in a standard manner with 5400° K lamp

Dendo 2 lamps LED PL 14,4W

Includes driver and 2 lamps LED 14,4W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	456 01 14	White	LED	G-24d-3	2x14,4w	155,60	0,50	0,40
	456 02 14	Black	LED	G-24d-3	2x14,4w	165,20	0,50	0,40
	456 52 14	Matt chrome	LED	G-24d-3	2x14,4w	165,20	0,50	0,40
	456 90 14	Titanium	LED	G-24d-3	2x14,4w	165,20	0,50	0,40

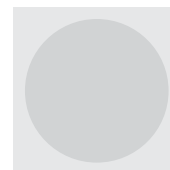
* Supplied in a standard manner with 5400° K lamp



Ref. **CT 494**
Transp. glass serigraphy



Ref. **CMD 494**
Surface glass



Ref. **CM 494**
Matt glass.

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300°K	5400°K
PL LED 14,4w	•	•

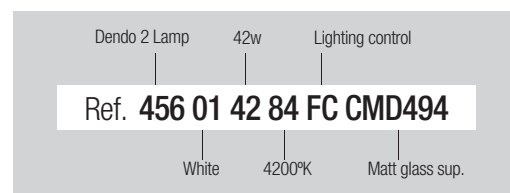
(*) Made Osram Golden Dragon Plus LED.

Rough price increase of control gear	Ref.	Description	1x9/13/18/26w	1x14/17/32/42w	2x9/13/18/26w	2x14/17/32/42w
			€	€	€	€
	Ref. AF	High factor	2.90	2.90	2.90	2.90
	Ref. BE	Electronic ballast	19.00	-	24.00	-
	Ref. BR	Dimmable electronic ballast 1-10v	85.00	85.00	87.00	87.00
	Ref. TD	Dimmable ballast Touch and Dim	85.00	85.00	87.00	87.00
	Ref. CF	Lighting control system "master"	129.00	129.00	136.00	136.00
	Ref. FP	Lighting sensor control system "master"	275.00	275.00	283.00	283.00
	Ref. KE	Emergency kit	130.00	130.00	130.00	130.00

Rough price increase of accessories		€	
Ref. CT 494	Transparent glass with serigraphy	4,36	*
Ref. CM 494	Matt glass	4,57	*
Ref. CTP 494	Polycarbonate protection	11,90	*
Ref. CMD 494	Surface glass	8,20	*
Ref. 1008	Darklight	18,90	
Ref. WL	Wieland connector	16,30	

(*) About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

Example to write a reference with options







Zalín

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective internal glass (Ref. CTZ) or matt glass (Ref. CMZ) transparent/matt surface glass (Ref. CTMZS), transparent glass (Ref. CTSZ), matt glass (Ref. CMSZ) and transparent/matt glass (Ref. CMTZS) for an IP43 protection. (2x42 watts power should be installed without protective glass for an optimal thermal dissipation).
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Electronic ballast for PLT/E 32 / 42 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (See the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and PLT/E lamps 32 / 42 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings..
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 55 nickel, 57 nickel matt.



Zalín 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
439 01 09 84	White	PL G23	1x9w	82,77	0,50	0,20
439 05 09 84	Chrome	PL G23	1x9w	96,77	0,50	0,20
439 52 09 84	Matt chrome	PL G23	1x9w	96,77	0,50	0,20
439 90 09 84	Titanium	PL G23	1x9w	96,77	0,50	0,20
439 01 13 84	White	PL G24d-1	1x13w	82,79	0,50	0,20
439 05 13 84	Chrome	PL G24d-1	1x13w	96,79	0,50	0,20
439 52 13 84	Matt chrome	PL G24d-1	1x13w	96,79	0,50	0,20
439 90 13 84	Titanium	PL G24d-1	1x13w	96,79	0,50	0,20
439 01 18 84	White	PL G24d-2	1x18w	82,81	0,50	0,20
439 05 18 84	Chrome	PL G24d-2	1x18w	96,82	0,50	0,20
439 52 18 84	Matt chrome	PL G24d-2	1x18w	96,82	0,50	0,20
439 90 18 84	Titanium	PL G24d-2	1x18w	96,82	0,50	0,20
439 01 26 84	White	PL G24d-3	1x26w	82,83	0,50	0,20
439 05 26 84	Chrome	PL G24d-3	1x26w	96,84	0,50	0,20
439 52 26 84	Matt chrome	PL G24d-3	1x26w	96,84	0,50	0,20
439 90 26 84	Titanium	PL G24d-3	1x26w	96,84	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
439 01 32 84	White	PLT/E GX24Q-3	1x32w	129,91	0,50	0,20
439 05 32 84	Chrome	PLT/E GX24Q-3	1x32w	145,99	0,50	0,20
439 52 32 84	Matt chrome	PLT/E GX24Q-3	1x32w	145,99	0,50	0,20
439 90 32 84	Titanium	PLT/E GX24Q-3	1x32w	145,99	0,50	0,20
439 01 42 84	White	PLT/E GX24Q-4	1x42w	129,93	0,50	0,20
439 05 42 84	Chrome	PLT/E GX24Q-4	1x42w	146,00	0,50	0,20
439 52 42 84	Matt chrome	PLT/E GX24Q-4	1x42w	146,00	0,50	0,20
439 90 42 84	Titanium	PLT/E GX24Q-4	1x42w	146,00	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Zalín 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
440 01 09 84	White	PL G23	2x9w	85,53	0,50	0,40
440 05 09 84	Chrome	PL G23	2x9w	103,10	0,50	0,40
440 52 09 84	Matt chrome	PL G23	2x9w	103,10	0,50	0,40
440 90 09 84	Titanium	PL G23	2x9w	103,11	0,50	0,40
440 01 13 84	White	PL G24d-1	2x13w	85,54	0,50	0,40
440 05 13 84	Chrome	PL G24d-1	2x13w	103,12	0,50	0,40
440 52 13 84	Matt chrome	PL G24d-1	2x13w	103,12	0,50	0,40
440 90 13 84	Titanium	PL G24d-1	2x13w	103,13	0,50	0,40
440 01 18 84	White	PL G24d-2	2x18w	85,55	0,50	0,40
440 05 18 84	Chrome	PL G24d-2	2x18w	103,14	0,50	0,40
440 52 18 84	Matt chrome	PL G24d-2	2x18w	103,14	0,50	0,40
440 90 18 84	Titanium	PL G24d-2	2x18w	103,15	0,50	0,40
440 01 26 84	White	PL G24d-3	2x26w	85,56	0,50	0,40
440 05 26 84	Chrome	PL G24d-3	2x26w	103,16	0,50	0,40
440 52 26 84	Matt chrome	PL G24d-3	2x26w	103,16	0,50	0,40
440 90 26 84	Titanium	PL G24d-3	2x26w	103,17	0,50	0,40

* Supplied in a standard manner with 4200° K lamp


Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
440 01 32 84	White	PLT/E GX24Q-3	2x32w	148,93	0,50	0,40
440 05 32 84	Chrome	PLT/E GX24Q-3	2x32w	166,09	0,50	0,40
440 52 32 84	Matt chrome	PLT/E GX24Q-3	2x32w	166,09	0,50	0,40
440 90 32 84	Titanium	PLT/E GX24Q-3	2x32w	166,09	0,50	0,40
440 01 42 84	White	PLT/E GX24Q-4	2x42w	148,94	0,50	0,40
440 05 42 84	Chrome	PLT/E GX24Q-4	2x42w	166,10	0,50	0,40
440 52 42 84	Matt chrome	PLT/E GX24Q-4	2x42w	166,10	0,50	0,40
440 90 42 84	Titanium	PLT/E GX24Q-4	2x42w	161,11	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Zalín 1 LED lamp PL 14,4W


Includes driver and 1 LED lamp 14,4W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
	439 01 14	White	LED G-24d-3	1x14,4w		134,70	0,50 0,20
	439 05 14	Chrome	LED G-24d-3	1x14,4w		148,60	0,50 0,20
	439 52 14	Matt chrome	LED G-24d-3	1x14,4w		148,60	0,50 0,20
	439 90 14	Titanium	LED G-24d-3	1x14,4w		148,60	0,50 0,20

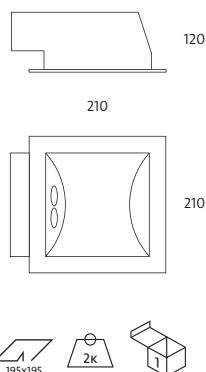
* Supplied in a standard manner with 5400° K lamp

Zalín 2 lamps LED PL 14,4W

Includes driver and 2 lamps LED 14,4W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
	440 01 14	White	LED G-24d-3	2x14,4w		189,50	0,50 0,40
	440 05 14	Chrome	LED G-24d-3	2x14,4w		207,15	0,50 0,40
	440 52 14	Matt chrome	LED G-24d-3	2x14,4w		207,15	0,50 0,40
	440 90 14	Titanium	LED G-24d-3	2x14,4w		207,15	0,50 0,40

* Supplied in a standard manner with 5400° K lamp



Accessories



Ref. CTZ
Transparent glass inside.



Ref. CMZ
Matt glass inside.



Ref. CTMZS
Matt/Transparent surface glass



Ref. CTSZ
Transparent glass surface.



Ref. CMSZ
Matt glass surface.



Ref. CMTZS
Matt/Transparent suspension glass

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300°K	5400°K
PL LED 14,4w	•	•

(*) Made Osram Golden Dragon Plus LED.

	1x9/13/18/26w	1x32/42w	2x9/13/18/26w	2x32/42w
	€	€	€	€
Rough price increase of control gear				
Ref. AF High factor	2.90	-	2.90	-
Ref. BE Electronic ballast	19.00	-	24.00	-
Ref. BR Dimmable electronic ballast 1-10v	85.00	85.00	87.00	87.00
Ref. TD Dimmable ballast Touch and Dim	85.00	85.00	87.00	87.00
Ref. CF Lighting control system "master"	129.00	129.00	136.00	136.00
Ref. FP Lighting sensor control system "master"	275.00	275.00	283.00	283.00
Ref. KE Emergency kit	130.00	130.00	130.00	130.00

Rough price increase of accesories	€	
Ref. CTZ Transparent inside glass	5,05	*
Ref. CMZ Matt inside glass	5,25	*
Ref. CTMZS Matt/Transparent surface glass	5,94	*
Ref. CTSZ Transparent surface glass	5,94	*
Ref. CMSZ Matt surface glass	5,94	*
Ref. CMTZS Matt /transparent suspension glass	7,52	*
Ref. WL Wieland connector	16,30	

(*) About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

Example to write a reference with options

Zalín 2 Lamp 42w Lighting control system

Ref. 440 01 42 83 CF CMSZ

White 3000°K Matt glass sup.

Sato

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass (Ref. ST), matt glass (Ref. SM) or transparent/matt glass (Ref. STM) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 13 up to 26 watts. Electronic ballast for PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (see the options of the table). Equipment for metal halide lamp in the SATO HQI model. Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 26 watts, PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts and LED lamps 14,4w, suitable for domestic and commercial use. HQI lamps of 70 / 150 watts, proposed for commercial areas and group facilities in which is necessary a high lighting level.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. It has the advantage of being installed on a round ceiling cut.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 55 nickel, 57 nickel matt.



Sato PL 1 lamp

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
018 01 13 84	White	PL	G24d-1	13w	67,77	0,50	0,20
018 05 13 84	Chrome	PL	G24d-1	13w	78,91	0,50	0,20
018 52 13 84	Matt chrome	PL	G24d-1	13w	78,91	0,50	0,20
018 90 13 84	Titanium	PL	G24d-1	13w	78,91	0,50	0,20
018 01 18 84	White	PL	G24d-2	18w	67,79	0,50	0,20
018 05 18 84	Chrome	PL	G24d-2	18w	78,93	0,50	0,20
018 52 18 84	Matt chrome	PL	G24d-2	18w	78,93	0,50	0,20
018 90 18 84	Titanium	PL	G24d-2	18w	78,93	0,50	0,20
018 01 26 84	White	PL	G24d-3	26w	67,81	0,50	0,20
018 05 26 84	Chrome	PL	G24d-3	26w	78,95	0,50	0,20
018 52 26 84	Matt chrome	PL	G24d-3	26w	78,95	0,50	0,20
018 90 26 84	Titanium	PL	G24d-3	26w	78,95	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
018 01 14 84	White	PLR	GR14q-1	1x14w	110,76	0,50	0,20
018 05 14 84	Chrome	PLR	GR14q-1	1x14w	119,66	0,50	0,20
018 52 14 84	Matt chrome	PLR	GR14q-1	1x14w	119,66	0,50	0,20
018 90 14 84	Titanium	PLR	GR14q-1	1x14w	119,66	0,50	0,20
018 01 17 84	White	PLR	GR14q-1	1x17w	110,76	0,50	0,20
018 05 17 84	Chrome	PLR	GR14q-1	1x17w	119,66	0,50	0,20
018 52 17 84	Matt chrome	PLR	GR14q-1	1x17w	119,66	0,50	0,20
018 90 17 84	Titanium	PLR	GR14q-1	1x17w	119,66	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
018 01 32 84	White	PL-T	GX24Q-3	1x32w	111,91	0,50	0,20
018 05 32 84	Chrome	PL-T	GX24Q-3	1x32w	120,81	0,50	0,20
018 52 32 84	Matt chrome	PL-T	GX24Q-3	1x32w	120,81	0,50	0,20
018 90 32 84	Titanium	PL-T	GX24Q-3	1x32w	120,81	0,50	0,20
018 01 42 84	White	PL-T	GX24Q-4	1x42w	111,91	0,50	0,20
018 05 42 84	Chrome	PL-T	GX24Q-4	1x42w	120,81	0,50	0,20
018 52 42 84	Matt chrome	PL-T	GX24Q-4	1x42w	120,81	0,50	0,20
018 90 42 84	Titanium	PL-T	GX24Q-4	1x42w	120,81	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Sato PL 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
019 01 13 84	White	PL	G24d-1	2x13w	76,36	0,50	0,40
019 05 13 84	Chrome	PL	G24d-1	2x13w	83,38	0,50	0,40
019 52 13 84	Matt chrome	PL	G24d-1	2x13w	83,38	0,50	0,40
019 90 13 84	Titanium	PL	G24d-1	2x13w	83,38	0,50	0,40
019 01 18 84	White	PL	G24d-2	2x18w	76,38	0,50	0,40
019 05 18 84	Chrome	PL	G24d-2	2x18w	83,40	0,50	0,40
019 52 18 84	Matt chrome	PL	G24d-2	2x18w	83,40	0,50	0,40
019 90 18 84	Titanium	PL	G24d-2	2x18w	83,40	0,50	0,40
019 01 26 84	White	PL	G24d-3	2x26w	76,40	0,50	0,40
019 05 26 84	Chrome	PL	G24d-3	2x26w	83,43	0,50	0,40
019 52 26 84	Matt chrome	PL	G24d-3	2x26w	83,43	0,50	0,40
019 90 26 84	Titanium	PL	G24d-3	2x26w	83,43	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

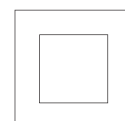
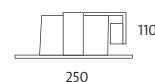
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
019 01 14 84	White	PLR	GR14q-1	2x14w	119,60	0,50	0,40
019 05 14 84	Chrome	PLR	GR14q-1	2x14w	128,58	0,50	0,40
019 52 14 84	Matt chrome	PLR	GR14q-1	2x14w	128,58	0,50	0,40
019 90 14 84	Titanium	PLR	GR14q-1	2x14w	128,58	0,50	0,40
019 01 17 84	White	PLR	GR14q-1	2x17w	119,60	0,50	0,40
019 05 17 84	Chrome	PLR	GR14q-1	2x17w	128,58	0,50	0,40
019 52 17 84	Matt chrome	PLR	GR14q-1	2x17w	128,58	0,50	0,40
019 90 17 84	Titanium	PLR	GR14q-1	2x17w	128,58	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
019 01 32 84	White	PL-T	GX24Q-3	2x32w	121,91	0,50	0,40
019 05 32 84	Chrome	PL-T	GX24Q-3	2x32w	130,89	0,50	0,40
019 52 32 84	Matt chrome	PL-T	GX24Q-3	2x32w	130,89	0,50	0,40
019 90 32 84	Titanium	PL-T	GX24Q-3	2x32w	130,89	0,50	0,40
019 01 42 84	White	PL-T	GX24Q-4	2x42w	121,91	0,50	0,40
019 05 42 84	Chrome	PL-T	GX24Q-4	2x42w	130,89	0,50	0,40
019 52 42 84	Matt chrome	PL-T	GX24Q-4	2x42w	130,89	0,50	0,40
019 90 42 84	Titanium	PL-T	GX24Q-4	2x42w	130,89	0,50	0,40

* Supplied in a standard manner with 4200° K lamp



Ref. **ST**
Transparent glass.



Ref. **SM**
Matt glass.



Ref. **STM**
Matt/Transparent glass

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 13w	•	•	•	•
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

		1x9/13/18/26w	1x14/17/32/42w	2x9/13/18/26w	2x14/17/32/42w
		€	€	€	€
<i>Rough price increase of control gear</i>					
Ref. AF	High factor	2,90	-	2,90	-
Ref. BE	Electronic ballast	19,00	-	24,00	-
Ref. BR	Dimmable electronic ballast 1-10v	85,00	85,00	87,00	87,00
Ref. TD	Dimmable ballast Touch and Dim	85,00	85,00	87,00	87,00
Ref. CF	Lighting control system "master"	129,00	129,00	136,00	136,00
Ref. FP	Lighting sensor control system "master"	275,00	275,00	283,00	283,00
Ref. KE	Emergency kit	130,00	130,00	130,00	130,00

<i>Rough price increase of accesories</i>		€	
Ref. ST	Transparent glass inside	5,92	*
Ref. SM	Matt glass inside	5,96	*
Ref. STM	Matt/Transparent surface glass	5,98	*
Ref. WL	Wieland connector	16,30	

(*) About the 2x32 and 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

<i>Increase by lamp with respect to 26W</i>		1 lamp	2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.

Example to write a reference with options

Sato PL 1 Lamp 32w Lighting control

Ref. **018 90 32 83 CF STM**

Titanium 3000°K Cristal transp/matt

Micra

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass (Ref. MT), matt glass (Ref. MM) or transparent/matt glass (Ref. MTM) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 13 up to 26 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (see the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. It has the advantage of being installed on a round ceiling cut.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 55 nickel, 57 nickel matt.



Includes control gear and PL lamp -T

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
016 01 13 84	White	PL-T	G24d-1	1x13w	57,37	0,25	0,20
016 05 13 84	Chrome	PL-T	G24d-1	1x13w	61,51	0,25	0,20
016 52 13 84	Matt chrome	PL-T	G24d-1	1x13w	61,51	0,25	0,20
016 90 13 84	Titanium	PL-T	G24d-1	1x13w	61,51	0,25	0,20
016 01 18 84	White	PL-T	G24d-2	1x18w	57,39	0,25	0,20
016 05 18 84	Chrome	PL-T	G24d-2	1x18w	61,53	0,25	0,20
016 52 18 84	Matt chrome	PL-T	G24d-2	1x18w	61,53	0,25	0,20
016 90 18 84	Titanium	PL-T	G24d-2	1x18w	61,53	0,25	0,20
016 01 26 84	White	PL-T	G24d-3	1x26w	57,41	0,25	0,20
016 05 26 84	Chrome	PL-T	G24d-3	1x26w	61,55	0,25	0,20
016 52 26 84	Matt chrome	PL-T	G24d-3	1x26w	61,55	0,25	0,20
016 90 26 84	Titanium	PL-T	G24d-3	1x26w	61,55	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Includes caja con Electronic ballast and PL lamp -T

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
017 01 13 84	White	PL-T	G24d-1	1x13w	63,98	0,25	0,20
017 05 13 84	Chrome	PL-T	G24d-1	1x13w	68,00	0,25	0,20
017 52 13 84	Matt chrome	PL-T	G24d-1	1x13w	68,00	0,25	0,20
017 90 13 84	Titanium	PL-T	G24d-1	1x13w	68,00	0,25	0,20
017 01 18 84	White	PL-T	G24d-2	1x18w	63,99	0,25	0,20
017 05 18 84	Matt chrome	PL-T	G24d-2	1x18w	68,02	0,25	0,20
017 52 18 84	Matt chrome	PL-T	G24d-2	1x18w	68,02	0,25	0,20
017 90 18 84	Titanium	PL-T	G24d-2	1x18w	68,02	0,25	0,20
017 01 26 84	White	PL-T	G24d-3	1x26w	64,00	0,25	0,20
017 05 26 84	Chrome	PL-T	G24d-3	1x26w	68,04	0,25	0,20
017 52 26 84	Matt chrome	PL-T	G24d-3	1x26w	68,04	0,25	0,20
017 90 26 84	Titanium	PL-T	G24d-3	1x26w	68,04	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 13w		•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

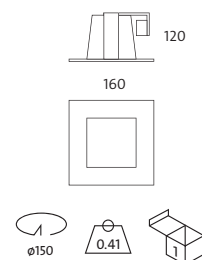
1x9/13/18/26w

Rough price increase of control gear		€
Ref. AF	High factor	2.90
Ref. BR	Dimmable electronic ballast 1-10v	85.00
Ref. TD	Dimmable ballast Touch and Dim	85.00
Ref. CF	Lighting control system "master"	129.00
Ref. FP	Lighting sensor control system "master"	275.00
Ref. KE	Emergency kit	130.00

Rough price increase of accessories		€
Ref. MT	Transparent glass inside	5,64
Ref. MM	Matt glass inside	5,72
Ref. MTM	Matt/Transparent surface glass	5,78
Ref. WL	Wieland connector	16,30

Rough price increase of lamp con respecto a la de 26w		1 lamp
Ref. LED 7 83	PL lamp LED 7,2w - 3.300°K *	46,00
Ref. LED 7 85	PL lamp LED 7,2w - 5.500°K *	46,00

(*) Made Osram Golden Dragon Plus LED.



Ref. MT
Transparent glass.

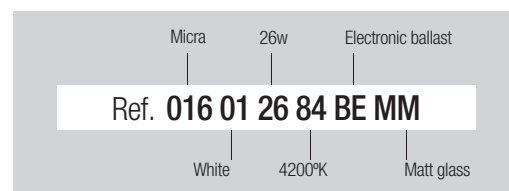


Ref. MM
Matt glass.



Ref. MTM
Matt/Transparent glass

Example to write a reference with options





Tetra

Protection degree IP20 / IP43

- Material:** Steel sheet thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass (Ref. CTC) or matt glass (Ref. CMC) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 13 up to 26 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (see the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 13 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 55 nickel, 57 nickel matt.



Tetra PL - 1 lamp

Includes control gear and PL lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
485 01 84	White	PL	G23	1x9w	73,27	0,50	0,20
485 05 84	Chrome	PL	G23	1x9w	79,82	0,50	0,20
485 52 84	Matt chrome	PL	G23	1x9w	79,82	0,50	0,20
485 90 84	Titanium	PL	G23	1x9w	79,82	0,50	0,20
486 01 84	White	PL	G24d-1	1x13w	73,48	0,50	0,20
486 05 84	Chrome	PL	G24d-1	1x13w	79,92	0,50	0,20
486 52 84	Matt chrome	PL	G24d-1	1x13w	79,92	0,50	0,20
486 90 84	Titanium	PL	G24d-1	1x13w	79,92	0,50	0,20
487 01 84	White	PL	G24d-2	1x18w	73,50	0,50	0,20
487 05 84	Chrome	PL	G24d-2	1x18w	79,94	0,50	0,20
487 52 84	Matt chrome	PL	G24d-2	1x18w	79,94	0,50	0,20
487 90 84	Titanium	PL	G24d-2	1x18w	79,94	0,50	0,20
488 01 84	White	PL	G24d-3	1x26w	73,52	0,50	0,20
488 05 84	Matt chrome	PL	G24d-3	1x26w	79,96	0,50	0,20
488 52 84	Matt chrome	PL	G24d-3	1x26w	79,96	0,50	0,20
488 90 84	Titanium	PL	G24d-3	1x26w	79,96	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Tetra PL - 2 lamps

Includes control gear and PL lamps



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
489 01 84	White	PL	G23	2x9w	80,93	0,50	0,40
489 05 84	Chrome	PL	G23	2x9w	87,32	0,50	0,40
489 52 84	Matt chrome	PL	G23	2x9w	87,32	0,50	0,40
489 90 84	Titanium	PL	G23	2x9w	87,32	0,50	0,40
490 01 84	White	PL	G24d-1	2x13w	80,95	0,50	0,40
490 05 84	Chrome	PL	G24d-1	2x13w	87,34	0,50	0,40
490 52 84	Matt chrome	PL	G24d-1	2x13w	87,34	0,50	0,40
490 90 84	Titanium	PL	G24d-1	2x13w	87,34	0,50	0,40
491 01 84	White	PL	G24d-2	2x18w	80,97	0,50	0,40
491 05 84	Chrome	PL	G24d-2	2x18w	87,36	0,50	0,40
491 52 84	Matt chrome	PL	G24d-2	2x18w	87,36	0,50	0,40
491 90 84	Titanium	PL	G24d-2	2x18w	87,36	0,50	0,40
492 01 84	White	PL	G24d-3	2x26w	80,99	0,50	0,40
492 05 84	Chrome	PL	G24d-3	2x26w	87,17	0,50	0,40
492 52 84	Matt chrome	PL	G24d-3	2x26w	87,17	0,50	0,40
492 90 84	Titanium	PL	G24d-3	2x26w	87,17	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Tetra E-27 - 1 lamp

Includes lampholder para 1 lamp E-27



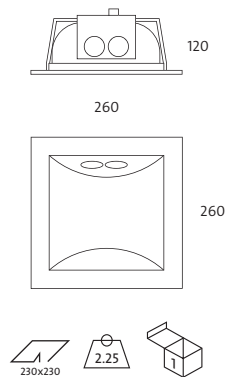
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
488 01 27	White	-	E-27	-	59,88	0,50	
488 05 27	Chrome	-	E-27	-	66,43	0,50	
488 52 27	Matt chrome	-	E-27	-	66,43	0,50	
488 90 27	Titanium	-	E-27	-	66,43	0,50	

Tetra E-27 - 2 lamps

Includes lampholder para 2 lamps E-27



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
492 01 27	White	-	E-27	-	67,54	0,50	
492 05 27	Chrome	-	E-27	-	73,93	0,50	
492 52 27	Matt chrome	-	E-27	-	73,93	0,50	
492 90 27	Titanium	-	E-27	-	73,93	0,50	



OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
<i>Colour temperature</i>	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

<i>Rough price increase of control gear</i>		1x9/13/18/26w €	2x9/13/18/26w €
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

<i>Rough price increase of accessories</i>		€
Ref. 1008T	Darklight Tetra	8,10
Ref. CTC	Transparent glass inside	6,76
Ref. CMC	Matt glass inside	7,06
Ref. WL	Wieland connector	16,30

<i>Increase by lamp with respect to 26W</i>		1 lamp	2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	52,00	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	52,00	104,00

(*) Made Osram Golden Dragon Plus LED.



Ref. **CMC**
Matt glass.



Ref. **CTC**
Transparent glass.

Example to write a reference with options

Tetra 2 lamp. 26w Bal. elec. regulable

Ref. 492 90 26 84 BR CMC

Titanium 4200°K Matt glass

Sirius

Protection degree IP20 / IP43

- Material:** Colored matt glass.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CT 460) or matt glass (Ref. CM 460) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (see the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Matt, pink, blue, green, light blue and marble.



Sirius 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
461 06 09 84	Matt	PL	G23	1x9w	67,27	0,50	0,20
461 07 09 84	Pink	PL	G23	1x9w	68,77	0,50	0,20
461 08 09 84	Blue	PL	G23	1x9w	68,77	0,50	0,20
461 09 09 84	Green	PL	G23	1x9w	68,77	0,50	0,20
461 10 09 84	Light Blue	PL	G23	1x9w	68,77	0,50	0,20
461 11 09 84	Marble	PL	G23	1x9w	68,77	0,50	0,20
462 06 13 84	Matt	PL	G24d-1	1x13w	67,28	0,50	0,20
462 07 13 84	Pink	PL	G24d-1	1x13w	68,78	0,50	0,20
462 08 13 84	Blue	PL	G24d-1	1x13w	68,78	0,50	0,20
462 09 13 84	Green	PL	G24d-1	1x13w	68,78	0,50	0,20
462 10 13 84	Light Blue	PL	G24d-1	1x13w	68,78	0,50	0,20
462 11 13 84	Marble	PL	G24d-1	1x13w	68,78	0,50	0,20
463 06 18 84	Matt	PL	G24d-2	1x18w	67,30	0,50	0,20
463 07 18 84	Pink	PL	G24d-2	1x18w	68,79	0,50	0,20
463 08 18 84	Blue	PL	G24d-2	1x18w	68,79	0,50	0,20
463 09 18 84	Green	PL	G24d-2	1x18w	68,79	0,50	0,20
463 10 18 84	Light Blue	PL	G24d-2	1x18w	68,79	0,50	0,20
463 11 18 84	Marble	PL	G24d-2	1x18w	68,79	0,50	0,20
464 06 26 84	Matt	PL	G24d-3	1x26w	67,31	0,50	0,20
464 07 26 84	Pink	PL	G24d-3	1x26w	68,80	0,50	0,20
464 08 26 84	Blue	PL	G24d-3	1x26w	68,80	0,50	0,20
464 09 26 84	Green	PL	G24d-3	1x26w	68,80	0,50	0,20
464 10 26 84	Light Blue	PL	G24d-3	1x26w	68,80	0,50	0,20
464 11 26 84	Marble	PL	G24d-3	1x26w	68,80	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Sirius 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
465 06 09 84	Matt	PL	G23	2x9w	76,71	0,50	0,40
465 07 09 84	Pink	PL	G23	2x9w	78,20	0,50	0,40
465 08 09 84	Blue	PL	G23	2x9w	78,20	0,50	0,40
465 09 09 84	Green	PL	G23	2x9w	78,20	0,50	0,40
465 10 09 84	Light Blue	PL	G23	2x9w	78,20	0,50	0,40
465 11 09 84	Marble	PL	G23	2x9w	78,20	0,50	0,40
466 06 13 84	Matt	PL	G24d-1	2x13w	76,72	0,50	0,40
466 07 13 84	Pink	PL	G24d-1	2x13w	78,21	0,50	0,40
466 08 13 84	Blue	PL	G24d-1	2x13w	78,21	0,50	0,40
466 09 13 84	Green	PL	G24d-1	2x13w	78,21	0,50	0,40
466 10 13 84	Light Blue	PL	G24d-1	2x13w	78,21	0,50	0,40
466 11 13 84	Marble	PL	G24d-1	2x13w	78,21	0,50	0,40
467 06 18 84	Matt	PL	G24d-2	2x18w	76,73	0,50	0,40
467 07 18 84	Pink	PL	G24d-2	2x18w	78,22	0,50	0,40
467 08 18 84	Blue	PL	G24d-2	2x18w	78,22	0,50	0,40
467 09 18 84	Green	PL	G24d-2	2x18w	78,22	0,50	0,40
467 10 18 84	Light Blue	PL	G24d-2	2x18w	78,22	0,50	0,40
467 11 18 84	Marble	PL	G24d-2	2x18w	78,22	0,50	0,40
468 06 26 84	Matt	PL	G24d-3	2x26w	76,74	0,50	0,40
468 07 26 84	Pink	PL	G24d-3	2x26w	78,23	0,50	0,40
468 08 26 84	Blue	PL	G24d-3	2x26w	78,23	0,50	0,40
468 09 26 84	Green	PL	G24d-3	2x26w	78,23	0,50	0,40
468 10 26 84	Light Blue	PL	G24d-3	2x26w	78,23	0,50	0,40
468 11 26 84	Marble	PL	G24d-3	2x26w	78,23	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Sirius 1 LED lamp PL 14,4W

Includes driver and 1 LED lamp 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
464 06 14	Matt	PL	G24d-3	1x14w	119,30	0,50	0,20
464 07 14	Pink	PL	G24d-3	1x14w	121,10	0,50	0,20
464 08 14	Blue	PL	G24d-3	1x14w	121,10	0,50	0,20
464 09 14	Green	PL	G24d-3	1x14w	121,10	0,50	0,20
464 10 14	Light Blue	PL	G24d-3	1x14w	121,10	0,50	0,20
464 11 14	Marble	PL	G24d-3	1x14w	121,10	0,50	0,20

* Supplied in a standard manner with 5400° K lamp

Sirius 2 lamps LED PL 14,4W

Includes driver and 2 lamps LED 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
468 06 14	Matt	PL	G24d-3	2x14w	180,74	0,50	0,40
468 07 14	Pink	PL	G24d-3	2x14w	182,23	0,50	0,40
468 08 14	Blue	PL	G24d-3	2x14w	182,23	0,50	0,40
468 09 14	Green	PL	G24d-3	2x14w	182,23	0,50	0,40
468 10 14	Light Blue	PL	G24d-3	2x14w	182,23	0,50	0,40
468 11 14	Marble	PL	G24d-3	2x14w	182,23	0,50	0,40

* Supplied in a standard manner with 5400° K lamp



Matt glass



Pink glass



Blue glass



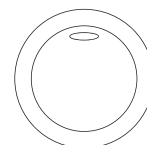
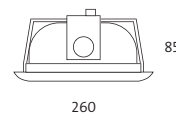
Green glass



Light Blue glass



Marble glass



OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300K°	5400°K
PL LED 14,4w	•	•

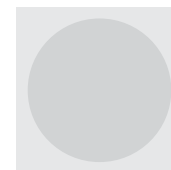
(*) Made Osram Golden Dragon Plus LED.

		1x9/13/18/26w €	2x9/13/18/26w €
<i>Rough price increase of control gear</i>			
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

		€
Ref. CT 460	Transparent glass with serigraphy	4,32
Ref. CM 460	Matt glass	4,32
Ref. WL	Wieland connector	16,30



Ref. CT 460
Transp. glass serigraphy



Ref. CM 460
Matt glass.

Example to write a reference with options

Duray 2 Lamp 18w Lighting control

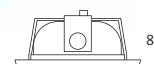
Ref. **467 09 18 83 FC CM460**

Blue 3000°K Matt glass

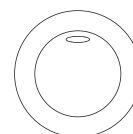
Zino

Protection degree IP20 / IP43

- Material:** Natural woods with different finishes.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass with serigraphy (Ref. CT 494) or matt glass (Ref. CM 494) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (see the options of the table). Driver for LED lamps.
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts and LED lamps 14,4w, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Cherry, oak, walnut, natural, yellow poplar and wengé.



260



Zino 1 lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
498 91 09 84	Cherry	PL	G23	1x9w	65,19	0,50	0,20
498 92 09 84	Oak	PL	G23	1x9w	65,19	0,50	0,20
498 93 09 84	Walnut	PL	G23	1x9w	65,19	0,50	0,20
498 94 09 84	Natural	PL	G23	1x9w	65,19	0,50	0,20
498 95 09 84	Yellow poplar	PL	G23	1x9w	65,19	0,50	0,20
498 96 09 84	Wengé	PL	G23	1x9w	65,19	0,50	0,20
498 91 13 84	Cherry	PL	G24d-1	1x13w	65,20	0,50	0,20
498 92 13 84	Oak	PL	G24d-1	1x13w	65,20	0,50	0,20
498 93 13 84	Walnut	PL	G24d-1	1x13w	65,20	0,50	0,20
498 94 13 84	Natural	PL	G24d-1	1x13w	65,20	0,50	0,20
498 95 13 84	Yellow poplar	PL	G24d-1	1x13w	65,20	0,50	0,20
498 96 13 84	Wengé	PL	G24d-1	1x13w	65,20	0,50	0,20
498 91 18 84	Cherry	PL	G24d-2	1x18w	65,21	0,50	0,20
498 92 18 84	Oak	PL	G24d-2	1x18w	65,21	0,50	0,20
498 93 18 84	Walnut	PL	G24d-2	1x18w	65,21	0,50	0,20
498 94 18 84	Natural	PL	G24d-2	1x18w	65,21	0,50	0,20
498 95 18 84	Yellow poplar	PL	G24d-2	1x18w	65,21	0,50	0,20
498 96 18 84	Wengé	PL	G24d-2	1x18w	65,21	0,50	0,20
498 91 26 84	Cherry	PL	G24d-3	1x26w	65,22	0,50	0,20
498 92 26 84	Oak	PL	G24d-3	1x26w	65,22	0,50	0,20
498 93 26 84	Walnut	PL	G24d-3	1x26w	65,22	0,50	0,20
498 94 26 84	Natural	PL	G24d-3	1x26w	65,22	0,50	0,20
498 95 26 84	Yellow poplar	PL	G24d-3	1x26w	65,22	0,50	0,20
498 96 26 84	Wengé	PL	G24d-3	1x26w	65,22	0,50	0,20

* Supplied in a standard manner with 4200° K lamp

Zino 2 lamps

Includes control gear and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
499 91 09 84	Cherry	PL	G23	2x9w	74,00	0,50	0,40
499 92 09 84	Oak	PL	G23	2x9w	74,00	0,50	0,40
499 93 09 84	Walnut	PL	G23	2x9w	74,00	0,50	0,40
499 94 09 84	Natural	PL	G23	2x9w	74,00	0,50	0,40
499 95 09 84	Yellow poplar	PL	G23	2x9w	74,00	0,50	0,40
499 96 09 84	Wengé	PL	G23	2x9w	74,00	0,50	0,40
499 91 13 84	Cherry	PL	G24d-1	2x13w	74,01	0,50	0,40
499 92 13 84	Oak	PL	G24d-1	2x13w	74,01	0,50	0,40
499 93 13 84	Walnut	PL	G24d-1	2x13w	74,01	0,50	0,40
499 94 13 84	Natural	PL	G24d-1	2x13w	74,01	0,50	0,40
499 95 13 84	Yellow poplar	PL	G24d-1	2x13w	74,01	0,50	0,40
499 96 13 84	Wengé	PL	G24d-1	2x13w	74,01	0,50	0,40
499 91 18 84	Cherry	PL	G24d-2	2x18w	74,02	0,50	0,40
499 92 18 84	Oak	PL	G24d-2	2x18w	74,02	0,50	0,40
499 93 18 84	Walnut	PL	G24d-2	2x18w	74,02	0,50	0,40
499 94 18 84	Natural	PL	G24d-2	2x18w	74,02	0,50	0,40
499 95 18 84	Yellow poplar	PL	G24d-2	2x18w	74,02	0,50	0,40
499 96 18 84	Wengé	PL	G24d-2	2x18w	74,02	0,50	0,40
499 91 26 84	Cherry	PL	G24d-3	2x26w	74,03	0,50	0,40
499 92 26 84	Oak	PL	G24d-3	2x26w	74,03	0,50	0,40
499 93 26 84	Walnut	PL	G24d-3	2x26w	74,03	0,50	0,40
499 94 26 84	Natural	PL	G24d-3	2x26w	74,03	0,50	0,40
499 95 26 84	Yellow poplar	PL	G24d-3	2x26w	74,03	0,50	0,40
499 96 26 84	Wengé	PL	G24d-3	2x26w	74,03	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Zino 1 LED lamp PL 14,4W

Includes driver and 1 LED lamp 14,4W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
	498 91 14	Cherry	PL	G24d-3	1x14,4w	117,22	0,50	0,20
	498 92 14	Oak	PL	G24d-3	1x14,4w	117,22	0,50	0,20
	498 93 14	Walnut	PL	G24d-3	1x14,4w	117,22	0,50	0,20
	498 94 14	Natural	PL	G24d-3	1x14,4w	117,22	0,50	0,20
	498 95 14	Yellow poplar	PL	G24d-3	1x14,4w	117,22	0,50	0,20
	498 96 14	Wengé	PL	G24d-3	1x14,4w	117,22	0,50	0,20

* Supplied in a standard manner with 5400° K lamp

Zino 2 lamps LED PL 14,4W

Includes driver and 2 lamps LED 14,4W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
	499 91 14	Cherry	PL	G24d-3	2x14,4w	178,00	0,50	0,40
	499 92 14	Oak	PL	G24d-3	2x14,4w	178,00	0,50	0,40
	499 93 14	Walnut	PL	G24d-3	2x14,4w	178,00	0,50	0,40
	499 94 14	Natural	PL	G24d-3	2x14,4w	178,00	0,50	0,40
	499 95 14	Yellow poplar	PL	G24d-3	2x14,4w	178,00	0,50	0,40
	499 96 14	Wengé	PL	G24d-3	2x14,4w	178,00	0,50	0,40

* Supplied in a standard manner with 5400° K lamp



Cherry



Oak



Walnut



Natural



Yellow poplar



Wengé

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•

PL LED OPTIONS	Ref. 83	Ref. 85
IRC / Colour temperature	3300K°	5400°K
PL LED 14,4w	•	•

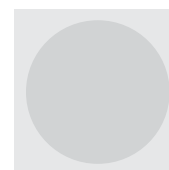
(*) Made Osram Golden Dragon Plus LED.

		1x9/13/18/26w	2x9/13/18/26w
		€	€
Ref. AF	High factor	2.90	2.90
Ref. BE	Electronic ballast	19.00	24.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

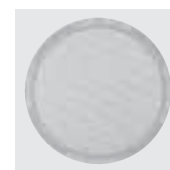
Rough price increase of accesories		€
Ref. CT 494	Transparent glass with serigraphy	4,36
Ref. CM 494	Matt glass	4,57
Ref. CTT	Transparent glass	4,36
Ref. CTP	Polycarbonate protection	8,88
Ref. WL	Wieland connector	16,30



Ref. CTT
Transparent glass.



Ref. CM 494
Matt glass.

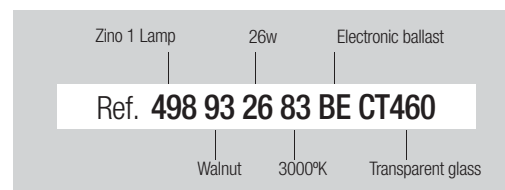


Ref. CT 494
Transp. glass serigraphy



Ref. CTP
Polycarbonate protection.

Example to write a reference with options



Diso

Protection degree IP43

- Material:** Steel sheet thermo painted.
Optics: Aluminium reflector. It includes protection glass.
Supply: Ballast carrier boxes for PL lamp 26 watts. Optionally supplied with electronic ballast or with domotics sensors systems for all the models. (see the options of the table).
Lamps: It uses low consumption lamps PL 26 watts and LED lamps 14,4w, suitable for domestic and commercial use. Driver for LED lamps.
Installation: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
Colours: 01 white, 02 black, 03 gold, 05 chrome, 52 matt chrome, 57 nickel matt and 90 titanium.



Includes protection glass, control gear and PL lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
057 01 26 84	White	PL G24d-3	1x26w	77,57	0,25	0,20	
057 02 26 84	Black	PL G24d-3	1x26w	97,27	0,25	0,20	
057 03 26 84	Gold	PL G24d-3	1x26w	97,27	0,25	0,20	
057 05 26 84	Chrome	PL G24d-3	1x26w	97,27	0,25	0,20	
057 52 26 84	Matt chrome	PL G24d-3	1x26w	97,27	0,25	0,20	
057 57 26 84	Matt nickel	PL G24d-3	1x26w	97,27	0,25	0,20	
057 90 26 84	Titanium	PL G24d-3	1x26w	97,27	0,25	0,20	

* Supplied in a standard manner with 4200° K lamp

Includes driver and 1 LED lamp 14,4W



Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
057 01 14	White	LED G24d-3	1x14,4w	129,60	0,25	0,20	
057 02 14	Black	LED G24d-3	1x14,4w	149,53	0,25	0,20	
057 03 14	Gold	LED G24d-3	1x14,4w	149,53	0,25	0,20	
057 05 14	Chrome	LED G24d-3	1x14,4w	149,53	0,25	0,20	
057 52 14	Matt chrome	LED G24d-3	1x14,4w	149,53	0,25	0,20	
057 57 14	Matt nickel	LED G24d-3	1x14,4w	149,53	0,25	0,20	
057 90 14	Titanium	LED G24d-3	1x14,4w	149,53	0,25	0,20	

* Supplied in a standard manner with 5400° K lamp

OPTIONS

	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 26W	•	•	•	•
PL LED OPTIONS	Ref. 83		Ref. 85	
IRC / Colour temperature	3300K*		5400°K	
PL LED 14,4w	•		•	

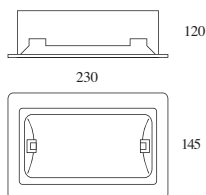
(*) Made Osram Golden Dragon Plus LED.

Rough price increase of control gear

Ref.	Description	1x26w €
Ref. AF	High factor	2.90
Ref. BE	Electronic ballast	19.00
Ref. BR	Dimmable electronic ballast 1-10v	87.00
Ref. TD	Dimmable ballast Touch and Dim	87.00
Ref. CF	Lighting control system "master"	136.00
Ref. FP	Lighting sensor control system "master"	283.00
Ref. KE	Emergency kit	130.00

Rough price increase of accessories

Ref.	Description	€
Ref. WL	Wieland connector	16,30





Downlight 401

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** 99.9 aluminium reflector.
- Supply:** Directly connected to the 220v main, for lampholder E-27.
- Lamps:** It uses all kind of lamps for E-27, from incandescence up to low consumption, up to 300 watts maximum.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium.
By request: 55 nickel, 57 nickel matt.

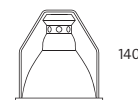


Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 401 01	White	-	E-27	Max. 100w	16,03	0,25
401 02	Black	-	E-27	Max. 100w	19,77	0,25
401 03	Gold	-	E-27	Max. 100w	19,77	0,25
401 05	Chrome	-	E-27	Max. 100w	19,77	0,25
401 52	Matt chrome	-	E-27	Max. 100w	19,77	0,25
401 90	Titanium	-	E-27	Max. 100w	19,77	0,25

Includes driver and LED lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
LED 401L 01 09	White	LED	-	7,2w	81,95	0,25 0,20
401L 02 09	Black	LED	-	7,2w	85,69	0,25 0,20
401L 03 09	Gold	LED	-	7,2w	85,69	0,25 0,20
401L 05 09	Chrome	LED	-	7,2w	85,69	0,25 0,20
401L 52 09	Matt chrome	LED	-	7,2w	85,69	0,25 0,20
401L 90 09	Titanium	LED	-	7,2w	85,69	0,25 0,20



ø135



Downlight 402

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** 99.9 high-brightness and purity, aluminium reflector. It can be supplied with a transparent protective filter (Ref. FP 140) for an IP43 protection or a suspended matt glass ring (Ref. CM 497).
- Supply:** Directly connected to the 220v main, for lampholder E-27.Driver for LED lamps.
- Lamps:** It uses all kind of lamps for E-27, from incandescence up to low consumption, up to 300 watts maximum.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.



Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 402 01	White	-	E-27	Max. 300w	24,08	0,25
402 02	Black	-	E-27	Max. 300w	30,69	0,25
402 03	Gold	-	E-27	Max. 300w	30,69	0,25
402 05	Chrome	-	E-27	Max. 300w	30,69	0,25
402 52	Matt chrome	-	E-27	Max. 300w	30,69	0,25
402 90	Titanium	-	E-27	Max. 300w	30,69	0,25

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
402 01 09 84	White	PL	G23	1x9w	34,22	0,25	0,20
402 02 09 84	Black	PL	G23	1x9w	40,35	0,25	0,20
402 03 09 84	Gold	PL	G23	1x9w	40,35	0,25	0,20
402 05 09 84	Chrome	PL	G23	1x9w	40,35	0,25	0,20
402 52 09 84	Matt chrome	PL	G23	1x9w	40,35	0,25	0,20
402 90 09 84	Titanium	PL	G23	1x9w	40,35	0,25	0,20
402 01 13 84	White	PL	G24d-1	1x13w	34,23	0,25	0,20
402 02 13 84	Black	PL	G24d-1	1x13w	40,36	0,25	0,20
402 03 13 84	Gold	PL	G24d-1	1x13w	40,36	0,25	0,20
402 05 13 84	Chrome	PL	G24d-1	1x13w	40,36	0,25	0,20
402 52 13 84	Matt chrome	PL	G24d-1	1x13w	40,36	0,25	0,20
402 90 13 84	Titanium	PL	G24d-1	1x13w	40,36	0,25	0,20
402 01 18 84	White	PL	G24d-2	1x18w	34,24	0,25	0,20
402 02 18 84	Black	PL	G24d-2	1x18w	40,37	0,25	0,20
402 03 18 84	Gold	PL	G24d-2	1x18w	40,37	0,25	0,20
402 05 18 84	Chrome	PL	G24d-2	1x18w	40,37	0,25	0,20
402 52 18 84	Matt chrome	PL	G24d-2	1x18w	40,37	0,25	0,20
402 90 18 84	Titanium	PL	G24d-2	1x18w	40,37	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•

1x9/13/18w
€

Rough price increase of control gear

Ref. AF	High factor	2.90
Ref. BE	Electronic ballast	19.00
Ref. BR	Dimmable electronic ballast 1-10v	87.00
Ref. TD	Dimmable ballast Touch and Dim	87.00
Ref. CF	Lighting control system "master"	136.00
Ref. FP	Lighting sensor control system "master"	283.00
Ref. KE	Emergency kit	130.00

Rough price increase of accessories

	€
Ref. FP 140 Transparent protective filters	13,82
Ref. CS 140 Halo suspension glass.	15,63
Ref. WL Wieland connector	16,30

Includes LED lamp E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE Lamp
LED 402L 01 05	White	LED	E-27	5,5w	81,88	0,25	0,20
402L 02 05	Black	LED	E-27	5,5w	88,49	0,25	0,20
402L 03 05	Gold	LED	E-27	5,5w	88,49	0,25	0,20
402L 05 05	Chrome	LED	E-27	5,5w	88,49	0,25	0,20
402L 52 05	Matt chrome	LED	E-27	5,5w	88,49	0,25	0,20
402L 90 05	Titanium	LED	E-27	5,5w	88,49	0,25	0,20

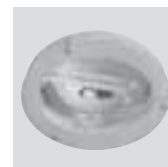
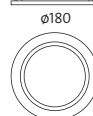
* Supplied in a standard manner with 4200° K lamp

Includes LED PAR 38 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE Lamp
LED 402L 01 15	White	LED	E-27	15w	162,30	0,25	0,20
402L 02 15	Black	LED	E-27	15w	168,92	0,25	0,20
402L 03 15	Gold	LED	E-27	15w	168,92	0,25	0,20
402L 05 15	Chrome	LED	E-27	15w	168,92	0,25	0,20
402L 52 15	Matt chrome	LED	E-27	15w	168,92	0,25	0,20
402L 90 15	Titanium	LED	E-27	15w	168,92	0,25	0,20

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE Lamp
LED 402L 01 09	White	LED	-	7,2w	86,75	0,25	0,20
402L 02 09	Black	LED	-	7,2w	98,03	0,25	0,20
402L 03 09	Gold	LED	-	7,2w	98,03	0,25	0,20
402L 05 09	Chrome	LED	-	7,2w	98,03	0,25	0,20
402L 52 09	Matt chrome	LED	-	7,2w	98,03	0,25	0,20
402L 90 09	Titanium	LED	-	7,2w	98,03	0,25	0,20

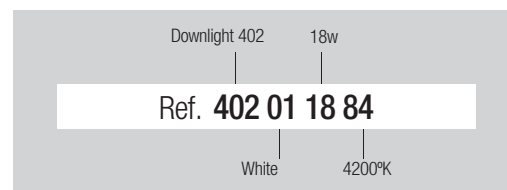


Ref. **CS 140**
Halo suspension glass.



Ref. **FP 140**
Transparent protective filters

Example to write a reference with options



Faceto

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Optics:** High performance aluminium faceted reflector.
- Supply:** Control gear for PL lamps.
- Lamps:** It uses low consumption lamps PL of 9, 13 and 18 watts, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.



Without lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 403 01	White	-	E-27	-	17,21	0,25
403 02	Black	-	E-27	-	19,36	0,25
403 03	Gold	-	E-27	-	19,36	0,25
403 04	Graphite	-	E-27	-	19,36	0,25
403 05	Chrome	-	E-27	-	19,36	0,25
403 52	Matt chrome	-	E-27	-	19,36	0,25
403 90	Titanium	-	E-27	-	19,36	0,25

Includes LED lamp E-27

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. Lamp
LED 403L 01 05	White	LED	E-27	5,5w	75,01	0,25 0,20
403L 02 05	Black	LED	E-27	5,5w	77,16	0,25 0,20
403L 03 05	Gold	LED	E-27	5,5w	77,16	0,25 0,20
403L 04 05	Graphite	LED	E-27	5,5w	77,16	0,25 0,20
403L 05 05	Chrome	LED	E-27	5,5w	77,16	0,25 0,20
403L 52 05	Matt chrome	LED	E-27	5,5w	77,16	0,25 0,20
403L 90 05	Titanium	LED	E-27	5,5w	77,16	0,25 0,20

* Supplied in a standard manner with 4200° K lamp

Includes control gear and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
403 01 09 84	White	PL	G23	1x9w	26,18	0,25 0,20
403 02 09 84	Black	PL	G23	1x9w	29,27	0,25 0,20
403 03 09 84	Gold	PL	G23	1x9w	29,27	0,25 0,20
403 05 09 84	Chrome	PL	G23	1x9w	29,27	0,25 0,20
403 52 09 84	Matt chrome	PL	G23	1x9w	29,27	0,25 0,20
403 90 09 84	Titanium	PL	G23	1x9w	29,27	0,25 0,20
403 01 13 84	White	PL	G24d-1	1x13w	26,19	0,25 0,20
403 02 13 84	Black	PL	G24d-1	1x13w	29,28	0,25 0,20
403 03 13 84	Gold	PL	G24d-1	1x13w	29,28	0,25 0,20
403 05 13 84	Chrome	PL	G24d-1	1x13w	29,28	0,25 0,20
403 52 13 84	Matt chrome	PL	G24d-1	1x13w	29,28	0,25 0,20
403 90 13 84	Titanium	PL	G24d-1	1x13w	29,28	0,25 0,20
403 01 18 84	White	PL	G24d-2	1x18w	26,20	0,25 0,20
403 02 18 84	Black	PL	G24d-2	1x18w	29,29	0,25 0,20
403 03 18 84	Gold	PL	G24d-2	1x18w	29,29	0,25 0,20
403 05 18 84	Chrome	PL	G24d-2	1x18w	29,29	0,25 0,20
403 52 18 84	Matt chrome	PL	G24d-2	1x18w	29,29	0,25 0,20
403 90 18 84	Titanium	PL	G24d-2	1x18w	29,29	0,25 0,20

Includes LED R63 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. Lamp
LED 403L 01 06	White	LED	E-27	6w	75,10	0,25 0,20
403L 02 06	Black	LED	E-27	6w	78,18	0,25 0,20
403L 03 06	Gold	LED	E-27	6w	78,18	0,25 0,20
403L 04 06	Graphite	LED	E-27	6w	78,18	0,25 0,20
403L 05 06	Chrome	LED	E-27	6w	78,18	0,25 0,20
403L 52 06	Matt chrome	LED	E-27	6w	78,18	0,25 0,20
403L 90 06	Titanium	LED	E-27	6w	78,18	0,25 0,20

* Supplied in a standard manner with 4200° K lamp

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. Lamp
LED 403L 01 09	White	LED	-	7,2w	83,13	0,25 0,20
403L 02 09	Black	LED	-	7,2w	85,28	0,25 0,20
403L 03 09	Gold	LED	-	7,2w	85,28	0,25 0,20
403L 04 09	Graphite	LED	-	7,2w	85,28	0,25 0,20
403L 05 09	Chrome	LED	-	7,2w	85,28	0,25 0,20
403L 52 09	Matt chrome	LED	-	7,2w	85,28	0,25 0,20
403L 90 09	Titanium	LED	-	7,2w	85,28	0,25 0,20

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4200°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PL 18w	•	•	•	•

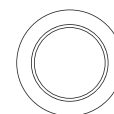
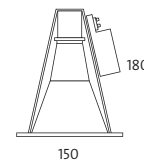
1x9/13/18/26w

Rough price increase of control gear

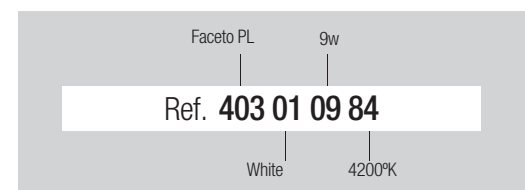
Ref.	Description	€
Ref. AF	High factor	2.90
Ref. BE	Electronic ballast	19.00
Ref. BR	Dimmable electronic ballast 1-10v	85.00
Ref. TD	Dimmable ballast Touch and Dim	85.00
Ref. CF	Lighting control system "master"	129.00
Ref. FP	Lighting sensor control system "master"	275.00
Ref. KE	Emergency kit	130.00

Rough price increase of accessories

Ref.	Description	€
Ref. WL	Wieland connector	16,30



Example to write a reference with options



Supor HQI

Protection degree IP20 / IP43

- Material:** Conformed aluminium thermo painted.
- Optics:** Aluminium reflector. It includes protection glass that prevents the dazzling lighth.
- Supply:** Control gear for HQI lamp. Control gears adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial use, exhibition areas and group facilities due to its high lighting output.
- Installation:** Directly screw on ceiling or on wall (screw not included) or hang up with a suspension (Ref. 1211).
- Colours:** White, black, matt chrome and titanium.

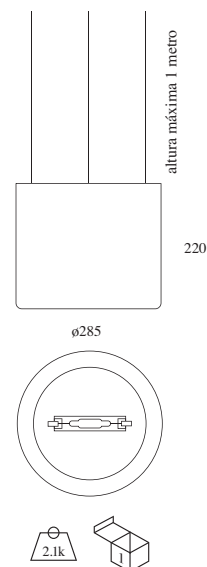


Supor HQI surface

Includes control gear, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
725C 01	White	HQI RX7s	1x70w		167,36	0,50	0,30
725C 02	Black	HQI RX7s	1x70w		175,76	0,50	0,30
725C 52	Matt chrome	HQI RX7s	1x70w		175,76	0,50	0,30
725C 90	Titanium	HQI RX7s	1x70w		175,76	0,50	0,30
726C 01	White	HQI RX7s	1x150w		175,74	0,50	0,30
726C 02	Black	HQI RX7s	1x150w		183,91	0,50	0,30
726C 52	Matt chrome	HQI RX7s	1x150w		183,91	0,50	0,30
726C 90	Titanium	HQI RX7s	1x150w		183,91	0,50	0,30

* Supplied in a standard manner with 4200° K lamp



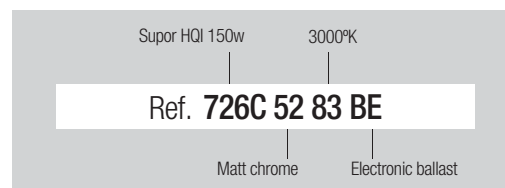
OPTIONS	Ref. 30	Ref. 42
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•

OPTIONS	70w	150w
Rough price increase of control gear	€	€
Ref. BE Electronic ballast	18,75	19,80
Rough price increase of accessories	€	
Ref. 1211 Suspension kit	26,80	
Rough price increase of lamp	€	
Ref. 3350 Mastercolor	25,00	



Ref. 1211
Suspension kit. Standard version 1 metre length. Made-to-measure possibility.

Example to write a reference with options



Luzco HQI

Protection degree IP20 / IP43

- Material:** Conformed aluminium thermo painted.
- Optics:** Aluminium reflector. It includes protection glass that prevents the dazzling lighth.
- Supply:** Control gear for HQI lamps. control gears adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial use, exhibition areas and group facilities due to its high lighting output.
- Installation:** Directly screw on ceiling or on wall (screw not included) or hang up with a suspension (Ref. 1211).
- Colours:** White, black, matt chrome and titanium.

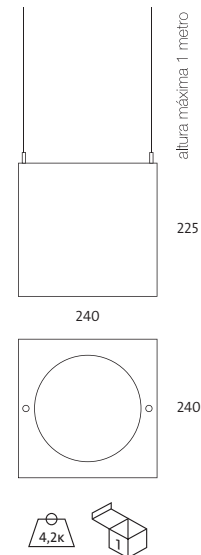


Luzco HQI surface

Includes control gear, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
727C 01	White	HQI	RX7s	1x70w	183,20	0,50	0,30
727C 02	Black	HQI	RX7s	1x70w	191,61	0,50	0,30
727C 52	Matt chrome	HQI	RX7s	1x70w	191,61	0,50	0,30
727C 90	Titanium	HQI	RX7s	1x70w	191,61	0,50	0,30
728C 01	White	HQI	RX7s	1x150w	191,63	0,50	0,30
728C 02	Black	HQI	RX7s	1x150w	199,77	0,50	0,30
728C 52	Matt chrome	HQI	RX7s	1x150w	199,77	0,50	0,30
728C 90	Titanium	HQI	RX7s	1x150w	199,77	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

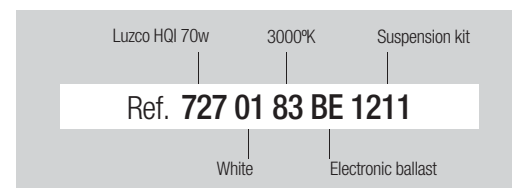


OPTIONS	Ref. 30	Ref. 42
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•



Ref. 1211
Suspension kit. Standard version 1 metre length. Made-to-measure possibility.

Example to write a reference with options



Rough price increase of lamp		€
Ref. 3350	Mastercolor	25,00
Rough price increase of accessories		€
Ref. 1211	Suspension kit	26,80

Miniducto HQI

Protection degree IP43

- Material:** Injected zamak thermo painted.
- Optics:** Aluminium reflector. It includes protection glass for an IP43 protection.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial and industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.

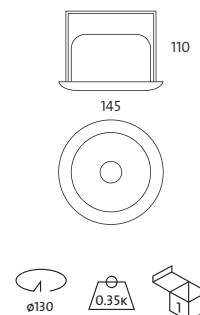


Includes protection glass, control gear and HQI lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
771 01 70	White	HQI	G-12	1x70w	131,88	0,50	0,30
771 02 70	Black	HQI	G-12	1x70w	136,43	0,50	0,30
771 05 70	Chrome	HQI	G-12	1x70w	136,43	0,50	0,30
771 52 70	Matt chrome	HQI	G-12	1x70w	136,43	0,50	0,30
771 90 70	Titanium	HQI	G-12	1x70w	136,43	0,50	0,30
771 01 15	White	HQI	G-12	1x150w	141,22	0,50	0,30
771 02 15	Black	HQI	G-12	1x150w	145,81	0,50	0,30
771 05 15	Chrome	HQI	G-12	1x150w	145,81	0,50	0,30
771 52 15	Matt chrome	HQI	G-12	1x150w	145,81	0,50	0,30
771 90 15	Titanium	HQI	G-12	1x150w	145,81	0,50	0,30

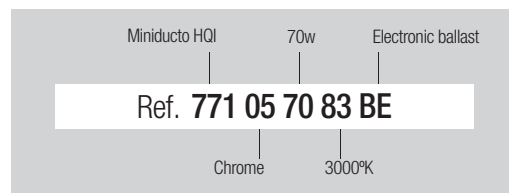
* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•

OPTIONS	70w	150w
Rough price increase of control gear	€	€
Ref. BE Electronic ballast	18,75	19,80
Rough price increase of lamp	€	
Ref. 3350 Mastercolor	25,00	

Example to write a reference with options



Ducto HQI

Protection degree IP43

- Material:** Injected zamak thermo painted.
- Optics:** Aluminium reflector. It includes protection glass for an IP43 protection.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses HQI 70 and 150w lamps, suitable for commercial and industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.



DUCTO HQI 70/150W

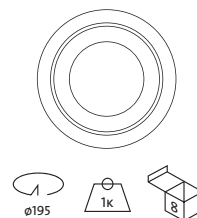
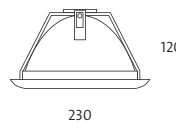


DUCTO HQI 250W

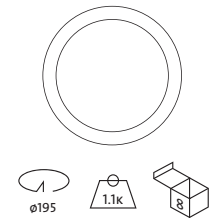
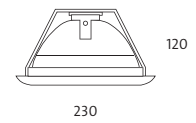
Includes protection glass, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
753 01 70	White	HQI	RX7s	1x70w	105,98	0,50	0,30
753 02 70	Black	HQI	RX7s	1x70w	112,55	0,50	0,30
753 03 70	Gold	HQI	RX7s	1x70w	112,55	0,50	0,30
753 05 70	Chrome	HQI	RX7s	1x70w	112,55	0,50	0,30
753 52 70	Matt chrome	HQI	RX7s	1x70w	112,55	0,50	0,30
753 90 70	Titanium	HQI	RX7s	1x70w	112,55	0,50	0,30
754 01 15	White	HQI	RX7s	1x150w	123,80	0,50	0,30
754 02 15	Black	HQI	RX7s	1x150w	128,66	0,50	0,30
754 03 15	Gold	HQI	RX7s	1x150w	128,66	0,50	0,30
754 05 15	Chrome	HQI	RX7s	1x150w	128,66	0,50	0,30
754 52 15	Matt chrome	HQI	RX7s	1x150w	128,66	0,50	0,30
754 90 15	Titanium	HQI	RX7s	1x150w	128,66	0,50	0,30
757 01 25	White	HQI	RX7s	1x250w	179,94	0,50	0,30
757 02 25	Black	HQI	RX7s	1x250w	185,32	0,50	0,30
757 03 25	Gold	HQI	RX7s	1x250w	185,32	0,50	0,30
757 05 25	Chrome	HQI	RX7s	1x250w	185,32	0,50	0,30
757 52 25	Matt chrome	HQI	RX7s	1x250w	185,32	0,50	0,30
757 90 25	Titanium	HQI	RX7s	1x250w	185,32	0,50	0,30

* Supplied in a standard manner with 4200° K lamp



DUCTO HQI 70/150W

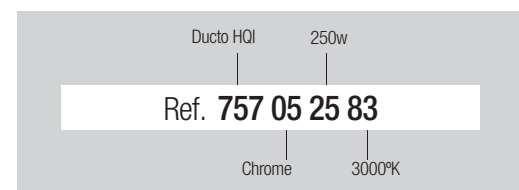


DUCTO HQI 250W

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•
HQI 250w	•	•

OPTIONS	70w €	150w €
Rough price increase of control gear		
Ref. BE Electronic ballast	18,75	19,80

Example to write a reference with options





Compact HQI

Protection degree IP43

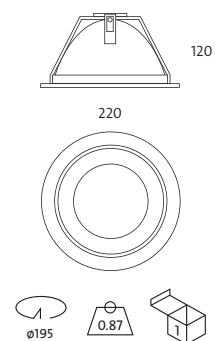
- Material:** Steel sheet thermo painted.
- Optics:** Aluminium reflector. It includes protection glass for an IP43 protection.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial and industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.



Includes protection glass, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
708 01 70	White	HQI	RX7s	1x70w	101,90	0,50	0,30
708 02 70	Black	HQI	RX7s	1x70w	110,19	0,50	0,30
708 03 70	Gold	HQI	RX7s	1x70w	110,19	0,50	0,30
708 05 70	Chrome	HQI	RX7s	1x70w	110,19	0,50	0,30
708 52 70	Matt chrome	HQI	RX7s	1x70w	110,19	0,50	0,30
708 90 70	Titanium	HQI	RX7s	1x70w	110,19	0,50	0,30
709 01 15	White	HQI	RX7s	1x150w	119,79	0,50	0,30
709 02 15	Black	HQI	RX7s	1x150w	125,18	0,50	0,30
709 03 15	Gold	HQI	RX7s	1x150w	125,18	0,50	0,30
709 05 15	Chrome	HQI	RX7s	1x150w	125,18	0,50	0,30
709 52 15	Matt chrome	HQI	RX7s	1x150w	125,18	0,50	0,30
709 90 15	Titanium	HQI	RX7s	1x150w	125,18	0,50	0,30

* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K*	4200K
HQI 70w	•	•
HQI 150w	•	•

OPTIONS	70w	150w
Rough price increase of control gear	€	€
Ref. BE Electronic ballast	18,75	19,80
Rough price increase of lamp	€	
Ref. 3350 Mastercolor	25,00	

Example to write a reference with options

Compact HQI	70w	Electronic ballast
Ref. 708 05 70 83 BE		
Chrome	3000K	

Recessed rectangular

Protection degree IP42

- Material:** Steel sheet thermo painted.
- Optics:** Aluminium reflector. It includes protection glass for an IP42 protection.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial and industrial areas.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and titanium. By request: 55 nickel, 57 nickel matt.



Recessed rectangular HQI

Includes protection glass, control gear and HQI lamp

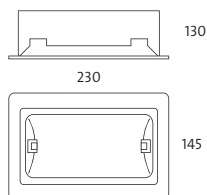
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
705 01 70	White	HQI RX7s	1x70w		101,14	0,50	0,30
705 02 70	Black	HQI RX7s	1x70w		119,69	0,50	0,30
705 03 70	Gold	HQI RX7s	1x70w		119,69	0,50	0,30
705 05 70	Chrome	HQI RX7s	1x70w		119,69	0,50	0,30
705 52 70	Matt chrome	HQI RX7s	1x70w		119,69	0,50	0,30
705 57 70	Matt nickel	HQI RX7s	1x70w		119,69	0,50	0,30
705 90 70	Titanium	HQI RX7s	1x70w		119,69	0,50	0,30
701 01 15	White	HQI RX7s	1x150w		117,90	0,50	0,30
701 02 15	Black	HQI RX7s	1x150w		137,89	0,50	0,30
701 03 15	Gold	HQI RX7s	1x150w		137,89	0,50	0,30
701 05 15	Chrome	HQI RX7s	1x150w		137,89	0,50	0,30
701 52 15	Matt chrome	HQI RX7s	1x150w		137,89	0,50	0,30
701 57 15	Matt nickel	HQI RX7s	1x150w		137,89	0,50	0,30
701 90 15	Titanium	HQI RX7s	1x150w		137,89	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

Rough price increase of control gear		70w	150w
Ref.	Description	€	€
Ref. BE	Electronic ballast	18,75	19,80

Rough price increase of lamp		€
Ref.	Description	€
Ref. 3350	Mastercolor	25,00

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•



Recessed rectangular LED



Includes protection glass, driver and PCB LED 28,8W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	701 01 36 86	White	LED	12x2,4w	235,20	0,25
	701 02 36 86	Black	LED	12x2,4w	253,75	0,25
	701 03 36 86	Gold	LED	12x2,4w	253,75	0,25
	701 05 36 86	Chrome	LED	12x2,4w	253,75	0,25
	701 52 36 86	Matt chrome	LED	12x2,4w	253,75	0,25
	701 57 36 86	Matt nickel	LED	12x2,4w	253,75	0,25
	701 90 36 86	Titanium	LED	12x2,4w	253,75	0,25

* Supplied in a standard manner with 6500° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•
Rough price increase of driver			€
Ref. DR	Dimmable driver 1 - 10v		112,90
Ref. DRD	Dimmable driver Dali		113,80

Recessed rectangular LED



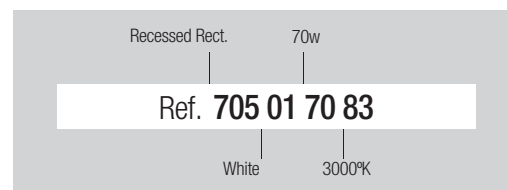
Includes protection glass, driver and PCB LED 29W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	701 01 29 86	White	LED	29w	209,70	0,25
	701 02 29 86	Black	LED	29w	215,89	0,25
	701 03 29 86	Gold	LED	29w	215,89	0,25
	701 05 29 86	Chrome	LED	29w	215,89	0,25
	701 52 29 86	Matt chrome	LED	29w	215,89	0,25
	701 57 29 86	Matt nickel	LED	29w	215,89	0,25
	701 90 29 86	Titanium	LED	29w	215,89	0,25

* Supplied in a standard manner with 5000° K lamp

LED OPTIONS	Ref. 83	Ref. 85	
IRC / Colour temperature	3500°K	5000°K	
Cree 29w	•	•	
Rough price increase of driver			€
Ref. DR	Dimmable driver 1 - 10v		112,90
Ref. DRD	Dimmable driver Dali		113,80

Example to write a reference with options



Sato HQI

Protection degree IP20 / IP43

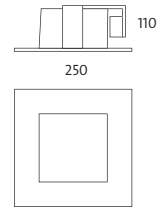
- Material:** Steel sheet thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass (Ref. ST), matt glass (Ref. SM) or transparent/matt glass (Ref. STM) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial use, exhibition areas and group facilities due to its high lighting output.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. It has the advantage of being installed on a round ceiling cut.
- Colours:** White, matt chrome and titanium.

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
019F 01 70 84	White	HQI	RX7s	70w	148,67	0,50 0,30
019F 05 70 84	Chrome	HQI	RX7s	70w	157,51	0,50 0,30
019F 52 70 84	Matt chrome	HQI	RX7s	70w	157,51	0,50 0,30
019F 90 70 84	Titanium	HQI	RX7s	70w	157,51	0,50 0,30
019F 01 15 84	White	HQI	RX7s	150w	156,33	0,50 0,30
019F 05 15 84	Chrome	HQI	RX7s	150w	165,18	0,50 0,30
019F 52 15 84	Matt chrome	HQI	RX7s	150w	165,18	0,50 0,30
019F 90 15 84	Titanium	HQI	RX7s	150w	165,18	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Rough price increase of control gear		70w	150w
		€	€
Ref. BE	Electronic ballast	18,75	19,80
Rough price increase of lamp		€	
Ref. 3350	Mastercolor	25,00	



Ref. ST
Transparent glass.



Ref. SM
Matt glass.



Ref. STM
Matt/Transparent glass

OPTIONS

	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
HQI 70w	•	•
HQI 150w	•	•

Micra HQI

Protection degree IP20 / IP43

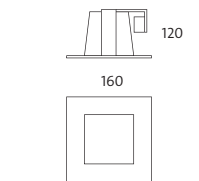
- Material:** Steel sheet thermo painted.
- Optics:** Highly-reflective aluminium reflector. It can be supplied with transparent protective glass (Ref. MT), matt glass (Ref. MM) or transparent/matt glass (Ref. MTM) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses HQI of 70 and 150w lamps, suitable for commercial use, exhibition areas and group facilities due to its high lighting output.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings. It has the advantage of being installed on a round ceiling cut.
- Colours:** White, chrome, matt chrome and titanium. By request: 02 black, 03 gold, 55 nickel, 57 nickel matt.

Includes protection glass, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
017G 01 70 84	White	HQI	G-12	1x70w	188,30	0,25 0,30
017G 05 70 84	Chrome	HQI	G-12	1x70w	192,40	0,25 0,30
017G 52 70 84	Matt chrome	HQI	G-12	1x70w	192,40	0,25 0,30
017G 90 70 84	Titanium	HQI	G-12	1x70w	192,40	0,25 0,30
017G 01 15 84	White	HQI	G-12	1x150w	190,59	0,25 0,30
017G 05 15 84	Chrome	HQI	G-12	1x150w	194,69	0,25 0,30
017G 52 15 84	Matt chrome	HQI	G-12	1x150w	194,69	0,25 0,30
017G 90 15 84	Titanium	HQI	G-12	1x150w	194,69	0,25 0,30

* Supplied in a standard manner with 4200° K lamp

Rough price increase of control gear		70w	150w
		€	€
Ref. BE	Electronic ballast	18,75	19,80
Rough price increase of lamp		€	
Ref. 3350	Mastercolor	25,00	



Ref. MT
Transparent glass.



Ref. MM
Matt glass.



Ref. MTM
Matt/Transparent glass

OPTIONS

	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
HQI 70w	•	•
HQI 150w	•	•





Emergency Ergo

Protection degree IP44

- Material:** Support in thermo painted steel sheet. Body made in plastic injected and polycarbonate diffuser.
- Óptica:** There are 2 versions: transparent diffuser and matt diffuser. It can be supplied with the translucent printed signs in the diffuser.
- Supply:** It uses batteries for one hour of autonomy running (optionally available for three hours).
It remains off and in auto reload operation, working again in a power cut case. Electronic equipment and batteries included in the luminaries.
- Lamps:** Fluorescent T5 lamp of 4w for 40 and 70 lumens and fluorescent compact PLS lamp of 9w for 80 and 300 lumens.
- Installation:** Recessed Ergo: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
Surface Ergo: Directly screw on ceiling (screw not included).
- Colours:** White, chrome, chrome matt and titanium



Emergency Ergo surface

Emergency Ergo surface / transparent diffuser / 40 lumens.

Includes electronic transformer, T5 lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 40	White	T5	G5	4w	40	43,54	0,20	0,30
4145 05 40	Chrome	T5	G5	4w	40	56,42	0,20	0,30
4145 52 40	Matt chrome	T5	G5	4w	40	45,86	0,20	0,30
4145 90 40	Titanium	T5	G5	4w	40	45,86	0,20	0,30

Emergency Ergo surface / matt diffuser / 40 lumens.

Includes electronic transformer, T5 lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 40M	White	T5	G5	4w	40	44,16	0,20	0,30
4145 05 40M	Chrome	T5	G5	4w	40	57,04	0,20	0,30
4145 52 40M	Matt chrome	T5	G5	4w	40	46,48	0,20	0,30
4145 90 40M	Titanium	T5	G5	4w	40	46,48	0,20	0,30

Emergency Ergo surface / transparent diffuser / 70 lumens.

Includes electronic transformer, T5 lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 70	White	T5	G5	4w	70	45,06	0,20	0,30
4145 05 70	Chrome	T5	G5	4w	70	59,58	0,20	0,30
4145 52 70	Matt chrome	T5	G5	4w	70	46,71	0,20	0,30
4145 90 70	Titanium	T5	G5	4w	70	46,71	0,20	0,30

Emergency Ergo surface / matt diffuser / 70 lumens.

Includes electronic transformer, T5 lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 70M	White	T5	G5	4w	70	45,68	0,20	0,30
4145 05 70M	Chrome	T5	G5	4w	70	60,20	0,20	0,30
4145 52 70M	Matt chrome	T5	G5	4w	70	47,32	0,20	0,30
4145 90 70M	Titanium	T5	G5	4w	70	47,32	0,20	0,30

Emergency Ergo surface / transparent diffuser / 180 lumens.

Includes electronic transformer, PLS lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 18	White	PLS	2G7	9w	180	49,07	0,20	0,20
4145 05 18	Chrome	PLS	2G7	9w	180	63,75	0,20	0,20
4145 52 18	Matt chrome	PLS	2G7	9w	180	50,88	0,20	0,20
4145 90 18	Titanium	PLS	2G7	9w	180	50,88	0,20	0,20

Emergency Ergo surface / matt diffuser / 180 lumens.

Includes electronic transformer, PLS lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 18M	White	PLS	2G7	9w	180	49,69	0,20	0,20
4145 05 18M	Chrome	PLS	2G7	9w	180	64,37	0,20	0,20
4145 52 18M	Matt chrome	PLS	2G7	9w	180	51,50	0,20	0,20
4145 90 18M	Titanium	PLS	2G7	9w	180	51,50	0,20	0,20

Emergency Ergo surface / transparent diffuser / 300 lumens.

Includes electronic transformer, PLS lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 30	White	PLS	2G7	9w	300	56,75	0,20	0,20
4145 05 30	Chrome	PLS	2G7	9w	300	60,97	0,20	0,20
4145 52 30	Matt chrome	PLS	2G7	9w	300	58,29	0,20	0,20
4145 90 30	Titanium	PLS	2G7	9w	300	58,29	0,20	0,20

Emergency Ergo surface / matt diffuser / 300 lumens.

Includes electronic transformer, PLS lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE	
							lum.	lamp
4145 01 30M	White	PLS	2G7	9w	300	57,37	0,20	0,20
4145 05 30M	Chrome	PLS	2G7	9w	300	71,89	0,20	0,20
4145 52 30M	Matt chrome	PLS	2G7	9w	300	58,91	0,20	0,20
4145 90 30M	Titanium	PLS	2G7	9w	300	58,91	0,20	0,20

Emergency Ergo



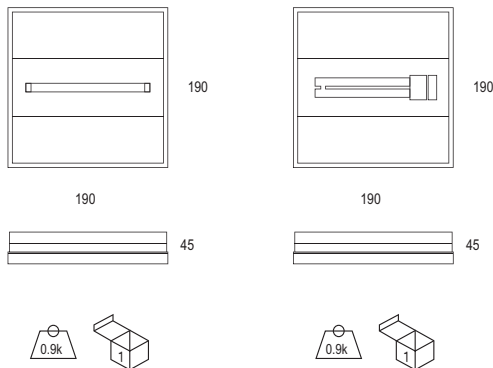
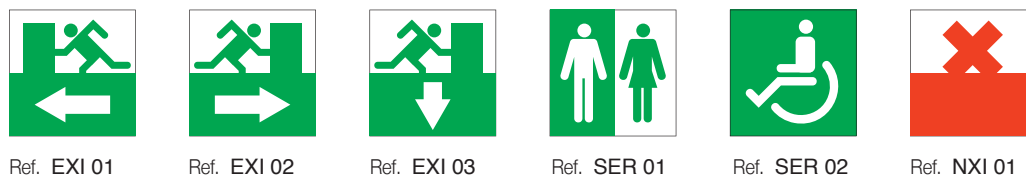
Ref. XXX XX

SPA	ENG	0A	0B	0C
FRA	DEU	0D	0E	0F
POR	ITA	0G		
ARA				

LANGUAGE



MODEL



OPTIONS

Rough price increase of accessories

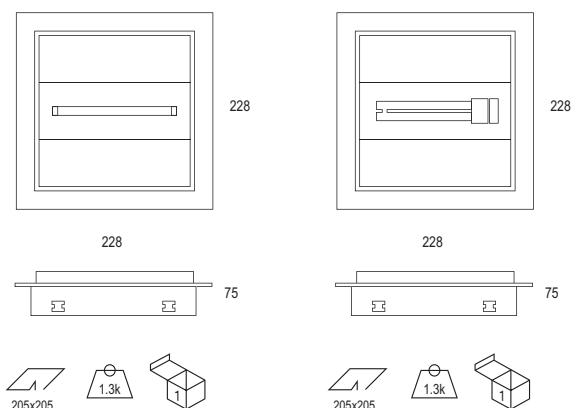
Ref. xxx xx	Signage to print	€ 4,60
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Example to write a reference with options

Ergo surface 180 lúm/matt diffuser

Ref. **145 01 18M SPA 0B**

White Spanish Right arrow exit sign



Emergency Ergo recessed

Emergency Ergo recessed / transparent diffuser / 40 lumens.

Includes electronic transformer, T5 lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 40	White	T5	G5	4w	40	57,19	0,20	0,30
4146 05 40	Chrome	T5	G5	4w	40	72,38	0,20	0,30
4146 52 40	Matt chrome	T5	G5	4w	40	59,51	0,20	0,30
4146 90 40	Titanium	T5	G5	4w	40	59,51	0,20	0,30

Emergency Ergo recessed / matt diffuser / 40 lumens.

Includes electronic transformer, T5 lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 40M	White	T5	G5	4w	40	57,81	0,20	0,30
4146 05 40M	Chrome	T5	G5	4w	40	73,00	0,20	0,30
4146 52 40M	Matt chrome	T5	G5	4w	40	60,13	0,20	0,30
4146 90 40M	Titanium	T5	G5	4w	40	60,13	0,20	0,30

Emergency Ergo recessed / transparent diffuser / 70 lumens.

Includes electronic transformer, T5 lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 70	White	T5	G5	4w	70	58,81	0,20	0,30
4146 05 70	Chrome	T5	G5	4w	70	74,26	0,20	0,30
4146 52 70	Matt chrome	T5	G5	4w	70	61,28	0,20	0,30
4146 90 70	Titanium	T5	G5	4w	70	61,28	0,20	0,30

Emergency Ergo recessed / matt diffuser / 70 lumens.

Includes electronic transformer, T5 lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 70M	White	T5	G5	4w	70	59,43	0,20	0,30
4146 05 70M	Chrome	T5	G5	4w	70	74,88	0,20	0,30
4146 52 70M	Matt chrome	T5	G5	4w	70	61,90	0,20	0,30
4146 90 70M	Titanium	T5	G5	4w	70	61,90	0,20	0,30

Emergency Ergo recessed / transparent diffuser / 180 lumens.

Includes electronic transformer, PLS lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 18	White	PLS	2G7	9w	180	62,72	0,20	0,20
4146 05 18	Chrome	PLS	2G7	9w	180	78,17	0,20	0,20
4146 52 18	Matt chrome	PLS	2G7	9w	180	65,30	0,20	0,20
4146 90 18	Titanium	PLS	2G7	9w	180	65,30	0,20	0,20

Emergency Ergo recessed / matt diffuser / 180 lumens.

Includes electronic transformer, PLS lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 18M	White	PLS	2G7	9w	180	63,34	0,20	0,20
4146 05 18M	Chrome	PLS	2G7	9w	180	78,79	0,20	0,20
4146 52 18M	Matt chrome	PLS	2G7	9w	180	65,92	0,20	0,20
4146 90 18M	Titanium	PLS	2G7	9w	180	65,92	0,20	0,20

Emergency Ergo recessed / transparent diffuser / 300 lumens.

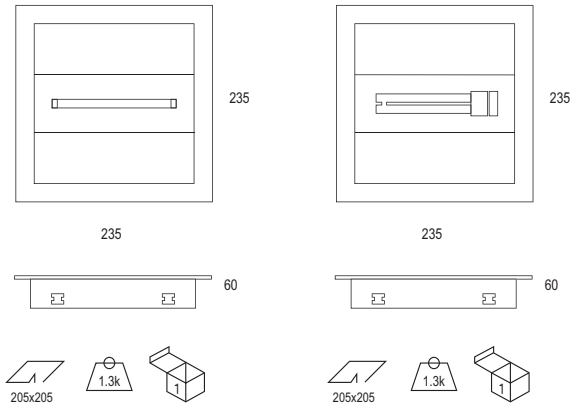
Includes electronic transformer, PLS lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 30	White	PLS	2G7	9w	300	70,40	0,20	0,20
4146 05 30	Chrome	PLS	2G7	9w	300	87,70	0,20	0,20
4146 52 30	Matt chrome	PLS	2G7	9w	300	74,82	0,20	0,20
4146 90 30	Titanium	PLS	2G7	9w	300	74,82	0,20	0,20

Emergency Ergo recessed / matt diffuser / 300 lumens.

Includes electronic transformer, PLS lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	lum. ^{RAEE} lamp	
4146 01 30M	White	PLS	2G7	9w	300	71,01	0,20	0,20
4146 05 30M	Chrome	PLS	2G7	9w	300	88,32	0,20	0,20
4146 52 30M	Matt chrome	PLS	2G7	9w	300	75,44	0,20	0,20
4146 90 30M	Titanium	PLS	2G7	9w	300	75,44	0,20	0,20



Emergency Ergo recessed extraflat

Emergency Ergo recessed extraflat / transparent diffuser / 40 lumens.

Includes electronic transformer, T5 lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 40	White	T5 G5 4w	40	40	59,20	0,20	0,30	
4147 05 40	Chrome	T5 G5 4w	40	40	74,60	0,20	0,30	
4147 52 40	Matt chrome	T5 G5 4w	40	40	61,50	0,20	0,30	
4147 90 40	Titanium	T5 G5 4w	40	40	61,50	0,20	0,30	

Emergency Ergo recessed extraflat / matt diffuser / 40 lumens.

Includes electronic transformer, T5 lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 40M	White	T5 G5 4w	40	40	59,84	0,20	0,30	
4147 05 40M	Chrome	T5 G5 4w	40	40	75,12	0,20	0,30	
4147 52 40M	Matt chrome	T5 G5 4w	40	40	62,84	0,20	0,30	
4147 90 40M	Titanium	T5 G5 4w	40	40	62,84	0,20	0,30	

Emergency Ergo recessed extraflat / transparent diffuser / 70 lumens.

Includes electronic transformer, T5 lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 70	White	T5 G5 4w	70	70	60,92	0,20	0,30	
4147 05 70	Chrome	T5 G5 4w	70	70	76,40	0,20	0,30	
4147 52 70	Matt chrome	T5 G5 4w	70	70	63,32	0,20	0,30	
4147 90 70	Titanium	T5 G5 4w	70	70	63,32	0,20	0,30	

Emergency Ergo recessed extraflat / matt diffuser / 70 lumens.

Includes electronic transformer, T5 lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 70M	White	T5 G5 4w	70	70	61,50	0,20	0,30	
4147 05 70M	Chrome	T5 G5 4w	70	70	76,92	0,20	0,30	
4147 52 70M	Matt chrome	T5 G5 4w	70	70	64,06	0,20	0,30	
4147 90 70M	Titanium	T5 G5 4w	70	70	64,06	0,20	0,30	

Emergency Ergo recessed extraflat / transparent diffuser / 180 lumens.

Includes electronic transformer, PLS lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 18	White	PLS 2G7 9w	180	180	64,84	0,20	0,20	
4147 05 18	Chrome	PLS 2G7 9w	180	180	80,22	0,20	0,20	
4147 52 18	Matt chrome	PLS 2G7 9w	180	180	67,32	0,20	0,20	
4147 90 18	Titanium	PLS 2G7 9w	180	180	67,32	0,20	0,20	

Emergency Ergo recessed extraflat / matt diffuser / 180 lumens.

Includes electronic transformer, PLS lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 18M	White	PLS 2G7 9w	180	180	66,20	0,20	0,20	
4147 05 18M	Chrome	PLS 2G7 9w	180	180	81,10	0,20	0,20	
4147 52 18M	Matt chrome	PLS 2G7 9w	180	180	68,24	0,20	0,20	
4147 90 18M	Titanium	PLS 2G7 9w	180	180	68,24	0,20	0,20	

Emergency Ergo recessed extraflat / transparent diffuser / 300 lumens.

Includes electronic transformer, PLS lamp and transparent diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 30	White	PLS 2G7 9w	300	300	72,42	0,20	0,20	
4147 05 30	Chrome	PLS 2G7 9w	300	300	89,80	0,20	0,20	
4147 52 30	Matt chrome	PLS 2G7 9w	300	300	76,84	0,20	0,20	
4147 90 30	Titanium	PLS 2G7 9w	300	300	76,84	0,20	0,20	

Emergency Ergo recessed extraflat / matt diffuser / 300 lumens.

Includes electronic transformer, PLS lamp and matt diffuser.

Ref.	Colour	Lamp	L/H	W	Lúm.	€	RAEE lum. lamp	
4147 01 30M	White	PLS 2G7 9w	300	300	73,40	0,20	0,20	
4147 05 30M	Chrome	PLS 2G7 9w	300	300	90,82	0,20	0,20	
4147 52 30M	Matt chrome	PLS 2G7 9w	300	300	77,46	0,20	0,20	
4147 90 30M	Titanium	PLS 2G7 9w	300	300	77,46	0,20	0,20	

Arquik track



Arquik track QR-111 **233**
 Arquik track LED-111
 Arquik track CDM-R 111

Proctom track



Proctom track dichroic **234**
 Proctom track LED



Proctom track QR-111 **235**



Proctom track LED-111 **235**



Proctom track PAR 30 **236**
 Proctom track PAR LED



Proctom track CDM-R 111 **236**



Proctom track Minisodium **237**
 Proctom track CDM-TC
 Proctom track HQI
 Proctom track LED 29w

Combox DC track



Combox DC track dichroic **238**
 Combox DC track GU-10
 Combox DC track LED



Combox DC track dichroic **239**
 Combox DC track GU-10
 Combox DC track LED



Combox DC track dichroic **239**
 Combox DC track GU-10
 Combox DC track LED

Combox QR track



Combox QR-111 track **240**
 Combox LED-111 track



Combox QR-111 track **240**
 Combox LED-111 track



Combox QR-111 track **241**
 Combox LED-111 track

Cartem QR/CDM-R 111 track



Cartem QR-111 track **242**
 Cartem LED-111 track
 Cartem CDM-R 111 track

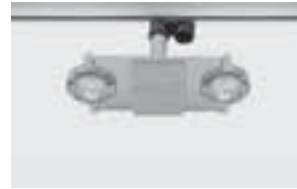


Cartem QR-111 track **243**
 Cartem LED-111 track
 Cartem CDM-R 111 track

Presscom DC track / Lipsi DC track



Presscom DC track dichroic 246
Presscom DC track LED



Presscom DC track dichroic 247
Presscom DC track LED



Lipsi DC track dichroic 248
Lipsi DC track LED



Lipsi DC track dichroic 249
Lipsi DC track LED

Polaris track / Si3n track



Polaris track QR-111 250
Polaris track LED-111
Polaris track CDM-R 111



Si3n track 251



Spot surface linear track 251

Other projectors for track



Lartub track dichroic halogen 252
Lartub track reflective direct
Lartub track LED



Lartub track QR-111 253
Lartub track LED-111
Lartub track CDM-R 111

Lartub track




Spot R-63 track 254





Arquik track QR-111

Includes adapter, electronic transformer and QR-111 lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 3069 01 35 24	White	QR-111	G53	1x35w	180,41	0,25
3069 02 35 24	Black	QR-111	G53	1x35w	184,74	0,25
3069 52 35 24	Matt chrome	QR-111	G53	1x35w	184,74	0,25
3069 90 35 24	Titanium	QR-111	G53	1x35w	184,74	0,25
3069 01 50 45	White	QR-111	G53	1x50w	180,43	0,25
3069 02 50 45	Black	QR-111	G53	1x50w	184,76	0,25
3069 52 50 45	Matt chrome	QR-111	G53	1x50w	184,76	0,25
3069 90 50 45	Titanium	QR-111	G53	1x50w	184,76	0,25
3069 01 60 45	White	QR-111	G53	1x60w	190,03	0,25
3069 02 60 45	Black	QR-111	G53	1x60w	194,36	0,25
3069 52 60 45	Matt chrome	QR-111	G53	1x60w	194,36	0,25
3069 90 60 45	Titanium	QR-111	G53	1x60w	194,36	0,25
3069 01 75 45	White	QR-111	G53	1x75w	187,00	0,25
3069 02 75 45	Black	QR-111	G53	1x75w	191,33	0,25
3069 52 75 45	Matt chrome	QR-111	G53	1x75w	191,33	0,25
3069 90 75 45	Titanium	QR-111	G53	1x75w	191,33	0,25
3069 01 10 45	White	QR-111	G53	1x100w	187,02	0,25
3069 02 10 45	Black	QR-111	G53	1x100w	191,35	0,25
3069 52 10 45	Matt chrome	QR-111	G53	1x100w	191,35	0,25
3069 90 10 45	Titanium	QR-111	G53	1x100w	191,35	0,25

* Supplied in a standard manner with de maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

Arquik track CDM-R 111

Includes adapter, electronic transformer and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
 3069R 01 35	White	CDM-R	GX8.5	1x35w	377,70	0,25	0,30
3069R 02 35	Black	CDM-R	GX8.5	1x35w	382,02	0,25	0,30
3069R 52 35	Matt chrome	CDM-R	GX8.5	1x35w	382,02	0,25	0,30
3069R 90 35	Titanium	CDM-R	GX8.5	1x35w	382,02	0,25	0,30
3069R 01 70	White	CDM-R	GX8.5	1x70w	378,11	0,25	0,30
3069R 02 70	Black	CDM-R	GX8.5	1x70w	382,33	0,25	0,30
3069R 52 70	Matt chrome	CDM-R	GX8.5	1x70w	382,33	0,25	0,30
3069R 90 70	Titanium	CDM-R	GX8.5	1x70w	382,33	0,25	0,30

* Supplied in a standard manner with de maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Arquik track


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps QR-111, metal halide CDMR-111 lamps and LED-111 lamps, suitable for public and/or commercial areas.
- Installation:** Directly on electrified track 220v.
- Colours:** White, black, matt chrome and titanium.



Arquik track LED-111

Includes adapter, driver and LED-111 lamp

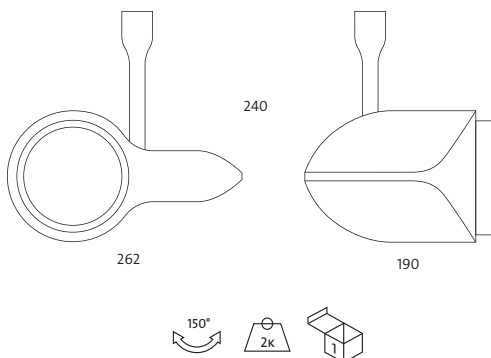
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 3069L 01 12	White	LED-111	-	1x12w	310,13	0,25 0,20
3069L 02 12	Black	LED-111	-	1x12w	314,35	0,25 0,20
3069L 52 12	Matt chrome	LED-111	-	1x12w	314,35	0,25 0,20
3069L 90 12	Titanium	LED-111	-	1x12w	314,35	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Rough price increase of driver		€
Ref. DR	Dimmable driver 1-10V	116,80


Rough price increase of accesories		€
Ref. 3087	LED Red	30,00
Ref. 3088	LED Green	30,00
Ref. 3089	LED Blue	30,00

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•



Arquik track HQI

Includes electronic transformer, glass and HQI lamp G12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 3069G 01 35	White	HQI	G-12	35w	222,21	0,25 0,30
3069G 02 35	Black	HQI	G-12	35w	228,20	0,25 0,30
3069G 52 35	Matt chrome	HQI	G-12	35w	228,20	0,25 0,30
3069G 90 35	Titanium	HQI	G-12	35w	228,20	0,25 0,30
3069G 01 70	White	HQI	G-12	70w	224,70	0,25 0,30
3069G 02 70	Black	HQI	G-12	70w	228,80	0,25 0,30
3069G 52 70	Matt chrome	HQI	G-12	70w	228,80	0,25 0,30
3069G 90 70	Titanium	HQI	G-12	70w	228,80	0,25 0,30
3069G 01 15	White	HQI	G-12	150w	228,60	0,25 0,30
3069G 02 15	Black	HQI	G-12	150w	230,10	0,25 0,30
3069G 52 15	Matt chrome	HQI	G-12	150w	230,10	0,25 0,30
3069G 90 15	Titanium	HQI	G-12	150w	230,10	0,25 0,30

* Supplied in a standard manner with 4200° K lamp

Rough price increase of lamp		35w 70w 150w
Ref. LM	Mastercolor Lamp	€ 19,50

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 35w	•	•
HQI 70w	•	•
HQI 150w	•	•

Example to write a reference with options

Arquik QR111 35w

Ref. 3070 01 35 08

White 8°bevel

Proctom track

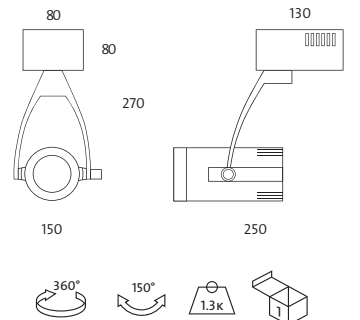
Protection degree IP20

- Material:** Injected and extruded aluminium, thermo painted.
Optics: Optics incorporated in most of de lamps. For HQI G12 and white Minisodium, bright aluminium diffusers are incorporated.
Supply: Electronic equipments adapted to differents types of lamps and to the power needed are included when the model requires it.
Lamps: The series of PROCTOM projectors use a wide range of lamps, with different power and consumption, suitable for any type of lighting and application.

- DOMESTIC USE:**
- Dichroic halogen 12v50w.
 - Direct Halogen GU-10 220v.
 - Low consumption lamps.
 - PAR 30 lamps.
 - LED lamps.
 - QR-111 lamps.

- OFFICES AND COMMERCIAL AREAS:**
- Dichroic halogen 12v50w.
 - Direct Halogen GU-10 220v.
 - Low consumption GU-10 220v.
 - PAR 30 lamps.
 - LED lamps.
 - QR-111 lamps.
 - CDM-R 111 / CDM-TC lamps.
 - HQI lamps.
 - White minisodium lamps.

Installation: Directly on electrified track 220v.
Colours: White, black, matt chrome and titanium.



Proctom track dichroic

Includes adapter, transformer and DICHROIC HALOGEN lamp.

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
002D 01 50	White	12v50w	GU5.3	50w	103,16	0,25
002D 02 50	Black	12v50w	GU5.3	50w	111,12	0,25
002D 52 50	Matt chrome	12v50w	GU5.3	50w	111,12	0,25
002D 90 50	Titanium	12v50w	GU5.3	50w	111,12	0,25

* Supplied in a standard manner with 36° opening lamp

Proctom track LED 5w

Includes adapter, driver and LED lamp 5w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum. lamp
002L 01 05	White	LED	GU5.3	5w	145,74	0,25	0,20
002L 02 05	Black	LED	GU5.3	5w	153,55	0,25	0,20
002L 52 05	Matt chrome	LED	GU5.3	5w	153,55	0,25	0,20
002L 90 05	Titanium	LED	GU5.3	5w	153,55	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Proctom track LED 7w

Includes adapter, driver and LED lamp 7w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum. lamp
002L 01 07	White	LED	GU5.3	7w	162,20	0,25	0,20
002L 02 07	Black	LED	GU5.3	7w	169,80	0,25	0,20
002L 52 07	Matt chrome	LED	GU5.3	7w	169,80	0,25	0,20
002L 90 07	Titanium	LED	GU5.3	7w	169,80	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Proctom track LED 7,2w

Includes driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum. lamp
002L 01 09	White	LED	-	7,2w	161,20	0,25	0,20
002L 02 09	Black	LED	-	7,2w	168,80	0,25	0,20
002L 52 09	Matt chrome	LED	-	7,2w	168,80	0,25	0,20
002L 90 09	Titanium	LED	-	7,2w	168,80	0,25	0,20

* Supplied in a standard manner with 3300° K lamp

Proctom track MR16 LED RGB

Includes adapter, driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lum. lamp
002L 01 03	White	LED	GU5.3	3w	154,12	0,25	0,20
002L 02 03	Black	LED	GU5.3	3w	163,55	0,25	0,20
002L 52 03	Matt chrome	LED	GU5.3	3w	163,55	0,25	0,20
002L 90 03	Titanium	LED	GU5.3	3w	163,55	0,25	0,20

Rough price increase of accesories					€
Ref. 3080	Controller MR16 LED RGB lamp				6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Proctom track QR

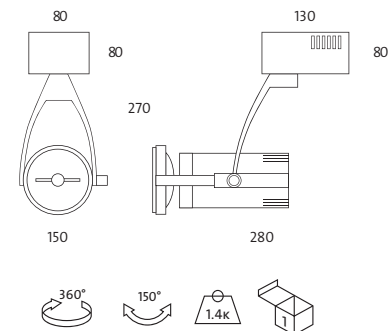
Includes adapter, transformer and QR-111 lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
002QC 01 35	White	QR-111	G53	35w	99,75	0,25
002QC 02 35	Black	QR-111	G53	35w	104,84	0,25
002QC 52 35	Matt chrome	QR-111	G53	35w	104,84	0,25
002QC 90 35	Titanium	QR-111	G53	35w	104,84	0,25
002QC 01 50	White	QR-111	G53	50w	99,75	0,25
002QC 02 50	Black	QR-111	G53	50w	104,84	0,25
002QC 52 50	Matt chrome	QR-111	G53	50w	104,84	0,25
002QC 90 50	Titanium	QR-111	G53	50w	104,84	0,25
002QC 01 60	White	QR-111	G53	60w	124,17	0,25
002QC 02 60	Black	QR-111	G53	60w	127,54	0,25
002QC 52 60	Matt chrome	QR-111	G53	60w	127,54	0,25
002QC 90 60	Titanium	QR-111	G53	60w	127,54	0,25
002QC 01 75	White	QR-111	G53	75w	119,93	0,25
002QC 02 75	Black	QR-111	G53	75w	123,12	0,25
002QC 52 75	Matt chrome	QR-111	G53	75w	123,12	0,25
002QC 90 75	Titanium	QR-111	G53	75w	123,12	0,25
002QC 01 10	White	QR-111	G53	100w	119,93	0,25
002QC 02 10	Black	QR-111	G53	100w	123,12	0,25
002QC 52 10	Matt chrome	QR-111	G53	100w	123,12	0,25
002QC 90 10	Titanium	QR-111	G53	100w	123,12	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•



Proctom track LED-111

Includes adapter, driver and LED-111 lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
002B 01	White	LED-111	G53	12w	201,60	0,25	0,20
002B 02	Black	LED-111	G53	12w	203,70	0,25	0,20
002B 52	Matt chrome	LED-111	G53	12w	203,70	0,25	0,20
002B 90	Titanium	LED-111	G53	12w	203,70	0,25	0,20

* Supplied in a standard manner with 3100° K lamp



Rough price increase of driver	€
Ref. DR Dimmable driver 1-10V	116,80

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000K°
LED-111 12w	•	•

Example to write a reference with options


Proctom QR 75w

Ref. **002QC 01 75 08**

White 8°bevel

Proctom track PAR 30


Includes adapter and lamp PAR 30

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 002HC 01 75	White	PAR 30	E-27	75w	138,82	0,25
002HC 02 75	Black	PAR 30	E-27	75w	141,90	0,25
002HC 52 75	Matt chrome	PAR 30	E-27	75w	141,90	0,25
002HC 90 75	Titanium	PAR 30	E-27	75w	141,90	0,25
002HC 01 10	White	PAR 30	E-27	100w	138,84	0,25
002HC 02 10	Black	PAR 30	E-27	100w	141,89	0,25
002HC 52 10	Matt chrome	PAR 30	E-27	100w	141,89	0,25
002HC 90 10	Titanium	PAR 30	E-27	100w	141,89	0,25

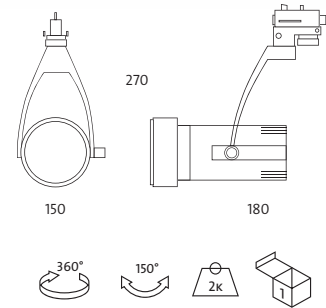


Proctom track PAR LED

Includes adapter and PAR 30 LED lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 002B 01 09	White	LED	E-27	9w	221,71	0,25 0,20
002B 02 09	Black	LED	E-27	9w	224,75	0,25 0,20
002B 52 09	Matt chrome	LED	E-27	9w	224,75	0,25 0,20
002B 90 09	Titanium	LED	E-27	9w	224,75	0,25 0,20

* Supplied in a standard manner with 3100° K lamp



Proctom track CDM-R 111

Includes adapter, transformer and CDM-R 111 lamp

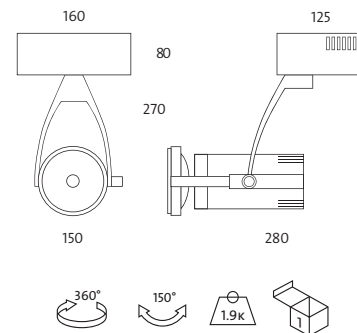
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 002RC 01 35	White	CDM-R 111	GX8.5	35w	322,11	0,25 0,30
002RC 02 35	Black	CDM-R 111	GX8.5	35w	324,29	0,25 0,30
002RC 52 35	Matt chrome	CDM-R 111	GX8.5	35w	324,29	0,25 0,30
002RC 90 35	Titanium	CDM-R 111	GX8.5	35w	324,29	0,25 0,30
002RC 01 70	White	CDM-R 111	GX8.5	70w	322,21	0,25 0,30
002RC 02 70	Black	CDM-R 111	GX8.5	70w	324,31	0,25 0,30
002RC 52 70	Matt chrome	CDM-R 111	GX8.5	70w	324,31	0,25 0,30
002RC 90 70	Titanium	CDM-R 111	GX8.5	70w	324,31	0,25 0,30

* Supplied in a standard manner with de maximum lamp bevel.

* Supplied in a standard manner with 3000° K lamp



OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Proctom track

Proctom LED 29w



Includes driver and LED 29w

LED	Ref.	Colour	Lamp	L/H	W	€	lum.
	002B 01 25	White	LED	-	29w	280,43	0,25
	002B 02 25	Black	LED	-	29w	286,13	0,25
	002B 52 25	Matt chrome	LED	-	29w	286,13	0,25
	002B 90 25	Titanium	LED	-	29w	286,13	0,25

* Supplied in a standard manner with 3000° K lamp

Rough price increase of driver		€
Ref. DR	Dimmable driver 1 - 10v	112,90
Ref. DRD	Dimmable driver Dali	113,80

Proctom track CDM-TC

Includes adapter, protection glass, transformer and CDM-TC lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
	002TC 01 35	White	CDM-TC	G8.5	35w	294,74	0,25 0,30
	002TC 02 35	Black	CDM-TC	G8.5	35w	296,85	0,25 0,30
	002TC 52 35	Matt chrome	CDM-TC	G8.5	35w	296,85	0,25 0,30
	002TC 90 35	Titanium	CDM-TC	G8.5	35w	296,85	0,25 0,30
	002TC 01 70	White	CDM-TC	G8.5	70w	294,76	0,25 0,30
	002TC 02 70	Black	CDM-TC	G8.5	70w	296,87	0,25 0,30
	002TC 52 70	Matt chrome	CDM-TC	G8.5	70w	296,87	0,25 0,30
	002TC 90 70	Titanium	CDM-TC	G8.5	70w	296,87	0,25 0,30

Proctom Minisodium

Includes adapter, protection glass, transformer and MINISODIUM lamp

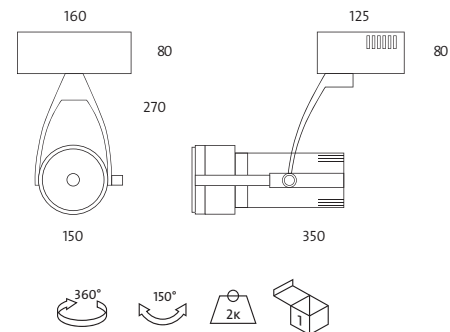
Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
	002SC 01 50	White	SDW-TG	GX12-1	50w	417,46	0,25 0,30
	002SC 02 50	Black	SDW-TG	GX12-1	50w	419,56	0,25 0,30
	002SC 52 50	Matt chrome	SDW-TG	GX12-1	50w	419,56	0,25 0,30
	002SC 90 50	Titanium	SDW-TG	GX12-1	50w	419,56	0,25 0,30
	002SC 01 10	White	SDW-TG	GX12-1	100w	417,48	0,25 0,30
	002SC 02 10	Black	SDW-TG	GX12-1	100w	419,58	0,25 0,30
	002SC 52 10	Matt chrome	SDW-TG	GX12-1	100w	419,58	0,25 0,30
	002SC 90 10	Titanium	SDW-TG	GX12-1	100w	419,58	0,25 0,30

Proctom HQI

Includes adapter, protection glass, transformer and HQI G12 lamp

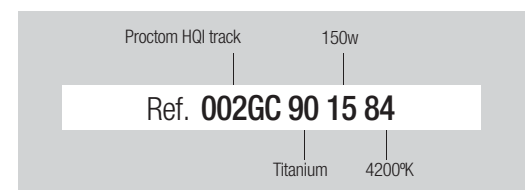
Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
	002GC 01 35	White	HQI	G-12	35w	295,50	0,25 0,30
	002GC 02 35	Black	HQI	G-12	35w	297,60	0,25 0,30
	002GC 52 35	Matt chrome	HQI	G-12	35w	297,60	0,25 0,30
	002GC 90 35	Titanium	HQI	G-12	35w	297,60	0,25 0,30
	002GC 01 70	White	HQI	G-12	70w	295,50	0,25 0,30
	002GC 02 70	Black	HQI	G-12	70w	297,60	0,25 0,30
	002GC 52 70	Matt chrome	HQI	G-12	70w	297,60	0,25 0,30
	002GC 90 70	Titanium	HQI	G-12	70w	297,60	0,25 0,30
	002GC 01 15	White	HQI	G-12	150w	367,49	0,25 0,30
	002GC 02 15	Black	HQI	G-12	150w	369,59	0,25 0,30
	002GC 52 15	Matt chrome	HQI	G-12	150w	369,59	0,25 0,30
	002GC 90 15	Titanium	HQI	G-12	150w	369,59	0,25 0,30

* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
HQI 35w	•	•
HQI 70w	•	•
HQI 150w	•	•

Example to write a reference with options



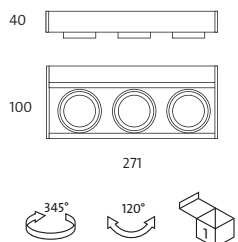
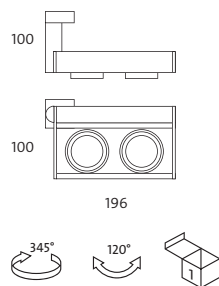
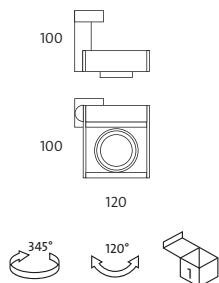
Combox DC track

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of COMBOX lightings use dichroic halogen lamps and LED lamps, suitable for domestic and commercial use.
- Installation:** Directly on electrified track 220v.
- Colours:** Black, matt chrome and titanium



Combox DC Track 1 lamp



Includes adapter, transformer and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
021 02 01 50	Black	12v50w	GU5.3	1x50w	144,98	0,25
021 52 01 50	Matt chrome	12v50w	GU5.3	1x50w	144,98	0,25
021 90 01 50	Titanium	12v50w	GU5.3	1x50w	144,98	0,25

* Supplied in a standard manner with 36° opening lamp

Includes adapter and DIRECT lamp 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
021U 02 01	Black	220v50w	GU-10	1x50w	141,83	0,25
021U 52 01	Matt chrome	220v50w	GU-10	1x50w	141,83	0,25
021U 90 01	Titanium	220v50w	GU-10	1x50w	141,83	0,25

* Supplied in a standard manner with 40° opening lamp

Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
021L 02 01 05	Black	LED	GU5.3	1x5w	186,76	0,25	0,20
021L 52 01 05	Matt chrome	LED	GU5.3	1x5w	186,76	0,25	0,20
021L 90 01 05	Titanium	LED	GU5.3	1x5w	186,76	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
021L 02 01 07	Black	LED	GU5.3	1x7w	203,20	0,25	0,20
021L 52 01 07	Matt chrome	LED	GU5.3	1x7w	203,20	0,25	0,20
021L 90 01 07	Titanium	LED	GU5.3	1x7w	203,20	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
021L 02 01 10 07	Black	LED	GU-10	1x7W	194,00	0,25	0,20
021L 52 01 10 07	Matt chrome	LED	GU-10	1x7W	194,00	0,25	0,20
021L 90 01 10 07	Titanium	LED	GU-10	1x7W	194,00	0,25	0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
021L 02 01 03	Black	LED	GU5.3	1x3w	197,40	0,25	0,20
021L 52 01 03	Matt chrome	LED	GU5.3	1x3w	197,40	0,25	0,20
021L 90 01 03	Titanium	LED	GU5.3	1x3w	197,40	0,25	0,20

Rough price increase of accesories					€
Ref. 3080	Controller MR16 LED RGB lamp				6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.





Combox DC Track 2 lamps

Includes adapter, transformer and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
021 02 02 50	Black	12v50w	GU5.3	2x50w	196,83	0,50
021 52 02 50	Matt chrome	12v50w	GU5.3	2x50w	196,83	0,50
021 90 02 50	Titanium	12v50w	GU5.3	2x50w	196,83	0,50

* Supplied in a standard manner with 36° opening lamp

Includes adapter and DIRECT lamps 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
021U 02 02	Black	220v50w	GU-10	2x50w	190,53	0,50
021U 52 02	Matt chrome	220v50w	GU-10	2x50w	190,53	0,50
021U 90 02	Titanium	220v50w	GU-10	2x50w	190,53	0,50

* Supplied in a standard manner with 40° opening lamp

Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 02 05	Black	LED	GU5.3	2x5w	282,17	0,25 0,40
021L 52 02 05	Matt chrome	LED	GU5.3	2x5w	282,17	0,25 0,40
021L 90 02 05	Titanium	LED	GU5.3	2x5w	282,17	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 02 07	Black	LED	GU5.3	2x7w	316,20	0,25 0,40
021L 52 02 07	Matt chrome	LED	GU5.3	2x7w	316,20	0,25 0,40
021L 90 02 07	Titanium	LED	GU5.3	2x7w	316,20	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 02 10 07	Black	LED	GU-10	2x7W	294,35	0,25 0,40
021L 52 02 10 07	Matt chrome	LED	GU-10	2x7W	294,35	0,25 0,40
021L 90 02 10 07	Titanium	LED	GU-10	2x7W	294,35	0,25 0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 02 03	Black	LED	GU5.3	2x3w	301,68	0,25 0,40
021L 52 02 03	Matt chrome	LED	GU5.3	2x3w	301,68	0,25 0,40
021L 90 02 03	Titanium	LED	GU5.3	2x3w	301,68	0,25 0,40

Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
Ref. 3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Combox DC Track 3 lamps

Includes adapter, transformer and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
021 02 03 50	Black	12v50w	GU5.3	3x50w	248,33	0,50
021 52 03 50	Matt chrome	12v50w	GU5.3	3x50w	248,33	0,50
021 90 03 50	Titanium	12v50w	GU5.3	3x50w	248,33	0,50

* Supplied in a standard manner with 36° opening lamp

Includes adapter and DIRECT lamps 220v GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
021U 02 03	Black	220v50w	GU-10	3x50w	238,88	0,50
021U 52 03	Matt chrome	220v50w	GU-10	3x50w	238,88	0,50
021U 90 03	Titanium	220v50w	GU-10	3x50w	238,88	0,50

* Supplied in a standard manner with 40° opening lamp

Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 03 05	Black	LED	GU5.3	3x5w	377,26	0,25 0,60
021L 52 03 05	Matt chrome	LED	GU5.3	3x5w	377,26	0,25 0,60
021L 90 03 05	Titanium	LED	GU5.3	3x5w	377,26	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 03 07	Black	LED	GU5.3	3x7w	422,60	0,25 0,60
021L 52 03 07	Matt chrome	LED	GU5.3	3x7w	422,60	0,25 0,60
021L 90 03 07	Titanium	LED	GU5.3	3x7w	422,60	0,25 0,60

* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 03 10 07	Black	LED	GU-10	3x7W	388,35	0,25 0,60
021L 52 03 10 07	Matt chrome	LED	GU-10	3x7W	388,35	0,25 0,60
021L 90 03 10 07	Titanium	LED	GU-10	3x7W	388,35	0,25 0,60

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
021L 02 03 03	Black	LED	GU5.3	3x3w	405,61	0,25 0,60
021L 52 03 03	Matt chrome	LED	GU5.3	3x3w	405,61	0,25 0,60
021L 90 03 03	Titanium	LED	GU5.3	3x3w	405,61	0,25 0,60

Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
Ref. 3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Combox QR / LED track


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of COMBOX lightings use halogen QR-111 lamps and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Directly on electrified track 220v.
- Colours:** White, black, matt chrome and titanium.



Combox QR Track 1 lamp


Includes adapter, transformer and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 025 01 01 35	White	QR-111	G53	1x35w	174,52	0,25
025 01 02 35	Black	QR-111	G53	1x35w	179,75	0,25
025 01 52 35	Matt chrome	QR-111	G53	1x35w	179,75	0,25
025 01 90 35	Titanium	QR-111	G53	1x35w	179,75	0,25
025 01 01 50	White	QR-111	G53	1x50w	174,52	0,25
025 01 02 50	Black	QR-111	G53	1x50w	179,75	0,25
025 01 52 50	Matt chrome	QR-111	G53	1x50w	179,75	0,25
025 01 90 50	Titanium	QR-111	G53	1x50w	179,75	0,25
025 01 01 60	White	QR-111	G53	1x60w	186,33	0,25
025 01 02 60	Black	QR-111	G53	1x60w	188,43	0,25
025 01 52 60	Matt chrome	QR-111	G53	1x60w	188,43	0,25
025 01 90 60	Titanium	QR-111	G53	1x60w	188,43	0,25

* Supplied in a standard manner with maximum lamp bevel.

Combox QR Track 2 lamps


Includes adapter, transformer and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 025 02 01 35	White	QR-111	G53	2x35w	241,50	0,25
025 02 02 35	Black	QR-111	G53	2x35w	243,60	0,25
025 02 52 35	Matt chrome	QR-111	G53	2x35w	243,60	0,25
025 02 90 35	Titanium	QR-111	G53	2x35w	243,60	0,25
025 02 01 50	White	QR-111	G53	2x50w	241,50	0,25
025 02 02 50	Black	QR-111	G53	2x50w	243,60	0,25
025 02 52 50	Matt chrome	QR-111	G53	2x50w	243,60	0,25
025 02 90 50	Titanium	QR-111	G53	2x50w	243,60	0,25
025 02 01 60	White	QR-111	G53	2x60w	265,66	0,25
025 02 02 60	Black	QR-111	G53	2x60w	267,77	0,25
025 02 52 60	Matt chrome	QR-111	G53	2x60w	267,77	0,25
025 02 90 60	Titanium	QR-111	G53	2x60w	267,77	0,25

* Supplied in a standard manner with maximum lamp bevel.

Combox LED111 Track 1 lamp


Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 025B 01 01 12	White	LED-111	-	1x12w	278,11	0,25 0,20
025B 01 02 12	Black	LED-111	-	1x12w	286,45	0,25 0,20
025B 01 52 12	Matt chrome	LED-111	-	1x12w	286,45	0,25 0,20
025B 01 90 12	Titanium	LED-111	-	1x12w	286,45	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

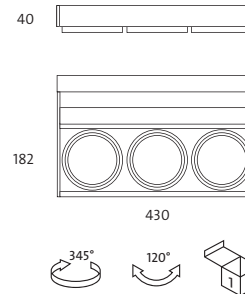
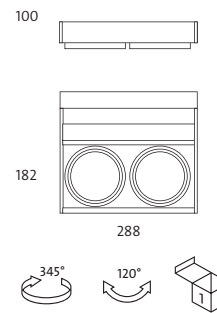
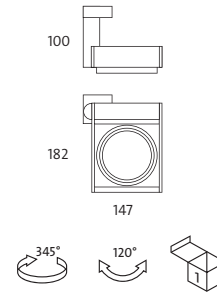
Combox LED111 Track 2 lamps

Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 025B 02 01 12	White	LED-111	-	2x12w	495,96	0,25 0,40
025B 02 02 12	Black	LED-111	-	2x12w	498,06	0,25 0,40
025B 02 52 12	Matt chrome	LED-111	-	2x12w	498,06	0,25 0,40
025B 02 90 12	Titanium	LED-111	-	2x12w	498,06	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Combox QR / LED track



Combox QR Track 3 lamps

Includes adapter, transformer and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
025 03 01 35	White	QR-111	G53	3x35w	302,92	0,50
025 03 02 35	Black	QR-111	G53	3x35w	305,03	0,50
025 03 52 35	Matt chrome	QR-111	G53	3x35w	305,03	0,50
025 03 90 35	Titanium	QR-111	G53	3x35w	305,03	0,50
025 03 01 50	White	QR-111	G53	3x50w	302,92	0,50
025 03 02 50	Black	QR-111	G53	3x50w	305,03	0,50
025 03 52 50	Matt chrome	QR-111	G53	3x50w	305,03	0,50
025 03 90 50	Titanium	QR-111	G53	3x50w	305,03	0,50
025 03 01 60	White	QR-111	G53	3x60w	338,37	0,50
025 03 02 60	Black	QR-111	G53	3x60w	340,47	0,50
025 03 52 60	Matt chrome	QR-111	G53	3x60w	340,47	0,50
025 03 90 60	Titanium	QR-111	G53	3x60w	340,47	0,50

* Supplied in a standard manner with maximum lamp bevel.

Combox LED111 Track 3 lamps

Includes adapter, driver and LED 111 lamp

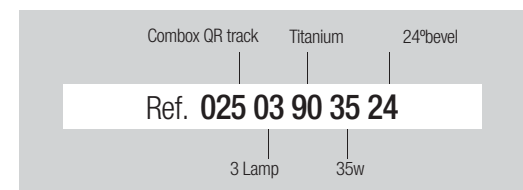
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
025B 03 01 12	White	LED-111	-	3x12w	613,69	0,50 0,60
025B 03 02 12	Black	LED-111	-	3x12w	615,79	0,50 0,60
025B 03 52 12	Matt chrome	LED-111	-	3x12w	615,79	0,50 0,60
025B 03 90 12	Titanium	LED-111	-	3x12w	615,79	0,50 0,60

* Supplied in a standard manner with 3100° K lamp

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

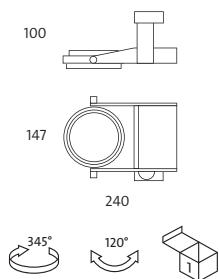
Example to write a reference with options



Cartem QR / CDM-R 111 / LED track


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of CARTEM lightings use halogen QR-111 lamps and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and/or commercial areas.
- Installation:** Directly on electrified track 220v.
- Colours:** White, black, matt chrome and titanium.



Cartem Track 1 lamp


Includes adapter, transformer and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 031 01 01 35	White	QR-111	G53	1x35w	194,58	0,25
031 01 02 35	Black	QR-111	G53	1x35w	196,68	0,25
031 01 52 35	Matt chrome	QR-111	G53	1x35w	196,68	0,25
031 01 90 35	Titanium	QR-111	G53	1x35w	196,68	0,25
031 01 01 50	White	QR-111	G53	1x50w	194,58	0,25
031 01 02 50	Black	QR-111	G53	1x50w	196,68	0,25
031 01 52 50	Matt chrome	QR-111	G53	1x50w	196,68	0,25
031 01 90 50	Titanium	QR-111	G53	1x50w	196,68	0,25
031 01 01 60	White	QR-111	G53	1x60w	206,29	0,25
031 01 02 60	Black	QR-111	G53	1x60w	208,39	0,25
031 01 52 60	Matt chrome	QR-111	G53	1x60w	208,39	0,25
031 01 90 60	Titanium	QR-111	G53	1x60w	208,39	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•


Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 031B 01 01 12	White	LED-111	-	1x12w	292,25	0,25 0,20
031B 01 02 12	Black	LED-111	-	1x12w	294,35	0,25 0,20
031B 01 52 12	Matt chrome	LED-111	-	1x12w	294,35	0,25 0,20
031B 01 90 12	Titanium	LED-111	-	1x12w	294,35	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Includes adapter, transformer and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 778 01 35	White	CDM-R 111	GX8.3	1x35w	382,88	0,25 0,30
778 02 35	Black	CDM-R 111	GX8.3	1x35w	384,98	0,25 0,30
778 52 35	Matt chrome	CDM-R 111	GX8.3	1x35w	384,98	0,25 0,30
778 90 35	Titanium	CDM-R 111	GX8.3	1x35w	384,98	0,25 0,30

* Supplied in a standard manner with 40° opening lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Cartem Track 2 lamps

Includes adapter, transformer and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
031 02 01 35	White	QR-111	G53	2x35w	269,70	0,25
031 02 02 35	Black	QR-111	G53	2x35w	271,80	0,25
031 02 52 35	Matt chrome	QR-111	G53	2x35w	271,80	0,25
031 02 90 35	Titanium	QR-111	G53	2x35w	271,80	0,25
031 02 01 50	White	QR-111	G53	2x50w	269,70	0,25
031 02 02 50	Black	QR-111	G53	2x50w	271,80	0,25
031 02 52 50	Matt chrome	QR-111	G53	2x50w	271,80	0,25
031 02 90 50	Titanium	QR-111	G53	2x50w	271,80	0,25
031 02 01 60	White	QR-111	G53	2x60w	272,12	0,25
031 02 02 60	Black	QR-111	G53	2x60w	274,18	0,25
031 02 52 60	Matt chrome	QR-111	G53	2x60w	274,18	0,25
031 02 90 60	Titanium	QR-111	G53	2x60w	274,18	0,25

* Supplied in a standard manner with maximum lamp bevel.

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•

Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
031B 02 01 12	White	LED-111	-	2x12w	465,36	0,25 0,40
031B 02 02 12	Black	LED-111	-	2x12w	467,46	0,25 0,40
031B 02 52 12	Matt chrome	LED-111	-	2x12w	467,46	0,25 0,40
031B 02 90 12	Titanium	LED-111	-	2x12w	467,46	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

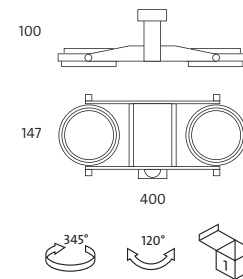
LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000K°
LED-111 12w	•	•

Includes adapter, transformer and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
780 01 35	White	CDM-R 111	GX8.3	2x35w	504,45	0,25 0,60
780 02 35	Black	CDM-R 111	GX8.3	2x35w	506,55	0,25 0,60
780 52 35	Matt chrome	CDM-R 111	GX8.3	2x35w	506,55	0,25 0,60
780 90 35	Titanium	CDM-R 111	GX8.3	2x35w	506,55	0,25 0,60

* Supplied in a standard manner with 40° opening lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

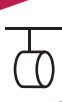


Example to write a reference with options

Cartem track 2 Lamp 60w

Ref. 031 02 90 60 08

Titanium 8°bevel







Presscom DC Track

Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of PRESSCOM DC lightings use halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly on electrified track 220v.
- Colours:** Black, matt chrome and titanium

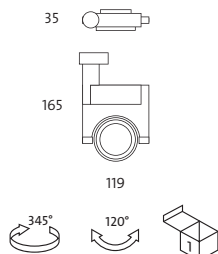


Presscom DC Track 1 lamp

Includes adapter, transformer and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033 02 01 50	Black	12v50w	GU5.3	1x50w	140,33	0,25	
033 52 01 50	Matt chrome	12v50w	GU5.3	1x50w	140,33	0,25	
033 90 01 50	Titanium	12v50w	GU5.3	1x50w	140,33	0,25	

* Supplied in a standard manner with 36° opening lamp



Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 01 05	Black	LED	GU5.3	1x5w	183,90	0,25	0,20
033L 52 01 05	Matt chrome	LED	GU5.3	1x5w	183,90	0,25	0,20
033L 90 01 05	Titanium	LED	GU5.3	1x5w	183,90	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 01 07	Black	LED	GU5.3	1x7w	199,62	0,25	0,20
033L 52 01 07	Matt chrome	LED	GU5.3	1x7w	199,62	0,25	0,20
033L 90 01 07	Titanium	LED	GU5.3	1x7w	199,62	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 01 10 07	Black	LED	GU-10	1x7W	187,55	0,25	0,20
033L 52 01 10 07	Matt chrome	LED	GU-10	1x7W	187,55	0,25	0,20
033L 90 01 10 07	Titanium	LED	GU-10	1x7W	187,55	0,25	0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 01 03	Black	LED	GU5.3	1x3w	194,51	0,25	0,20
033L 52 01 03	Matt chrome	LED	GU5.3	1x3w	194,51	0,25	0,20
033L 90 01 03	Titanium	LED	GU5.3	1x3w	194,51	0,25	0,20

Rough price increase of accesories

Ref.	€
3080 Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.





Presscom DC 2 Track lamps

Includes adapter, transformer and lamps DICHROIC HALOGEN



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033 02 02 50	Black	12v50w	GU5.3	2x50w	202,73	0,25	0,25
033 52 02 50	Matt chrome	12v50w	GU5.3	2x50w	202,73	0,25	0,25
033 90 02 50	Titanium	12v50w	GU5.3	2x50w	202,73	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes adapter, driver and LED lamps 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 02 05	Black	LED	GU5.3	2x5w	287,96	0,25	0,40
033L 52 02 05	Matt chrome	LED	GU5.3	2x5w	287,96	0,25	0,40
033L 90 02 05	Titanium	LED	GU5.3	2x5w	287,96	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 02 07	Black	LED	GU5.3	2x7w	321,12	0,25	0,40
033L 52 02 07	Matt chrome	LED	GU5.3	2x7w	321,12	0,25	0,40
033L 90 02 07	Titanium	LED	GU5.3	2x7w	321,12	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamps 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 02 10 07	Black	LED	GU-10	2x7W	297,26	0,25	0,40
033L 52 02 10 07	Matt chrome	LED	GU-10	2x7W	297,26	0,25	0,40
033L 90 02 10 07	Titanium	LED	GU-10	2x7W	297,26	0,25	0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and lamps MR16 LED RGB

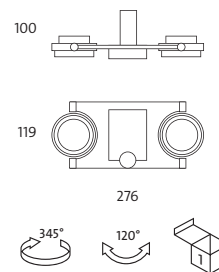


Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
033L 02 02 03	Black	LED	GU5.3	2x3w	321,91	0,25	0,40
033L 52 02 03	Matt chrome	LED	GU5.3	2x3w	321,91	0,25	0,40
033L 90 02 03	Titanium	LED	GU5.3	2x3w	321,91	0,25	0,40

Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

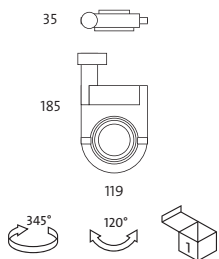
* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Lipsi DC Track


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of LIPSI lightings use halogen lamps and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly on electrified track 220v.
- Colours:** Titanium




Lipsi DC Track 1 lamp

Includes adapter, transformer and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 039 02 01 50	Black	12v50w	GU5.3	1x50w	139,75	0,25
039 52 01 50	Matt chrome	12v50w	GU5.3	1x50w	139,75	0,25
039 90 01 50	Titanium	12v50w	GU5.3	1x50w	139,75	0,25


* Supplied in a standard manner with 36° opening lamp

Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 039L 02 01 05	Black	LED	GU5.3	1x5w	181,60	0,25 0,20
039L 52 01 05	Matt chrome	LED	GU5.3	1x5w	181,60	0,25 0,20
039L 90 01 05	Titanium	LED	GU5.3	1x5w	181,60	0,25 0,20


* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 039L 02 01 07	Black	LED	GU5.3	1x7w	198,54	0,25 0,20
039L 52 01 07	Matt chrome	LED	GU5.3	1x7w	198,54	0,25 0,20
039L 90 01 07	Titanium	LED	GU5.3	1x7w	198,54	0,25 0,20


* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamp 7W

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 039L 02 01 10 07	Black	LED	GU-10	1x7W	188,77	0,25 0,20
039L 52 01 10 07	Matt chrome	LED	GU-10	1x7W	188,77	0,25 0,20
039L 90 01 10 07	Titanium	LED	GU-10	1x7W	188,77	0,25 0,20

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and MR16 LED RGB lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 039L 02 01 03	Black	LED	GU5.3	1x3w	192,16	0,25 0,20
039L 52 01 03	Matt chrome	LED	GU5.3	1x3w	192,16	0,25 0,20
039L 90 01 03	Titanium	LED	GU5.3	1x3w	192,16	0,25 0,20

Rough price increase of accesories

Ref.	€
3080 Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Lipsis DC Track 2 lamps

Includes adapter, transformer and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
039 02 02 50	Black	12v50w	GU5.3	2x50w	206,18	0,25	0,25
039 52 02 50	Matt chrome	12v50w	GU5.3	2x50w	206,18	0,25	0,25
039 90 02 50	Titanium	12v50w	GU5.3	2x50w	206,18	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes adapter, driver and LED lamps 5W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
039L 02 02 05	Black	LED	GU5.3	2x5w	291,34	0,25	0,40
039L 52 02 05	Matt chrome	LED	GU5.3	2x5w	291,34	0,25	0,40
039L 90 02 05	Titanium	LED	GU5.3	2x5w	291,34	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Includes adapter, driver and LED lamp 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
039L 02 02 07	Black	LED	GU5.3	2x7w	325,24	0,25	0,40
039L 52 02 07	Matt chrome	LED	GU5.3	2x7w	325,24	0,25	0,40
039L 90 02 07	Titanium	LED	GU5.3	2x7w	325,24	0,25	0,40

* Supplied in a standard manner with 3100° K lamp

Includes adapter and LED lamps 7W



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
039L 02 02 10 07	Black	LED	GU-10	2x7W	300,91	0,25	0,40
039L 52 02 10 07	Matt chrome	LED	GU-10	2x7W	300,91	0,25	0,40
039L 90 02 10 07	Titanium	LED	GU-10	2x7W	300,91	0,25	0,40

* Supplied in a standard manner with 3000° K dimmable lamp

Includes adapter, driver and lamps MR16 LED RGB

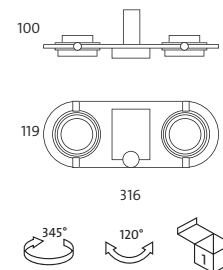


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
039L 02 02 03	Black	LED	GU5.3	2x3w	258,61	0,25	0,40
039L 52 02 03	Matt chrome	LED	GU5.3	2x3w	258,61	0,25	0,40
039L 90 02 03	Titanium	LED	GU5.3	2x3w	258,61	0,25	0,40

Rough price increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Polaris QR / CDM-R 111 / LED Track


Protection degree IP20

- Material:** Injected aluminium and steel thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** Use halogen lamps QR-111, metal halide CDMR-111 lamps and LED-111 lamps, suitable for public and/or commercial areas.
- Installation:** Directly on electrified track 220v.
- Colours:** White, black and titanium.

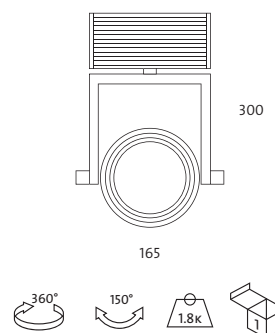


Polaris QR-111

Includes adapter, transformer and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 714Q 01 35	White	QR-111	G53	1x35w	124,05	0,50
714Q 02 35	Black	QR-111	G53	1x35w	126,11	0,50
714Q 90 35	Titanium	QR-111	G53	1x35w	126,11	0,50
714Q 01 50	White	QR-111	G53	1x50w	124,05	0,50
714Q 02 50	Black	QR-111	G53	1x50w	126,11	0,50
714Q 90 50	Titanium	QR-111	G53	1x50w	126,11	0,50
714Q 01 60	White	QR-111	G53	1x60w	133,69	0,50
714Q 02 60	Black	QR-111	G53	1x60w	135,75	0,50
714Q 90 60	Titanium	QR-111	G53	1x60w	135,75	0,50
714Q 01 75	White	QR-111	G53	1x75w	130,64	0,50
714Q 02 75	Black	QR-111	G53	1x75w	132,70	0,50
714Q 90 75	Titanium	QR-111	G53	1x75w	132,70	0,50
714Q 01 100	White	QR-111	G53	1x100w	130,64	0,50
714Q 02 100	Black	QR-111	G53	1x100w	132,70	0,50
714Q 90 100	Titanium	QR-111	G53	1x100w	132,70	0,50


* Supplied in a standard manner with maximum lamp level.



OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

Polaris CDM-R 111

Includes adapter, transformer and CDM-R 111 lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 714 01 35	White	CDM-R 111	GX8.5	1x35w	321,33	0,50 0,30
714 02 35	Black	CDM-R 111	GX8.5	1x35w	323,39	0,50 0,30
714 90 35	Titanium	CDM-R 111	GX8.5	1x35w	323,39	0,50 0,30
714 01 70	White	CDM-R 111	GX8.5	1x70w	321,33	0,50 0,30
714 02 70	Black	CDM-R 111	GX8.5	1x70w	323,39	0,50 0,30
714 90 70	Titanium	CDM-R 111	GX8.5	1x70w	323,39	0,50 0,30

* Supplied in a standard manner with 40° opening lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Polaris LED-111

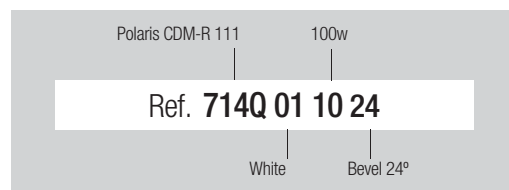
Includes adapter, driver and LED-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 714B 01 12	White	LED-111	G53	1x12w	221,96	0,50 0,20
714B 02 12	Black	LED-111	G53	1x12w	224,02	0,50 0,20
714B 90 12	Titanium	LED-111	G53	1x12w	224,02	0,50 0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Example to write a reference with options



Sión Track

Protection degree IP20

- Material:** Injected aluminium thermo painted and polycarbonate.
- Optics:** High performance aluminium reflector, provides an homogeneous light.
- Supply:** Control gear adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** Dulux F-36w low consumption lamp
- Installation:** Directly on electrified track 220v.
- Colours:** White, black and titanium.

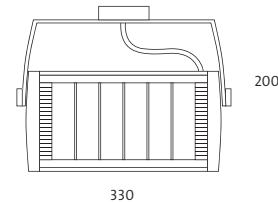
Includes adapter, control gear and DULUX-F36 lamp



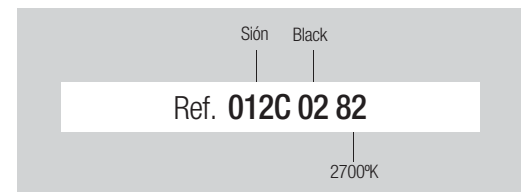
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
012C 01	White	DULUX-F	2G10	1x36w	156,32	0,25	0,20
012C 02	Black	DULUX-F	2G10	1x36w	158,42	0,25	0,20
012C 90	Titanium	DULUX-F	2G10	1x36w	158,42	0,25	0,20

* Supplied in a standard manner with 4000° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84
Colour temperature	2700°K	3000°K	4000°K
Dulux 36w	•	•	•



Example to write a reference with options



Spot surface linear track

Protection degree IP43

- Material:** Steel sheet thermo painted and electrolytic coat.
- Optics:** Aluminium reflector.
- Supply:** Directly connected to the 220v main.
- Lamps:** Lineal halogen lamp of 118mm up to 200w maximum.
- Installation:** Directly connected to electrified track 220v.
- Colours:** White, black, gold and chrome.

Includes adapter and protection glass

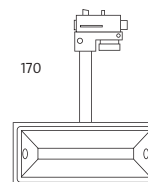
R7s

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
506 01	White	-	R7s	-	79,79	0,25	
506 02	Black	-	R7s	-	89,27	0,25	
506 03	Gold	-	R7s	-	89,27	0,25	
506 05	Chrome	-	R7s	-	89,27	0,25	

Includes adapter, protection glass and lamp LINEAR HALOGEN



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
506 01 20	White	Halóg. lineal	R7s	Max.200w	81,22	0,25	
506 02 20	Black	Halóg. lineal	R7s	Max.200w	90,51	0,25	
506 03 20	Gold	Halóg. lineal	R7s	Max.200w	90,51	0,25	
506 05 20	Chrome	Halóg. lineal	R7s	Max.200w	90,51	0,25	



Lartub track


Protection degree IP20

- Material:** Aluminium thermo painted.
Optics: Optics incorporated in the lamps.
Supply: Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
Lamps: The series of LARTUB lightings use dichroic halogen lamps, QR-111 and LED-111 lamps, suitable for domestic or commercial use and metal halide CDMR-111 lamps only recommended in public and/or commercial areas.
Installation: Directly on electrified track 220v.
Colours: White, black, matt chrome and titanium.



Lartub Track dichroic halogen


Includes adapter, transformer and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 1077 01 50	White	12v50w	GU5.3	50w	87,44	0,25
1077 02 50	Black	12v50w	GU5.3	50w	90,07	0,25
1077 52 50	Matt chrome	12v50w	GU5.3	50w	90,07	0,25
1077 90 50	Titanium	12v50w	GU5.3	50w	90,07	0,25

* Supplied in a standard manner with 36° opening lamp

Lartub Track reflective direct


Includes lamp LOW CONSUMPTION 11w GU-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 1077K 01	White	220v11w	GU-10	1x11w	87,96	0,25
1077K 02	Black	220v11w	GU-10	1x11w	90,60	0,25
1077K 52	Matt chrome	220v11w	GU-10	1x11w	90,60	0,25
1077K 90	Titanium	220v11w	GU-10	1x11w	90,60	0,25

* Supplied in a standard manner with 4000° K lamp

Lartub Track LED 7w


Includes adapter and LED lamp 7w

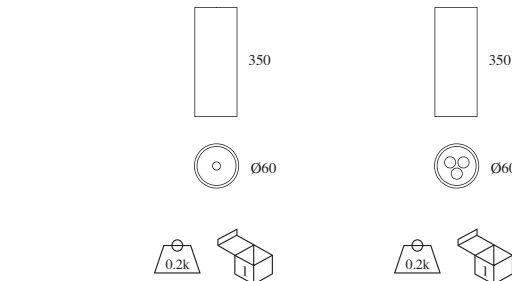
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 LED 1076 01 07	White	LED	GU-10	7w	142,80	0,25 0,20
1076 02 07	Black	LED	GU-10	7w	149,50	0,25 0,20
1076 52 07	Matt chrome	LED	GU-10	7w	149,50	0,25 0,20
1076 90 07	Titanium	LED	GU-10	7w	149,50	0,25 0,20

* Supplied in a standard manner with 3100° K dimmable lamp

Lartub LED 3w RGB track

Includes adapter, driver and MR16 LED RGB lamp


Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 LED 1076 01 03	White	LED	GU5.3	3w	138,84	0,25 0,20
1076 02 03	Black	LED	GU5.3	3w	143,00	0,25 0,20
1076 52 03	Matt chrome	LED	GU5.3	3w	143,00	0,25 0,20
1076 90 03	Titanium	LED	GU5.3	3w	143,00	0,25 0,20



Lartub Track LED 7,2w



Includes adapter, driver and LED lamp 7,2w

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
 LED 1076 01 09	White	LED	-	7,2w	213,02	0,25 0,20
1076 02 09	Black	LED	-	7,2w	219,41	0,25 0,20
1076 52 09	Matt chrome	LED	-	7,2w	219,41	0,25 0,20
1076 90 09	Titanium	LED	-	7,2w	219,41	0,25 0,20

* Supplied in a standard manner with 6000° K lamp

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Rough price increase of accesories		€
Ref. 3080	Controller MR16 LED RGB lamp	6,60


* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.





Lartub QR-111

Includes adapter, transformer and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
 1078 01 35	White	QR-111	G53	35w	162,53	0,25
1078 02 35	Black	QR-111	G53	35w	167,41	0,25
1078 52 35	Matt chrome	QR-111	G53	35w	167,41	0,25
1078 90 35	Titanium	QR-111	G53	35w	167,41	0,25
1078 01 50	White	QR-111	G53	50w	162,53	0,25
1078 02 50	Black	QR-111	G53	50w	167,41	0,25
1078 52 50	Matt chrome	QR-111	G53	50w	167,41	0,25
1078 90 50	Titanium	QR-111	G53	50w	167,41	0,25
1078 01 60	White	QR-111	G53	60w	169,12	0,25
1078 02 60	Black	QR-111	G53	60w	174,19	0,25
1078 52 60	Matt chrome	QR-111	G53	60w	174,19	0,25
1078 90 60	Titanium	QR-111	G53	60w	174,19	0,25
1078 01 75	White	QR-111	G53	75w	163,99	0,25
1078 02 75	Black	QR-111	G53	75w	168,91	0,25
1078 52 75	Matt chrome	QR-111	G53	75w	168,91	0,25
1078 90 75	Titanium	QR-111	G53	75w	168,91	0,25
1078 01 10	White	QR-111	G53	100w	163,99	0,25
1078 02 10	Black	QR-111	G53	100w	168,91	0,25
1078 52 10	Matt chrome	QR-111	G53	100w	168,91	0,25
1078 90 10	Titanium	QR-111	G53	100w	168,91	0,25


* Supplied in a standard manner with maximum lamp level.

OPTIONS

	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•		•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•
QR-111 100w		•	•	•

Lartub Track CDM-R 111

Includes adapter, transformer and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 1079 01 35	White	CDM-R 111	GX8.5	35w	293,23	0,25	0,30
1079 02 35	Black	CDM-R 111	GX8.5	35w	302,02	0,25	0,30
1079 52 35	Matt chrome	CDM-R 111	GX8.5	35w	302,02	0,25	0,30
1079 90 35	Titanium	CDM-R 111	GX8.5	35w	302,02	0,25	0,30
1079 01 70	White	CDM-R 111	GX8.5	70w	293,25	0,25	0,30
1079 02 70	Black	CDM-R 111	GX8.5	70w	302,04	0,25	0,30
1079 52 70	Matt chrome	CDM-R 111	GX8.5	70w	302,04	0,25	0,30
1079 90 70	Titanium	CDM-R 111	GX8.5	70w	302,04	0,25	0,30


* Supplied in a standard manner with 40° opening lamp

OPTIONS

	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Lartub Track LED-111

Includes adapter, driver and LED-111 lamp

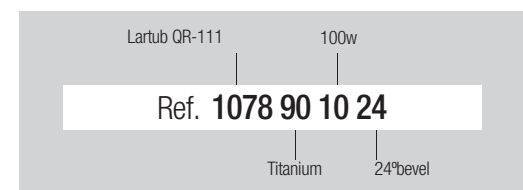
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
 1078L 01 35	White	LED-111	GU5.3	12w	264,09	0,25	0,20
1078L 02 35	Black	LED-111	GU5.3	12w	272,01	0,25	0,20
1078L 52 35	Matt chrome	LED-111	GU5.3	12w	272,01	0,25	0,20
1078L 90 35	Titanium	LED-111	GU5.3	12w	272,01	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

LED-111 OPTIONS

	Ref. 83	Ref. 84
IRC / Colour temperature	3100K°	4000°K
LED-111 12w	•	•

Example to write a reference with options



Spot R-63 track

Protection degree IP20

- Material:** Steel sheet thermo painted or electrolytic coat.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** It uses E-27 and R-63 lamps.
- Installation:** Directly connected to electrified track 220v.
- Colours:** White, black, gold, graphite and chrome.



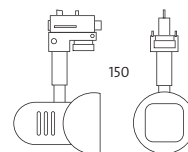
Includes adapter and lampholder

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
351 01	White	-	E-27	-	39,51	0,25
351 02	Black	-	E-27	-	41,14	0,25
351 03	Gold	-	E-27	-	41,14	0,25
351 04	Grafito	-	E-27	-	41,14	0,25
351 05	Cromado	-	E-27	-	41,14	0,25

Includes adapter and R-63 lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
351 01 60	White	R-63	E-27	60w	42,60	0,25
351 02 60	Black	R-63	E-27	60w	44,23	0,25
351 03 60	Gold	R-63	E-27	60w	44,23	0,25
351 04 60	Grafito	R-63	E-27	60w	44,23	0,25
351 05 60	Cromado	R-63	E-27	60w	44,23	0,25



Includes adapter and LED R-63 lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
351 01 06	White	LED	E-27	6w	96,67	0,25 0,20
351 02 06	Black	LED	E-27	6w	98,31	0,25 0,20
351 03 06	Gold	LED	E-27	6w	98,31	0,25 0,20
351 04 06	Grafito	LED	E-27	6w	98,31	0,25 0,20
351 05 06	Cromado	LED	E-27	6w	98,31	0,25 0,20

Bicolor for track / Spot R-63 track / Acces. track

Accesories for track



Aluminium track

Aluminium 3-circuit track, nokia system.

Ref.	Colour	Lenght	€
110 01	White	1 meter	40,85
110 02	Black	1 meter	40,85
110 52	Matt chrome	1 meter	47,92
111 01	White	2 meter	83,79
111 02	Black	2 meter	83,79
111 52	Matt chrome	2 meter	96,37



Electrical adapter

Ref.	Colour	€
112 01	White	13,97
112 02	Black	15,36
112 52	Matt chrome	15,36



Right and left power supply

Ref.	Colour	End	€
113 01	White	Right	15,26
113 02	Black	Right	16,78
113 52	Matt chrome	Right	16,78
114 01	White	Left	15,26
114 02	Black	Left	16,78
114 52	Matt chrome	Left	16,78



Mechanical adapter

Ref.	Colour	€
115 01	White	7,82
115 02	Black	8,61
115 52	Matt chrome	8,61



Intermediate joint

Ref.	Colour	€
116 01	White	12,71
116 02	Black	13,97
116 52	Matt chrome	13,97



Flexible elbow

Ref.	Colour	€
117 01	White	40,06
117 02	Black	40,06



Final cover

Ref.	Colour	€
119 01	White	1,26
119 02	Black	1,39
119 52	Matt chrome	1,39



Suspension 1200mm

Ref.	Colour	€
120 01	White	9,57
120 02	Black	9,57





Polivan

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Polivan Rectangular adjustable HQI	265



Tubyllum

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Ovaluz

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Lineliz

272

Other space systems



Base structure

Polivan frame base 1 meter (2 units)

Ref.	Colour	Lenght	€
1017 01	White	1 meter	140,69
1017 02	Black	1 meter	142,96
1017 90	Titanium	1 meter	142,96

Polivan frame base 2 meter (2 units)

Ref.	Colour	Lenght	€
1018 01	White	2 meter	280,98
1018 02	Black	2 meter	285,31
1018 90	Titanium	2 meter	285,31

Final cover base (unit)

Ref.	Colour	€
1020 01	White	13,18
1020 02	Black	13,49
1020 90	Titanium	13,49

Suspension cable

Ref.	Colour	Lenght	€
1023 01	White	1 meter	7,04
1023 02	Black	1 meter	7,04

(*) Each part of the structure needs one independent suspension

Suspension cable with electrical input (unit)

Ref.	Colour	Lenght	€
1024 01	White	2 meter	21,54
1024 02	Black	2 meter	21,54

Polivan

Protection degree IP20

Material: Extruded aluminium structure, modules made in steel sheet thermo painted.

Optics: Optics incorporated in most of de lamps. For PL-C, PL-T and HQI lamps, bright aluminium diffusers are incorporated.

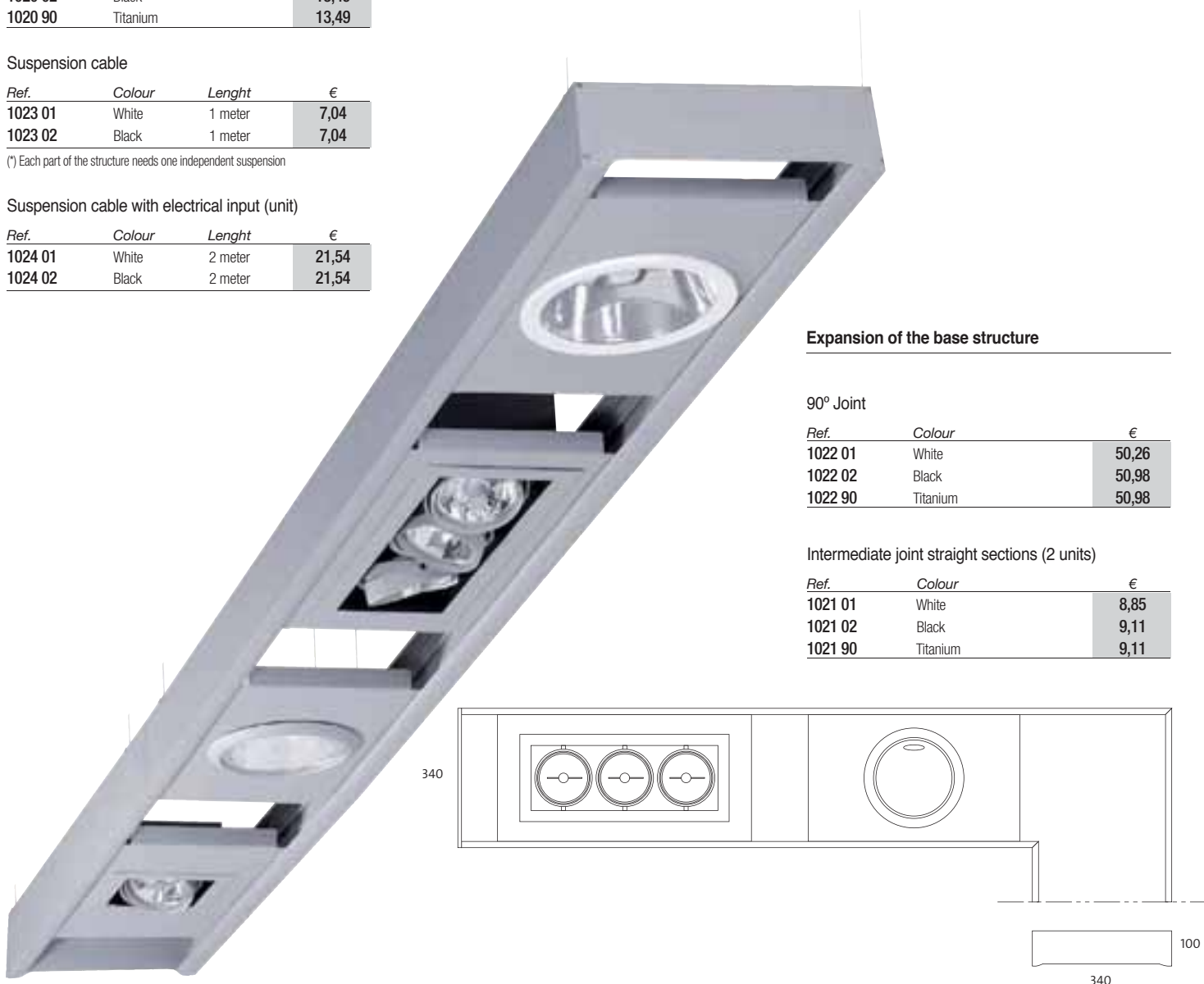
Supply: Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.

Lamps: Due to the versatility of the model Polivan, different light sources can be used, especially suitable for work areas and / or public areas.

- LED lamps.
- QR-111 lamps.
- Low consumption PL-C / PL-T.
- CDM-R 111 / CDM-TC lamps.
- HQI lamps.

Installation: Directly on ceiling with a suspension kit, standard version 1 meter length (screw not included).

Colours: White, black and titanium.



Expansion of the base structure

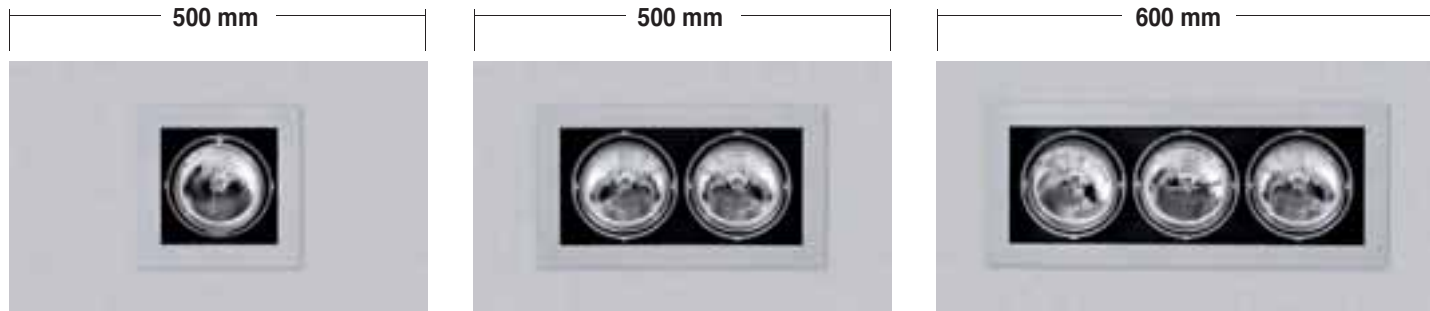
90° Joint

Ref.	Colour	€
1022 01	White	50,26
1022 02	Black	50,98
1022 90	Titanium	50,98

Intermediate joint straight sections (2 units)

Ref.	Colour	€
1021 01	White	8,85
1021 02	Black	9,11
1021 90	Titanium	9,11

Modules Polivan



Polivan Eurocom

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps. Each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models
- Lamps:** The series of Polivan Eurocom lightings use halogen QR-111 lamps and LED-111 lamps, suitable for domestic or commercial use.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and white totally.

Polivan Eurocom 2 lamps

Includes electronic transformer and lamps QR-111

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1034 02 35	Black int. ring	QR-111	G53	2x35w	182,10	0,50
1034 90 35	Titanium int. ring	QR-111	G53	2x35w	182,10	0,50
1034 02 50	Black int. ring	QR-111	G53	2x50w	182,10	0,50
1034 90 50	Titanium int. ring	QR-111	G53	2x50w	182,10	0,50
1034 02 60	Black int. ring	QR-111	G53	2x60w	192,40	0,50
1034 90 60	Titanium int. ring	QR-111	G53	2x60w	192,40	0,50
1034 02 75	Black int. ring	QR-111	G53	2x75w	182,10	0,50
1034 90 75	Titanium int. ring	QR-111	G53	2x75w	182,10	0,50
1034 02 10	Black int. ring	QR-111	G53	2x100w	182,10	0,50
1034 90 10	Titanium int. ring	QR-111	G53	2x100w	182,10	0,50

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1034L 02 12	Black int. ring	LED-111	G53	2x12w	374,09	0,25 0,40
1034L 90 12	Titanium int. ring	LED-111	G53	2x12w	374,09	0,25 0,40

* Supplied in a standard manner with 3100° K lamp

Polivan Eurocom 1 lamp

Includes electronic transformer and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1033 02 35	Black int. ring	QR-111	G53	35w	107,94	0,25
1033 90 35	Titanium int. ring	QR-111	G53	35w	107,94	0,25
1033 02 50	Black int. ring	QR-111	G53	50w	107,94	0,25
1033 90 50	Titanium int. ring	QR-111	G53	50w	107,94	0,25
1033 02 60	Black int. ring	QR-111	G53	60w	116,49	0,25
1033 90 60	Titanium int. ring	QR-111	G53	60w	116,49	0,25
1033 02 75	Black int. ring	QR-111	G53	75w	107,94	0,25
1033 90 75	Titanium int. ring	QR-111	G53	75w	107,94	0,25
1033 02 10	Black int. ring	QR-111	G53	100w	107,94	0,25
1033 90 10	Titanium int. ring	QR-111	G53	100w	107,94	0,25

* Supplied in a standard manner with maximum lamp bevel.

Includes driver and LED-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1033L 02 12	Black int. ring	LED-111	G53	12w	203,94	0,25 0,20
1033L 90 12	Titanium int. ring	LED-111	G53	12w	203,94	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Polivan Eurocom 3 lamps

Includes electronic transformer and QR-111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1035 02 35	Black int. ring	QR-111	G53	3x35w	260,38	0,50
1035 90 35	Titanium int. ring	QR-111	G53	3x35w	260,38	0,50
1035 02 50	Black int. ring	QR-111	G53	3x50w	260,38	0,50
1035 90 50	Titanium int. ring	QR-111	G53	3x50w	260,38	0,50
1035 02 60	Black int. ring	QR-111	G53	3x60w	267,80	0,50
1035 90 60	Titanium int. ring	QR-111	G53	3x60w	267,80	0,50
1035 02 75	Black int. ring	QR-111	G53	3x75w	260,38	0,50
1035 90 75	Titanium int. ring	QR-111	G53	3x75w	260,38	0,50
1035 02 10	Black int. ring	QR-111	G53	3x100w	260,38	0,50
1035 90 10	Titanium int. ring	QR-111	G53	3x100w	260,38	0,50

* Supplied in a standard manner with maximum lamp bevel.

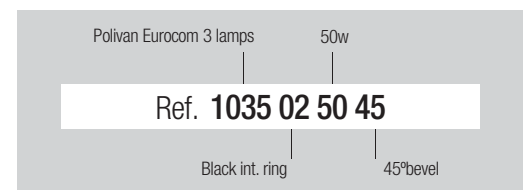
Includes driver and LED-111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1035L 02 12	Black int. ring	LED-111	G53	3x12w	548,37	0,25 0,60
1035L 90 12	Titanium int. ring	LED-111	G53	3x12w	548,37	0,25 0,60

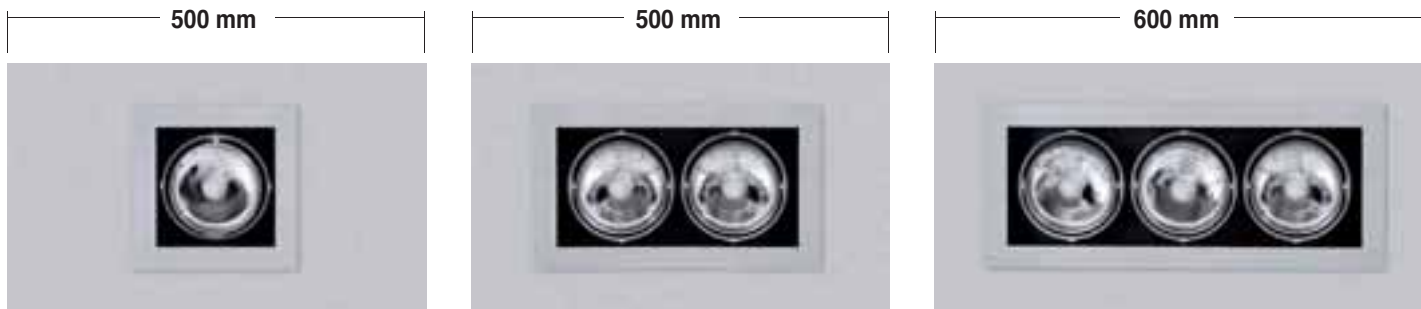
* Supplied in a standard manner with 3100° K lamp

OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Bevel	4°	8°	24°	45°
QR-111 35w	•	•	•	
QR-111 50w	•	•	•	
QR-111 60w		•	•	
QR-111 75w		•	•	•
QR-111 100w		•	•	•

Example to write a reference with options



Modules Polivan




Polivan Lecom CDM-R 111

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps, each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of Polivan Lecom CDMR 111 lightings use CDM-R 111 lamps only suitable in group facilities or commercial areas.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and white totally. .

Polivan Lecom CDM-R 111 2 lamps


Includes electronic transformer and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
 1040 02 35	Black int. ring	CDM-R	GX8.5	2x35w	709,25	0,50	0,60
1040 90 35	Titanium int. ring	CDM-R	GX8.5	2x35w	709,25	0,50	0,60
1040 02 70	Black int. ring	CDM-R	GX8.5	2x70w	732,63	0,50	0,60
1040 90 70	Titanium int. ring	CDM-R	GX8.5	2x70w	732,63	0,50	0,60

* Supplied in a standard manner with 40° opening lamp
 * Supplied in a standard manner with 3100° K lamp

Polivan Lecom CDM-R 111 1 lamp


Includes electronic transformer and CDM-R 111 lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
 1039 02 35	Black int. ring	CDM-R	GX8.5	35w	471,53	0,25	0,30
1039 90 35	Titanium int. ring	CDM-R	GX8.5	35w	471,53	0,25	0,30
1039 02 70	Black int. ring	CDM-R	GX8.5	70w	540,33	0,25	0,30
1039 90 70	Titanium int. ring	CDM-R	GX8.5	70w	540,33	0,25	0,30

* Supplied in a standard manner with 40° opening lamp
 * Supplied in a standard manner with 3100° K lamp

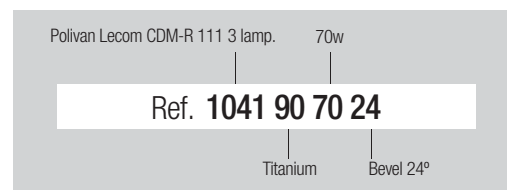
Polivan Lecom CDM-R 111 3 lamps

Includes electronic transformer and CDM-R 111 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
 1041 02 35	Black int. ring	CDM-R	GX8.5	3x35w	924,21	0,50	0,90
1041 90 35	Titanium int. ring	CDM-R	GX8.5	3x35w	924,21	0,50	0,90
1041 02 70	Black int. ring	CDM-R	GX8.5	3x70w	975,51	0,50	0,90
1041 90 70	Titanium int. ring	CDM-R	GX8.5	3x70w	975,51	0,50	0,90

* Supplied in a standard manner with 40° opening lamp
 * Supplied in a standard manner with 3100° K lamp

Example to write a reference with options



OPTIONS	Ref. 10	Ref. 24	Ref. 40
Bevel	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Modules Polivan




Polivan Lecom HQI

- Material:** Steel sheet and injected aluminium thermo painted.
- Optics:** Matt aluminium reflector with protection glass. Each lamp is independently adjustable with Cardam system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** The series of Polivan Lecom HQI lightings use HQI G12 lamps only suitable for commercial use, exhibition areas and group facilities.
- Options:** We can combine in the same lighting, different light sources.(For example: 2 HQI + 2 QR-111) Please consult.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** Outer trim in die-cast finished in titanium with black or titanium internal rings and white totally.

Polivan Lecom HQI 2 lamps


Includes electronic transformer, protection glass and HQI lamps

Ref.	Colour	Lamp	L/H	W	€	lum. ^{RAEE} lamp
 1037 02 35	Black int. ring	HQI	G-12	2x35w	454,74	0,50 0,60
1037 90 35	Titanium int. ring	HQI	G-12	2x35w	454,74	0,50 0,60
1037 02 70	Black int. ring	HQI	G-12	2x70w	454,74	0,50 0,60
1037 90 70	Titanium int. ring	HQI	G-12	2x70w	454,74	0,50 0,60
1037 02 15	Black int. ring	HQI	G-12	2x150w	470,79	0,50 0,60
1037 90 15	Titanium int. ring	HQI	G-12	2x150w	470,79	0,50 0,60

* Supplied in a standard manner with 4200° K lamp

Polivan Lecom HQI 1 lamp


Includes electronic transformer, protection glass and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	lum. ^{RAEE} lamp
 1036 02 35	Black int. ring	HQI	G-12	35w	234,63	0,25 0,30
1036 90 35	Titanium int. ring	HQI	G-12	35w	234,63	0,25 0,30
1036 02 70	Black int. ring	HQI	G-12	70w	234,63	0,25 0,30
1036 90 70	Titanium int. ring	HQI	G-12	70w	234,63	0,25 0,30
1036 02 15	Black int. ring	HQI	G-12	150w	242,64	0,25 0,30
1036 90 15	Titanium int. ring	HQI	G-12	150w	242,64	0,25 0,30

* Supplied in a standard manner with 4200° K lamp

Polivan Lecom HQI 3 lamps

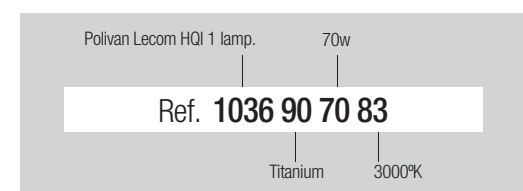
Includes electronic transformer, protection glass and HQI lamps

Ref.	Colour	Lamp	L/H	W	€	lum. ^{RAEE} lamp
 1038 02 35	Black int. ring	HQI	G-12	3x35w	661,46	0,50 0,90
1038 90 35	Titanium int. ring	HQI	G-12	3x35w	661,46	0,50 0,90
1038 02 70	Black int. ring	HQI	G-12	3x70w	661,46	0,50 0,90
1038 90 70	Titanium int. ring	HQI	G-12	3x70w	661,46	0,50 0,90
1038 02 15	Black int. ring	HQI	G-12	3x150w	685,54	0,50 0,90
1038 90 15	Titanium int. ring	HQI	G-12	3x150w	685,54	0,50 0,90

* Supplied in a standard manner with 4200° K lamp

Example to write a reference with options

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 35w	•	•
HQI 70w	•	•
HQI 150w	•	•



Modules Polivan

Polivan Zalín

LOW CONSUMPTION / LED

- Material:** Steel sheet thermo painted.
Optics: Highly-reflective aluminium reflector. It can be supplied with transparent protective internal glass (Ref. CTZ) or matt glass (Ref. CMZ) for an IP43 protection. (2x42 watts power should be installed without protective glass for an optimal thermal dissipation)
Supply: Equipments adapted to the type of lamp and to the power needed are included in all the models. Electronic ballast for PL lamps of 18 / 26 watts and PLT/E lamps of 32 / 42 watts. Optionally supplied with domotics sensors systems. (See the options of the table).
Lamps: It uses low consumption PL lamps of 18 / 26 watts and PLT/E lamps of 32 / 42 watts, suitable for domestic and commercial use.
Installation: Rapid installation on the Polivan structure. Interchangeable modules according to needs.
Colours: White, black, matt chrome and titanium.



Polivan Zalín 2 lamps

Includes electronic ballast and PL lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
1026 01 18 84	White	PL G24q-2	2x18w		112,06	0,50	0,40
1026 02 18 84	Black	PL G24q-2	2x18w		114,22	0,50	0,40
1026 52 18 84	Matt chrome	PL G24q-2	2x18w		114,22	0,50	0,40
1026 90 18 84	Titanium	PL G24q-2	2x18w		114,22	0,50	0,40
1026 01 26 84	White	PL G24q-3	2x26w		112,08	0,50	0,40
1026 02 26 84	Black	PL G24q-3	2x26w		114,24	0,50	0,40
1026 52 26 84	Matt chrome	PL G24q-3	2x26w		114,24	0,50	0,40
1026 90 26 84	Titanium	PL G24q-3	2x26w		114,24	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
1026 01 32 84	White	PLT/E GX24Q-3	2x32w		161,62	0,50	0,40
1026 02 32 84	Black	PLT/E GX24Q-3	2x32w		168,70	0,50	0,40
1026 52 32 84	Matt chrome	PLT/E GX24Q-3	2x32w		168,70	0,50	0,40
1026 90 32 84	Titanium	PLT/E GX24Q-3	2x32w		168,70	0,50	0,40
1026 01 42 84	White	PLT/E GX24Q-4	2x42w		161,64	0,50	0,40
1026 02 42 84	Black	PLT/E GX24Q-4	2x42w		168,72	0,50	0,40
1026 52 42 84	Matt chrome	PLT/E GX24Q-4	2x42w		168,72	0,50	0,40
1026 90 42 84	Titanium	PLT/E GX24Q-4	2x42w		168,72	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes driver and 2 LED lamps 14,4W

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
1026 01 14	White	LED G-24d-3	2x14,4w		216,04	0,50	0,40
1026 05 14	Chrome	LED G-24d-3	2x14,4w		218,20	0,50	0,40
1026 52 14	Matt chrome	LED G-24d-3	2x14,4w		218,20	0,50	0,40
1026 90 14	Titanium	LED G-24d-3	2x14,4w		218,20	0,50	0,40

* Supplied in a standard manner with 5400° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4000°K	6500°K
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

OPTIONS LED PL 14,4w*

IRC / Colour temperature	
Ref. 83	3300°K
Ref. 85	5400°K

(*) Made Osram Golden Dragon Plus LED.



Rough price increase of control gear		2x18/26w	2x32/42w
		€	€
Ref. AF	High factor	2.90	2.90
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	283.00
Ref. KE	Emergency kit	130.00	130.00

Rough price increase of accessories		€	
Ref. CTZ	Transparent glass inside	5,05	*
Ref. CMZ	Matt glass inside	5,25	*
Ref. CTMZS	Matt/Transparent surface glass	5,94	*
Ref. CTSZ	Transparent glass surface	5,94	*
Ref. CMSZ	Matt surface glass	5,94	*
Ref. CMTZS	Matt/Transparent suspension glass	7,52	*
Ref. WL	Wieland connector	16,30	

(*) About the 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

Modules Polivan

Polivan Ducto

LOW CONSUMPTION / LED

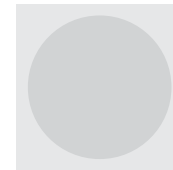
- Material:** Support made in steel sheet and injected zamak thermo painted.
- Optics:** Faceted aluminium reflector. It can be supplied with completely transparent protective glass (Ref. CTT), transparent protective glass with serigraphy (Ref. CT 494), matt glass (Ref. CM 494) or polycarbonate protection (Ref. CTP) for an IP43 protection.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models. Electronic ballast for PL lamps of 18 / 26 watts and PLT/E lamps of 32 / 42 watts. Optionally supplied with domotics sensors systems. (See the options of the table).
- Lamps:** It uses low consumption PL lamps of 18 / 26 watts and PLT/E lamps of 32 / 42 watts, suitable for domestic and commercial use.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** White, black, matt chrome and titanium.



Ref. **CTT**
Transparent glass.



Ref. **CT 494**
Transparent glass serigraphy



Ref. **CM 494**
Matt glass.



Ref. **CTP**
Polycarbonate protection

Polivan Ducto 2 lamps

Includes electronic ballast and PL lamps



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
1028 01 18 84	White	PL	G24q-2	2x18w	65,71	0,50	0,40
1028 02 18 84	Black	PL	G24q-2	2x18w	71,89	0,50	0,40
1028 52 18 84	Matt chrome	PL	G24q-2	2x18w	71,89	0,50	0,40
1028 90 18 84	Titanium	PL	G24q-2	2x18w	71,89	0,50	0,40
1028 01 26 84	White	PL	G24q-3	2x26w	65,73	0,50	0,40
1028 02 26 84	Black	PL	G24q-3	2x26w	71,79	0,50	0,40
1028 52 26 84	Matt chrome	PL	G24q-3	2x26w	71,79	0,50	0,40
1028 90 26 84	Titanium	PL	G24q-3	2x26w	71,79	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	RAEE lamp
1028 01 32 84	White	PLT/E	GX24Q-3	2x32w	109,59	0,50	0,40
1028 02 32 84	Black	PLT/E	GX24Q-3	2x32w	113,09	0,50	0,40
1028 52 32 84	Matt chrome	PLT/E	GX24Q-3	2x32w	113,09	0,50	0,40
1028 90 32 84	Titanium	PLT/E	GX24Q-3	2x32w	113,09	0,50	0,40
1028 01 42 84	White	PLT/E	GX24Q-4	2x42w	109,61	0,50	0,40
1028 02 42 84	Black	PLT/E	GX24Q-4	2x42w	113,11	0,50	0,40
1028 52 42 84	Matt chrome	PLT/E	GX24Q-3	2x42w	113,11	0,50	0,40
1028 90 42 84	Titanium	PLT/E	GX24Q-3	2x42w	113,11	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

		2x18/26w	2x32/42w
		€	€
<i>Rough price increase of control gear</i>			
Ref. AF	High factor	2.90	2.90
Ref. BR	Dimmable electronic ballast 1-10v	85.00	87.00
Ref. TD	Dimmable ballast Touch and Dim	85.00	87.00
Ref. CF	Lighting control system "master"	129.00	136.00
Ref. FP	Lighting sensor control system "master"	275.00	280.00
Ref. KE	Emergency kit	130.00	130.00

		€	
<i>Rough price increase of accesories</i>			
Ref. CTT	Transparent glass inside	4,36	*
Ref. CT494	Transparent glass with serigraphy	4,36	*
Ref. CM494	Matt glass	4,57	*
Ref. CTP	Polycarbonate protection	18,90	*
Ref. 1008	Darklight	11,90	
Ref. WL	Wieland connector	16,30	

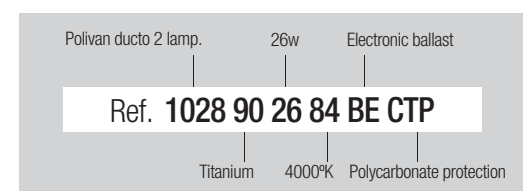
(*) About the 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.

		2 lamps
		€
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	104,00

(*) Made Osram Golden Dragon Plus LED.

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4000°K	6500°K
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

Example to write a reference with options



Modules Polivan

Polivan Efici

LOW CONSUMPTION / LED

- Material:** Support made in steel sheet. The luminary is manufactured entirely in polycarbonate.
- Optics:** Polycarbonate reflector optimized with lighting output simulation software. It can be supplied with darklight accessory (Ref. 1008), transparent protective glass (Ref. CTF) or matt glass (Ref. CMF) for an IP43 protection.
- Supply:** Electronic ballast, included. Optionally supplied with domotics sensors systems. (See the options of the table).
- Lamps:** It uses low consumption PL lamps lamps of 18 / 26 watts, PLR-ECO lamps of 14 / 17 watts and PLT/E lamps of 32 / 42 watts, suitable for domestic and commercial use.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** White, black and titanium.



Polivan Efici 2 lamps

Includes electronic ballast and PL lamps

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
1027 01 18 84	White	PL	G24q-2	2x18w	108,37	0,50	0,40
1027 02 18 84	Black	PL	G24q-2	2x18w	111,73	0,50	0,40
1027 90 18 84	Titanium	PL	G24q-2	2x18w	111,73	0,50	0,40
1027 01 26 84	White	PL	G24q-3	2x26w	108,39	0,50	0,40
1027 02 26 84	Black	PL	G24q-3	2x26w	111,75	0,50	0,40
1027 90 26 84	Titanium	PL	G24q-3	2x26w	111,75	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLR-ECO lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
1027 01 14 84	White	PLR	GR14q-1	2x14w	122,69	0,50	0,40
1027 02 14 84	Black	PLR	GR14q-1	2x14w	126,89	0,50	0,40
1027 90 14 84	Titanium	PLR	GR14q-1	2x14w	126,89	0,50	0,40
1027 01 17 84	White	PLR	GR14q-1	2x17w	122,71	0,50	0,40
1027 02 17 84	Black	PLR	GR14q-1	2x17w	126,91	0,50	0,40
1027 90 17 84	Titanium	PLR	GR14q-1	2x17w	126,91	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and PLT/E lamps

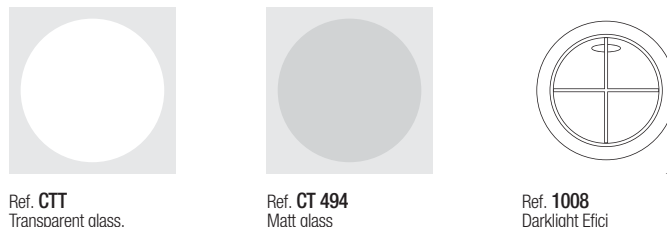
Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp
1027 01 32 84	White	PLT/E	GX24Q-3	2x32w	125,68	0,50	0,40
1027 02 32 84	Black	PLT/E	GX24Q-3	2x32w	129,26	0,50	0,40
1027 90 32 84	Titanium	PLT/E	GX24Q-3	2x32w	129,26	0,50	0,40
1027 01 42 84	White	PLT/E	GX24Q-4	2x42w	125,70	0,50	0,40
1027 02 42 84	Black	PLT/E	GX24Q-4	2x42w	129,28	0,50	0,40
1027 90 42 84	Titanium	PLT/E	GX24Q-4	2x42w	129,28	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Rough price increase of electronic ballast		2x13/14/17/18/26w	2x32/42w
		€	€
Ref. AF	High factor	2,90	2,90
Ref. BR	Dimmable electronic ballast 1-10v	87,00	87,00
Ref. TD	Dimmable ballast Touch and Dim	87,00	87,00
Ref. CF	Lighting control system "master"	136,00	136,00
Ref. FP	Lighting sensor control system "master"	283,00	283,00
Ref. KE	Emergency kit	130,00	130,00

Rough price increase of accessories		€	
Ref. CTF	Transparent glass efici	4,45	*
Ref. CMF	Matt glass efici	4,64	*
Ref. CTP	Polycarbonate protection	18,90	*
Ref. 1008	Darklight efici	11,90	
Ref. WL	Wieland connector	16,30	

(*) About the 2x42w we recommend to install the downlight without glass protector in order to allow a suitable heat dissipation.



Ref. **CTT**
Transparent glass.

Ref. **CT494**
Matt glass

Ref. **1008**
Darklight Efici

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature	2700°K	3000°K	4000°K	6500°K
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

Rough price increase of accessories		2 lamps
Ref. LED 83	PL lamp LED 14,4w - 3.300°K *	104,00
Ref. LED 85	PL lamp LED 14,4w - 5.500°K *	104,00

(*) Made Osram Golden Dragon Plus LED.

Example to write a reference with options

Polivan Efici 2 Lamp 42w Control de flujo

Ref. 1027 90 42 84 CF CT494

Titanium 4000°K Matt glass

Modules Polivan

Polivan

Polivan Ducto HQI

- Material:** Support in steel sheet and injected zamak thermo painted.
- Optics:** Aluminium reflector. It includes protection glass for an IP43 protection.
- Supply:** Electronic ballast adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses lineal metal halide HQI lamps of 70 and 150w, suitable for commercial and industrial areas.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** White, black and titanium.



Includes protection glass, transformer and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
1029 01 70	White	HQI	RX7s	1x70w	158,28	0,50	0,30
1029 02 70	Black	HQI	RX7s	1x70w	161,91	0,50	0,30
1029 90 70	Titanium	HQI	RX7s	1x70w	161,91	0,50	0,30
1030 01 15	White	HQI	RX7s	1x150w	168,46	0,50	0,30
1030 02 15	Black	HQI	RX7s	1x150w	173,77	0,50	0,30
1030 90 15	Titanium	HQI	RX7s	1x150w	173,77	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

Polivan Ledion

- Material:** Entirely made of aluminum casting.
- Optics:** Aluminum reflector. Includes protection glass for IP44.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** Led lamp Bridgelux (USA) 29W. Recommended for domestic, commercial and industrial use.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** White, black and titanium.



Includes protection glass, driver and PCB LED 30W

Ref.	Colour	Lamp	W	€	RAEE lum.
3370 01 30 86	White	LED	30w	279,51	0,25
3370 02 30 86	Black	LED	30w	285,59	0,25
3370 90 30 86	Titanium	LED	30w	285,59	0,25

* Supplied in a standard manner with 6500° K lamp

OPTIONS LED

	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•
Rough price increase of driver	€		
Ref. DR Dimmable driver 1 - 10v	112,90		
Ref. DRD Dimmable driver Dali	113,80		

Polivan Rectangular Adjustable HQI

- Material:** Steel sheet thermo painted.
- Optics:** Aluminium reflector. It can be supplied with protective glass for an IP42 protection. Adjustable system.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included.
- Lamps:** It uses lineal metal halide HQI lamps of 70 and 150w, suitable for commercial and industrial areas.
- Installation:** Rapid installation on the Polivan structure. Interchangeable modules according to needs.
- Colours:** White, black and titanium.



Includes protection glass, transformer and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
1031 01 70	White	HQI	RX7s	1x70w	167,18	0,50	0,30
1031 02 70	Black	HQI	RX7s	1x70w	169,52	0,50	0,30
1031 90 70	Titanium	HQI	RX7s	1x70w	169,52	0,50	0,30
1032 01 15	White	HQI	RX7s	1x150w	179,07	0,50	0,30
1032 02 15	Black	HQI	RX7s	1x150w	181,51	0,50	0,30
1032 90 15	Titanium	HQI	RX7s	1x150w	181,51	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•
HQI 150w	•	•

Includes protection glass, driver and PCB LED 29W

Ref.	Colour	Lamp	W	€	RAEE lum.
1031 01 29 86	White	LED	29w	282,10	0,50
1031 02 29 86	Black	LED	29w	287,60	0,50
1031 90 29 86	Titanium	LED	29w	287,60	0,50

* Supplied in a standard manner with 5000° K lamp

OPTIONS LED	Ref. 83	Ref. 85
IRC / Colour temperature	3500°K	5000°K
Cree 29w	•	•
Rough price increase of driver	€	
Ref. DR Dimmable driver 1 - 10v	112,90	
Ref. DRD Dimmable driver Dali	113,80	

Tubyllum

Protection degree IP20

- Material:** Extruded aluminium tubular shaped structure thermo painted.
- Optics:** Brightness aluminium reflector, included. Diffuser with a grid (Ref. R) or opal plastic diffuser (Ref. P).
- Supply:** Ballasts adapted to the type of lamp and to the power needed are included. It includes high factor.
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly on ceilings with a rigid suspension, adjustable height, direct or cable suspension.
- Colours:** White, black and matt chrome. Available in all the colours by request.

**Tubyllum Ø 50mm without diffuser**

Includes control gear (AF) and lamps T8 (without diffuser)

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TB 118/50 01 84	White	1x18W	1020	50	57,94	0,50 0,30
TB 118/50 02 84	Black	1x18W	1020	50	60,85	0,50 0,30
TB 118/50 52 84	Matt chrome	1x18W	1020	50	66,65	0,50 0,30
TB 136/50 01 84	White	1x36W	1630	50	71,44	0,50 0,30
TB 136/50 02 84	Black	1x36W	1630	50	75,01	0,50 0,30
TB 136/50 52 84	Matt chrome	1x36W	1630	50	82,15	0,50 0,30
TB 158/50 01 84	White	1x58W	2020	50	85,78	0,50 0,30
TB 158/50 02 84	Black	1x58W	2020	50	90,07	0,50 0,30
TB 158/50 52 84	Matt chrome	1x58W	2020	50	98,64	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Tubyllum Ø 50mm with a grid

Includes control gear (AF), lamp T8 and diffuser with a grid.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBR 118/50 01 84	White	1x18W	1020	50	64,93	0,50 0,30
TBR 118/50 02 84	Black	1x18W	1020	50	68,16	0,50 0,30
TBR 118/50 52 84	Matt chrome	1x18W	1020	50	74,66	0,50 0,30
TBR 136/50 01 84	White	1x36W	1630	50	82,79	0,50 0,30
TBR 136/50 02 84	Black	1x36W	1630	50	86,93	0,50 0,30
TBR 136/50 52 84	Matt chrome	1x36W	1630	50	95,21	0,50 0,30
TBR 158/50 01 84	White	1x58W	2020	50	99,08	0,50 0,30
TBR 158/50 02 84	Black	1x58W	2020	50	104,04	0,50 0,30
TBR 158/50 52 84	Matt chrome	1x58W	2020	50	104,66	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Tubyllum Ø 50mm opal diffuser

Includes control gear (AF), lamp T8 and opal diffuser.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBP 118/50 01 84	White	1x18W	1020	50	64,41	0,50 0,30
TBP 118/50 02 84	Black	1x18W	1020	50	67,64	0,50 0,30
TBP 118/50 52 84	Matt chrome	1x18W	1020	50	74,06	0,50 0,30
TBP 136/50 01 84	White	1x36W	1630	50	83,48	0,50 0,30
TBP 136/50 02 84	Black	1x36W	1630	50	87,63	0,50 0,30
TBP 136/50 52 84	Matt chrome	1x36W	1630	50	96,00	0,50 0,30
TBP 158/50 01 84	White	1x58W	2020	50	99,30	0,50 0,30
TBP 158/50 02 84	Black	1x58W	2020	50	104,26	0,50 0,30
TBP 158/50 52 84	Matt chrome	1x58W	2020	50	113,53	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Tubyllum Ø 50mm without diffuser - 1 lamp T8 LED

Includes driver and lamp T8 LED (without diffuser)

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TB 109/50 01 84	White	1x9W	1020	50	126,04	0,50 0,30
TB 109/50 02 84	Black	1x9W	1020	50	128,95	0,50 0,30
TB 109/50 52 84	Matt chrome	1x9W	1020	50	134,75	0,50 0,30
TB 115/50 01 84	White	1x15W	1630	50	177,54	0,50 0,30
TB 115/50 02 84	Black	1x15W	1630	50	181,11	0,50 0,30
TB 115/50 52 84	Matt chrome	1x15W	1630	50	188,25	0,50 0,30
TB 119/50 01 84	White	1x19W	2020	50	234,88	0,50 0,30
TB 119/50 02 84	Black	1x19W	2020	50	239,17	0,50 0,30
TB 119/50 52 84	Matt chrome	1x19W	2020	50	247,74	0,50 0,30

* Supplied in a standard manner with 5400° K lamp

Tubyllum Ø 50mm with a grid - 1 lamp T8 LED

Includes driver, lamp T8 LED and diffuser with a grid.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBR 109/50 01 84	White	1x9W	1020	50	133,03	0,50 0,30
TBR 109/50 02 84	Black	1x9W	1020	50	136,26	0,50 0,30
TBR 109/50 52 84	Matt chrome	1x9W	1020	50	142,76	0,50 0,30
TBR 115/50 01 84	White	1x15W	1630	50	188,89	0,50 0,30
TBR 115/50 02 84	Black	1x15W	1630	50	193,03	0,50 0,30
TBR 115/50 52 84	Matt chrome	1x15W	1630	50	201,31	0,50 0,30
TBR 119/50 01 84	White	1x19W	2020	50	248,18	0,50 0,30
TBR 119/50 02 84	Black	1x19W	2020	50	253,14	0,50 0,30
TBR 119/50 52 84	Matt chrome	1x19W	2020	50	253,76	0,50 0,30

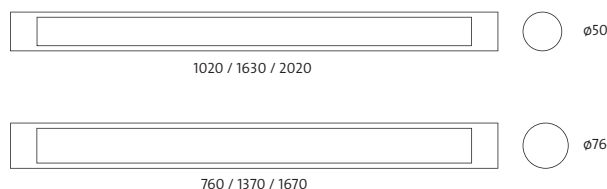
* Supplied in a standard manner with 5400° K lamp

Tubyllum Ø 50mm opal diffuser - 1 lamp T8 LED

Includes driver, lamp T8 LED and opal diffuser.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBP 109/50 01 84	White	1x9W	1020	50	132,51	0,50 0,30
TBP 109/50 02 84	Black	1x9W	1020	50	135,74	0,50 0,30
TBP 109/50 52 84	Matt chrome	1x9W	1020	50	142,16	0,50 0,30
TBP 115/50 01 84	White	1x15W	1630	50	189,58	0,50 0,30
TBP 115/50 02 84	Black	1x15W	1630	50	193,75	0,50 0,30
TBP 115/50 52 84	Matt chrome	1x15W	1630	50	202,10	0,50 0,30
TBP 119/50 01 84	White	1x19W	2020	50	248,40	0,50 0,30
TBP 119/50 02 84	Black	1x19W	2020	50	253,36	0,50 0,30
TBP 119/50 52 84	Matt chrome	1x19W	2020	50	262,63	0,50 0,30

* Supplied in a standard manner with 5400° K lamp



Tubyllum Ø 76mm without diffuser

Includes control gear (AF) and lamps T8 (without diffuser)

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBE 118/76 01 84	White	1x18W	760	76	59,48	0,50 0,30
TBE 118/76 02 84	Black	1x18W	760	76	65,43	0,50 0,30
TBE 118/76 52 84	Matt chrome	1x18W	760	76	68,39	0,50 0,30
TBE 136/76 01 84	White	1x36W	1370	76	75,36	0,50 0,30
TBE 136/76 02 84	Black	1x36W	1370	76	79,12	0,50 0,30
TBE 136/76 52 84	Matt chrome	1x36W	1370	76	86,65	0,50 0,30
TBE 158/76 01 84	White	1x58W	1670	76	90,30	0,50 0,30
TBE 158/76 02 84	Black	1x58W	1670	76	94,80	0,50 0,30
TBE 158/76 52 84	Matt chrome	1x58W	1670	76	103,83	0,50 0,30
TB 218/76 01 84	White	2x18W	760	76	75,00	0,50 0,60
TB 218/76 02 84	Black	2x18W	760	76	78,75	0,50 0,60
TB 218/76 52 84	Matt chrome	2x18W	760	76	86,25	0,50 0,60
TB 236/76 01 84	White	2x36W	1370	76	97,77	0,50 0,60
TB 236/76 02 84	Black	2x36W	1370	76	103,62	0,50 0,60
TB 236/76 52 84	Matt chrome	2x36W	1370	76	112,43	0,50 0,60
TB 258/76 01 84	White	2x58W	1670	76	118,07	0,50 0,60
TB 258/76 02 84	Black	2x58W	1670	76	123,98	0,50 0,60
TB 258/76 52 84	Matt chrome	2x58W	1670	76	135,78	0,50 0,60

* Supplied in a standard manner with 4200° K lamp

Tubyllum Ø 76mm with a grid

Includes control gear (AF), lamp T8 and diffuser with a grid.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBER 118/76 01 84	White	1x18W	760	76	67,32	0,50 0,30
TBER 118/76 02 84	Black	1x18W	760	76	70,67	0,50 0,30
TBER 118/76 52 84	Matt chrome	1x18W	760	76	77,35	0,50 0,30
TBER 136/76 01 84	White	1x36W	1370	76	88,79	0,50 0,30
TBER 136/76 02 84	Black	1x36W	1370	76	93,22	0,50 0,30
TBER 136/76 52 84	Matt chrome	1x36W	1370	76	102,11	0,50 0,30
TBER 158/76 01 84	White	1x58W	1670	76	107,19	0,50 0,30
TBER 158/76 02 84	Black	1x58W	1670	76	112,54	0,50 0,30
TBER 158/76 52 84	Matt chrome	1x58W	1670	76	123,16	0,50 0,30
TBR 218/76 01 84	White	2x18W	760	76	82,95	0,50 0,60
TBR 218/76 02 84	Black	2x18W	760	76	87,09	0,50 0,60
TBR 218/76 52 84	Matt chrome	2x18W	760	76	95,39	0,50 0,60
TBR 236/76 01 84	White	2x36W	1370	76	111,20	0,50 0,60
TBR 236/76 02 84	Black	2x36W	1370	76	116,76	0,50 0,60
TBR 236/76 52 84	Matt chrome	2x36W	1370	76	127,88	0,50 0,60
TBR 258/76 01 84	White	2x58W	1670	76	134,97	0,50 0,60
TBR 258/76 02 84	Black	2x58W	1670	76	141,70	0,50 0,60
TBR 258/76 52 84	Matt chrome	2x58W	1670	76	155,20	0,50 0,60

* Supplied in a standard manner with 4200° K lamp

Tubyllum Ø 76mm without diffuser - 1 lamp T8 LED

Includes driver and lamp T8 LED (without diffuser)

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBE 109/76 01 84	White	1x9W	760	76	127,58	0,50 0,30
TBE 109/76 02 84	Black	1x9W	760	76	135,53	0,50 0,30
TBE 109/76 52 84	Matt chrome	1x9W	760	76	136,49	0,50 0,30
TBE 115/76 01 84	White	1x15W	1370	76	181,46	0,50 0,30
TBE 115/76 02 84	Black	1x15W	1370	76	185,22	0,50 0,30
TBE 115/76 52 84	Matt chrome	1x15W	1370	76	192,75	0,50 0,30
TBE 119/76 01 84	White	1x19W	1670	76	239,40	0,50 0,30
TBE 119/76 02 84	Black	1x19W	1670	76	243,90	0,50 0,30
TBE 119/76 52 84	Matt chrome	1x19W	1670	76	252,93	0,50 0,30
TB 209/76 01 84	White	2x9W	760	76	211,20	0,50 0,60
TB 209/76 02 84	Black	2x9W	760	76	214,95	0,50 0,60
TB 209/76 52 84	Matt chrome	2x9W	760	76	222,45	0,50 0,60
TB 215/76 01 84	White	2x15W	1370	76	309,97	0,50 0,60
TB 215/76 02 84	Black	2x15W	1370	76	315,82	0,50 0,60
TB 215/76 52 84	Matt chrome	2x15W	1370	76	324,63	0,50 0,60
TB 219/76 01 84	White	2x19W	1670	76	416,27	0,50 0,60
TB 219/76 02 84	Black	2x19W	1670	76	422,18	0,50 0,60
TB 219/76 52 84	Matt chrome	2x19W	1670	76	433,98	0,50 0,60

* Supplied in a standard manner with 5400° K lamp

Tubyllum Ø 76mm with a grid - 1 lamp T8 LED

Includes driver, lamp T8 LED and diffuser with a grid.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBER 109/76 01 84	White	1x9W	760	76	132,51	0,50 0,30
TBER 109/76 02 84	Black	1x9W	760	76	138,74	0,50 0,30
TBER 109/76 52 84	Matt chrome	1x9W	760	76	145,45	0,50 0,30
TBER 115/76 01 84	White	1x15W	1370	76	194,89	0,50 0,30
TBER 115/76 02 84	Black	1x15W	1370	76	199,32	0,50 0,30
TBER 115/76 52 84	Matt chrome	1x15W	1370	76	208,21	0,50 0,30
TBER 119/76 01 84	White	1x19W	1670	76	256,29	0,50 0,30
TBER 119/76 02 84	Black	1x19W	1670	76	261,64	0,50 0,30
TBER 119/76 52 84	Matt chrome	1x19W	1670	76	272,26	0,50 0,30
TBR 209/76 01 84	White	2x9W	760	76	219,15	0,50 0,60
TBR 209/76 02 84	Black	2x9W	760	76	223,29	0,50 0,60
TBR 209/76 52 84	Matt chrome	2x9W	760	76	231,59	0,50 0,60
TBR 215/76 01 84	White	2x15W	1370	76	323,40	0,50 0,60
TBR 215/76 02 84	Black	2x15W	1370	76	328,98	0,50 0,60
TBR 215/76 52 84	Matt chrome	2x15W	1370	76	340,08	0,50 0,60
TBR 219/76 01 84	White	2x19W	1670	76	433,17	0,50 0,60
TBR 219/76 02 84	Black	2x19W	1670	76	439,90	0,50 0,60
TBR 219/76 52 84	Matt chrome	2x19W	1670	76	453,40	0,50 0,60

* Supplied in a standard manner with 5400° K lamp

Tubyllum Ø 76mm opal diffuser

Includes control gear (AF), lamp T8 and opal diffuser.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBEP 118/76 01 84	White	1x18W	760	76	66,92	0,50 0,30
TBEP 118/76 02 84	Black	1x18W	760	76	70,27	0,50 0,30
TBEP 118/76 52 84	Matt chrome	1x18W	760	76	76,97	0,50 0,30
TBEP 136/76 01 84	White	1x36W	1370	76	89,33	0,50 0,30
TBEP 136/76 02 84	Black	1x36W	1370	76	93,79	0,50 0,30
TBEP 136/76 52 84	Matt chrome	1x36W	1370	76	102,72	0,50 0,30
TBEP 158/76 01 84	White	1x58W	1670	76	108,09	0,50 0,30
TBEP 158/76 02 84	Black	1x58W	1670	76	113,48	0,50 0,30
TBEP 158/76 52 84	Matt chrome	1x58W	1670	76	124,31	0,50 0,30
TBP 218/76 01 84	White	2x18W	760	76	82,56	0,50 0,60
TBP 218/76 02 84	Black	2x18W	760	76	86,69	0,50 0,60
TBP 218/76 52 84	Matt chrome	2x18W	760	76	94,95	0,50 0,60
TBP 236/76 01 84	White	2x36W	1370	76	111,74	0,50 0,60
TBP 236/76 02 84	Black	2x36W	1370	76	117,32	0,50 0,60
TBP 236/76 52 84	Matt chrome	2x36W	1370	76	128,50	0,50 0,60
TBP 258/76 01 84	White	2x58W	1670	76	135,87	0,50 0,60
TBP 258/76 02 84	Black	2x58W	1670	76	142,66	0,50 0,60
TBP 258/76 52 84	Matt chrome	2x58W	1670	76	156,25	0,50 0,60

* Supplied in a standard manner with 4200° K lamp

T8 OPTIONS	Ref. 83	Ref. 84	Ref. 86
IRC / Colour temperature	3000°K	4200°K	6500°K
T8 18w / 36w / 58w	•	•	•

Tubyllum Ø 76mm opal diffuser - 1 lamp T8 LED

Includes driver, lamp T8 LED and opal diffuser.

Ref.	Colour	W	Measures	Ø Tube	€	RAEE lum. lamp
TBEP 109/76 01 84	White	1x9W	760	76	135,02	0,50 0,30
TBEP 109/76 02 84	Black	1x9W	760	76	138,37	0,50 0,30
TBEP 109/76 52 84	Matt chrome	1x9W	760	76	145,07	0,50 0,30
TBEP 115/76 01 84	White	1x15W	1370	76	195,43	0,50 0,30
TBEP 115/76 02 84	Black	1x15W	1370	76	199,85	0,50 0,30
TBEP 115/76 52 84	Matt chrome	1x15W	1370	76	208,82	0,50 0,30
TBEP 119/76 01 84	White	1x19W	1670	76	257,10	0,50 0,30
TBEP 119/76 02 84	Black	1x19W	1670	76	262,90	0,50 0,30
TBEP 119/76 52 84	Matt chrome	1x19W	1670	76	273,41	0,50 0,30
TBP 209/76 01 84	White	2x9W	760	76	218,76	0,50 0,60
TBP 209/76 02 84	Black	2x9W	760	76	222,82	0,50 0,60
TBP 209/76 52 84	Matt chrome	2x9W	760	76	231,15	0,50 0,60
TBP 215/76 01 84	White	2x15W	1370	76	323,99	0,50 0,60
TBP 215/76 02 84	Black	2x15W	1370	76	329,52	0,50 0,60
TBP 215/76 52 84	Matt chrome	2x15W	1370	76	340,70	0,50 0,60
TBP 219/76 01 84	White	2x19W	1670	76	434,07	0,50 0,60
TBP 219/76 02 84	Black	2x19W	1670	76	440,86	0,50 0,60
TBP 219/76 52 84	Matt chrome	2x19W	1670	76	454,45	0,50 0,60

* Supplied in a standard manner with 5400° K lamp

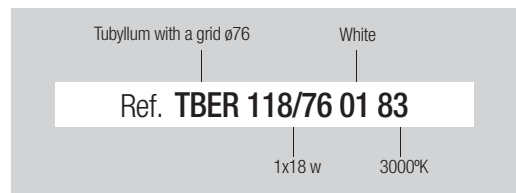
T8 LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
T8 LED 9w / 15w / 19w	•	•	•

Rough price increase of control gear Ø 76 mm	€	1 Lamp	2 Lamp
Ref. BE Electronic ballast		19.90	28.00
Ref. BR Dimmable electronic ballast 1-10v		68.80	80.00
Ref. TD Dimmable ballast Touch and Dim		69.60	85.00
Ref. CF Lighting control system "master"		120.00	130.00
Ref. FP Lighting sensor control system "master"		219.90	235.00
Ref. KE Emergency kit	110.00		

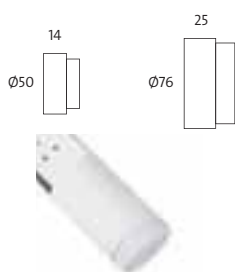
Rough price increase of accessories	€
Ref. WL Wieland connector	16.30

* It can be supplied in different colours with one increase of 15% on the price of the white version.

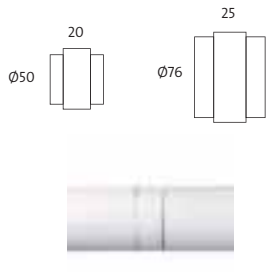
Example to write a reference with options



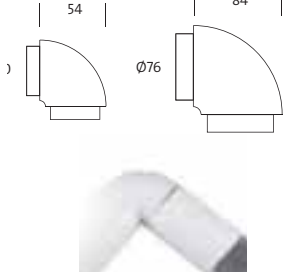
Tubyllum accesories



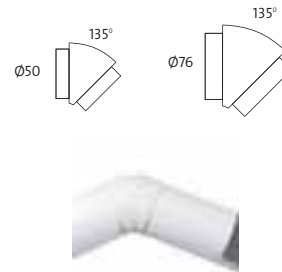
Ref.	Colour	ø Tube	€
TF 50 01	White	50	4,35
TF 50 02	Black	50	4,35
TF 76 01	White	76	5,11
TF 76 02	Black	76	5,11



Ref.	Colour	ø Tube	€
UI 50 01	White	50	5,84
UI 50 02	Black	50	5,84
UI 76 01	White	76	6,77
UI 76 02	Black	76	6,77

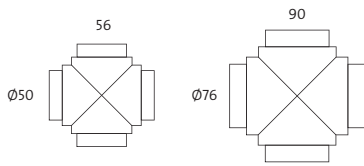


Ref.	Colour	ø Tube	€
U 90 50 01	White	50	8,40
U 90 50 02	Black	50	8,40
U 90 76 01	White	76	10,69
U 90 76 02	Black	76	10,69



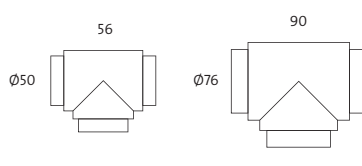
Ref.	Colour	ø Tube	€
U 135 50 01	White	50	8,76
U 135 50 02	Black	50	8,76
U 135 76 01	White	76	13,71
U 135 76 02	Black	76	13,71

Tubyllum



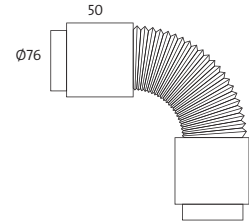
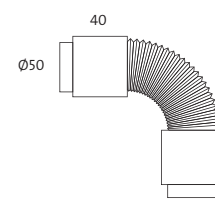
90° Cross joint Tubyllum

Ref.	Colour	ø Tube	€
UC 50 01	White	50	19,68
UC 50 02	Black	50	19,68
UC 76 01	White	76	20,41
UC 76 02	Black	76	20,41



T 90° Joint Tubyllum

Ref.	Colour	ø Tube	€
UT 50 01	White	50	19,68
UT 50 02	Black	50	19,68
UT 76 01	White	76	20,41
UT 76 02	Black	76	20,41



Flexible joint Tubyllum

Ref.	Colour	ø Tube	€
UF 50 01	White	50	20,89
UF 50 02	Black	50	20,89
UF 76 01	White	76	26,55
UF 76 02	Black	76	26,55



Direct suspension aluminium

Ref.	€
SD	3,91



Direct suspension

Ref.	Colour	€
SF 01	White	6,13
SF 02	Black	6,13



Suspension cable polycarbonate
1000mm

Ref.	Colour	Height mm	€
SC/01	White	1000	5,76
SC/02	Black	1000	5,76



Rigid suspension

Ref.	Colour	h/ mm	€
SR 100 01	White	100	4,24
SR 100 02	White	100	4,24
SR 250 01	White	250	5,43
SR 250 02	White	250	5,43
SR 500 01	White	500	6,92
SR 500 02	White	500	6,92
SR 1000 01	White	1000	9,18
SR 1000 02	White	1000	9,18



Mains connected suspension

Ref.	Colour	Height mm	€
SCC 01	White	max. 1000	19,81
SCC 02	Black	max. 1000	19,81



Adjustable height suspension

Ref.	Colour	Height mm	€
SHV 01	White	max. 1000	22,12
SHV 02	Black	max. 1000	22,12



Suspension aluminium 1000mm

Ref.	Height mm	€
SCB	1000	5,50

Ovaluz

Protection degree IP20

- Material:** Extruded aluminium tubular shaped structure thermo painted.
- Optics:** Brightness aluminium reflector, included. Diffuser with a grid (Ref. R) or opal plastic diffuser (Ref. P).
- Supply:** Ballasts adapted to the type of lamp and to the power needed are included. It includes high factor.
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly on ceilings with a rigid suspension, adjustable height, direct or cable suspension.
- Colours:** White, black and matt chrome. Available in all the colours by request.



Ovaluz with a grid de lamas



Ovaluz opal diffuser

Includes control gear (AF) and lamps 840 (without diffuser)

Ref.	Colour	W	Measures	€	RAEE	
					lum	Lamp
OVR 118 01 84	White	1x18W	750	86,92	0,50	0,30
OVR 136 01 84	White	1x36W	1370	120,13	0,50	0,30
OVR 158 01 84	White	1x58W	1650	145,29	0,50	0,30
OVR 218 01 84	White	2x18W	750	104,20	0,50	0,60
OVR 236 01 84	White	2x36W	1370	139,58	0,50	0,60
OVR 258 01 84	White	2x58W	1650	171,05	0,50	0,60

* Supplied in a standard manner with 4200° K lamp

Includes control gear (AF), diffuser with a grid and lamps 840

Ref.	Colour	W	Measures	€	RAEE	
					lum	Lamp
OVR 118 01 84	White	1x18W	750	94,57	0,50	0,30
OVR 136 01 84	White	1x36W	1370	132,57	0,50	0,30
OVR 158 01 84	White	1x58W	1650	160,82	0,50	0,30
OVR 218 01 84	White	2x18W	750	111,86	0,50	0,60
OVR 236 01 84	White	2x36W	1370	152,00	0,50	0,60
OVR 258 01 84	White	2x58W	1650	185,87	0,50	0,60

* Supplied in a standard manner with 4200° K lamp

Includes control gear (AF), opal diffuser and lamps 840

Ref.	Colour	W	Measures	€	RAEE	
					lum	Lamp
OVP 118 01 84	White	1x18W	750	106,99	0,50	0,30
OVP 136 01 84	White	1x36W	1370	157,14	0,50	0,30
OVP 158 01 84	White	1x58W	1650	193,92	0,50	0,30
OVP 218 01 84	White	2x18W	750	124,29	0,50	0,60
OVP 236 01 84	White	2x36W	1370	176,58	0,50	0,60
OVP 258 01 84	White	2x58W	1650	218,97	0,50	0,60

* Supplied in a standard manner with 4200° K lamp

OPTIONS T8	Ref. 83	Ref. 84	Ref. 86
IRC / Colour temperature	3000°K	4200°K	6500°K
T8 18w / 36w / 58w	•	•	•

Includes driver and lamp T8 LED (without diffuser)

Ref.	Colour	W	Measures	€	RAEE	
					lum	Lamp
OVR 109 01 84	White	1x9W	750	155,02	0,50	0,30
OVR 115 01 84	White	1x15W	1370	226,23	0,50	0,30
OVR 119 01 84	White	1x19W	1650	320,15	0,50	0,30
OVR 209 01 84	White	2x9W	750	240,40	0,50	0,60
OVR 215 01 84	White	2x15W	1370	351,78	0,50	0,60
OVR 219 01 84	White	2x19W	1650	469,25	0,50	0,60

* Supplied in a standard manner with 5400° K lamp

Includes driver, lamp T8 LED and diffuser with a grid.

Ref.	Colour	W	Measures	€	RAEE	
					lum	Lamp
OVR 109 01 84	White	1x9W	750	162,67	0,50	0,30
OVR 115 01 84	White	1x15W	1370	238,67	0,50	0,30
OVR 119 01 84	White	1x19W	1650	309,92	0,50	0,30
OVR 209 01 84	White	2x9W	750	248,06	0,50	0,60
OVR 215 01 84	White	2x15W	1370	364,20	0,50	0,60
OVR 219 01 84	White	2x19W	1650	484,07	0,50	0,60

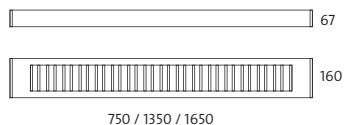
* Supplied in a standard manner with 5400° K lamp

Includes driver, lamp T8 LED and opal diffuser.

Ref.	Colour	W	Measures	€	RAEE	
					lum	Lamp
OVP 109 01 84	White	1x9W	750	175,09	0,50	0,30
OVP 115 01 84	White	1x15W	1370	263,24	0,50	0,30
OVP 119 01 84	White	1x19W	1650	343,02	0,50	0,30
OVP 209 01 84	White	2x9W	750	260,49	0,50	0,60
OVP 215 01 84	White	2x15W	1370	388,76	0,50	0,60
OVP 219 01 84	White	2x19W	1650	517,17	0,50	0,60

* Supplied in a standard manner with 5400° K lamp

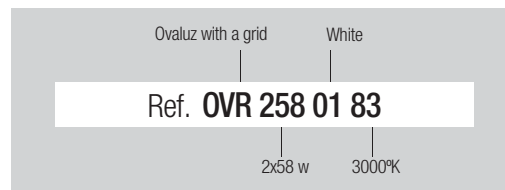
OPTIONS T8 LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
T8 LED 9w / 15w / 19w	•	•	•



750 / 1350 / 1650



Example to write a reference with options



* It can be supplied in different colours with one increase of 15% on the price of the white version.

		1 Lamp	2 Lamp
Rough price increase of transformer respecto al control gear. €			
Ref. BE	Electronic ballast	19.90	28.00
Ref. BR	Dimmable electronic ballast 1-10v	68.80	80.00
Ref. TD	Dimmable ballast Touch and Dim	69.60	85.00
Ref. CF	Lighting control system "master"	120.00	130.00
Ref. FP	Lighting sensor control system "master"	219.90	235.00
Ref. KE	Emergency kit	110.00	

Rough price increase of accessories		€
Ref. WL	Wieland connector	16.30

Ovaluz accessories



Final cover Ovaluz

Ref.	€
TF/OV	3,93



Intermediate joint Ovaluz 2 units

Ref.	€
UI/OV	1,77



90° Joint Ovaluz

Ref.	€
U90/OV	27,30



T 90° Joint Ovaluz

Ref.	€
UT/OV	36,46



90° Cross joint Ovaluz

Ref.	€
UC/OV	44,37



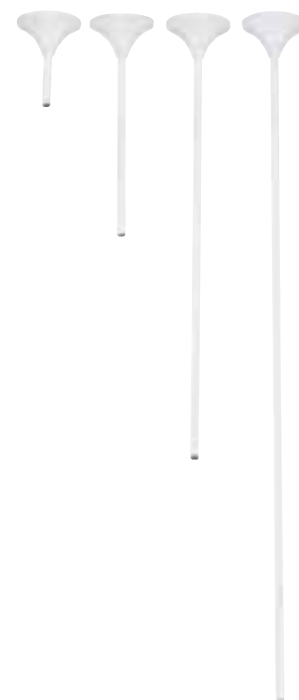
Flexible joint Ovaluz

Ref.	€
UF/OV	30,17



Ceiling support 2TF Ovaluz

Ref.	Situation	€
SP/OV	external	17,79
SP/OV	inside	23,46



Rigid suspension Ovaluz

Ref.	Height mm	€
SR 100/OV	100	4,71
SR 250/OV	250	6,26
SR 500/OV	500	8,85
SR 1000/OV	100	10,23



Adjustable height suspension Ovaluz

Ref.	Height mm	€
SHR/OV	max. 1000	20,80



Suspension cable aluminium Ovaluz

Ref.	Height mm	€
SCBA/OV	1000	6,47



Mains connected suspension Ovaluz

Ref.	Height mm	€
SCC/OV	max. 1000	20,80



Suspension cable polycarbonate

Ref.	Height mm	€
SC/OV	1000	5,44



Direct suspension aluminium Ovaluz

Ref.	€
SD/OV	4,39



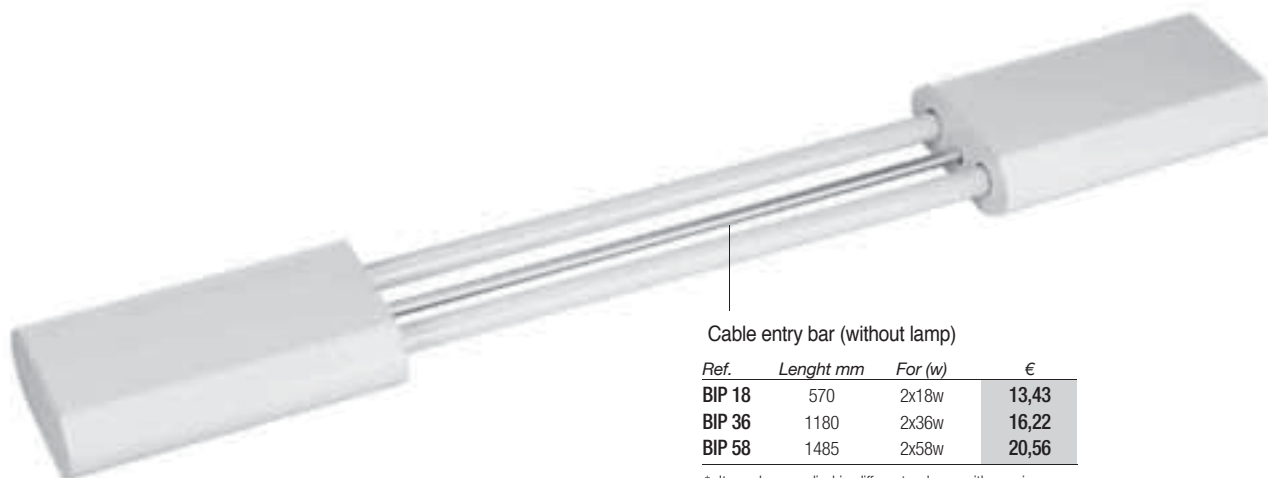
Direct suspension Ovaluz

Ref.	€
SF/OV	6,13

Lineliz

Protection degree IP20

- Material:** Extruded aluminium structure thermo painted.
- Optics:** Fluorescent tubes on sight.
- Supply:** Ballasts adapted to the type of lamp and to the power needed are included. It includes high factor.
- Installation:** Directly on ceilings with a rigid suspension, adjustable height, direct or cable suspension.
- Colours:** White.



Cable entry bar (without lamp)

Ref.	Lenght mm	For (w)	€
BIP 18	570	2x18w	13,43
BIP 36	1180	2x36w	16,22
BIP 58	1485	2x58w	20,56

* It can be supplied in different colours with one increase of 15% on the price of the white version.

Joints



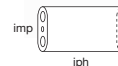
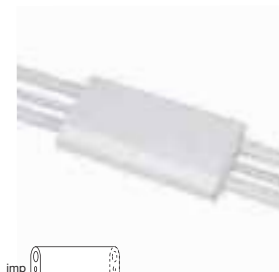
Linear final without control gear

Ref.	€
BIA	46,16



Linear inicial

Ref.	W(A)	€
BIA / A18	2x18w	64,77
BIA / A36	2x36w	64,77
BIA / A58	2x58w	73,93



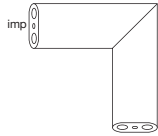
Intermediate linear without control gear

Ref.	€
BIB	54,29



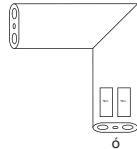
Intermediate joint linear

Ref.	W(C)	€
BIB / C18	2x18w	74,21
BIB / C36	2x36w	74,21
BIB / C58	2x58w	84,34



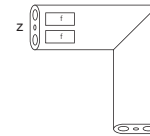
90° Joint without control gear

Ref.	€
BIC	87,15



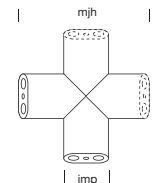
90° Joint

Ref.	W(B)	€
BID / B18	2x18w	111,55
BID / B36	2x36w	111,55
BID / B58	2x58w	115,85



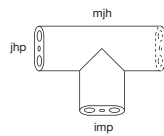
90° Joint

Ref.	W(A)	€
BIC / A18	2x18w	111,55
BIC / A36	2x36w	111,55
BIC / A58	2x58w	115,85



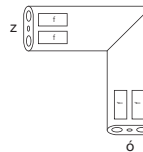
90° Cross without control gear

Ref.	€
BIL	154,36



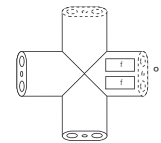
T 90° Joint without control gear

Ref.	€
BIF	109,51



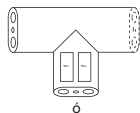
90°A-B (2x) Joint

Ref.	W(A)	W(B)	€
BIE / A18B18	18w	18w	149,62
BIE / A18B36	18w	36w	149,62
BIE / A18B58	18w	58w	150,09
BIE / A36B18	36w	18w	149,62
BIE / A36B36	36w	36w	149,62
BIE / A36B58	36w	58w	150,09
BIE / A58B18	58w	18w	150,09
BIE / A58B36	58w	36w	150,09
BIE / A58B58	58w	58w	150,09



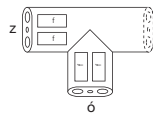
90° Cross

Ref.	W(C)	€
BIL / C18	2x18w	178,72
BIL / C36	2x36w	189,24
BIL / C58	2x58w	210,67



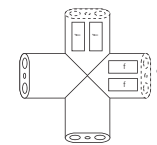
T 90°B Joint

Ref.	W(B)	€
BIF / B18	2x18w	145,89
BIF / B36	2x36w	145,89
BIF / B58	2x58w	151,88



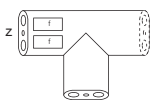
T 90° A-B (2x) Joint

Ref.	W(A)	W(B)	€
BIH / A18B18	18w	18w	169,35
BIH / A18B36	18w	36w	169,35
BIH / A18B58	18w	58w	194,95
BIH / A36B18	36w	18w	169,35
BIH / A36B36	36w	36w	169,35
BIH / A36B58	36w	58w	194,95
BIH / A58B18	58w	18w	189,28
BIH / A58B36	58w	36w	189,28
BIH / A58B58	58w	58w	194,95



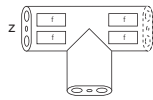
90°(2x) Cross

Ref.	W(C)	W(D)	€
BIN / C18D18	18w	18w	210,67
BIN / C18D36	18w	36w	210,67
BIN / C18D58	18w	58w	225,80
BIN / C36D18	36w	18w	210,67
BIN / C36D36	36w	36w	210,67
BIN / C36D58	36w	58w	225,80
BIN / C58D18	58w	18w	225,80
BIN / C58D36	58w	36w	225,80
BIN / C58D58	58w	58w	225,80



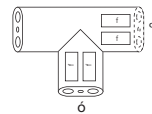
T 90°A Joint

Ref.	W(A)	€
BIK / A18	2x18w	145,64
BIK / A36	2x36w	151,93
BIK / A58	2x58w	169,35



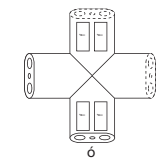
T 90°A-C (2x) Joint

Ref.	W(A)	W(C)	€
BIG / A18C18	18w	18w	169,35
BIG / A18C36	18w	36w	169,35
BIG / A18C58	18w	58w	194,95
BIG / A36C18	36w	18w	169,35
BIG / A36C36	36w	36w	169,35
BIG / A36C58	36w	58w	194,95
BIG / A58C18	58w	18w	194,95
BIG / A58C36	58w	36w	194,95
BIG / A58C58	58w	58w	194,95



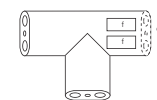
T 90°B-C (2x) Joint

Ref.	W(B)	W(C)	€
BII / B18C18	18w	18w	169,35
BII / B18C36	18w	36w	169,35
BII / B18C58	18w	58w	194,95
BII / B36C18	36w	18w	169,35
BII / B36C36	36w	36w	169,35
BII / B36C58	36w	58w	194,95
BII / B58C18	58w	18w	194,95
BII / B58C36	58w	36w	194,95
BII / B58C58	58w	58w	194,95



90°(2x) Cross

Ref.	W(B)	W(D)	€
BIM / B18D18	18w	18w	210,67
BIM / B18D36	18w	36w	225,80
BIM / B18D58	18w	58w	225,80
BIM / B36D18	36w	18w	225,80
BIM / B36D36	36w	36w	225,80
BIM / B36D58	36w	58w	225,80
BIM / B58D18	58w	18w	225,80
BIM / B58D36	58w	36w	225,80
BIM / B58D58	58w	58w	225,80



T 90°C Joint

Ref.	W(C)	€
BIJ / C18	2x18w	145,64
BIJ / C36	2x36w	151,93
BIJ / C58	2x58w	169,35

Fluorescence T8



Recessed polyvalent Virtus **280**



View profile Virtus Armstrong **284**



Surface Virtus **286**



Waterproof screen Berna T8 **358**



Pla **360**



Luminary with prismatic diffuser **361**



Industrial strip T8 **362**



Recessed polyvalent Enerfi 1xT5 **292**



Recessed polyvalent Enerfi 2xT5 **294**



Recessed polyvalent Enerfi 3xT5 **296**

Fluorescence T5



Recessed polyvalent Enerfi 4xT5 **298**



Recessed screen continuous line Enerfi 1xT5 **300**



Recessed screen continuous line Akri 1xT5 **304**



Recessed screen continuous line Enerfi 2xT5 **308**



Asymmetrical polyvalent recessed Enerfi **312**



Asymm. recessed continuous line **313**



Surface Enerfi 2xT5 **314**



Surface Enerfi 3xT5 **316**



Surface Enerfi 4xT5 **318**



Kra T5 350



Waterproof screen Berna T5 359



Industrial strip T5 363



Libu 349



Futur 1 lamp 352
Futur 2 lamps



Esselte 4 / 7 Dichroic 340
Esselte 4 / 7 LED
Esselte 4 / 7 LED RGB



Esselte T5 + 2 LED 341
Esselte T5 + 2 LED RGB
Esselte T5 + 4 LED 343
Esselte T5 + 4 LED RGB

Fluorescence T5 + Halog/LED



Esselte 2xT5 + 3 LED 342
Esselte 2xT5 + 3 LED RGB
Esselte 2xT5 + 6 LED 344
Esselte 2xT5 + 6 LED RGB



Esselte 2xT5 + 3 Dichroic 345
Esselte 2xT5 + 3 LED
Esselte 2xT5 + 3 LED RGB



Esselte 2xT5 346
Esselte 3xT5

Fluorescence PLL



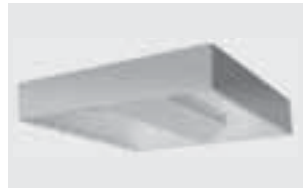
View profile Virtus Armstrong PL-L 324



Virtus pantalla surface PL-L 326



Recessed polyvalent indirect Virtus 328



Surface indirect Virtus PL-L 329



Recessed polyvalent reflected Virtus 330



Surface reflected Virtus PL-L 331

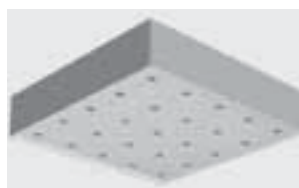


Recessed polyvalent indirect-direct Virtus 332



Surface indirect-direct Virtus PL-L 333

Screen LED



Surface screen 60x60 LED 334



Recessed screen 60x60 LED 336



Rutro 339







APPLICATIONS FOR FLUORESCENCE**Chromatic reproduction index (IRC or Ra).**

We use a scale from 0 to 100 to measure how a luminous source can reproduce the aspect of colours towards a "pattern luminous source".

We measure the difference between the colour coming from our luminous source and the real light it would had under normalized light of such a "pattern luminous source".

Colour temperature (Tc)

It is the temperature (Kelvin degrees) reached by a black object when heating up to give out the same light as our luminous source. There is a normalized chart for colours or wavelengths emitted by a black object or "perfect radiator", according to Kelvin degrees.

Colour temperature indicates the seeming light of a luminous source, there are 3 major groups:

Warm (yellow light): From 2700°K to 3500°K (around)

Neutral: From 3500°K to 4000°K (around)

Cold (White light): From 4000°K to 6000°K (around)

Colour temperature must match lighting levels to create a natural and nice feeling. Such effect can be checked through a diagram called: "Kruithof chart".

Ref. **83** 830 / 3000K° lamp

Ref. **84** 840 / 4000K° lamp

Ref. **86** 865 / 6500K° lamp

**Diffusers**

Ref. **B** Parabolic brightness aluminium "v" diffuser

Ref. **A** Parabolic white-lacquered "v" diffuser

Ref. **Z** Low brightness diffuser (double parabolic)

Ref. **P** Prismatic diffuser

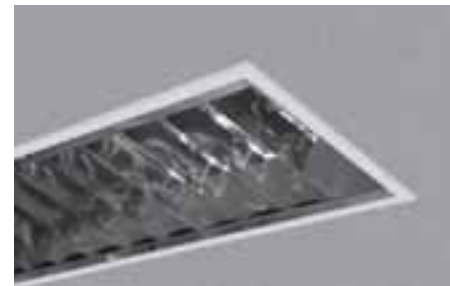
Ref. **Q** Opal diffuser

Ref. **P44** Prismatic diffuser IP44

Ref. **Q44** Opal diffuser IP44

Ref. **P65** Prismatic diffuser sealed IP65

Ref. **Q65** Opal diffuser sealed IP65

Ref. **B**Ref. **A**Ref. **Z**Ref. **P/P44/P65**Ref. **Q/Q44/Q65**

EQUIPMENT OPTIONS

Ref. G **Control Gear.**

Strong Ballast, long lasting and economic, guarantees the efficiency of lamps..

Ref. AF **Control Gear and condensa High Factor capacitor.**

Strong Ballast, long lasting and economic, guarantees the efficiency of lamps which together with a capacitor allows to correct the power factor.

Ref. BE **Electronic Ballast with preheating.**

The use of this ballast means an energetic save of 25%compared with the conventional control gear, which increases the endurance of lamps up to a 50%, which is especially important when there is a lot of on and off switching everyday. It corrects the flow of power and the blinking when functioning with high frequencies. As a result of the low consumption, we reduce the CO2 emission into the atmosphere.

Ref. BR **Electronic Dimmable Ballast 1-10v.**

With the same characteristics than the Electronic Ballast with preheating, also allows analogic dimming that lets the user to control the intensity of light from 1% to 100% with the dimmer into the switch.

Ref. TD **Electronic Dimmable Ballast Touch and Dim/DALI.**

With the same characteristics than the Electronic Ballast with preheating, also allows dimming with a switch, which lets the adjustment of light as wished. One push to switch on and off, and keep pushed to dimm. Compatible with DALI protocol.

Ref. CF **Lighting Flow Control.**

With the same characteristics than the Electronic Ballast with preheating, it is a device which includes a sensor of the lighting needed depending on the surrounding natural light. Its aim is to save energy, compensating the excessive light caused by overdimensioned lighting structure. This device if attached to the lamp with a simple clip, and is connected to the electronic dimmable ballast 1-10V (ref. BR). Wherever such ballast is connected it will be named as **"master"**, and depending on the amount of light received by the sensor in the master ballast, it can be dimmed up to 20 **"slave"** ballasts in line. (These should also be Electronic dimmable ballast 1 – 10V). This sensor also has a rotating diaphragm, that allows to adjust manually the light intensity.

Ref. FP **Lighting Flow and Presence Control.**

With the same characteristics than the Electronic Ballast with preheating, it is a device based on a multiple sensor (natural light level, movement and IR receiver), and a control which turns sensor information into a digital signal. The Touch & Dali ballast connected to this system will become the **"master"** ballast. This system can control a maximum of 8 **"slave"** ballasts (which also have to be electronic dimmable Touch & Dali ballast). Lamps luminous intensity is regulated according to the amount of natural light and the physical presence, without any type of programming. This system allows adapting automatically delays so that it gradually reduces intensity as it detected empty areas, while keeping a comfortable distribution without umbra. It reaches energy savings of 75%. It also allows varying programming by changing pre-programmed light level with a button in the sensor device adapted to the needs of the installation. It is not necessary to use switches with cables and so, it considerably reduces installation costs.at the same time it increases flexibility in case of changes in distribution and lighting rooms..



Lighting control system



Lighting sensor control system

Technical data	Lighting control system	Lighting sensor control system
	Ref. CF	Ref. FP
Control system according to sunlight light	YES	YES
Movement sensor	NO	YES
IR remote control	NO	YES
Switching	NO	YES
Maximum number of slave units	20	8
Type of ballast	BR	TD
Maximum height of set-up	4 m	3.5 m

Ref. KE **Emergency kit.**

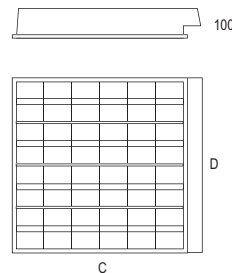
In case of power cut, the emergency kit system allows an easy and safe evacuation of users outside. The system has an internal storage battery in constant charge which able to supply 30% of its power during a maximum of 3 hours.



Recessed polyvalent Virtus. Lamps T8

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) aluminium white lacquered (Ref. A) and low brightness (double parabolic) (Ref. Z). Opal polycarbonate diffusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with high factor equipments (Ref. AF), electronic ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



	w	C	D	
	1x18	197	597	175x575
	1x36	197	1197	175x1175
	1x58	197	1497	175x1475
	2x18	297	597	275x575
	2x36	297	1197	275x1175
	2x58	297	1497	275x1475
	3x18	597	597	575x575
	3x36	597	1197	575x1175
	4x18	597	597	575x575
	4x36	597	1197	575x1175

Includes parabolic brightness aluminium "v" diffuser, lamps 84 and clutchers.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906B 118 84	1x18W	197 x 597	175 x 575	52.92	0.50	0.30
906B 136 84	1x36W	197 x 1197	175 x 1175	62.55	0.50	0.30
906B 158 84	1x58W	197 x 1497	175 x 1475	72.29	0.50	0.30
906B 218 84	2x18W	297 x 597	275 x 575	59.98	0.50	0.60
906B 236 84	2x36W	297 x 1197	275 x 1175	74.33	0.50	0.60
906B 258 84	2x58W	297 x 1497	275 x 1475	94.48	0.50	0.60
906B 318 84	3x18W	597 x 597	575 x 575	66.83	0.50	0.90
906B 336 84	3x36W	597 x 1197	575 x 1175	123.63	0.50	0.90
906B 418 84	4x18W	597 x 597	575 x 575	80.48	0.50	1.20
906B 436 84	4x36W	597 x 1197	575 x 1175	128.58	0.50	1.20



Includes parabolic white-lacquered "v" diffuser, lamps 84 and clutchers.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906A 118 84	1x18W	197 x 597	175 x 575	54.00	0.50	0.30
906A 136 84	1x36W	197 x 1197	175 x 1175	64.82	0.50	0.30
906A 158 84	1x58W	197 x 1497	175 x 1475	73.73	0.50	0.30
906A 218 84	2x18W	297 x 597	275 x 575	62.12	0.50	0.60
906A 236 84	2x36W	297 x 1197	275 x 1175	76.77	0.50	0.60
906A 258 84	2x58W	297 x 1497	275 x 1475	97.30	0.50	0.60
906A 318 84	3x18W	597 x 597	575 x 575	69.15	0.50	0.90
906A 336 84	3x36W	597 x 1197	575 x 1175	128.06	0.50	0.90
906A 418 84	4x18W	597 x 597	575 x 575	81.71	0.50	1.20
906A 436 84	4x36W	597 x 1197	575 x 1175	135.06	0.50	1.20

Includes low brightness diffuser (double parabolic), lamps 84 and clutchers.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906Z 118 84	1x18W	197 x 597	175 x 575	74.81	0.50	0.30
906Z 136 84	1x36W	197 x 1197	175 x 1175	87.68	0.50	0.30
906Z 158 84	1x58W	197 x 1497	175 x 1475	102.31	0.50	0.30
906Z 218 84	2x18W	297 x 597	275 x 575	83.26	0.50	0.60
906Z 236 84	2x36W	297 x 1197	275 x 1175	104.78	0.50	0.60
906Z 258 84	2x58W	297 x 1497	275 x 1475	132.29	0.50	0.60
906Z 318 84	3x18W	597 x 597	575 x 575	94.07	0.50	0.90
906Z 336 84	3x36W	597 x 1197	575 x 1175	176.68	0.50	0.90
906Z 418 84	4x18W	597 x 597	575 x 575	112.72	0.50	1.20
906Z 436 84	4x36W	597 x 1197	575 x 1175	177.19	0.50	1.20

Recessed polyvalent Virtus. T8

Recessed polyvalent Virtus. Lamps T8

Includes prismatic diffuser, lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906P 118 84	1x18W	197 x 597	175 x 575	70.84	0.50	0.30
906P 136 84	1x36W	197 x 1197	175 x 1175	97.88	0.50	0.30
906P 158 84	1x58W	197 x 1497	175 x 1475	107.82	0.50	0.30
906P 218 84	2x18W	297 x 597	275 x 575	78.93	0.50	0.60
906P 236 84	2x36W	297 x 1197	275 x 1175	111.27	0.50	0.60
906P 258 84	2x58W	297 x 1497	275 x 1475	128.99	0.50	0.60
906P 318 84	3x18W	597 x 597	575 x 575	100.35	0.50	0.90
906P 336 84	3x36W	597 x 1197	575 x 1175	186.67	0.50	0.90
906P 418 84	4x18W	597 x 597	575 x 575	105.63	0.50	1.20
906P 436 84	4x36W	597 x 1197	575 x 1175	191.58	0.50	1.20

Includes opal diffuser, lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906Q 118 84	1x18W	197 x 597	175 x 575	71.10	0.50	0.30
906Q 136 84	1x36W	197 x 1197	175 x 1175	97.94	0.50	0.30
906Q 158 84	1x58W	197 x 1497	175 x 1475	107.87	0.50	0.30
906Q 218 84	2x18W	297 x 597	275 x 575	78.98	0.50	0.60
906Q 236 84	2x36W	297 x 1197	275 x 1175	111.33	0.50	0.60
906Q 258 84	2x58W	297 x 1497	275 x 1475	129.35	0.50	0.60
906Q 318 84	3x18W	597 x 597	575 x 575	100.40	0.50	0.90
906Q 336 84	3x36W	597 x 1197	575 x 1175	187.77	0.50	0.90
906Q 418 84	4x18W	597 x 597	575 x 575	105.71	0.50	1.20
906Q 436 84	4x36W	597 x 1197	575 x 1175	192.61	0.50	1.20

Includes prismatic diffuser IP44, lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906P44 118 84	1x18W	197 x 597	175 x 575	93.76	0.50	0.30
906P44 136 84	1x36W	197 x 1197	175 x 1175	131.80	0.50	0.30
906P44 158 84	1x58W	197 x 1497	175 x 1475	148.10	0.50	0.30
906P44 218 84	2x18W	297 x 597	275 x 575	103.45	0.50	0.60
906P44 236 84	2x36W	297 x 1197	275 x 1175	148.97	0.50	0.60
906P44 258 84	2x58W	297 x 1497	275 x 1475	173.80	0.50	0.60
906P44 318 84	3x18W	597 x 597	575 x 575	130.23	0.50	0.90
906P44 336 84	3x36W	597 x 1197	575 x 1175	235.29	0.50	0.90
906P44 418 84	4x18W	597 x 597	575 x 575	136.61	0.50	1.20
906P44 436 84	4x36W	597 x 1197	575 x 1175	241.67	0.50	1.20

Includes opal diffuser IP44, lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906Q44 118 84	1x18W	197 x 597	175 x 575	94.18	0.50	0.30
906Q44 136 84	1x36W	197 x 1197	175 x 1175	131.98	0.50	0.30
906Q44 158 84	1x58W	197 x 1497	175 x 1475	148.20	0.50	0.30
906Q44 218 84	2x18W	297 x 597	275 x 575	103.60	0.50	0.60
906Q44 236 84	2x36W	297 x 1197	275 x 1175	149.07	0.50	0.60
906Q44 258 84	2x58W	297 x 1497	275 x 1475	174.00	0.50	0.60
906Q44 318 84	3x18W	597 x 597	575 x 575	130.33	0.50	0.90
906Q44 336 84	3x36W	597 x 1197	575 x 1175	235.39	0.50	0.90
906Q44 418 84	4x18W	597 x 597	575 x 575	136.72	0.50	1.20
906Q44 436 84	4x36W	597 x 1197	575 x 1175	241.69	0.50	1.20

Includes prismatic diffuser sealed IP65, lamps 84 and clutches.

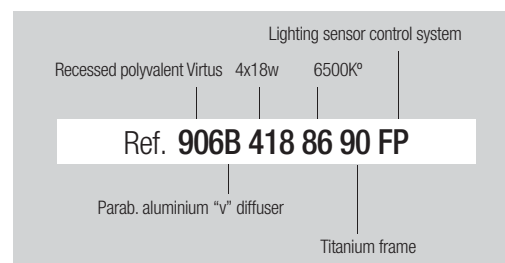
Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906P65 118 84	1x18W	197 x 597	175 x 575	129.20	0.50	0.30
906P65 136 84	1x36W	197 x 1197	175 x 1175	180.49	0.50	0.30
906P65 158 84	1x58W	197 x 1497	175 x 1475	201.86	0.50	0.30
906P65 218 84	2x18W	297 x 597	275 x 575	140.94	0.50	0.60
906P65 236 84	2x36W	297 x 1197	275 x 1175	224.99	0.50	0.60
906P65 258 84	2x58W	297 x 1497	275 x 1475	236.73	0.50	0.60
906P65 318 84	3x18W	597 x 597	575 x 575	178.02	0.50	0.90
906P65 336 84	3x36W	597 x 1197	575 x 1175	310.27	0.50	0.90
906P65 418 84	4x18W	597 x 597	575 x 575	187.08	0.50	1.20
906P65 436 84	4x36W	597 x 1197	575 x 1175	322.63	0.50	1.20

Includes opal diffuser sealed IP65, lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE	
					lum.	lamp.
906Q65 118 84	1x18W	197 x 597	175 x 575	129.22	0.50	0.30
906Q65 136 84	1x36W	197 x 1197	175 x 1175	180.51	0.50	0.30
906Q65 158 84	1x58W	197 x 1497	175 x 1475	201.88	0.50	0.30
906Q65 218 84	2x18W	297 x 597	275 x 575	140.96	0.50	0.60
906Q65 236 84	2x36W	297 x 1197	275 x 1175	225.00	0.50	0.60
906Q65 258 84	2x58W	297 x 1497	275 x 1475	236.75	0.50	0.60
906Q65 318 84	3x18W	597 x 597	575 x 575	178.03	0.50	0.90
906Q65 336 84	3x36W	597 x 1197	575 x 1175	310.29	0.50	0.90
906Q65 418 84	4x18W	597 x 597	575 x 575	187.10	0.50	1.20
906Q65 436 84	4x36W	597 x 1197	575 x 1175	322.65	0.50	1.20



Example to write a reference with options



Recessed polyvalent Virtus. Lamps T8

OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame		€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear		€	1x18/36/58w	2x18/36/58w	3/4 x18/36w	3/4x58w
Ref. AF	High factor	2.90	€	€	€	€
Ref. BE	Electronic ballast		19.90	28.00	24.00	55.00
Ref. BR	Dimmable ballast 1-10v		68.00	80.00	90.00	150.00
Ref. TD	Electronic ballast Touch and Dim		69.60	85.00	93.00	152.00
Ref. CF	Lighting control system "master"		120.00	130.00	136.00	196.00
Ref. FP	Lighting sensor control system "master"		219.00	235.00	243.00	302.00
Ref. KE	Emergency kit	110.00				

Rough increase of accessories		€
Ref. 1213	Flow recuperator	12.50
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Accessories



Ref. **1215**
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.

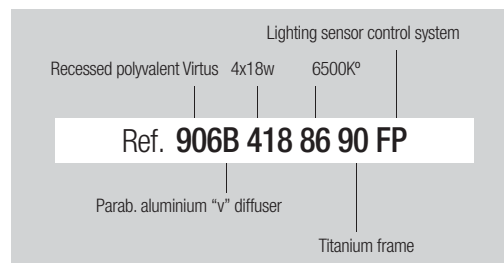


Ref. **1214**
4 clutches set.



Ref. **1213**
Flow recuperator.

Example to write a reference with options



Recessed polyvalent Virtus. T8 LED lamps

Includes parabolic brightness aluminium "v" diffuser, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceilling module	€	lum. ^{RAEE} lamp.	
906B 109 85	1x9W	197 x 597	175 x 575	121.02	0.50	0.20
906B 115 85	1x15W	197 x 1197	175 x 1175	112.65	0.50	0.20
906B 119 85	1x19W	197 x 1497	175 x 1475	221.39	0.50	0.20
906B 209 85	2x9W	297 x 597	275 x 575	198.18	0.50	0.40
906B 215 85	2x15W	297 x 1197	275 x 1175	286.53	0.50	0.40
906B 219 85	2x19W	297 x 1497	275 x 1475	392.68	0.50	0.40
906B 309 85	3x9W	597 x 597	575 x 575	271.11	0.50	0.60
906B 315 85	3x15W	597 x 1197	575 x 1175	441.30	0.50	0.60
906B 409 85	4x9W	597 x 597	575 x 575	352.88	0.50	0.80
906B 415 85	4x15W	597 x 1197	575 x 1175	552.98	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes low brightness diffuser (double parabolic), driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceilling module	€	lum. ^{RAEE} lamp.	
906Z 109 85	1x9W	197 x 597	175 x 575	142.91	0.50	0.20
906Z 115 85	1x15W	197 x 1197	175 x 1175	170.92	0.50	0.20
906Z 119 85	1x19W	197 x 1497	175 x 1475	222.83	0.50	0.20
906Z 209 85	2x9W	297 x 597	275 x 575	198.32	0.50	0.40
906Z 215 85	2x15W	297 x 1197	275 x 1175	288.97	0.50	0.40
906Z 219 85	2x19W	297 x 1497	275 x 1475	395.50	0.50	0.40
906Z 309 85	3x9W	597 x 597	575 x 575	298.30	0.50	0.60
906Z 315 85	3x15W	597 x 1197	575 x 1175	494.98	0.50	0.60
906Z 409 85	4x9W	597 x 597	575 x 575	385.12	0.50	0.80
906Z 415 85	4x15W	597 x 1197	575 x 1175	601.59	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes parabolic white-lacquered "v" diffuser, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceilling module	€	lum. ^{RAEE} lamp.	
906A 109 85	1x9W	197 x 597	175 x 575	122.00	0.50	0.20
906A 115 85	1x15W	197 x 1197	175 x 1175	170.92	0.50	0.20
906A 119 85	1x19W	197 x 1497	175 x 1475	222.83	0.50	0.20
906A 209 85	2x9W	297 x 597	275 x 575	198.32	0.50	0.40
906A 215 85	2x15W	297 x 1197	275 x 1175	288.97	0.50	0.40
906A 219 85	2x19W	297 x 1497	275 x 1475	395.50	0.50	0.40
906A 309 85	3x9W	597 x 597	575 x 575	273.45	0.50	0.60
906A 315 85	3x15W	597 x 1197	575 x 1175	446.36	0.50	0.60
906A 409 85	4x9W	597 x 597	575 x 575	354.10	0.50	0.80
906A 415 85	4x15W	597 x 1197	575 x 1175	559.46	0.50	0.80

* Supplied in a standard manner with 5400° K lamp



Recessed polyvalent Virtus. T8

Includes prismatic diffuser, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
906P 109 85	1x9W	197 x 597	175 x 575	139.94	0.50	0.20
906P 115 85	1x15W	197 x 1197	175 x 1175	203.98	0.50	0.20
906P 119 85	1x19W	197 x 1497	175 x 1475	259.92	0.50	0.20
906P 209 85	2x9W	297 x 597	275 x 575	215.13	0.50	0.40
906P 215 85	2x15W	297 x 1197	275 x 1175	323.47	0.50	0.40
906P 219 85	2x19W	297 x 1497	275 x 1475	427.19	0.50	0.40
906P 309 85	3x9W	597 x 597	575 x 575	304.65	0.50	0.60
906P 315 85	3x15W	597 x 1197	575 x 1175	504.97	0.50	0.60
906P 409 85	4x9W	597 x 597	575 x 575	378.03	0.50	0.80
906P 415 85	4x15W	597 x 1197	575 x 1175	615.98	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
906Q 109 85	1x9W	197 x 597	175 x 575	139.20	0.50	0.20
906Q 115 85	1x15W	197 x 1197	175 x 1175	204.04	0.50	0.20
906Q 119 85	1x19W	197 x 1497	175 x 1475	256.97	0.50	0.20
906Q 209 85	2x9W	297 x 597	275 x 575	215.18	0.50	0.40
906Q 215 85	2x15W	297 x 1197	275 x 1175	323.53	0.50	0.40
906Q 219 85	2x19W	297 x 1497	275 x 1475	427.55	0.50	0.40
906Q 309 85	3x9W	597 x 597	575 x 575	304.30	0.50	0.60
906Q 315 85	3x15W	597 x 1197	575 x 1175	506.07	0.50	0.60
906Q 409 85	4x9W	597 x 597	575 x 575	378.11	0.50	0.80
906Q 415 85	4x15W	597 x 1197	575 x 1175	617.01	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes prismatic diffuser IP44, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
906P44 109 85	1x9W	197 x 597	175 x 575	161.86	0.50	0.20
906P44 115 85	1x15W	197 x 1197	175 x 1175	237.90	0.50	0.20
906P44 119 85	1x19W	197 x 1497	175 x 1475	297.20	0.50	0.20
906P44 209 85	2x9W	297 x 597	275 x 575	239.65	0.50	0.40
906P44 215 85	2x15W	297 x 1197	275 x 1175	361.17	0.50	0.40
906P44 219 85	2x19W	297 x 1497	275 x 1475	472.00	0.50	0.40
906P44 309 85	3x9W	597 x 597	575 x 575	334.53	0.50	0.60
906P44 315 85	3x15W	597 x 1197	575 x 1175	553.59	0.50	0.60
906P44 409 85	4x9W	597 x 597	575 x 575	409.01	0.50	0.80
906P44 415 85	4x15W	597 x 1197	575 x 1175	666.07	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser IP44, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
906Q44 109 85	1x9W	197 x 597	175 x 575	162.28	0.50	0.20
906Q44 115 85	1x15W	197 x 1197	175 x 1175	238.08	0.50	0.20
906Q44 119 85	1x19W	197 x 1497	175 x 1475	297.30	0.50	0.20
906Q44 209 85	2x9W	297 x 597	275 x 575	239.80	0.50	0.40
906Q44 215 85	2x15W	297 x 1197	275 x 1175	361.27	0.50	0.40
906Q44 219 85	2x19W	297 x 1497	275 x 1475	472.20	0.50	0.40
906Q44 309 85	3x9W	597 x 597	575 x 575	334.63	0.50	0.60
906Q44 315 85	3x15W	597 x 1197	575 x 1175	553.69	0.50	0.60
906Q44 409 85	4x9W	597 x 597	575 x 575	409.12	0.50	0.80
906Q44 415 85	4x15W	597 x 1197	575 x 1175	666.09	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes prismatic diffuser sealed IP65, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
906P65 109 85	1x9W	197 x 597	175 x 575	197.30	0.50	0.20
906P65 115 85	1x15W	197 x 1197	175 x 1175	286.59	0.50	0.20
906P65 119 85	1x19W	197 x 1497	175 x 1475	350.96	0.50	0.20
906P65 209 85	2x9W	297 x 597	275 x 575	277.14	0.50	0.40
906P65 215 85	2x15W	297 x 1197	275 x 1175	437.19	0.50	0.40
906P65 219 85	2x19W	297 x 1497	275 x 1475	534.93	0.50	0.40
906P65 309 85	3x9W	597 x 597	575 x 575	382.32	0.50	0.60
906P65 315 85	3x15W	597 x 1197	575 x 1175	628.57	0.50	0.60
906P65 409 85	4x9W	597 x 597	575 x 575	459.48	0.50	0.80
906P65 415 85	4x15W	597 x 1197	575 x 1175	747.03	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser sealed IP65, driver, T8 LED lamps and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
906Q65 109 85	1x9W	197 x 597	175 x 575	197.32	0.50	0.20
906Q65 115 85	1x15W	197 x 1197	175 x 1175	286.61	0.50	0.20
906Q65 119 85	1x19W	197 x 1497	175 x 1475	350.98	0.50	0.20
906Q65 209 85	2x9W	297 x 597	275 x 575	276.20	0.50	0.40
906Q65 215 85	2x15W	297 x 1197	275 x 1175	487.20	0.50	0.40
906Q65 219 85	2x19W	297 x 1497	275 x 1475	534.95	0.50	0.40
906Q65 309 85	3x9W	597 x 597	575 x 575	382.33	0.50	0.60
906Q65 315 85	3x15W	597 x 1197	575 x 1175	628.59	0.50	0.60
906Q65 409 85	4x9W	597 x 597	575 x 575	459.50	0.50	0.80
906Q65 415 85	4x15W	597 x 1197	575 x 1175	747.05	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Driver suitable to type of lamp and wattage included in each model.

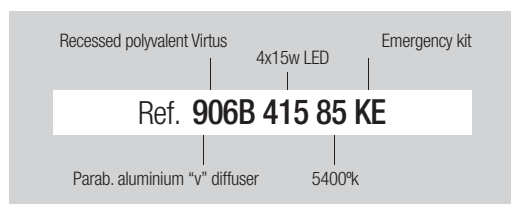
T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.

OPTIONS

Rough price increase of driver	2x9w	2x15w	4x9w
Ref. DR	€	€	€
Dimmable driver 1-10w	79.90	79.90	79.90

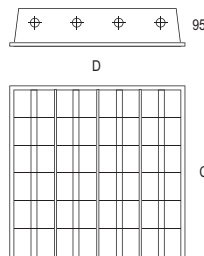
LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
T8 LED 9w / 15w / 19w	•	•	•

Example to write a reference with options LEDS



View profile Virtus Armstrong 24mm. Lamps T8
Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) aluminium white-lacquered (Ref. A) and low brightness (double parabolic) (Ref. Z). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with high factor equipments (Ref. AF), electronic ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref. 1211).
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D	Ceiling module
2x18	297	637	300x600
2x36	297	1241	300x1200
3x18	597	637	600x600
3x36	597	1241	600x1200
4x18	597	637	600x600
4x36	597	1241	600x1200



Includes parabolic brightness aluminium "v" diffuser and lamps 84.

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp
906B 218AMS 84	2x18W	297 x 637	300 x 600	47.58	0.50 0.60
906B 236AMS 84	2x36W	297 x 1241	1200 x 300	67.46	0.50 0.60
906B 318AMS 84	3x18W	597 x 637	600 x 600	56.13	0.50 0.90
906B 336AMS 84	3x36W	597 x 1241	1200 x 600	111.75	0.50 0.90
906B 418AMS 84	4x18W	597 x 637	600 x 600	68.39	0.50 1.20
906B 436AMS 84	4x36W	597 x 1241	1200 x 600	122.46	0.50 1.20

Includes parabolic white-lacquered "v" diffuser and lamps 84.

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp
906A 218AMS 84	2x18W	297 x 637	300 x 600	48.61	0.50 0.60
906A 236AMS 84	2x36W	297 x 1241	1200 x 300	68.70	0.50 0.60
906A 318AMS 84	3x18W	597 x 637	600 x 600	56.28	0.50 0.90
906A 336AMS 84	3x36W	597 x 1241	1200 x 600	112.16	0.50 0.90
906A 418AMS 84	4x18W	597 x 637	600 x 600	68.55	0.50 1.20
906A 436AMS 84	4x36W	597 x 1241	1200 x 600	122.77	0.50 1.20

Includes low brightness diffuser (double parabolic) and lamps 84.

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp
906Z 218AMS 84	2x18W	297 x 637	300 x 600	66.74	0.50 0.60
906Z 236AMS 84	2x36W	297 x 1241	1200 x 300	96.61	0.50 0.60
906Z 318AMS 84	3x18W	597 x 637	600 x 600	79.92	0.50 0.90
906Z 336AMS 84	3x36W	597 x 1241	1200 x 600	159.13	0.50 0.90
906Z 418AMS 84	4x18W	597 x 637	600 x 600	96.40	0.50 1.20
906Z 436AMS 84	4x36W	597 x 1241	1200 x 600	174.99	0.50 1.20

Includes prismatic diffuser and lamps 84.

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp
906P 218AMS 84	2x18W	297 x 637	300 x 600	53.35	0.50 0.60
906P 236AMS 84	2x36W	297 x 1241	1200 x 300	77.15	0.50 0.60
906P 318AMS 84	3x18W	597 x 637	600 x 600	63.70	0.50 0.90
906P 336AMS 84	3x36W	597 x 1241	1200 x 600	126.79	0.50 0.90
906P 418AMS 84	4x18W	597 x 637	600 x 600	76.22	0.50 1.20
906P 436AMS 84	4x36W	597 x 1241	1200 x 600	136.60	0.50 1.20

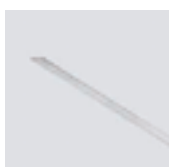
Includes opal diffuser and lamps 84.

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp
906Q 218AMS 84	2x18W	297 x 637	300 x 600	53.37	0.50 0.60
906Q 236AMS 84	2x36W	297 x 1241	1200 x 300	77.16	0.50 0.60
906Q 318AMS 84	3x18W	597 x 637	600 x 600	63.75	0.50 0.90
906Q 336AMS 84	3x36W	597 x 1241	1200 x 600	126.81	0.50 0.90
906Q 418AMS 84	4x18W	597 x 637	600 x 600	76.24	0.50 1.20
906Q 436AMS 84	4x36W	597 x 1241	1200 x 600	136.62	0.50 1.20

Accessories



Ref. 1215
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.



Ref. 1212
Frame suited to ceilings of 15mm



Ref. 1213
Flow recuperator.

Recessed Virtus Armstrong. T8

View profile Virtus Armstrong. Lamps T8

OPTIONS

IRC / Colour temperature

Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

Rough increase of the control gear

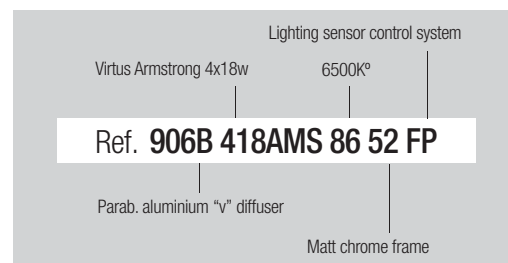
	€	2x18/36w	3/4 x18w	3/4 x36w
Ref. AF High factor	2.90	€	€	€
Ref. BE Electronic ballast		28.00	24.00	55.00
Ref. BR Dimmable ballast 1-10v		80.00	90.00	150.00
Ref. TD Electronic ballast Touch and Dim		85.00	93.00	152.00
Ref. CF Lighting control system "master"		130.00	136.00	196.00
Ref. FP Lighting sensor control system "master"		235.00	243.00	302.00
Ref. KE Emergency kit	110.00			

Rough increase of accessories

	€
Ref. 1213 Flow recuperator	25.00
Ref. 1212 Frame suited to ceilings of 15mm	6.00
Ref. 1215 SCB safety cable	5.34
Ref. WL Wieland connector	16.30



Example to write a reference with options



View profile Virtus Armstrong. T8 LED lamps

Includes parabolic brightness aluminium "v" diffuser, driver and T8 LED lamps.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp
906B 209AMS 85	2x9W	297 x 637	300 x 600	183.78	0.50	0.40
906B 215AMS 85	2x15W	297 x 1241	1200 x 300	279.66	0.50	0.40
906B 309AMS 85	3x9W	597 x 637	600 x 600	260.43	0.50	0.60
906B 315AMS 85	3x15W	597 x 1241	1200 x 600	430.05	0.50	0.60
906B 409AMS 85	4x9W	597 x 637	600 x 600	340.79	0.50	0.80
906B 415AMS 85	4x15W	597 x 1241	1200 x 600	546.86	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes parabolic white-lacquered "v" diffuser, driver and T8 LED lamps.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp
906A 209AMS 85	2x9W	297 x 637	300 x 600	184.81	0.50	0.40
906A 215AMS 85	2x15W	297 x 1241	1200 x 300	280.90	0.50	0.40
906A 309AMS 85	3x9W	597 x 637	600 x 600	260.58	0.50	0.60
906A 315AMS 85	3x15W	597 x 1241	1200 x 600	430.46	0.50	0.60
906A 409AMS 85	4x9W	597 x 637	600 x 600	340.95	0.50	0.80
906A 415AMS 85	4x15W	597 x 1241	1200 x 600	547.17	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes low brightness diffuser (double parabolic) and driver, T8 LED lamps.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp
906Z 209AMS 85	2x9W	297 x 637	300 x 600	202.94	0.50	0.40
906Z 215AMS 85	2x15W	297 x 1241	1200 x 300	308.81	0.50	0.40
906Z 309AMS 85	3x9W	597 x 637	600 x 600	284.22	0.50	0.60
906Z 315AMS 85	3x15W	597 x 1241	1200 x 600	477.43	0.50	0.60
906Z 409AMS 85	4x9W	597 x 637	600 x 600	368.80	0.50	0.80
906Z 415AMS 85	4x15W	597 x 1241	1200 x 600	599.36	0.50	0.80

* Supplied in a standard manner with 5400° K lamp



Includes prismatic diffuser, driver and T8 LED lamps.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp
906P 209AMS 85	2x9W	297 x 637	300 x 600	189.55	0.50	0.40
906P 215AMS 85	2x15W	297 x 1241	1200 x 300	289.35	0.50	0.40
906P 309AMS 85	3x9W	597 x 637	600 x 600	268.00	0.50	0.60
906P 315AMS 85	3x15W	597 x 1241	1200 x 600	445.09	0.50	0.60
906P 409AMS 85	4x9W	597 x 637	600 x 600	348.62	0.50	0.80
906P 415AMS 85	4x15W	597 x 1241	1200 x 600	561.00	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser, driver and T8 LED lamps.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp
906Q 209AMS 85	2x9W	297 x 637	300 x 600	189.58	0.50	0.40
906Q 215AMS 85	2x15W	297 x 1241	1200 x 300	289.40	0.50	0.40
906Q 309AMS 85	3x9W	597 x 637	600 x 600	268.10	0.50	0.60
906Q 315AMS 85	3x15W	597 x 1241	1200 x 600	445.15	0.50	0.60
906Q 409AMS 85	4x9W	597 x 637	600 x 600	348.66	0.50	0.80
906Q 415AMS 85	4x15W	597 x 1241	1200 x 600	561.10	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Driver suitable to type of lamp and wattage included in each model.

T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.

OPTIONS

Rough price increase of driver

	2x9w	2x15w	4x9w
Ref. DR Dimmable driver 1-10v	€	€	€
	79.90	79.90	79.90

LED OPTIONS

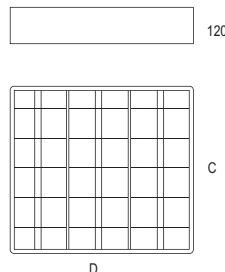
	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K

T8 LED 9w / 15w / 19w	•	•	•
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Surface Virtus. Lamps T8

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) aluminium white-lacquered (Ref. A) and low brightness (double parabolic) (Ref. Z). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with high factor equipments (Ref. AF), electronic ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref. 1211).
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D
1x18	170	635
1x36	170	1230
1x58	170	1530
2x18	260	635
2x36	260	1230
2x58	260	1530
3x18	575	635
3x36	575	1230
4x18	575	635
4x36	575	1230

Includes parabolic brightness aluminium "V" diffuser and lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1305B 118 84	1x18W	170 x 635	70.76	0.50	0.30
1305B 136 84	1x36W	170 x 1230	85.07	0.50	0.30
1305B 158 84	1x58W	170 x 1530	97.39	0.50	0.30
1305B 218 84	2x18W	260 x 635	66.14	0.50	0.60
1305B 236 84	2x36W	260 x 1230	79.93	0.50	0.60
1305B 258 84	2x58W	260 x 1530	104.34	0.50	0.60
1305B 318 84	3x18W	575 x 635	84.77	0.50	0.90
1305B 336 84	3x36W	575 x 1230	136.68	0.50	0.90
1305B 418 84	4x18W	575 x 635	92.82	0.50	1.20
1305B 436 84	4x36W	575 x 1230	147.65	0.50	1.20

Includes parabolic white-lacquered "V" diffuser and lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1305A 118 84	1x18W	170 x 635	71.17	0.50	0.30
1305A 136 84	1x36W	170 x 1230	85.80	0.50	0.30
1305A 158 84	1x58W	170 x 1530	98.31	0.50	0.30
1305A 218 84	2x18W	260 x 635	67.36	0.50	0.60
1305A 236 84	2x36W	260 x 1230	80.44	0.50	0.60
1305A 258 84	2x58W	260 x 1530	105.32	0.50	0.60
1305A 318 84	3x18W	575 x 635	86.42	0.50	0.90
1305A 336 84	3x36W	575 x 1230	137.30	0.50	0.90
1305A 418 84	4x18W	575 x 635	94.55	0.50	1.20
1305A 436 84	4x36W	575 x 1230	148.42	0.50	1.20

Includes low brightness diffuser (double parabolic) and lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1305Z 118 84	1x18W	170 x 635	93.68	0.50	0.30
1305Z 136 84	1x36W	170 x 1230	111.45	0.50	0.30
1305Z 158 84	1x58W	170 x 1530	126.79	0.50	0.30
1305Z 218 84	2x18W	260 x 635	85.18	0.50	0.60
1305Z 236 84	2x36W	260 x 1230	105.16	0.50	0.60
1305Z 258 84	2x58W	260 x 1530	135.55	0.50	0.60
1305Z 318 84	3x18W	575 x 635	109.80	0.50	0.90
1305Z 336 84	3x36W	575 x 1230	178.50	0.50	0.90
1305Z 418 84	4x18W	575 x 635	119.89	0.50	1.20
1305Z 436 84	4x36W	575 x 1230	192.20	0.50	1.20

Accessories



Ref. 1211
Suspension kit. Standard version 1 metre length. Made-to-measure possibility.



Ref. 1213
Flow recuperator.



Opal / prismatic diffuser

Surface Virtus. Lamps T8

Includes prismatic diffuser and lamps 84

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305P 118 84	1x18W	170 x 635	90.85	0.50	0.30
1305P 136 84	1x36W	170 x 1230	120.92	0.50	0.30
1305P 158 84	1x58W	170 x 1530	130.35	0.50	0.30
1305P 218 84	2x18W	260 x 635	84.36	0.50	0.60
1305P 236 84	2x36W	260 x 1230	128.96	0.50	0.60
1305P 258 84	2x58W	260 x 1530	173.35	0.50	0.60
1305P 318 84	3x18W	575 x 635	121.54	0.50	0.90
1305P 336 84	3x36W	575 x 1230	205.58	0.50	0.90
1305P 418 84	4x18W	575 x 635	126.79	0.50	1.20
1305P 436 84	4x36W	575 x 1230	215.37	0.50	1.20

Includes opal diffuser and lamps 84

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Q 118 84	1x18W	170 x 635	91.98	0.50	0.30
1305Q 136 84	1x36W	170 x 1230	122.05	0.50	0.30
1305Q 158 84	1x58W	170 x 1530	131.48	0.50	0.30
1305Q 218 84	2x18W	260 x 635	85.41	0.50	0.60
1305Q 236 84	2x36W	260 x 1230	130.08	0.50	0.60
1305Q 258 84	2x58W	260 x 1530	174.48	0.50	0.60
1305Q 318 84	3x18W	575 x 635	122.67	0.50	0.90
1305Q 336 84	3x36W	575 x 1230	206.50	0.50	0.90
1305Q 418 84	4x18W	575 x 635	127.93	0.50	1.20
1305Q 436 84	4x36W	575 x 1230	216.51	0.50	1.20

Includes prismatic diffuser IP44 and lamps 84

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305P44 118 84	1x18W	170 x 635	111.96	0.50	0.30
1305P44 136 84	1x36W	170 x 1230	154.19	0.50	0.30
1305P44 158 84	1x58W	170 x 1530	174.33	0.50	0.30
1305P44 218 84	2x18W	260 x 635	106.81	0.50	0.60
1305P44 236 84	2x36W	260 x 1230	165.21	0.50	0.60
1305P44 258 84	2x58W	260 x 1530	216.09	0.50	0.60
1305P44 318 84	3x18W	575 x 635	152.14	0.50	0.90
1305P44 336 84	3x36W	575 x 1230	252.14	0.50	0.90
1305P44 418 84	4x18W	575 x 635	158.31	0.50	1.20
1305P44 436 84	4x36W	575 x 1230	262.03	0.50	1.20

Includes opal diffuser IP44 and lamps 84

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Q44 118 84	1x18W	170 x 635	112.04	0.50	0.30
1305Q44 136 84	1x36W	170 x 1230	154.21	0.50	0.30
1305Q44 158 84	1x58W	170 x 1530	174.37	0.50	0.30
1305Q44 218 84	2x18W	260 x 635	106.83	0.50	0.60
1305Q44 236 84	2x36W	260 x 1230	165.23	0.50	0.60
1305Q44 258 84	2x58W	260 x 1530	216.14	0.50	0.60
1305Q44 318 84	3x18W	575 x 635	152.23	0.50	0.90
1305Q44 336 84	3x36W	575 x 1230	252.17	0.50	0.90
1305Q44 418 84	4x18W	575 x 635	158.33	0.50	1.20
1305Q44 436 84	4x36W	575 x 1230	262.05	0.50	1.20

Includes prismatic diffuser sealed IP65 and lamps 84

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305P65 118 84	1x18W	170 x 635	147.08	0.50	0.30
1305P65 136 84	1x36W	170 x 1230	202.70	0.50	0.30
1305P65 158 84	1x58W	170 x 1530	228.40	0.50	0.30
1305P65 218 84	2x18W	260 x 635	144.30	0.50	0.60
1305P65 236 84	2x36W	260 x 1230	241.23	0.50	0.60
1305P65 258 84	2x58W	260 x 1530	279.02	0.50	0.60
1305P65 318 84	3x18W	575 x 635	199.92	0.50	0.90
1305P65 336 84	3x36W	575 x 1230	327.13	0.50	0.90
1305P65 418 84	4x18W	575 x 635	207.14	0.50	1.20
1305P65 436 84	4x36W	575 x 1230	342.99	0.50	1.20

Includes opal diffuser sealed IP65 and lamps 84

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Q65 118 84	1x18W	170 x 635	147.19	0.50	0.30
1305Q65 136 84	1x36W	170 x 1230	202.81	0.50	0.30
1305Q65 158 84	1x58W	170 x 1530	228.51	0.50	0.30
1305Q65 218 84	2x18W	260 x 635	144.41	0.50	0.60
1305Q65 236 84	2x36W	260 x 1230	241.25	0.50	0.60
1305Q65 258 84	2x58W	260 x 1530	279.05	0.50	0.60
1305Q65 318 84	3x18W	575 x 635	199.94	0.50	0.90
1305Q65 336 84	3x36W	575 x 1230	327.15	0.50	0.90
1305Q65 418 84	4x18W	575 x 635	207.15	0.50	1.20
1305Q65 436 84	4x36W	575 x 1230	343.10	0.50	1.20

OPTIONS

IRC / Colour temperature

Ref. 83 830 / 3000°K Lamp

Ref. 86 865 / 6500°K Lamp

Rough price increase of the finished frame

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

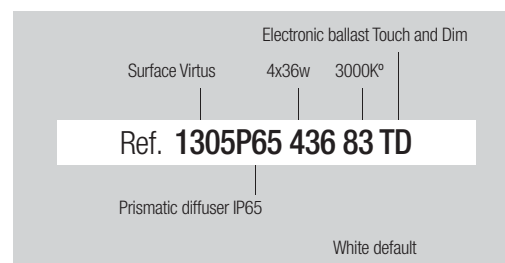
Rough increase of the control gear

	€	1x18/36/58w	2x18/36/58w	3/4x18w	3/4x36/58w
Ref. AF High factor	2.90	€	€	€	€
Ref. BE Electronic ballast	19.90	28.00	24.00	55.00	
Ref. BR Dimmable ballast 1-10v	68.00	80.00	90.00	150.00	
Ref. TD Electronic ballast Touch and Dim	69.60	85.00	93.00	152.00	
Ref. CF Lighting control system "master"	120.00	130.00	136.00	196.00	
Ref. FP Lighting sensor control system "master"	219.00	235.00	243.00	302.00	
Ref. KE Emergency kit	110.00				

Rough increase of accessories

Ref. 1213 Flow recuperator	12.50	25.00	35.00	52.00
Ref. 1211 Suspension kit	26.80			
Ref. WL Wieland connector	16.30			

Example to write a reference with options



Surface Virtus. T8 LED lamps

Includes parabolic brightness aluminium "V" diffuser, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305B 109 85	1x9W	170 x 635	138.86	0.50	0.20
1305B 115 85	1x15W	170 x 1230	191.17	0.50	0.20
1305B 119 85	1x19W	170 x 1530	246.49	0.50	0.20
1305B 209 85	2x9W	260 x 635	202.34	0.50	0.40
1305B 215 85	2x15W	260 x 1230	291.13	0.50	0.40
1305B 219 85	2x19W	260 x 1530	402.54	0.50	0.40
1305B 309 85	3x9W	575 x 635	289.07	0.50	0.60
1305B 315 85	3x15W	575 x 1230	454.98	0.50	0.60
1305B 409 85	4x9W	575 x 635	365.28	0.50	0.80
1305B 415 85	4x15W	575 x 1230	572.05	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes parabolic white-lacquered "v" diffuser, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305A 109 85	1x9W	170 x 635	140.20	0.50	0.20
1305A 115 85	1x15W	170 x 1230	193.90	0.50	0.20
1305A 119 85	1x19W	170 x 1530	248.80	0.50	0.20
1305A 209 85	2x9W	260 x 635	205.10	0.50	0.40
1305A 215 85	2x15W	260 x 1230	294.80	0.50	0.40
1305A 219 85	2x19W	260 x 1530	407.20	0.50	0.40
1305A 309 85	3x9W	575 x 635	295.10	0.50	0.60
1305A 315 85	3x15W	575 x 1230	461.20	0.50	0.60
1305A 409 85	4x9W	575 x 635	369.10	0.50	0.80
1305A 415 85	4x15W	575 x 1230	577.80	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes low brightness diffuser (double parabolic), driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Z 109 85	1x9W	170 x 635	161.78	0.50	0.20
1305Z 115 85	1x15W	170 x 1230	217.55	0.50	0.20
1305Z 119 85	1x19W	170 x 1530	275.89	0.50	0.20
1305Z 209 85	2x9W	260 x 635	221.38	0.50	0.40
1305Z 215 85	2x15W	260 x 1230	317.36	0.50	0.40
1305Z 219 85	2x19W	260 x 1530	433.75	0.50	0.40
1305Z 309 85	3x9W	575 x 635	314.10	0.50	0.60
1305Z 315 85	3x15W	575 x 1230	496.80	0.50	0.60
1305Z 409 85	4x9W	575 x 635	384.29	0.50	0.80
1305Z 415 85	4x15W	575 x 1230	616.60	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes prismatic diffuser, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305P 109 85	1x9W	170 x 635	158.95	0.50	0.20
1305P 115 85	1x15W	170 x 1230	227.02	0.50	0.20
1305P 119 85	1x19W	170 x 1530	279.45	0.50	0.20
1305P 209 85	2x9W	260 x 635	220.56	0.50	0.40
1305P 215 85	2x15W	260 x 1230	341.16	0.50	0.40
1305P 219 85	2x19W	260 x 1530	471.55	0.50	0.40
1305P 309 85	3x9W	575 x 635	325.84	0.50	0.60
1305P 315 85	3x15W	575 x 1230	523.88	0.50	0.60
1305P 409 85	4x9W	575 x 635	399.19	0.50	0.80
1305P 415 85	4x15W	575 x 1230	639.77	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Q 109 85	1x9W	170 x 635	160.90	0.50	0.20
1305Q 115 85	1x15W	170 x 1230	230.90	0.50	0.20
1305Q 119 85	1x19W	170 x 1530	284.60	0.50	0.20
1305Q 209 85	2x9W	260 x 635	224.10	0.50	0.40
1305Q 215 85	2x15W	260 x 1230	346.20	0.50	0.40
1305Q 219 85	2x19W	260 x 1530	477.10	0.50	0.40
1305Q 309 85	3x9W	575 x 635	325.84	0.50	0.60
1305Q 315 85	3x15W	575 x 1230	523.88	0.50	0.60
1305Q 409 85	4x9W	575 x 635	399.19	0.50	0.80
1305Q 415 85	4x15W	575 x 1230	644.90	0.50	0.80

* Supplied in a standard manner with 5400° K lamp



LED

Driver suitable to type of lamp and wattage included in each model.

T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.

OPTIONS

Rough price increase of driver	RAEE		
	2x9w	2x15w	4x9w
Ref. DR Dimmable driver 1-10v	79.90	79.90	79.90
LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
T8 LED 9w / 15w / 19w	•	•	•

Includes prismatic diffuser IP44, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305P44 109 85	1x9W	170 x 635	180.06	0.50	0.20
1305P44 115 85	1x15W	170 x 1230	260.29	0.50	0.20
1305P44 119 85	1x19W	170 x 1530	323.43	0.50	0.20
1305P44 209 85	2x9W	260 x 635	243.01	0.50	0.40
1305P44 215 85	2x15W	260 x 1230	379.41	0.50	0.40
1305P44 219 85	2x19W	260 x 1530	514.29	0.50	0.40
1305P44 309 85	3x9W	575 x 635	356.44	0.50	0.60
1305P44 315 85	3x15W	575 x 1230	570.44	0.50	0.60
1305P44 409 85	4x9W	575 x 635	430.71	0.50	0.80
1305P44 415 85	4x15W	575 x 1230	686.43	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser IP44, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Q44 109 85	1x9W	170 x 635	181.80	0.50	0.20
1305Q44 115 85	1x15W	170 x 1230	262.60	0.50	0.20
1305Q44 119 85	1x19W	170 x 1530	325.90	0.50	0.20
1305Q44 209 85	2x9W	260 x 635	246.10	0.50	0.40
1305Q44 215 85	2x15W	260 x 1230	379.41	0.50	0.40
1305Q44 219 85	2x19W	260 x 1530	517.80	0.50	0.40
1305Q44 309 85	3x9W	575 x 635	359.50	0.50	0.60
1305Q44 315 85	3x15W	575 x 1230	576.10	0.50	0.60
1305Q44 409 85	4x9W	575 x 635	434.60	0.50	0.80
1305Q44 415 85	4x15W	575 x 1230	689.50	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes prismatic diffuser sealed IP65, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305P65 109 85	1x9W	170 x 635	215.18	0.50	0.20
1305P65 115 85	1x15W	170 x 1230	308.80	0.50	0.20
1305P65 119 85	1x19W	170 x 1530	377.50	0.50	0.20
1305P65 209 85	2x9W	260 x 635	280.50	0.50	0.40
1305P65 215 85	2x15W	260 x 1230	453.43	0.50	0.40
1305P65 219 85	2x19W	260 x 1530	577.22	0.50	0.40
1305P65 309 85	3x9W	575 x 635	404.22	0.50	0.60
1305P65 315 85	3x15W	575 x 1230	645.43	0.50	0.60
1305P65 409 85	4x9W	575 x 635	479.54	0.50	0.80
1305P65 415 85	4x15W	575 x 1230	767.39	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

Includes opal diffuser sealed IP65, driver and T8 LED lamps.

Ref.	W	Measures	€	RAEE	
				lum.	lamp
1305Q65 109 85	1x9W	170 x 635	216.90	0.50	0.20
1305Q65 115 85	1x15W	170 x 1230	311.10	0.50	0.20
1305Q65 119 85	1x19W	170 x 1530	379.80	0.50	0.20
1305Q65 209 85	2x9W	260 x 635	283.80	0.50	0.40
1305Q65 215 85	2x15W	260 x 1230	456.10	0.50	0.40
1305Q65 219 85	2x19W	260 x 1530	581.10	0.50	0.40
1305Q65 309 85	3x9W	575 x 635	406.46	0.50	0.60
1305Q65 315 85	3x15W	575 x 1230	649.20	0.50	0.60
1305Q65 409 85	4x9W	575 x 635	483.22	0.50	0.80
1305Q65 415 85	4x15W	575 x 1230	773.10	0.50	0.80

* Supplied in a standard manner with 5400° K lamp



APPLICATIONS FOR FLUORESCENCE**Chromatic Reproduction Index (IRC or Ra).**

We use a scale from 0 to 100 to measure how a luminous source can reproduce the aspect of colours towards a "pattern luminous source".

We measure the difference between the colour coming from our luminous source and the real light it would had under normalized light of such a "pattern luminous source".

Colour temperature (Tc)

It is the temperature (Kelvin degrees) reached by a black object when heating up to give out the same light as our luminous source.

There is a normalized chart for colours or wavelengths emitted by a black object or "perfect radiator", according to Kelvin degrees.

Colour temperature indicates the seeming light of a luminous source, there are 3 major groups:

Warm (yellow light): From 2700°K to 3500°K (around)

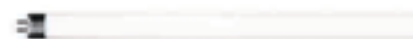
Neutral: From 3500°K to 4000°K (around)

Cold (White light): From 4000°K to 6000°K (around)

Ref. **83** lamp 830 / 3000K°

Ref. **84** lamp 840 / 4000K°

Ref. **86** lamp 865 / 6500K°



Colour temperature must match lighting levels to create a natural and nice feeling. Such effect can be checked through a diagram called: "Kruithof chart"

Diffusers

Ref. **B** Parabolic brightness aluminium "v" diffuser

Ref. **A** Parabolic white-lacquered "v" diffuser

Ref. **P** Prismatic diffuser

Ref. **Z** Low brightness diffuser (double parabolic)

Ref. **Q** Opal diffuser

Ref. **P44** Prismatic diffuser IP44

Ref. **Q44** Opal diffuser IP44

Ref. **P65** Prismatic diffuser sealed IP65

Ref. **Q65** Opal diffuser sealed IP65

Ref. **M** Difusor microperforado

Ref. **B**Ref. **A**Ref. **Z**Ref. **P/P44/P65**Ref. **Q/Q44/Q65**

EQUIPMENT OPTIONS

Ref. BE Electronic Ballast with preheating.

The use of this ballast means an energetic save of 25% compared with the conventional control gear, which increases the endurance of lamps up to a 50%, which is especially important when there is a lot of on and off switching everyday. It corrects the flow of power and the blinking when functioning with high frequencies. As a result of the low consumption, we reduce the CO2 emission into the atmosphere.

Ref. BR Electronic Dimmable Ballast 1-10v.

With the same characteristics than the Electronic Ballast with preheating, also allows analogic dimming that lets the user to control the intensity of light from 1% to 100% with the dimmer into the switch.

Ref. TD Electronic Dimmable Ballast Touch and Dim/DALI.

With the same characteristics than the Electronic Ballast with preheating, also allows dimming with a switch, which lets the adjustment of light as wished. One push to switch on and off, and keep pushed to dimm. Compatible with DALI protocol.

Ref. CF Lighting Flow Control.

With the same characteristics than the Electronic Ballast with preheating, it is a device which includes a sensor of the lighting needed depending on the surrounding natural light. Its aim is to save energy, compensating the excessive light caused by overdimensioned lighting structure. This device if attached to the lamp with a simple clip, and is connected to the electronic dimmable ballast 1-10V (ref. BR). Wherever such ballast is connected it will be named as "master", and depending on the amount of light received by the sensor in the master ballast, it can be dimmed up to 20 "slave" ballasts in line. (These should also be Electronic dimmable ballast 1 – 10 V). This sensor also has a rotating diaphragm, that allows to adjust manually the light intensity.

Ref. FP Lighting Flow and Presence Control.

With the same characteristics than the Electronic Ballast with preheating, it is a device based on a multiple sensor (natural light level, movement and IR receiver), and a control which turns sensor information into a digital signal. The Touch & Dali ballast connected to this system will become the "master" ballast. This system can control a maximum of 8 "slave" ballasts (which also have to be electronic dimmable Touch & Dali ballast). Lamps luminous intensity is regulated according to the amount of natural light and the physical presence, without any type of programming. This system allows adapting automatically delays so that it gradually reduces intensity as it detected empty areas, while keeping a comfortable distribution without umbra. It reaches energy savings of 75%. It also allows varying programming by changing pre-programmed light level with a button in the sensor device adapted to the needs of the installation. It is not necessary to use switches with cables and so, it considerably reduces installation costs. At the same time it increases flexibility in case of changes in distribution and lighting rooms.



Lighting control system



Lighting sensor control system

Technical data	Lighting control system	Lighting sensor control system
	Ref. CF	Ref. FP
Control system according to sunlight	YES	YES
Movement sensor	NO	YES
IR remote control	NO	YES
Switching	NO	YES
Maximum number of slave units	20	8
Type of ballast	BR	TD
Maximum height of set-up	4 m	3.5 m

Ref. KE Emergency kit

In case of power cut, the emergency kit system allows an easy and safe evacuation of users outside. The system has an internal storage battery in constant charge which able to supply 30% of its power during a maximum of 3 hours.



Recessed polyvalent Enerfi. 1 T5 lamp

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref. Z). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm , supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D	
1x14	197	610	175x580
1x21	197	916	175x880
1x24	197	610	175x580
1x28	197	1210	175x1180
1x35	197	1510	175x1480
1x39	197	910	175x880
1x49	197	1510	175x1480
1x54	197	1210	175x1180
1x80	197	1510	175x1480



Prismatic diffuser



Opal diffuser

Includes parabolic brightness aluminium "v" diffuser, 1 lamp 84 and clutchers.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1216 84	1x14W	197 x 610	175 x 580	111.86	0.50	0.30
1217 84	1x21W	197 x 916	175 x 880	124.25	0.50	0.30
1218 84	1x24W	197 x 610	175 x 580	111.86	0.50	0.30
1220 84	1x28W	197 x 1210	175 x 1180	124.25	0.50	0.30
1221 84	1x35W	197 x 1510	175 x 1480	135.33	0.50	0.30
1222 84	1x39W	197 x 910	175 x 880	124.25	0.50	0.30
1223 84	1x49W	197 x 1510	175 x 1480	135.33	0.50	0.30
1224 84	1x54W	197 x 1210	175 x 1180	124.25	0.50	0.30
1225 84	1x80W	197 x 1510	175 x 1480	141.14	0.50	0.30

Includes low brightness diffuser (double parabolic), 1 lamp 84 and clutchers.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1216Z 84	1x14W	197 x 610	175 x 580	131.56	0.50	0.30
1217Z 84	1x21W	197 x 916	175 x 880	145.67	0.50	0.30
1218Z 84	1x24W	197 x 610	175 x 580	131.56	0.50	0.30
1220Z 84	1x28W	197 x 1210	175 x 1180	145.67	0.50	0.30
1221Z 84	1x35W	197 x 1510	175 x 1480	159.27	0.50	0.30
1222Z 84	1x39W	197 x 910	175 x 880	145.67	0.50	0.30
1223Z 84	1x49W	197 x 1480	175 x 1480	159.27	0.50	0.30
1224Z 84	1x54W	197 x 1210	175 x 1180	145.67	0.50	0.30
1225Z 84	1x80W	197 x 1510	175 x 1480	166.07	0.50	0.30



Recessed polyvalent Enerfi T5

Recessed polyvalent Enerfi. 1 T5 lamp

Includes prismatic diffuser, 1 lamp 84 and clutches.

Ref.	W	Measures	Ceilling module	€	RAEE lum.	RAEE lamp.
1216P 84	1x14W	197 x 610	175 x 580	129.40	0.50	0.30
1217P 84	1x21W	197 x 916	175 x 880	139.80	0.50	0.30
1218P 84	1x24W	197 x 610	175 x 580	129.40	0.50	0.30
1220P 84	1x28W	197 x 1210	175 x 1180	139.80	0.50	0.30
1221P 84	1x35W	197 x 1510	175 x 1480	206.45	0.50	0.30
1222P 84	1x39W	197 x 910	175 x 880	183.06	0.50	0.30
1223P 84	1x49W	197 x 1510	175 x 1480	206.45	0.50	0.30
1224P 84	1x54W	197 x 1210	175 x 1180	183.06	0.50	0.30
1225P 84	1x80W	197 x 1510	175 x 1480	207.89	0.50	0.30

Includes opal diffuser, 1 lamp 84 and clutches.

Ref.	W	Measures	Ceilling module	€	RAEE lum.	RAEE lamp.
1216Q 84	1x14W	197 x 610	175 x 580	130.12	0.50	0.30
1217Q 84	1x21W	197 x 916	175 x 880	140.83	0.50	0.30
1218Q 84	1x24W	197 x 610	175 x 580	130.12	0.50	0.30
1220Q 84	1x28W	197 x 1210	175 x 1180	140.83	0.50	0.30
1221Q 84	1x35W	197 x 1510	175 x 1480	207.87	0.50	0.30
1222Q 84	1x39W	197 x 910	175 x 880	183.97	0.50	0.30
1223Q 84	1x49W	197 x 1510	175 x 1480	207.87	0.50	0.30
1224Q 84	1x54W	197 x 1210	175 x 1180	183.97	0.50	0.30
1225Q 84	1x80W	197 x 1510	175 x 1480	208.42	0.50	0.30

Includes prismatic diffuser IP44, 1 lamp 84 and clutches.

Ref.	W	Measures	Ceilling module	€	RAEE lum.	RAEE lamp.
1216P44 84	1x14W	197 x 610	175 x 580	181.38	0.50	0.30
1217P44 84	1x21W	197 x 916	175 x 880	197.34	0.50	0.30
1218P44 84	1x24W	197 x 610	175 x 580	181.38	0.50	0.30
1220P44 84	1x28W	197 x 1210	175 x 1180	197.34	0.50	0.30
1221P44 84	1x35W	197 x 1510	175 x 1480	290.12	0.50	0.30
1222P44 84	1x39W	197 x 910	175 x 880	256.42	0.50	0.30
1223P44 84	1x49W	197 x 1510	175 x 1480	290.12	0.50	0.30
1224P44 84	1x54W	197 x 1210	175 x 1180	256.42	0.50	0.30
1225P44 84	1x80W	197 x 1510	175 x 1480	297.29	0.50	0.30

Includes opal diffuser IP44, 1 lamp 84 and clutches.

Ref.	W	Measures	Ceilling module	€	RAEE lum.	RAEE lamp.
1216Q44 84	1x14W	197 x 610	175 x 580	185.00	0.50	0.30
1217Q44 84	1x21W	197 x 916	175 x 880	201.23	0.50	0.30
1218Q44 84	1x24W	197 x 610	175 x 580	185.00	0.50	0.30
1220Q44 84	1x28W	197 x 1210	175 x 1180	201.23	0.50	0.30
1221Q44 84	1x35W	197 x 1510	175 x 1480	295.87	0.50	0.30
1222Q44 84	1x39W	197 x 910	175 x 880	261.50	0.50	0.30
1223Q44 84	1x49W	197 x 1510	175 x 1480	295.87	0.50	0.30
1224Q44 84	1x54W	197 x 1210	175 x 1180	261.50	0.50	0.30
1225Q44 84	1x80W	197 x 1510	175 x 1480	303.19	0.50	0.30

Includes prismatic diffuser sealed IP65, 1 lamp 84 and clutches.

Ref.	W	Measures	Ceilling module	€	RAEE lum.	RAEE lamp.
1216P65 84	1x14W	197 x 610	175 x 580	250.73	0.50	0.30
1217P65 84	1x21W	197 x 916	175 x 880	272.78	0.50	0.30
1218P65 84	1x24W	197 x 610	175 x 580	250.73	0.50	0.30
1220P65 84	1x28W	197 x 1210	175 x 1180	272.78	0.50	0.30
1221P65 84	1x35W	197 x 1510	175 x 1480	401.55	0.50	0.30
1222P65 84	1x39W	197 x 910	175 x 880	354.77	0.50	0.30
1223P65 84	1x49W	197 x 1510	175 x 1480	401.65	0.50	0.30
1224P65 84	1x54W	197 x 1210	175 x 1180	354.77	0.50	0.30
1225P65 84	1x80W	197 x 1510	175 x 1480	411.42	0.50	0.30

Includes opal diffuser sealed IP65, 1 lamp 84 and clutches.

Ref.	W	Measures	Ceilling module	€	RAEE lum.	RAEE lamp.
1216Q65 84	1x14W	197 x 610	175 x 580	255.70	0.50	0.30
1217Q65 84	1x21W	197 x 916	175 x 880	278.19	0.50	0.30
1218Q65 84	1x24W	197 x 610	175 x 580	255.70	0.50	0.30
1220Q65 84	1x28W	197 x 1210	175 x 1180	278.19	0.50	0.30
1221Q65 84	1x35W	197 x 1510	175 x 1480	409.52	0.50	0.30
1222Q65 84	1x39W	197 x 910	175 x 880	361.81	0.50	0.30
1223Q65 84	1x49W	197 x 1510	175 x 1480	409.78	0.50	0.30
1224Q65 84	1x54W	197 x 1210	175 x 1180	361.81	0.50	0.30
1225Q65 84	1x80W	197 x 1510	175 x 1480	412.51	0.50	0.30

OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp	
Ref. 86	865 / 6500°K Lamp	

Rough price increase of the finished frame

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

Rough increase of the control gear

	€	1 lamp
	€	€
Ref. BR Dimmable ballast 1-10v		63.00
Ref. TD Electronic ballast Touch and Dim		65.00
Ref. CF Lighting control system "master"		120.00
Ref. FP Lighting sensor control system "master"		270.00
Ref. KE Emergency kit	110.00	

Rough increase of accessories

	€
Ref. 1213 Flow recuperator	25.00
Ref. 1215 SCB safety cable	5.34
Ref. 1214 4 clutches set	2.30
Ref. WL Wieland connector	16.30



Ref. 1213 Flow recuperator.

Accessories

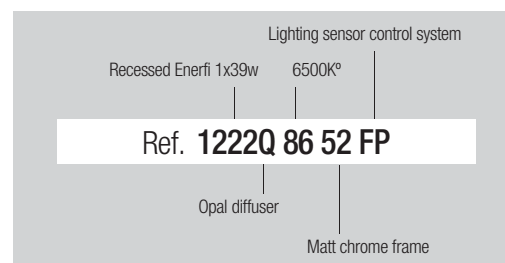


Ref. 1215 SCB safety cable for screen. Standard version 1 metre length. Made-to-measure possibility.



Ref. 1214 4 clutches set.

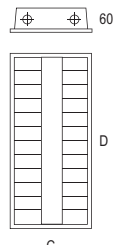
Example to write a reference with options



Recessed polyvalent Enerfi. 2 T5 lamps

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref. Z).
Micro punch diffuser (Ref M). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm , supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L).
We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D	
2x14	297	610	275x575
2x24	297	610	275x575
2x28	297	1210	275x1175
2x54	297	1210	275x1175
2x35	297	1510	275x1497
2x49	297	1510	275x1497
2x80	297	1510	275x1497



Prismatic diffuser



Opal diffuser

Includes parabolic brightness aluminium "v" diffuser, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226 84	2x14W	297 x 610	275 x 575	136.00	0.50	0.60
1227 84	2x24W	297 x 610	275 x 575	136.00	0.50	0.60
1228 84	2x28W	297 x 1210	275 x 1175	162.31	0.50	0.60
1229 84	2x35W	297 x 1510	275 x 1497	216.29	0.50	0.60
1230 84	2x49W	297 x 1510	275 x 1497	216.29	0.50	0.60
1231 84	2x54W	297 x 1210	275 x 1175	162.31	0.50	0.60
1232 84	2x80W	297 x 1510	275 x 1497	243.56	0.50	0.60

Includes low brightness diffuser (double parabolic), 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226Z 84	2x14W	297 x 610	275 x 575	164.30	0.50	0.60
1227Z 84	2x24W	297 x 610	275 x 575	164.31	0.50	0.60
1228Z 84	2x28W	297 x 1210	275 x 1175	197.48	0.50	0.60
1229Z 84	2x35W	297 x 1510	275 x 1497	261.96	0.50	0.60
1230Z 84	2x49W	297 x 1510	275 x 1497	261.96	0.50	0.60
1231Z 84	2x54W	297 x 1210	275 x 1175	197.48	0.50	0.60
1232Z 84	2x80W	297 x 1510	275 x 1497	296.57	0.50	0.60



Recessed polyvalent Enerfi T5

Recessed polyvalent Enerfi. 2 T5 lamps

Includes prismatic diffuser, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226P 84	2x14W	297 x 610	275 x 575	160.30	0.50	0.60
1227P 84	2x24W	297 x 610	275 x 575	160.30	0.50	0.60
1228P 84	2x28W	297 x 1210	275 x 1175	233.38	0.50	0.60
1229P 84	2x35W	297 x 1510	275 x 1497	302.79	0.50	0.60
1230P 84	2x49W	297 x 1510	275 x 1497	302.79	0.50	0.60
1231P 84	2x54W	297 x 1210	275 x 1175	233.38	0.50	0.60
1232P 84	2x80W	297 x 1510	275 x 1497	329.01	0.50	0.60

Includes opal diffuser, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226Q 84	2x14W	297 x 610	275 x 575	161.66	0.50	0.60
1227Q 84	2x24W	297 x 610	275 x 575	161.66	0.50	0.60
1228Q 84	2x28W	297 x 1210	275 x 1175	234.10	0.50	0.60
1229Q 84	2x35W	297 x 1510	275 x 1497	303.26	0.50	0.60
1230Q 84	2x49W	297 x 1510	275 x 1497	303.26	0.50	0.60
1231Q 84	2x54W	297 x 1210	275 x 1175	234.10	0.50	0.60
1232Q 84	2x80W	297 x 1510	275 x 1497	330.33	0.50	0.60

Includes prismatic diffuser IP44, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226P44 84	2x14W	297 x 610	275 x 575	223.38	0.50	0.60
1227P44 84	2x24W	297 x 610	275 x 575	223.38	0.50	0.60
1228P44 84	2x28W	297 x 1210	275 x 1175	311.09	0.50	0.60
1229P44 84	2x35W	297 x 1510	275 x 1497	404.25	0.50	0.60
1230P44 84	2x49W	297 x 1510	275 x 1497	404.25	0.50	0.60
1231P44 84	2x54W	297 x 1210	275 x 1175	311.09	0.50	0.60
1232P44 84	2x80W	297 x 1510	275 x 1497	427.48	0.50	0.60

Includes opal diffuser IP44, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226Q44 84	2x14W	297 x 610	275 x 575	227.06	0.50	0.60
1227Q44 84	2x24W	297 x 610	275 x 575	227.06	0.50	0.60
1228Q44 84	2x28W	297 x 1210	275 x 1175	316.24	0.50	0.60
1229Q44 84	2x35W	297 x 1510	275 x 1497	411.31	0.50	0.60
1230Q44 84	2x49W	297 x 1510	275 x 1497	411.31	0.50	0.60
1231Q44 84	2x54W	297 x 1210	275 x 1175	325.65	0.50	0.60
1232Q44 84	2x80W	297 x 1510	275 x 1497	435.14	0.50	0.60

Includes prismatic diffuser sealed IP65, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226P65 84	2x14W	297 x 610	275 x 575	305.24	0.50	0.60
1227P65 84	2x24W	297 x 610	275 x 575	305.24	0.50	0.60
1228P65 84	2x28W	297 x 1210	275 x 1175	412.89	0.50	0.60
1229P65 84	2x35W	297 x 1510	275 x 1497	507.82	0.50	0.60
1230P65 84	2x49W	297 x 1510	275 x 1497	507.82	0.50	0.60
1231P65 84	2x54W	297 x 1210	275 x 1175	412.89	0.50	0.60
1232P65 84	2x80W	297 x 1510	275 x 1497	516.24	0.50	0.60

Includes opal diffuser sealed IP65, 2 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1226Q65 84	2x14W	297 x 610	275 x 575	309.44	0.50	0.60
1227Q65 84	2x24W	297 x 610	275 x 575	309.44	0.50	0.60
1228Q65 84	2x28W	297 x 1210	275 x 1175	412.94	0.50	0.60
1229Q65 84	2x35W	297 x 1510	275 x 1497	509.94	0.50	0.60
1230Q65 84	2x49W	297 x 1510	275 x 1497	509.94	0.50	0.60
1231Q65 84	2x54W	297 x 1210	275 x 1175	412.94	0.50	0.60
1232Q65 84	2x80W	297 x 1510	275 x 1497	516.37	0.50	0.60

OPTIONS

IRC / Colour temperature

Ref. 83 830 / 3000°K Lamp

Ref. 86 865 / 6500°K Lamp

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	2x14/24/28/35/49/54w	2x80w
Ref. BR	Dimmable ballast 1-10v		72.00	99.00
Ref. TD	Electronic ballast Touch and Dim		74.00	101.00
Ref. CF	Lighting control system "master"		129.00	156.00
Ref. FP	Lighting sensor control system "master"		290.00	320.00
Ref. KE	Emergency kit	110.00		

Rough increase of accessories

Ref.	Description	€
Ref. 1213	Flow recuperator	28.00
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. L	Customised logo printed in four colour process	15.00
Ref. M	Micro punch diffuser	7.50
Ref. WL	Wieland connector	16.30



Ref. L Customised logo printed in four colour process.



Ref. M Micro punch diffuser

Accessories



Ref. 1215 SCB safety cable for screen. Standard version 1 metre length. Made-to-measure possibility.

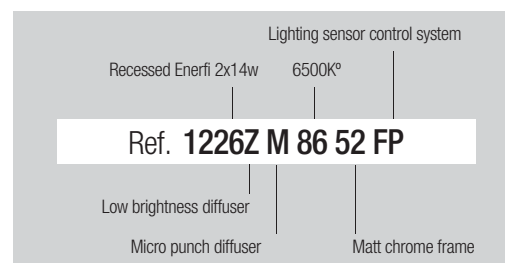


Ref. 1214 4 clutches set.



Ref. 1213 Flow recuperator.

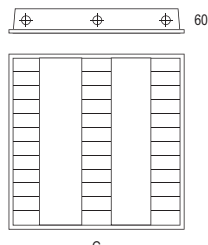
Example to write a reference with options



Recessed polyvalent Enerfi. 3 T5 lamps

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref. Z).
Micro punch diffuser. (Ref M). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L).
We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90)



w	C	D	
3x14	610	610	575x575
3x24	610	610	575x575
3x28	610	1210	575x1175
3x54	610	1210	575x1175



Prismatic diffuser



Opal diffuser

Includes parabolic brightness aluminium "v" diffuser, 3 T5 lamps 84 and clutchers.

Ref.	W	Measures	Ceilling module	€	RAEE lum. lamp.	
1233 84	3x14W	610 x 610	575 x 575	161.06	0.50	0.90
1234 84	3x24W	610 x 610	575 x 575	161.33	0.50	0.90
1235 84	3x28W	610 x 1210	575 x 1175	208.09	0.50	0.90
1236 84	3x54W	610 x 1210	575 x 1175	208.09	0.50	0.90

Includes low brightness diffuser (double parabolic), 3 T5 lamps 84 and clutchers.

Ref.	W	Measures	Ceilling module	€	RAEE lum. lamp.	
1233Z 84	3x14W	610 x 610	575 x 575	192.75	0.50	0.90
1234Z 84	3x24W	610 x 610	575 x 575	192.75	0.50	0.90
1235Z 84	3x28W	610 x 1210	575 x 1175	239.20	0.50	0.90
1236Z 84	3x54W	610 x 1210	575 x 1175	239.20	0.50	0.90



Recessed polyvalent Enerfi T5

Recessed polyvalent Enerfi. 3 T5 lamps

Includes prismatic diffuser, 3 T5 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1233P 84	3x14W	610 x 610	575 x 575	202.32	0.50	0.90
1234P 84	3x24W	610 x 610	575 x 575	202.45	0.50	0.90
1235P 84	3x28W	610 x 1210	575 x 1175	278.96	0.50	0.90
1236P 84	3x54W	610 x 1210	575 x 1175	278.96	0.50	0.90

Includes opal diffuser, 3 T5 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1233Q 84	3x14W	610 x 610	575 x 575	204.67	0.50	0.90
1234Q 84	3x24W	610 x 610	575 x 575	205.02	0.50	0.90
1235Q 84	3x28W	610 x 1210	575 x 1175	280.50	0.50	0.90
1236Q 84	3x54W	610 x 1210	575 x 1175	280.50	0.50	0.90

Includes prismatic diffuser IP44, 3 T5 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1233P44 84	3x14W	610 x 610	575 x 575	255.27	0.50	0.90
1234P44 84	3x24W	610 x 610	575 x 575	255.47	0.50	0.90
1235P44 84	3x28W	610 x 1210	575 x 1175	349.41	0.50	0.90
1236P44 84	3x54W	610 x 1210	575 x 1175	349.41	0.50	0.90

Includes opal diffuser IP44, 3 T5 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1233Q44 84	3x14W	610 x 610	575 x 575	256.50	0.50	0.90
1234Q44 84	3x24W	610 x 610	575 x 575	256.60	0.50	0.90
1235Q44 84	3x28W	610 x 1210	575 x 1175	358.78	0.50	0.90
1236Q44 84	3x54W	610 x 1210	575 x 1175	358.78	0.50	0.90

Includes prismatic diffuser sealed IP65, 3 T5 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1233P65 84	3x14W	610 x 610	575 x 575	346.68	0.50	0.90
1234P65 84	3x24W	610 x 610	575 x 575	347.14	0.50	0.90
1235P65 84	3x28W	610 x 1210	575 x 1175	486.91	0.50	0.90
1236P65 84	3x54W	610 x 1210	575 x 1175	486.91	0.50	0.90

Includes opal diffuser sealed IP65, 3 T5 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1233Q65 84	3x14W	610 x 610	575 x 575	346.86	0.50	0.90
1234Q65 84	3x24W	610 x 610	575 x 575	347.16	0.50	0.90
1235Q65 84	3x28W	610 x 1210	575 x 1175	486.94	0.50	0.90
1236Q65 84	3x54W	610 x 1210	575 x 1175	486.94	0.50	0.90

OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	3x14/24w	3x28/54w
Ref. BR	Dimmable ballast 1-10v		90.00	130.00
Ref. TD	Electronic ballast Touch and Dim		95.00	140.00
Ref. CF	Lighting control system "master"		150.00	180.00
Ref. FP	Lighting sensor control system "master"		300.00	340.00
Ref. KE	Emergency kit	110.00		

Rough increase of accessories

Ref.	Description	€	3x14/24w	3x28/54w
Ref. 1213	Flow recuperator		28.00	50.00
Ref. 1215	SCB safety cable	5.34		
Ref. 1214	4 clutches set	2.30		
Ref. L	Customised logo printed in four colour process	15.00		
Ref. M	Micro punch diffuser	7.50		
Ref. WL	Wieland connector	16.30		



Ref. L Customised logo printed in four colour process.



Ref. M Micro punch diffuser

Accessories



Ref. 1215 SCB safety cable for screen. Standard version 1 metre length. Made-to-measure possibility.

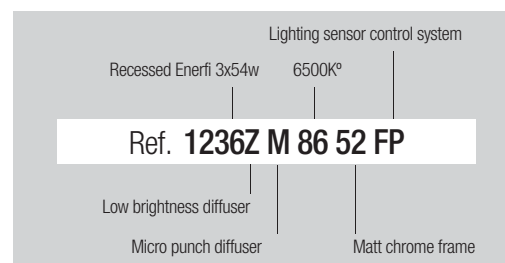


Ref. 1214 4 clutches set.



Ref. 1213 Flow recuperator.

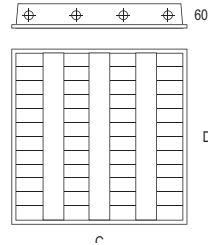
Example to write a reference with options



Recessed polyvalent Enerfi. 4 T5 lamps

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref. Z). Micro punch diffuser (Ref. M). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L). We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutches set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D	
4x14	610	610	575x575
4x24	610	610	575x575
4x28	610	1210	575x1175
4x54	610	1210	575x1175



Prismatic diffuser



Opal diffuser

Includes parabolic brightness aluminium "v" diffuser, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1237Z 84	4x14W	610 x 610	575 x 575	171.66	0.50	1.20
1238Z 84	4x24W	610 x 610	575 x 575	171.66	0.50	1.20
1239Z 84	4x28W	610 x 1210	575 x 1175	241.57	0.50	1.20
1240Z 84	4x54W	610 x 1210	575 x 1175	241.57	0.50	1.20

Includes low brightness diffuser (double parabolic), 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1237Z 84	4x14W	610 x 610	575 x 575	205.00	0.50	1.20
1238Z 84	4x24W	610 x 610	575 x 575	205.00	0.50	1.20
1239Z 84	4x28W	610 x 1210	575 x 1175	260.62	0.50	1.20
1240Z 84	4x54W	610 x 1210	575 x 1175	260.62	0.50	1.20



Recessed polyvalent Enerfi T5

Recessed polyvalent Enerfi. 4 T5 lamps

Includes prismatic diffuser, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1237P 84	4x14W	610 x 610	575 x 575	191.96	0.50	1.20
1238P 84	4x24W	610 x 610	575 x 575	191.96	0.50	1.20
1239P 84	4x28W	610 x 1210	575 x 1175	282.56	0.50	1.20
1240P 84	4x54W	610 x 1210	575 x 1175	282.56	0.50	1.20

Includes opal diffuser, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1237Q 84	4x14W	610 x 610	575 x 575	193.44	0.50	1.20
1238Q 84	4x24W	610 x 610	575 x 575	193.44	0.50	1.20
1239Q 84	4x28W	610 x 1210	575 x 1175	284.72	0.50	1.20
1240Q 84	4x54W	610 x 1210	575 x 1175	284.72	0.50	1.20

Includes prismatic diffuser IP44, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1237P44 84	4x14W	610 x 610	575 x 575	241.00	0.50	1.20
1238P44 84	4x24W	610 x 610	575 x 575	241.00	0.50	1.20
1239P44 84	4x28W	610 x 1210	575 x 1175	354.76	0.50	1.20
1240P44 84	4x54W	610 x 1210	575 x 1175	354.76	0.50	1.20

Includes opal diffuser IP44, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1237Q44 84	4x14W	610 x 610	575 x 575	257.78	0.50	1.20
1238Q44 84	4x24W	610 x 610	575 x 575	257.78	0.50	1.20
1239Q44 84	4x28W	610 x 1210	575 x 1175	356.92	0.50	1.20
1240Q44 84	4x54W	610 x 1210	575 x 1175	356.92	0.50	1.20

Includes prismatic diffuser sealed IP65, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1237P65 84	4x14W	610 x 610	575 x 575	348.99	0.50	1.20
1238P65 84	4x24W	610 x 610	575 x 575	348.99	0.50	1.20
1239P65 84	4x28W	610 x 1210	575 x 1175	484.34	0.50	1.20
1240P65 84	4x54W	610 x 1210	575 x 1175	484.34	0.50	1.20

Includes opal diffuser sealed IP65, 4 lamps 84 and clutches.

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1237Q65 84	4x14W	610 x 610	575 x 575	349.09	0.50	1.20
1238Q65 84	4x24W	610 x 610	575 x 575	349.09	0.50	1.20
1239Q65 84	4x28W	610 x 1210	575 x 1175	484.44	0.50	1.20
1240Q65 84	4x54W	610 x 1210	575 x 1175	484.44	0.50	1.20

OPTIONS

IRC / Colour temperature

Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

Rough increase of the control gear

	€	4x14/24w	4x28/54w
Ref. BR Dimmable ballast 1-10v		90.00	140.00
Ref. TD Electronic ballast Touch and Dim		95.00	160.00
Ref. CF Lighting control system "master"		150.00	200.00
Ref. FP Lighting sensor control system "master"		300.00	350.00
Ref. KE Emergency kit	110.00		

Rough increase of accessories

	€	4x14/24w	4x28/54w
Ref. 1213 Flow recuperator		30.00	52.00
Ref. 1215 SCB safety cable	5.34		
Ref. 1214 4 clutches set	2.30		
Ref. L Customised logo printed in four colour process	15.00		
Ref. M Micro punch diffuser	10.00		
Ref. WL Wieland connector	16.30		

Accessories



Ref. 1215
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.

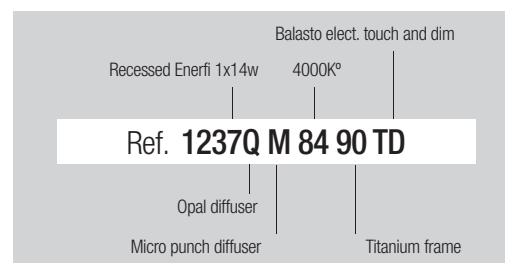


Ref. 1214
4 clutches set.



Ref. 1213
Flow recuperator.

Example to write a reference with options



Ref. L
Customised logo printed in four colour process.



Ref. M
Micro punch diffuser

Recessed screen continuous line Enerfi. 1 T5 lamp

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65)
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L). We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, and as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).

w	C	D	↗
1x14	197	593	175x580
1x21	197	893	175x880
1x24	197	593	175x580
1x28	197	1192	175x1180
1x35	197	1493	175x1480
1x39	197	893	175x880
1x49	197	1493	175x1480
1x54	197	1192	175x1180
1x80	197	1493	175x1480



Includes parabolic brightness aluminium "v" diffuser, 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1260 84 MP	1x14W	197 x 593	175 x 580	117.22	0.50	0.30
1260 84 MI	1x14W	197 x 580	175 x 580	117.22	0.50	0.30
1260 84 MF	1x14W	197 x 593	175 x 580	117.22	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1261 84 MP	1x21W	197 x 893	175 x 880	130.09	0.50	0.30
1261 84 MI	1x21W	197 x 880	175 x 880	130.09	0.50	0.30
1261 84 MF	1x21W	197 x 893	175 x 880	130.09	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1262 84 MP	1x24W	197 x 593	175 x 580	117.21	0.50	0.30
1262 84 MI	1x24W	197 x 580	175 x 580	117.21	0.50	0.30
1262 84 MF	1x24W	197 x 593	175 x 580	117.21	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1263 84 MP	1x28W	197 x 1192	175 x 1180	130.28	0.50	0.30
1263 84 MI	1x28W	197 x 1180	175 x 1180	130.28	0.50	0.30
1263 84 MF	1x28W	197 x 1192	175 x 1180	130.28	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1264 84 MP	1x35W	197 x 1493	175 x 1480	141.71	0.50	0.30
1264 84 MI	1x35W	197 x 1480	175 x 1480	141.71	0.50	0.30
1264 84 MF	1x35W	197 x 1493	175 x 1480	141.71	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1265 84 MP	1x39W	197 x 893	175 x 880	130.09	0.50	0.30
1265 84 MI	1x39W	197 x 880	175 x 880	130.09	0.50	0.30
1265 84 MF	1x39W	197 x 893	175 x 880	130.09	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1266 84 MP	1x49W	197 x 1493	175 x 1480	141.84	0.50	0.30
1266 84 MI	1x49W	197 x 1480	175 x 1480	141.84	0.50	0.30
1266 84 MF	1x49W	197 x 1493	175 x 1480	141.84	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1267 84 MP	1x54W	197 x 1192	175 x 1180	130.34	0.50	0.30
1267 84 MI	1x54W	197 x 1180	175 x 1180	130.34	0.50	0.30
1267 84 MF	1x54W	197 x 1192	175 x 1180	130.34	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1268 84 MP	1x80W	197 x 1493	175 x 1480	148.18	0.50	0.30
1268 84 MI	1x80W	197 x 1480	175 x 1480	148.18	0.50	0.30
1268 84 MF	1x80W	197 x 1493	175 x 1480	148.18	0.50	0.30



Recessed screen continuous line Enerfi 1xT5



Includes prismatic diffuser, 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
1260P 84 MP	1x14W	197 x 593	175 x 580	139.80	0.50	0.30
1260P 84 MI	1x14W	197 x 580	175 x 580	139.80	0.50	0.30
1260P 84 MF	1x14W	197 x 593	175 x 580	139.80	0.50	0.30
1261P 84 MP	1x21W	197 x 893	175 x 880	154.86	0.50	0.30
1261P 84 MI	1x21W	197 x 880	175 x 880	154.86	0.50	0.30
1261P 84 MF	1x21W	197 x 893	175 x 880	154.86	0.50	0.30
1262P 84 MP	1x24W	197 x 593	175 x 580	139.80	0.50	0.30
1262P 84 MI	1x24W	197 x 580	175 x 580	139.80	0.50	0.30
1262P 84 MF	1x24W	197 x 593	175 x 580	139.80	0.50	0.30
1263P 84 MP	1x28W	197 x 1192	175 x 1180	155.12	0.50	0.30
1263P 84 MI	1x28W	197 x 1180	175 x 1180	155.12	0.50	0.30
1263P 84 MF	1x28W	197 x 1192	175 x 1180	155.12	0.50	0.30
1264P 84 MP	1x35W	197 x 1493	175 x 1480	169.41	0.50	0.30
1264P 84 MI	1x35W	197 x 1480	175 x 1480	169.41	0.50	0.30
1264P 84 MF	1x35W	197 x 1493	175 x 1480	169.41	0.50	0.30
1265P 84 MP	1x39W	197 x 893	175 x 880	154.86	0.50	0.30
1265P 84 MI	1x39W	197 x 880	175 x 880	154.86	0.50	0.30
1265P 84 MF	1x39W	197 x 893	175 x 880	154.86	0.50	0.30
1266P 84 MP	1x49W	197 x 1493	175 x 1480	169.54	0.50	0.30
1266P 84 MI	1x49W	197 x 1480	175 x 1480	169.54	0.50	0.30
1266P 84 MF	1x49W	197 x 1493	175 x 1480	169.54	0.50	0.30
1267P 84 MP	1x54W	197 x 1192	175 x 1180	155.18	0.50	0.30
1267P 84 MI	1x54W	197 x 1180	175 x 1180	155.18	0.50	0.30
1267P 84 MF	1x54W	197 x 1192	175 x 1180	155.18	0.50	0.30
1268P 84 MP	1x80W	197 x 1493	175 x 1480	176.43	0.50	0.30
1268P 84 MI	1x80W	197 x 1480	175 x 1480	176.43	0.50	0.30
1268P 84 MF	1x80W	197 x 1493	175 x 1480	176.43	0.50	0.30



Includes opal diffuser, 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
1260Q 84 MP	1x14W	197 x 593	175 x 580	139.82	0.50	0.30
1260Q 84 MI	1x14W	197 x 580	175 x 580	139.82	0.50	0.30
1260Q 84 MF	1x14W	197 x 593	175 x 580	139.82	0.50	0.30
1261Q 84 MP	1x21W	197 x 893	175 x 880	154.88	0.50	0.30
1261Q 84 MI	1x21W	197 x 880	175 x 880	154.88	0.50	0.30
1261Q 84 MF	1x21W	197 x 893	175 x 880	154.88	0.50	0.30
1262Q 84 MP	1x24W	197 x 593	175 x 580	139.82	0.50	0.30
1262Q 84 MI	1x24W	197 x 580	175 x 580	139.82	0.50	0.30
1262Q 84 MF	1x24W	197 x 593	175 x 580	139.82	0.50	0.30
1263Q 84 MP	1x28W	197 x 1192	175 x 1180	155.15	0.50	0.30
1263Q 84 MI	1x28W	197 x 1180	175 x 1180	155.15	0.50	0.30
1263Q 84 MF	1x28W	197 x 1192	175 x 1180	155.15	0.50	0.30
1264Q 84 MP	1x35W	197 x 1493	175 x 1480	169.44	0.50	0.30
1264Q 84 MI	1x35W	197 x 1480	175 x 1480	169.44	0.50	0.30
1264Q 84 MF	1x35W	197 x 1493	175 x 1480	169.44	0.50	0.30
1265Q 84 MP	1x39W	197 x 893	175 x 880	154.90	0.50	0.30
1265Q 84 MI	1x39W	197 x 880	175 x 880	154.90	0.50	0.30
1265Q 84 MF	1x39W	197 x 893	175 x 880	154.90	0.50	0.30
1266Q 84 MP	1x49W	197 x 1493	175 x 1480	169.55	0.50	0.30
1266Q 84 MI	1x49W	197 x 1480	175 x 1480	169.55	0.50	0.30
1266Q 84 MF	1x49W	197 x 1493	175 x 1480	169.55	0.50	0.30
1267Q 84 MP	1x54W	197 x 1192	175 x 1180	155.20	0.50	0.30
1267Q 84 MI	1x54W	197 x 1180	175 x 1180	155.20	0.50	0.30
1267Q 84 MF	1x54W	197 x 1192	175 x 1180	155.20	0.50	0.30
1268Q 84 MP	1x80W	197 x 1493	175 x 1480	176.47	0.50	0.30
1268Q 84 MI	1x80W	197 x 1480	175 x 1480	176.47	0.50	0.30
1268Q 84 MF	1x80W	197 x 1493	175 x 1480	176.47	0.50	0.30

Recessed screen continuous line Enerfi. 1 T5 lamp

Includes prismatic diffuser IP44 and 1 lamp 84 and clutches.

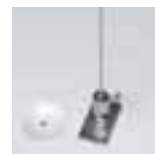
Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1260P44 84 MP	1x14W	197 x 593	175 x 580	145.03	0.50	0.30
1260P44 84 MI	1x14W	197 x 580	175 x 580	145.03	0.50	0.30
1260P44 84 MF	1x14W	197 x 593	175 x 580	145.03	0.50	0.30
1261P44 84 MP	1x21W	197 x 893	175 x 880	172.32	0.50	0.30
1261P44 84 MI	1x21W	197 x 880	175 x 880	172.32	0.50	0.30
1261P44 84 MF	1x21W	197 x 893	175 x 880	172.32	0.50	0.30
1262P44 84 MP	1x24W	197 x 593	175 x 580	141.94	0.50	0.30
1262P44 84 MI	1x24W	197 x 580	175 x 580	141.94	0.50	0.30
1262P44 84 MF	1x24W	197 x 593	175 x 580	141.94	0.50	0.30
1263P44 84 MP	1x28W	197 x 1192	175 x 1180	191.05	0.50	0.30
1263P44 84 MI	1x28W	197 x 1180	175 x 1180	191.05	0.50	0.30
1263P44 84 MF	1x28W	197 x 1192	175 x 1180	191.05	0.50	0.30
1264P44 84 MP	1x35W	197 x 1493	175 x 1480	201.45	0.50	0.30
1264P44 84 MI	1x35W	197 x 1480	175 x 1480	201.45	0.50	0.30
1264P44 84 MF	1x35W	197 x 1493	175 x 1480	201.45	0.50	0.30
1265P44 84 MP	1x39W	197 x 893	175 x 880	172.32	0.50	0.30
1265P44 84 MI	1x39W	197 x 880	175 x 880	172.32	0.50	0.30
1265P44 84 MF	1x39W	197 x 893	175 x 880	172.32	0.50	0.30
1266P44 84 MP	1x49W	197 x 1493	175 x 1480	201.58	0.50	0.30
1266P44 84 MI	1x49W	197 x 1480	175 x 1480	201.58	0.50	0.30
1266P44 84 MF	1x49W	197 x 1493	175 x 1480	201.58	0.50	0.30
1267P44 84 MP	1x54W	197 x 1192	175 x 1180	191.11	0.50	0.30
1267P44 84 MI	1x54W	197 x 1180	175 x 1180	191.11	0.50	0.30
1267P44 84 MF	1x54W	197 x 1192	175 x 1180	191.11	0.50	0.30
1268P44 84 MP	1x80W	197 x 1493	175 x 1480	206.88	0.50	0.30
1268P44 84 MI	1x80W	197 x 1480	175 x 1480	206.88	0.50	0.30
1268P44 84 MF	1x80W	197 x 1493	175 x 1480	206.88	0.50	0.30

Includes opal diffuser IP44 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1260Q44 84 MP	1x14W	197 x 593	175 x 580	146.08	0.50	0.30
1260Q44 84 MI	1x14W	197 x 580	175 x 580	146.08	0.50	0.30
1260Q44 84 MF	1x14W	197 x 593	175 x 580	146.08	0.50	0.30
1261Q44 84 MP	1x21W	197 x 893	175 x 880	173.38	0.50	0.30
1261Q44 84 MI	1x21W	197 x 880	175 x 880	173.38	0.50	0.30
1261Q44 84 MF	1x21W	197 x 893	175 x 880	173.38	0.50	0.30
1262Q44 84 MP	1x24W	197 x 593	175 x 580	142.99	0.50	0.30
1262Q44 84 MI	1x24W	197 x 580	175 x 580	142.99	0.50	0.30
1262Q44 84 MF	1x24W	197 x 593	175 x 580	142.99	0.50	0.30
1263Q44 84 MP	1x28W	197 x 1192	175 x 1180	192.12	0.50	0.30
1263Q44 84 MI	1x28W	197 x 1180	175 x 1180	192.12	0.50	0.30
1263Q44 84 MF	1x28W	197 x 1192	175 x 1180	192.12	0.50	0.30
1264Q44 84 MP	1x35W	197 x 1493	175 x 1480	202.53	0.50	0.30
1264Q44 84 MI	1x35W	197 x 1480	175 x 1480	202.53	0.50	0.30
1264Q44 84 MF	1x35W	197 x 1493	175 x 1480	202.53	0.50	0.30
1265Q44 84 MP	1x39W	197 x 893	175 x 880	173.38	0.50	0.30
1265Q44 84 MI	1x39W	197 x 880	175 x 880	173.38	0.50	0.30
1265Q44 84 MF	1x39W	197 x 893	175 x 880	173.38	0.50	0.30
1266Q44 84 MP	1x49W	197 x 1493	175 x 1480	202.63	0.50	0.30
1266Q44 84 MI	1x49W	197 x 1480	175 x 1480	202.63	0.50	0.30
1266Q44 84 MF	1x49W	197 x 1493	175 x 1480	202.63	0.50	0.30
1267Q44 84 MP	1x54W	197 x 1192	175 x 1180	192.18	0.50	0.30
1267Q44 84 MI	1x54W	197 x 1180	175 x 1180	192.18	0.50	0.30
1267Q44 84 MF	1x54W	197 x 1192	175 x 1180	192.18	0.50	0.30
1268Q44 84 MP	1x80W	197 x 1493	175 x 1480	207.93	0.50	0.30
1268Q44 84 MI	1x80W	197 x 1480	175 x 1480	207.93	0.50	0.30
1268Q44 84 MF	1x80W	197 x 1493	175 x 1480	207.93	0.50	0.30

Accessories

Ref. **1215**
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.



Ref. **1214**
4 clutches set.



Ref. **1213**
Flow recuperator.

Recessed screen continuous line Enerfi. 1 T5 lamp

Recessed screen continuous line Enerfi 1xT5

Includes prismatic diffuser sealed IP65 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1260P65 84 MP	1x14W	197 x 593	175 x 580	197.73	0.50	0.30
1260P65 84 MI	1x14W	197 x 580	175 x 580	197.73	0.50	0.30
1260P65 84 MF	1x14W	197 x 593	175 x 580	197.73	0.50	0.30
1261P65 84 MP	1x21W	197 x 893	175 x 880	219.61	0.50	0.30
1261P65 84 MI	1x21W	197 x 880	175 x 880	219.61	0.50	0.30
1261P65 84 MF	1x21W	197 x 893	175 x 880	219.61	0.50	0.30
1262P65 84 MP	1x24W	197 x 593	175 x 580	197.73	0.50	0.30
1262P65 84 MI	1x24W	197 x 580	175 x 580	197.73	0.50	0.30
1262P65 84 MF	1x24W	197 x 593	175 x 580	197.73	0.50	0.30
1263P65 84 MP	1x28W	197 x 1192	175 x 1180	219.98	0.50	0.30
1263P65 84 MI	1x28W	197 x 1180	175 x 1180	219.98	0.50	0.30
1263P65 84 MF	1x28W	197 x 1192	175 x 1180	219.98	0.50	0.30
1264P65 84 MP	1x35W	197 x 1493	175 x 1480	239.42	0.50	0.30
1264P65 84 MI	1x35W	197 x 1480	175 x 1480	239.42	0.50	0.30
1264P65 84 MF	1x35W	197 x 1493	175 x 1480	239.42	0.50	0.30
1265P65 84 MP	1x39W	197 x 893	175 x 880	219.64	0.50	0.30
1265P65 84 MI	1x39W	197 x 880	175 x 880	219.64	0.50	0.30
1265P65 84 MF	1x39W	197 x 893	175 x 880	219.64	0.50	0.30
1266P65 84 MP	1x49W	197 x 1493	175 x 1480	239.56	0.50	0.30
1266P65 84 MI	1x49W	197 x 1480	175 x 1480	239.56	0.50	0.30
1266P65 84 MF	1x49W	197 x 1493	175 x 1480	239.56	0.50	0.30
1267P65 84 MP	1x54W	197 x 1192	175 x 1180	220.05	0.50	0.30
1267P65 84 MI	1x54W	197 x 1180	175 x 1180	220.05	0.50	0.30
1267P65 84 MF	1x54W	197 x 1192	175 x 1180	220.05	0.50	0.30
1268P65 84 MP	1x80W	197 x 1493	175 x 1480	250.37	0.50	0.30
1268P65 84 MI	1x80W	197 x 1480	175 x 1480	250.37	0.50	0.30
1268P65 84 MF	1x80W	197 x 1493	175 x 1480	250.37	0.50	0.30

Includes opal diffuser sealed IP65 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1260Q65 84 MP	1x14W	197 x 593	175 x 580	197.75	0.50	0.30
1260Q65 84 MI	1x14W	197 x 580	175 x 580	197.75	0.50	0.30
1260Q65 84 MF	1x14W	197 x 593	175 x 580	197.75	0.50	0.30
1261Q65 84 MP	1x21W	197 x 893	175 x 880	219.63	0.50	0.30
1261Q65 84 MI	1x21W	197 x 880	175 x 880	219.63	0.50	0.30
1261Q65 84 MF	1x21W	197 x 893	175 x 880	219.63	0.50	0.30
1262Q65 84 MP	1x24W	197 x 593	175 x 580	197.75	0.50	0.30
1262Q65 84 MI	1x24W	197 x 580	175 x 580	197.75	0.50	0.30
1262Q65 84 MF	1x24W	197 x 593	175 x 580	197.75	0.50	0.30
1263Q65 84 MP	1x28W	197 x 1192	175 x 1180	220.00	0.50	0.30
1263Q65 84 MI	1x28W	197 x 1180	175 x 1180	220.00	0.50	0.30
1263Q65 84 MF	1x28W	197 x 1192	175 x 1180	220.00	0.50	0.30
1264Q65 84 MP	1x35W	197 x 1493	175 x 1480	239.44	0.50	0.30
1264Q65 84 MI	1x35W	197 x 1480	175 x 1480	239.44	0.50	0.30
1264Q65 84 MF	1x35W	197 x 1493	175 x 1480	239.44	0.50	0.30
1265Q65 84 MP	1x39W	197 x 893	175 x 880	219.65	0.50	0.30
1265Q65 84 MI	1x39W	197 x 880	175 x 880	219.65	0.50	0.30
1265Q65 84 MF	1x39W	197 x 893	175 x 880	219.65	0.50	0.30
1266Q65 84 MP	1x49W	197 x 1493	175 x 1480	239.57	0.50	0.30
1266Q65 84 MI	1x49W	197 x 1480	175 x 1480	239.57	0.50	0.30
1266Q65 84 MF	1x49W	197 x 1493	175 x 1480	239.57	0.50	0.30
1267Q65 84 MP	1x54W	197 x 1192	175 x 1180	220.06	0.50	0.30
1267Q65 84 MI	1x54W	197 x 1180	175 x 1180	220.06	0.50	0.30
1267Q65 84 MF	1x54W	197 x 1192	175 x 1180	220.06	0.50	0.30
1268Q65 84 MP	1x80W	197 x 1493	175 x 1480	250.40	0.50	0.30
1268Q65 84 MI	1x80W	197 x 1480	175 x 1480	250.40	0.50	0.30
1268Q65 84 MF	1x80W	197 x 1493	175 x 1480	250.40	0.50	0.30

OPTIONS

IRC / Colour temperature

Ref. 83	Lamp 830	3000°K
Ref. 86	Lamp 865	6500°K

Rough price increase of the finished frame

Ref. 52	Lacquered screen MATT CHROME	€ 18.00
Ref. 90	Lacquered screen TITANIUM	€ 18.00

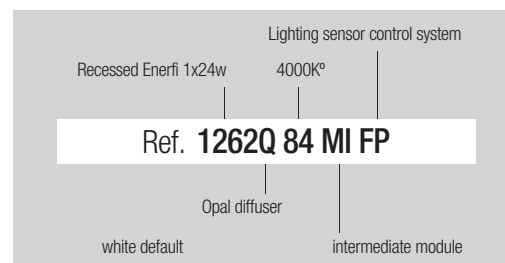
Rough increase of the control gear

Ref. BR	Dimmable ballast 1-10v	€ 63.00
Ref. TD	Electronic ballast Touch and Dim	€ 65.00
Ref. CF	Lighting control system "master"	€ 120.00
Ref. FP	Lighting sensor control system "master"	€ 270.00
Ref. KE	Emergency kit	€ 110.00

Rough increase of accessories

Ref. 1213	Flow recuperator	€ 25.00
Ref. 1215	SCB safety cable	€ 5.34
Ref. 1214	4 clutches set	€ 2.30
Ref. WL	Wieland connector	€ 16.30


Example to write a reference with options

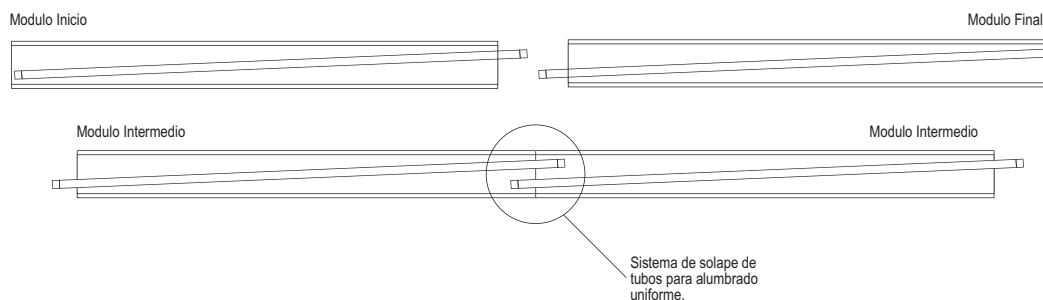


Recessed screen continuous line Akri 1 T5 lamp

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal difusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65)
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L). We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, and as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).

w	C	D	
1x14	116	593	97x580
1x21	116	893	97x880
1x24	116	593	97x580
1x28	116	1192	97x1180
1x35	116	1493	97x1480
1x39	116	893	97x880
1x49	116	1493	97x1480
1x54	116	1192	97x1180
1x80	116	1493	97x1480



Recessed screen continuous line Akri T5



Includes prismatic diffuser, 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3260P 84 MP	1x14W	116 x 593	97 x 580	171.87	0.50	0.30
3260P 84 MI	1x14W	116 x 580	97 x 580	171.87	0.50	0.30
3260P 84 MF	1x14W	116 x 593	97 x 580	171.87	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3261P 84 MP	1x21W	116 x 893	97 x 880	190.70	0.50	0.30
3261P 84 MI	1x21W	116 x 880	97 x 880	190.70	0.50	0.30
3261P 84 MF	1x21W	116 x 893	97 x 880	190.70	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3262P 84 MP	1x24W	116 x 593	97 x 580	171.70	0.50	0.30
3262P 84 MI	1x24W	116 x 580	97 x 580	171.70	0.50	0.30
3262P 84 MF	1x24W	116 x 593	97 x 580	171.70	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3263P 84 MP	1x28W	116 x 1192	97 x 1180	191.02	0.50	0.30
3263P 84 MI	1x28W	116 x 1180	97 x 1180	191.02	0.50	0.30
3263P 84 MF	1x28W	116 x 1192	97 x 1180	191.02	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3264P 84 MP	1x35W	116 x 1493	97 x 1480	209.04	0.50	0.30
3264P 84 MI	1x35W	116 x 1480	97 x 1480	209.04	0.50	0.30
3264P 84 MF	1x35W	116 x 1493	97 x 1480	209.04	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3265P 84 MP	1x39W	116 x 893	97 x 880	190.70	0.50	0.30
3265P 84 MI	1x39W	116 x 880	97 x 880	190.70	0.50	0.30
3265P 84 MF	1x39W	116 x 893	97 x 880	190.70	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3266P 84 MP	1x49W	116 x 1493	97 x 1480	209.04	0.50	0.30
3266P 84 MI	1x49W	116 x 1480	97 x 1480	209.04	0.50	0.30
3266P 84 MF	1x49W	116 x 1493	97 x 1480	209.04	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3267P 84 MP	1x54W	116 x 1192	97 x 1180	191.09	0.50	0.30
3267P 84 MI	1x54W	116 x 1180	97 x 1180	191.09	0.50	0.30
3267P 84 MF	1x54W	116 x 1192	97 x 1180	191.09	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3268P 84 MP	1x80W	116 x 1493	97 x 1480	217.65	0.50	0.30
3268P 84 MI	1x80W	116 x 1480	97 x 1480	217.65	0.50	0.30
3268P 84 MF	1x80W	116 x 1493	97 x 1480	217.65	0.50	0.30



Includes opal diffuser, 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3260Q 84 MP	1x14W	116 x 593	97 x 580	171.90	0.50	0.30
3260Q 84 MI	1x14W	116 x 580	97 x 580	171.90	0.50	0.30
3260Q 84 MF	1x14W	116 x 593	97 x 580	171.90	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3261Q 84 MP	1x21W	116 x 893	97 x 880	190.25	0.50	0.30
3261Q 84 MI	1x21W	116 x 880	97 x 880	190.25	0.50	0.30
3261Q 84 MF	1x21W	116 x 893	97 x 880	190.25	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3262Q 84 MP	1x24W	116 x 593	97 x 580	171.90	0.50	0.30
3262Q 84 MI	1x24W	116 x 580	97 x 580	171.90	0.50	0.30
3262Q 84 MF	1x24W	116 x 593	97 x 580	171.90	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3263Q 84 MP	1x28W	116 x 1192	97 x 1180	191.06	0.50	0.30
3263Q 84 MI	1x28W	116 x 1180	97 x 1180	191.06	0.50	0.30
3263Q 84 MF	1x28W	116 x 1192	97 x 1180	191.06	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3264Q 84 MP	1x35W	116 x 1493	97 x 1480	208.93	0.50	0.30
3264Q 84 MI	1x35W	116 x 1480	97 x 1480	208.93	0.50	0.30
3264Q 84 MF	1x35W	116 x 1493	97 x 1480	208.93	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3265Q 84 MP	1x39W	116 x 893	97 x 880	190.75	0.50	0.30
3265Q 84 MI	1x39W	116 x 880	97 x 880	190.75	0.50	0.30
3265Q 84 MF	1x39W	116 x 893	97 x 880	190.75	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3266Q 84 MP	1x49W	116 x 1493	97 x 1480	209.05	0.50	0.30
3266Q 84 MI	1x49W	116 x 1480	97 x 1480	209.05	0.50	0.30
3266Q 84 MF	1x49W	116 x 1493	97 x 1480	209.05	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3267Q 84 MP	1x54W	116 x 1192	97 x 1180	191.12	0.50	0.30
3267Q 84 MI	1x54W	116 x 1180	97 x 1180	191.12	0.50	0.30
3267Q 84 MF	1x54W	116 x 1192	97 x 1180	191.12	0.50	0.30

Ref.	W	Measures	Ceiling module	€	RAEE lum.	lamp.
3268Q 84 MP	1x80W	116 x 1493	97 x 1480	217.71	0.50	0.30
3268Q 84 MI	1x80W	116 x 1480	97 x 1480	217.71	0.50	0.30
3268Q 84 MF	1x80W	116 x 1493	97 x 1480	217.71	0.50	0.30

Recessed screen continuous line Akri 1 T5 lamp

Includes prismatic diffuser IP44 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3260P44 84 MP	1x14W	116 x 593	97 x 580	178.41	0.50	0.30
3260P44 84 MI	1x14W	116 x 580	97 x 580	178.41	0.50	0.30
3260P44 84 MF	1x14W	116 x 593	97 x 580	178.41	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3261P44 84 MP	1x21W	116 x 893	97 x 880	212.51	0.50	0.30
3261P44 84 MI	1x21W	116 x 880	97 x 880	212.51	0.50	0.30
3261P44 84 MF	1x21W	116 x 893	97 x 880	212.51	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3262P44 84 MP	1x24W	116 x 593	97 x 580	174.55	0.50	0.30
3262P44 84 MI	1x24W	116 x 580	97 x 580	174.55	0.50	0.30
3262P44 84 MF	1x24W	116 x 593	97 x 580	174.55	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3263P44 84 MP	1x28W	116 x 1192	97 x 1180	235.93	0.50	0.30
3263P44 84 MI	1x28W	116 x 1180	97 x 1180	235.93	0.50	0.30
3263P44 84 MF	1x28W	116 x 1192	97 x 1180	235.93	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3264P44 84 MP	1x35W	116 x 1493	97 x 1480	249.18	0.50	0.30
3264P44 84 MI	1x35W	116 x 1480	97 x 1480	249.18	0.50	0.30
3264P44 84 MF	1x35W	116 x 1493	97 x 1480	249.18	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3265P44 84 MP	1x39W	116 x 893	97 x 880	212.51	0.50	0.30
3265P44 84 MI	1x39W	116 x 880	97 x 880	212.51	0.50	0.30
3265P44 84 MF	1x39W	116 x 893	97 x 880	212.51	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3266P44 84 MP	1x49W	116 x 1493	97 x 1480	241.85	0.50	0.30
3266P44 84 MI	1x49W	116 x 1480	97 x 1480	241.85	0.50	0.30
3266P44 84 MF	1x49W	116 x 1493	97 x 1480	241.85	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3267P44 84 MP	1x54W	116 x 1192	97 x 1180	236.00	0.50	0.30
3267P44 84 MI	1x54W	116 x 1180	97 x 1180	236.00	0.50	0.30
3267P44 84 MF	1x54W	116 x 1192	97 x 1180	236.00	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3268P44 84 MP	1x80W	116 x 1493	97 x 1480	255.72	0.50	0.30
3268P44 84 MI	1x80W	116 x 1480	97 x 1480	255.72	0.50	0.30
3268P44 84 MF	1x80W	116 x 1493	97 x 1480	255.72	0.50	0.30

Includes opal diffuser IP44 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3260Q44 84 MP	1x14W	116 x 593	97 x 580	179.73	0.50	0.30
3260Q44 84 MI	1x14W	116 x 580	97 x 580	179.73	0.50	0.30
3260Q44 84 MF	1x14W	116 x 593	97 x 580	179.73	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3261Q44 84 MP	1x21W	116 x 893	97 x 880	213.84	0.50	0.30
3261Q44 84 MI	1x21W	116 x 880	97 x 880	213.84	0.50	0.30
3261Q44 84 MF	1x21W	116 x 893	97 x 880	213.84	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3262Q44 84 MP	1x24W	116 x 593	97 x 580	97.87	0.50	0.30
3262Q44 84 MI	1x24W	116 x 580	97 x 580	97.87	0.50	0.30
3262Q44 84 MF	1x24W	116 x 593	97 x 580	97.87	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3263Q44 84 MP	1x28W	116 x 1192	97 x 1180	237.28	0.50	0.30
3263Q44 84 MI	1x28W	116 x 1180	97 x 1180	237.28	0.50	0.30
3263Q44 84 MF	1x28W	116 x 1192	97 x 1180	237.28	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3264Q44 84 MP	1x35W	116 x 1493	97 x 1480	250.29	0.50	0.30
3264Q44 84 MI	1x35W	116 x 1480	97 x 1480	250.29	0.50	0.30
3264Q44 84 MF	1x35W	116 x 1493	97 x 1480	250.29	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3265Q44 84 MP	1x39W	116 x 893	97 x 880	213.84	0.50	0.30
3265Q44 84 MI	1x39W	116 x 880	97 x 880	213.84	0.50	0.30
3265Q44 84 MF	1x39W	116 x 893	97 x 880	213.84	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3266Q44 84 MP	1x49W	116 x 1493	97 x 1480	226.08	0.50	0.30
3266Q44 84 MI	1x49W	116 x 1480	97 x 1480	226.08	0.50	0.30
3266Q44 84 MF	1x49W	116 x 1493	97 x 1480	226.08	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3267Q44 84 MP	1x54W	116 x 1192	97 x 1180	237.34	0.50	0.30
3267Q44 84 MI	1x54W	116 x 1180	97 x 1180	237.34	0.50	0.30
3267Q44 84 MF	1x54W	116 x 1192	97 x 1180	237.34	0.50	0.30
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Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
3268Q44 84 MP	1x80W	116 x 1493	97 x 1480	257.04	0.50	0.30
3268Q44 84 MI	1x80W	116 x 1480	97 x 1480	257.04	0.50	0.30
3268Q44 84 MF	1x80W	116 x 1493	97 x 1480	257.04	0.50	0.30

Accessories



Ref. **1215**
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.



Ref. **1214**
4 clutches set.



Ref. **1213**
Flow recuperator.

Recessed screen continuous line Akri T5

Recessed screen continuous line Akri 1 T5 lamp

Includes prismatic diffuser sealed IP65 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
3260P65 84 MP	1x14W	116 x 593	97 x 580	244.28	0.50	0.30
3260P65 84 MI	1x14W	116 x 580	97 x 580	244.28	0.50	0.30
3260P65 84 MF	1x14W	116 x 593	97 x 580	244.28	0.50	0.30
3261P65 84 MP	1x21W	116 x 893	97 x 880	271.64	0.50	0.30
3261P65 84 MI	1x21W	116 x 880	97 x 880	271.64	0.50	0.30
3261P65 84 MF	1x21W	116 x 893	97 x 880	271.64	0.50	0.30
3262P65 84 MP	1x24W	116 x 593	97 x 580	244.28	0.50	0.30
3262P65 84 MI	1x24W	116 x 580	97 x 580	244.28	0.50	0.30
3262P65 84 MF	1x24W	116 x 593	97 x 580	244.28	0.50	0.30
3263P65 84 MP	1x28W	116 x 1192	97 x 1180	272.09	0.50	0.30
3263P65 84 MI	1x28W	116 x 1180	97 x 1180	272.09	0.50	0.30
3263P65 84 MF	1x28W	116 x 1192	97 x 1180	272.09	0.50	0.30
3264P65 84 MP	1x35W	116 x 1493	97 x 1480	296.40	0.50	0.30
3264P65 84 MI	1x35W	116 x 1480	97 x 1480	296.40	0.50	0.30
3264P65 84 MF	1x35W	116 x 1493	97 x 1480	296.40	0.50	0.30
3265P65 84 MP	1x39W	116 x 893	97 x 880	271.67	0.50	0.30
3265P65 84 MI	1x39W	116 x 880	97 x 880	271.67	0.50	0.30
3265P65 84 MF	1x39W	116 x 893	97 x 880	271.67	0.50	0.30
3266P65 84 MP	1x49W	116 x 1493	97 x 1480	296.56	0.50	0.30
3266P65 84 MI	1x49W	116 x 1480	97 x 1480	296.56	0.50	0.30
3266P65 84 MF	1x49W	116 x 1493	97 x 1480	296.56	0.50	0.30
3267P65 84 MP	1x54W	116 x 1192	97 x 1180	272.18	0.50	0.30
3267P65 84 MI	1x54W	116 x 1180	97 x 1180	272.18	0.50	0.30
3267P65 84 MF	1x54W	116 x 1192	97 x 1180	272.18	0.50	0.30
3268P65 84 MP	1x80W	116 x 1493	97 x 1480	310.09	0.50	0.30
3268P65 84 MI	1x80W	116 x 1480	97 x 1480	310.09	0.50	0.30
3268P65 84 MF	1x80W	116 x 1493	97 x 1480	310.09	0.50	0.30

IRC / Colour temperature

Ref. 83	Lamp 830	3000°K
Ref. 86	Lamp 865	6500°K

Rough price increase of the finished frame

Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref. BR	Dimmable ballast 1-10v	63.00
Ref. TD	Electronic ballast Touch and Dim	65.00
Ref. CF	Lighting control system "master"	120.00
Ref. FP	Lighting sensor control system "master"	270.00
Ref. KE	Emergency kit	110.00

Rough increase of accessories

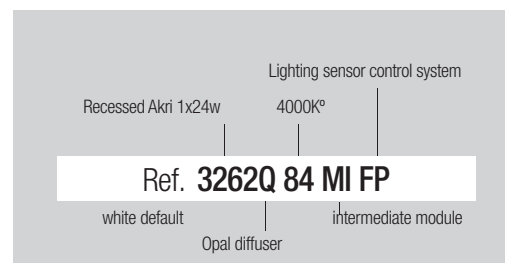
Ref. 1213	Flow recuperator	25.00
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Includes opal diffuser sealed IP65 and 1 lamp 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
3260Q65 84 MP	1x14W	116 x 593	97 x 580	244.31	0.50	0.30
3260Q65 84 MI	1x14W	116 x 580	97 x 580	244.31	0.50	0.30
3260Q65 84 MF	1x14W	116 x 593	97 x 580	244.31	0.50	0.30
3261Q65 84 MP	1x21W	116 x 893	97 x 880	271.66	0.50	0.30
3261Q65 84 MI	1x21W	116 x 880	97 x 880	271.66	0.50	0.30
3261Q65 84 MF	1x21W	116 x 893	97 x 880	271.66	0.50	0.30
3262Q65 84 MP	1x24W	116 x 593	97 x 580	244.31	0.50	0.30
3262Q65 84 MI	1x24W	116 x 580	97 x 580	244.31	0.50	0.30
3262Q65 84 MF	1x24W	116 x 593	97 x 580	244.31	0.50	0.30
3263Q65 84 MP	1x28W	116 x 1192	97 x 1180	272.12	0.50	0.30
3263Q65 84 MI	1x28W	116 x 1180	97 x 1180	272.12	0.50	0.30
3263Q65 84 MF	1x28W	116 x 1192	97 x 1180	272.12	0.50	0.30
3264Q65 84 MP	1x35W	116 x 1493	97 x 1480	296.43	0.50	0.30
3264Q65 84 MI	1x35W	116 x 1480	97 x 1480	296.43	0.50	0.30
3264Q65 84 MF	1x35W	116 x 1493	97 x 1480	296.43	0.50	0.30
3265Q65 84 MP	1x39W	116 x 893	97 x 880	271.68	0.50	0.30
3265Q65 84 MI	1x39W	116 x 880	97 x 880	271.68	0.50	0.30
3265Q65 84 MF	1x39W	116 x 893	97 x 880	271.68	0.50	0.30
3266Q65 84 MP	1x49W	116 x 1493	97 x 1480	296.58	0.50	0.30
3266Q65 84 MI	1x49W	116 x 1480	97 x 1480	296.58	0.50	0.30
3266Q65 84 MF	1x49W	116 x 1493	97 x 1480	296.58	0.50	0.30
3267Q65 84 MP	1x54W	116 x 1192	97 x 1180	272.19	0.50	0.30
3267Q65 84 MI	1x54W	116 x 1180	97 x 1180	272.19	0.50	0.30
3267Q65 84 MF	1x54W	116 x 1192	97 x 1180	272.19	0.50	0.30
3268Q65 84 MP	1x80W	116 x 1493	97 x 1480	310.13	0.50	0.30
3268Q65 84 MI	1x80W	116 x 1480	97 x 1480	310.13	0.50	0.30
3268Q65 84 MF	1x80W	116 x 1493	97 x 1480	310.13	0.50	0.30

Example to write a reference with options



**Recessed screen continuous line Enerfi.
2 T5 lamps**

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213). When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutches set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).

w	C	D	↙ ↘
2x14	197	593	175x580
2x21	197	893	175x880
2x24	197	593	175x580
2x28	197	1192	175x1180
2x35	197	1493	175x1480
2x39	197	893	175x880
2x49	197	1493	175x1480
2x54	197	1192	175x1180
2x80	197	1493	175x1480



Includes parabolic brightness aluminium "v" diffuser, 2 lamps 84 and clutches.
Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1269 84 MP	2x14W	197 x 593	175 x 580	130.43	0.50 0.60
1269 84 MI	2x14W	197 x 580	175 x 580	130.43	0.50 0.60
1269 84 MF	2x14W	197 x 593	175 x 580	130.43	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1270 84 MP	2x21W	197 x 893	175 x 880	147.47	0.50 0.60
1270 84 MI	2x21W	197 x 880	175 x 880	147.47	0.50 0.60
1270 84 MF	2x21W	197 x 893	175 x 880	147.47	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1271 84 MP	2x24W	197 x 593	175 x 580	130.43	0.50 0.60
1271 84 MI	2x24W	197 x 580	175 x 580	130.43	0.50 0.60
1271 84 MF	2x24W	197 x 593	175 x 580	130.43	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1272 84 MP	2x28W	197 x 1192	175 x 1180	153.65	0.50 0.60
1272 84 MI	2x28W	197 x 1180	175 x 1180	153.65	0.50 0.60
1272 84 MF	2x28W	197 x 1192	175 x 1180	153.65	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1273 84 MP	2x35W	197 x 1493	175 x 1480	206.29	0.50 0.60
1273 84 MI	2x35W	197 x 1480	175 x 1480	206.29	0.50 0.60
1273 84 MF	2x35W	197 x 1493	175 x 1480	206.29	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1274 84 MP	2x39W	197 x 893	175 x 880	155.69	0.50 0.60
1274 84 MI	2x39W	197 x 880	175 x 880	155.69	0.50 0.60
1274 84 MF	2x39W	197 x 893	175 x 880	155.69	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1275 84 MP	2x49W	197 x 1493	175 x 1480	206.29	0.50 0.60
1275 84 MI	2x49W	197 x 1480	175 x 1480	206.29	0.50 0.60
1275 84 MF	2x49W	197 x 1493	175 x 1480	206.29	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1276 84 MP	2x54W	197 x 1192	175 x 1180	153.35	0.50 0.60
1276 84 MI	2x54W	197 x 1180	175 x 1180	153.35	0.50 0.60
1276 84 MF	2x54W	197 x 1192	175 x 1180	153.35	0.50 0.60

Ref.	W	Measures	Ceiling module	€	lum. ^{RAEE} lamp.
1277 84 MP	2x80W	197 x 1493	175 x 1480	230.33	0.50 0.60
1277 84 MI	2x80W	197 x 1480	175 x 1480	230.33	0.50 0.60
1277 84 MF	2x80W	197 x 1493	175 x 1480	230.33	0.50 0.60

Recessed screen continuous line Enerfi 2xT5

Recessed screen continuous line Enerfi. 2 T5 lamps



Includes prismatic diffuser, 2 lamps 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1269P 84 MP	2x14W	197 x 593	175 x 580	154.12	0.50	0.60
1269P 84 MI	2x14W	197 x 580	175 x 580	154.12	0.50	0.60
1269P 84 MF	2x14W	197 x 593	175 x 580	154.12	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1270P 84 MP	2x21W	197 x 893	175 x 880	188.67	0.50	0.60
1270P 84 MI	2x21W	197 x 880	175 x 880	188.67	0.50	0.60
1270P 84 MF	2x21W	197 x 893	175 x 880	188.67	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1271P 84 MP	2x24W	197 x 593	175 x 580	154.12	0.50	0.60
1271P 84 MI	2x24W	197 x 580	175 x 580	154.12	0.50	0.60
1271P 84 MF	2x24W	197 x 593	175 x 580	154.12	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1272P 84 MP	2x28W	197 x 1192	175 x 1180	212.36	0.50	0.60
1272P 84 MI	2x28W	197 x 1180	175 x 1180	212.36	0.50	0.60
1272P 84 MF	2x28W	197 x 1192	175 x 1180	212.36	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1273P 84 MP	2x35W	197 x 1493	175 x 1480	259.85	0.50	0.60
1273P 84 MI	2x35W	197 x 1480	175 x 1480	259.85	0.50	0.60
1273P 84 MF	2x35W	197 x 1493	175 x 1480	259.85	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1274P 84 MP	2x39W	197 x 893	175 x 880	195.85	0.50	0.60
1274P 84 MI	2x39W	197 x 880	175 x 880	195.85	0.50	0.60
1274P 84 MF	2x39W	197 x 893	175 x 880	195.85	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1275P 84 MP	2x49W	197 x 1493	175 x 1480	259.85	0.50	0.60
1275P 84 MI	2x49W	197 x 1480	175 x 1480	259.85	0.50	0.60
1275P 84 MF	2x49W	197 x 1493	175 x 1480	259.85	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1276P 84 MP	2x54W	197 x 1192	175 x 1180	212.05	0.50	0.60
1276P 84 MI	2x54W	197 x 1180	175 x 1180	212.05	0.50	0.60
1276P 84 MF	2x54W	197 x 1192	175 x 1180	212.05	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1277P 84 MP	2x80W	197 x 1493	175 x 1480	280.80	0.50	0.60
1277P 84 MI	2x80W	197 x 1480	175 x 1480	280.80	0.50	0.60
1277P 84 MF	2x80W	197 x 1493	175 x 1480	280.80	0.50	0.60

Includes opal diffuser, 2 lamps 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1269Q 84 MP	2x14W	197 x 593	175 x 580	154.14	0.50	0.60
1269Q 84 MI	2x14W	197 x 580	175 x 580	154.14	0.50	0.60
1269Q 84 MF	2x14W	197 x 593	175 x 580	154.14	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1270Q 84 MP	2x21W	197 x 893	175 x 880	188.69	0.50	0.60
1270Q 84 MI	2x21W	197 x 880	175 x 880	188.69	0.50	0.60
1270Q 84 MF	2x21W	197 x 893	175 x 880	188.69	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1271Q 84 MP	2x24W	197 x 593	175 x 580	154.14	0.50	0.60
1271Q 84 MI	2x24W	197 x 580	175 x 580	154.14	0.50	0.60
1271Q 84 MF	2x24W	197 x 593	175 x 580	154.14	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1272Q 84 MP	2x28W	197 x 1192	175 x 1180	212.38	0.50	0.60
1272Q 84 MI	2x28W	197 x 1180	175 x 1180	212.38	0.50	0.60
1272Q 84 MF	2x28W	197 x 1192	175 x 1180	212.38	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1273Q 84 MP	2x35W	197 x 1493	175 x 1480	259.87	0.50	0.60
1273Q 84 MI	2x35W	197 x 1480	175 x 1480	259.87	0.50	0.60
1273Q 84 MF	2x35W	197 x 1493	175 x 1480	259.87	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1274Q 84 MP	2x39W	197 x 893	175 x 880	195.88	0.50	0.60
1274Q 84 MI	2x39W	197 x 880	175 x 880	195.88	0.50	0.60
1274Q 84 MF	2x39W	197 x 893	175 x 880	195.88	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1275Q 84 MP	2x49W	197 x 1493	175 x 1480	259.87	0.50	0.60
1275Q 84 MI	2x49W	197 x 1480	175 x 1480	259.87	0.50	0.60
1275Q 84 MF	2x49W	197 x 1493	175 x 1480	259.87	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1276Q 84 MP	2x54W	197 x 1192	175 x 1180	212.08	0.50	0.60
1276Q 84 MI	2x54W	197 x 1180	175 x 1180	212.08	0.50	0.60
1276Q 84 MF	2x54W	197 x 1192	175 x 1180	212.08	0.50	0.60

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
1277Q 84 MP	2x80W	197 x 1493	175 x 1480	280.82	0.50	0.60
1277Q 84 MI	2x80W	197 x 1480	175 x 1480	280.82	0.50	0.60
1277Q 84 MF	2x80W	197 x 1493	175 x 1480	280.82	0.50	0.60

Recessed screen continuous line Enerfi. 2 T5 lamps

Includes prismatic diffuser IP44, 2 lamps 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1269P44 84 MP	2x14W	197 x 593	175 x 580	213.99	0.50	0.60
1269P44 84 MI	2x14W	197 x 580	175 x 580	213.99	0.50	0.60
1269P44 84 MF	2x14W	197 x 593	175 x 580	213.99	0.50	0.60
1270P44 84 MP	2x21W	197 x 893	175 x 880	261.04	0.50	0.60
1270P44 84 MI	2x21W	197 x 880	175 x 880	261.04	0.50	0.60
1270P44 84 MF	2x21W	197 x 893	175 x 880	261.04	0.50	0.60
1271P44 84 MP	2x24W	197 x 593	175 x 580	213.99	0.50	0.60
1271P44 84 MI	2x24W	197 x 580	175 x 580	213.99	0.50	0.60
1271P44 84 MF	2x24W	197 x 593	175 x 580	213.99	0.50	0.60
1272P44 84 MP	2x28W	197 x 1192	175 x 1180	294.51	0.50	0.60
1272P44 84 MI	2x28W	197 x 1180	175 x 1180	294.51	0.50	0.60
1272P44 84 MF	2x28W	197 x 1192	175 x 1180	294.51	0.50	0.60
1273P44 84 MP	2x35W	197 x 1493	175 x 1480	360.30	0.50	0.60
1273P44 84 MI	2x35W	197 x 1480	175 x 1480	360.30	0.50	0.60
1273P44 84 MF	2x35W	197 x 1493	175 x 1480	360.30	0.50	0.60
1274P44 84 MP	2x39W	197 x 893	175 x 880	271.30	0.50	0.60
1274P44 84 MI	2x39W	197 x 880	175 x 880	271.30	0.50	0.60
1274P44 84 MF	2x39W	197 x 893	175 x 880	271.30	0.50	0.60
1275P44 84 MP	2x49W	197 x 1493	175 x 1480	360.30	0.50	0.60
1275P44 84 MI	2x49W	197 x 1480	175 x 1480	360.30	0.50	0.60
1275P44 84 MF	2x49W	197 x 1493	175 x 1480	360.30	0.50	0.60
1276P44 84 MP	2x54W	197 x 1192	175 x 1180	294.13	0.50	0.60
1276P44 84 MI	2x54W	197 x 1180	175 x 1180	294.13	0.50	0.60
1276P44 84 MF	2x54W	197 x 1192	175 x 1180	294.13	0.50	0.60
1277P44 84 MP	2x80W	197 x 1493	175 x 1480	360.36	0.50	0.60
1277P44 84 MI	2x80W	197 x 1480	175 x 1480	360.36	0.50	0.60
1277P44 84 MF	2x80W	197 x 1493	175 x 1480	360.36	0.50	0.60

Includes opal diffuser IP44, 2 lamps 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1269Q44 84 MP	2x14W	197 x 593	175 x 580	214.00	0.50	0.60
1269Q44 84 MI	2x14W	197 x 580	175 x 580	214.00	0.50	0.60
1269Q44 84 MF	2x14W	197 x 593	175 x 580	214.00	0.50	0.60
1270Q44 84 MP	2x21W	197 x 893	175 x 880	261.05	0.50	0.60
1270Q44 84 MI	2x21W	197 x 880	175 x 880	261.05	0.50	0.60
1270Q44 84 MF	2x21W	197 x 893	175 x 880	261.05	0.50	0.60
1271Q44 84 MP	2x24W	197 x 593	175 x 580	214.00	0.50	0.60
1271Q44 84 MI	2x24W	197 x 580	175 x 580	214.00	0.50	0.60
1271Q44 84 MF	2x24W	197 x 593	175 x 580	214.00	0.50	0.60
1272Q44 84 MP	2x28W	197 x 1192	175 x 1180	294.53	0.50	0.60
1272Q44 84 MI	2x28W	197 x 1180	175 x 1180	294.53	0.50	0.60
1272Q44 84 MF	2x28W	197 x 1192	175 x 1180	294.53	0.50	0.60
1273Q44 84 MP	2x35W	197 x 1493	175 x 1480	360.32	0.50	0.60
1273Q44 84 MI	2x35W	197 x 1480	175 x 1480	360.32	0.50	0.60
1273Q44 84 MF	2x35W	197 x 1493	175 x 1480	360.32	0.50	0.60
1274Q44 84 MP	2x39W	197 x 893	175 x 880	271.31	0.50	0.60
1274Q44 84 MI	2x39W	197 x 880	175 x 880	271.31	0.50	0.60
1274Q44 84 MF	2x39W	197 x 893	175 x 880	271.31	0.50	0.60
1275Q44 84 MP	2x49W	197 x 1493	175 x 1480	360.32	0.50	0.60
1275Q44 84 MI	2x49W	197 x 1480	175 x 1480	360.32	0.50	0.60
1275Q44 84 MF	2x49W	197 x 1493	175 x 1480	360.32	0.50	0.60
1276Q44 84 MP	2x54W	197 x 1192	175 x 1180	294.14	0.50	0.60
1276Q44 84 MI	2x54W	197 x 1180	175 x 1180	294.14	0.50	0.60
1276Q44 84 MF	2x54W	197 x 1192	175 x 1180	294.14	0.50	0.60
1277Q44 84 MP	2x80W	197 x 1493	175 x 1480	360.38	0.50	0.60
1277Q44 84 MI	2x80W	197 x 1480	175 x 1480	360.38	0.50	0.60
1277Q44 84 MF	2x80W	197 x 1493	175 x 1480	360.38	0.50	0.60

Accessories



Ref. **1215**
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.



Ref. **1214**
4 clutches set.



Ref. **1213**
Flow recuperator.

Recessed screen continuous line Enerfi. 2 T5 lamps

Recessed screen continuous line Enerfi 2xT5

Includes prismatic diffuser sealed IP65, 2 lamps 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1269P65 84 MP	2x14W	197 x 593	175 x 580	290.18	0.50	0.60
1269P65 84 MI	2x14W	197 x 580	175 x 580	290.18	0.50	0.60
1269P65 84 MF	2x14W	197 x 593	175 x 580	290.18	0.50	0.60
1270P65 84 MP	2x21W	197 x 893	175 x 880	354.20	0.50	0.60
1270P65 84 MI	2x21W	197 x 880	175 x 880	354.20	0.50	0.60
1270P65 84 MF	2x21W	197 x 893	175 x 880	354.20	0.50	0.60
1271P65 84 MP	2x24W	197 x 593	175 x 580	290.18	0.50	0.60
1271P65 84 MI	2x24W	197 x 580	175 x 580	290.18	0.50	0.60
1271P65 84 MF	2x24W	197 x 593	175 x 580	290.18	0.50	0.60
1272P65 84 MP	2x28W	197 x 1192	175 x 1180	399.72	0.50	0.60
1272P65 84 MI	2x28W	197 x 1180	175 x 1180	399.72	0.50	0.60
1272P65 84 MF	2x28W	197 x 1192	175 x 1180	399.72	0.50	0.60
1273P65 84 MP	2x35W	197 x 1493	175 x 1480	442.86	0.50	0.60
1273P65 84 MI	2x35W	197 x 1480	175 x 1480	442.86	0.50	0.60
1273P65 84 MF	2x35W	197 x 1493	175 x 1480	442.86	0.50	0.60
1274P65 84 MP	2x39W	197 x 893	175 x 880	368.15	0.50	0.60
1274P65 84 MI	2x39W	197 x 880	175 x 880	368.15	0.50	0.60
1274P65 84 MF	2x39W	197 x 893	175 x 880	368.15	0.50	0.60
1275P65 84 MP	2x49W	197 x 1493	175 x 1480	442.86	0.50	0.60
1275P65 84 MI	2x49W	197 x 1480	175 x 1480	442.86	0.50	0.60
1275P65 84 MF	2x49W	197 x 1493	175 x 1480	442.86	0.50	0.60
1276P65 84 MP	2x54W	197 x 1192	175 x 1180	399.20	0.50	0.60
1276P65 84 MI	2x54W	197 x 1180	175 x 1180	399.20	0.50	0.60
1276P65 84 MF	2x54W	197 x 1192	175 x 1180	399.20	0.50	0.60
1277P65 84 MP	2x80W	197 x 1493	175 x 1480	530.09	0.50	0.60
1277P65 84 MI	2x80W	197 x 1480	175 x 1480	530.09	0.50	0.60
1277P65 84 MF	2x80W	197 x 1493	175 x 1480	530.09	0.50	0.60

Includes opal diffuser sealed IP65, 2 lamps 84 and clutches.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1269Q65 84 MP	2x14W	197 x 593	175 x 580	290.20	0.50	0.60
1269Q65 84 MI	2x14W	197 x 580	175 x 580	290.20	0.50	0.60
1269Q65 84 MF	2x14W	197 x 593	175 x 580	290.20	0.50	0.60
1270Q65 84 MP	2x21W	197 x 893	175 x 880	354.22	0.50	0.60
1270Q65 84 MI	2x21W	197 x 880	175 x 880	354.22	0.50	0.60
1270Q65 84 MF	2x21W	197 x 893	175 x 880	354.22	0.50	0.60
1271Q65 84 MP	2x24W	197 x 593	175 x 580	290.20	0.50	0.60
1271Q65 84 MI	2x24W	197 x 580	175 x 580	290.20	0.50	0.60
1271Q65 84 MF	2x24W	197 x 593	175 x 580	290.20	0.50	0.60
1272Q65 84 MP	2x28W	197 x 1192	175 x 1180	399.74	0.50	0.60
1272Q65 84 MI	2x28W	197 x 1180	175 x 1180	399.74	0.50	0.60
1272Q65 84 MF	2x28W	197 x 1192	175 x 1180	399.74	0.50	0.60
1273Q65 84 MP	2x35W	197 x 1493	175 x 1480	442.88	0.50	0.60
1273Q65 84 MI	2x35W	197 x 1480	175 x 1480	442.88	0.50	0.60
1273Q65 84 MF	2x35W	197 x 1493	175 x 1480	442.88	0.50	0.60
1274Q65 84 MP	2x39W	197 x 893	175 x 880	368.17	0.50	0.60
1274Q65 84 MI	2x39W	197 x 880	175 x 880	368.17	0.50	0.60
1274Q65 84 MF	2x39W	197 x 893	175 x 880	368.17	0.50	0.60
1275Q65 84 MP	2x49W	197 x 1493	175 x 1480	442.88	0.50	0.60
1275Q65 84 MI	2x49W	197 x 1480	175 x 1480	442.88	0.50	0.60
1275Q65 84 MF	2x49W	197 x 1493	175 x 1480	442.88	0.50	0.60
1276Q65 84 MP	2x54W	197 x 1192	175 x 1180	399.22	0.50	0.60
1276Q65 84 MI	2x54W	197 x 1180	175 x 1180	399.22	0.50	0.60
1276Q65 84 MF	2x54W	197 x 1192	175 x 1180	399.22	0.50	0.60
1277Q65 84 MP	2x80W	197 x 1493	175 x 1480	530.11	0.50	0.60
1277Q65 84 MI	2x80W	197 x 1480	175 x 1480	530.11	0.50	0.60
1277Q65 84 MF	2x80W	197 x 1493	175 x 1480	530.11	0.50	0.60

OPTIONS

IRC / Colour temperature

Ref. 83	Lamp 830	3000°K
Ref. 86	Lamp 865	6500°K

Rough price increase of the finished frame

Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

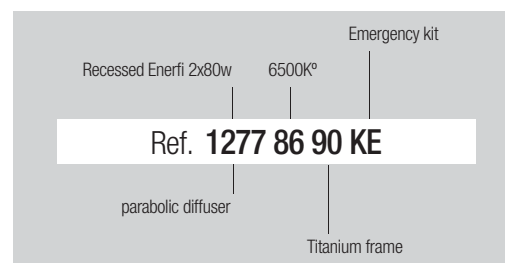
Rough increase of the control gear

Ref. BR	Dimmable ballast 1-10v	74.00
Ref. TD	Electronic ballast Touch and Dim	80.00
Ref. CF	Lighting control system "master"	135.00
Ref. FP	Lighting sensor control system "master"	270.00
Ref. KE	Emergency kit	110.00

Rough increase of accessories

Ref. 1213	Flow recuperator	25.00
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30

Example to write a reference with options



Asymmetrical recessed polyvalent Enerfi 1 T5 lamp

Protection degree IP20

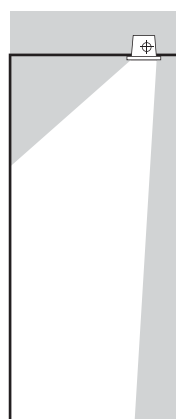
- Material:** Body in thermo painted steel sheet.
- Optics:** Asymmetrical aluminium mirror reflector
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutches set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D	
1x14	197	593	175x580
1x21	197	893	175x880
1x24	197	593	175x580
1x28	197	1192	175x1180
1x35	197	1493	175x1480
1x39	197	893	175x880
1x49	197	1493	175x1480
1x54	197	1192	175x1180
1x80	197	1493	175x1480

Includes asymmetrical reflector 1 lamp 84 and clutches.

Ref.	W	Measures	Ceiling module	€	RAEE lum.	RAEE lamp.
1216NS 84	1x14W	197 x 593	175 x 580	111.86	0.50	0.30
1217NS 84	1x21W	197 x 893	175 x 880	124.25	0.50	0.30
1218NS 84	1x24W	197 x 593	175 x 580	111.86	0.50	0.30
1220NS 84	1x28W	197 x 1192	175 x 1180	124.25	0.50	0.30
1221NS 84	1x35W	197 x 1493	175 x 1480	135.33	0.50	0.30
1222NS 84	1x39W	197 x 893	175 x 880	124.25	0.50	0.30
1223NS 84	1x49W	197 x 1493	175 x 1480	135.33	0.50	0.30
1224NS 84	1x54W	197 x 1192	175 x 1180	124.25	0.50	0.30
1225NS 84	1x80W	197 x 1493	175 x 1480	141.14	0.50	0.30



OPTIONS

IRC / Colour temperature

Ref. 83	Lamp 830	3000°K
Ref. 86	Lamp 865	6500°K

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	1 lamp
Ref. BR	Dimmable ballast 1-10v		63.00
Ref. TD	Electronic ballast Touch and Dim		65.00
Ref. CF	Lighting control system "master"		120.00
Ref. FP	Lighting sensor control system "master"		270.00
Ref. KE	Emergency kit	110.00	

Rough increase of accessories

Ref.	Description	€
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

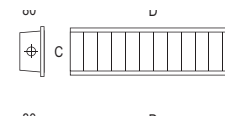
Enerfi 1 Lamp Asymmetrical (wallwasher). T5

Asymmetrical recessed continuous line Enerfi 1 T5 lamp

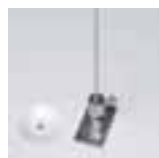
Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Asymmetrical aluminium mirror reflector
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutchers set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).

w	C	D	↙
1x14	197	593	175x580
1x21	197	893	175x880
1x24	197	593	175x580
1x28	197	1192	175x1180
1x35	197	1493	175x1480
1x39	197	893	175x880
1x49	197	1493	175x1480
1x54	197	1192	175x1180
1x80	197	1493	175x1480



Accessories

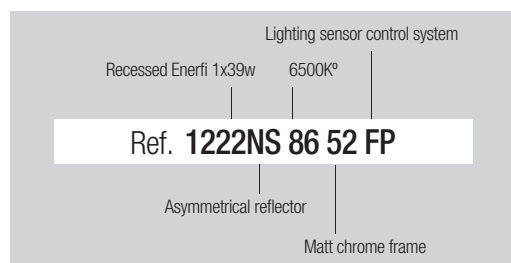


Ref. 1215
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.



Ref. 1214
4 clutchers set.

Example to write a reference with options



Includes asymmetrical reflector 1 lamp 84 and clutchers.

Initial module (MP), intermediate module (MI), final module (MF)

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1260NS 84 MP	1x14W	197 x 593	175 x 580	117.22	0.50	0.30
1260NS 84 MI	1x14W	197 x 580	175 x 580	117.22	0.50	0.30
1260NS 84 MF	1x14W	197 x 593	175 x 580	117.22	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1261NS 84 MP	1x21W	197 x 893	175 x 880	130.09	0.50	0.30
1261NS 84 MI	1x21W	197 x 880	175 x 880	130.09	0.50	0.30
1261NS 84 MF	1x21W	197 x 893	175 x 880	130.09	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1262NS 84 MP	1x24W	197 x 593	175 x 580	117.22	0.50	0.30
1262NS 84 MI	1x24W	197 x 580	175 x 580	117.22	0.50	0.30
1262NS 84 MF	1x24W	197 x 593	175 x 580	117.22	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1263NS 84 MP	1x28W	197 x 1192	175 x 1180	130.09	0.50	0.30
1263NS 84 MI	1x28W	197 x 1180	175 x 1180	130.09	0.50	0.30
1263NS 84 MF	1x28W	197 x 1192	175 x 1180	130.09	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1264NS 84 MP	1x35W	197 x 1493	175 x 1480	141.71	0.50	0.30
1264NS 84 MI	1x35W	197 x 1480	175 x 1480	141.71	0.50	0.30
1264NS 84 MF	1x35W	197 x 1493	175 x 1480	141.71	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1265NS 84 MP	1x39W	197 x 893	175 x 880	130.09	0.50	0.30
1265NS 84 MI	1x39W	197 x 880	175 x 880	130.09	0.50	0.30
1265NS 84 MF	1x39W	197 x 893	175 x 880	130.09	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1266NS 84 MP	1x49W	197 x 1493	175 x 1480	141.84	0.50	0.30
1266NS 84 MI	1x49W	197 x 1480	175 x 1480	141.84	0.50	0.30
1266NS 84 MF	1x49W	197 x 1493	175 x 1480	141.84	0.50	0.30

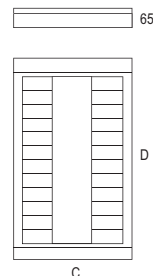
Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1267NS 84 MP	1x54W	197 x 1192	175 x 1180	130.33	0.50	0.30
1267NS 84 MI	1x54W	197 x 1180	175 x 1180	130.33	0.50	0.30
1267NS 84 MF	1x54W	197 x 1192	175 x 1180	130.33	0.50	0.30

Ref.	W	Measures	Ceiling module	€	lum.	RAEE lamp.
1268NS 84 MP	1x80W	197 x 1493	175 x 1480	148.17	0.50	0.30
1268NS 84 MI	1x80W	197 x 1480	175 x 1480	148.17	0.50	0.30
1268NS 84 MF	1x80W	197 x 1493	175 x 1480	148.17	0.50	0.30

Surface Enerfi. 2 T5 lamps

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref Z). Micro punch diffuser (Ref. M). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L). We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D
2x14	330	600
2x24	330	600
2x28	330	1200
2x54	330	1200
2x35	330	1500
2x49	330	1500
2x80	330	1500

Includes parabolic brightness aluminium "v" diffuser and 2 lamps 84.

Ref.	W	Measures	€	lum. ^{RAEE} lamp
1241 84	2x14W	330 x 600	151.97	0.50 0.60
1242 84	2x24W	330 x 600	151.97	0.50 0.60
1243 84	2x28W	330 x 1200	175.13	0.50 0.60
1244 84	2x35W	330 x 1500	269.79	0.50 0.60
1245 84	2x49W	330 x 1500	269.79	0.50 0.60
1246 84	2x54W	330 x 1200	227.66	0.50 0.60
1247 84	2x80W	330 x 1500	296.35	0.50 0.60



Includes low brightness diffuser (double parabolic) and 2 lamps 84.

Ref.	W	Measures	€	lum. ^{RAEE} lamp
1241Z 84	2x14W	330 x 600	179.32	0.50 0.60
1242Z 84	2x24W	330 x 600	179.32	0.50 0.60
1243Z 84	2x28W	330 x 1200	204.35	0.50 0.60
1244Z 84	2x35W	330 x 1500	307.55	0.50 0.60
1245Z 84	2x49W	330 x 1500	307.55	0.50 0.60
1246Z 84	2x54W	330 x 1200	264.40	0.50 0.60
1247Z 84	2x80W	330 x 1500	346.28	0.50 0.60

Surface Enerfi. 2 T5 lamps

Includes prismatic diffuser and 2 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1241P 84	2x14W	330 x 600	168.50	0.50	0.60
1242P 84	2x24W	330 x 600	168.50	0.50	0.60
1243P 84	2x28W	330 x 1200	231.75	0.50	0.60
1244P 84	2x35W	330 x 1500	315.18	0.50	0.60
1245P 84	2x49W	330 x 1500	318.30	0.50	0.60
1246P 84	2x54W	330 x 1200	276.64	0.50	0.60
1247P 84	2x80W	330 x 1500	332.07	0.50	0.60

Includes opal diffuser and 2 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1241Q 84	2x14W	330 x 600	169.74	0.50	0.60
1242Q 84	2x24W	330 x 600	169.74	0.50	0.60
1243Q 84	2x28W	330 x 1200	232.88	0.50	0.60
1244Q 84	2x35W	330 x 1500	316.82	0.50	0.60
1245Q 84	2x49W	330 x 1500	316.82	0.50	0.60
1246Q 84	2x54W	330 x 1200	276.96	0.50	0.60
1247Q 84	2x80W	330 x 1500	332.27	0.50	0.60

Includes prismatic diffuser IP44 and 2 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1241P44 84	2x14W	330 x 600	237.00	0.50	0.60
1242P44 84	2x24W	330 x 600	237.00	0.50	0.60
1243P44 84	2x28W	330 x 1200	327.02	0.50	0.60
1244P44 84	2x35W	330 x 1500	443.00	0.50	0.60
1245P44 84	2x49W	330 x 1500	443.00	0.50	0.60
1246P44 84	2x54W	330 x 1200	384.96	0.50	0.60
1247P44 84	2x80W	330 x 1500	463.50	0.50	0.60

Includes opal diffuser IP44 and 2 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1241Q44 84	2x14W	330 x 600	239.16	0.50	0.60
1242Q44 84	2x24W	330 x 600	239.16	0.50	0.60
1243Q44 84	2x28W	330 x 1200	328.36	0.50	0.60
1244Q44 84	2x35W	330 x 1500	445.16	0.50	0.60
1245Q44 84	2x49W	330 x 1500	445.16	0.50	0.60
1246Q44 84	2x54W	330 x 1200	386.66	0.50	0.60
1247Q44 84	2x80W	330 x 1500	465.56	0.50	0.60

Includes prismatic diffuser sealed IP65 and 2 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1241P65 84	2x14W	330 x 600	326.30	0.50	0.60
1242P65 84	2x24W	330 x 600	326.30	0.50	0.60
1243P65 84	2x28W	330 x 1200	445.37	0.50	0.60
1244P65 84	2x35W	330 x 1500	602.34	0.50	0.60
1245P65 84	2x49W	330 x 1500	602.34	0.50	0.60
1246P65 84	2x54W	330 x 1200	513.04	0.50	0.60
1247P65 84	2x80W	330 x 1500	616.04	0.50	0.60

Includes opal diffuser sealed IP65 and 2 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1241Q65 84	2x14W	330 x 600	327.64	0.50	0.60
1242Q65 84	2x24W	330 x 600	327.64	0.50	0.60
1243Q65 84	2x28W	330 x 1200	447.63	0.50	0.60
1244Q65 84	2x35W	330 x 1500	603.68	0.50	0.60
1245Q65 84	2x49W	330 x 1500	603.68	0.50	0.60
1246Q65 84	2x54W	330 x 1200	514.58	0.50	0.60
1247Q65 84	2x80W	330 x 1500	617.17	0.50	0.60



OPTIONS

IRC / Colour temperature

Ref. 83	Lamp 830	3000°K
Ref. 86	Lamp 865	6500°K

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	2 lamps
Ref. BR	Dimmable ballast 1-10v		74.00
Ref. TD	Electronic ballast Touch and Dim		80.00
Ref. CF	Lighting control system "master"		135.00
Ref. FP	Lighting sensor control system "master"		270.00
Ref. KE	Emergency kit	110.00	

Rough increase of accessories

Ref.	Description	€
Ref. 1213	Flow recuperator	25.00
Ref. L	Customised logo printed in four colour process	15.00
Ref. M	Micro punch diffuser	10.00
Ref. 1211	Suspension kit	26.80
Ref. WL	Wieland connector	16.30



Ref. M
Micro punch diffuser



Ref. L
Customised logo printed in four colour process.

Accessories

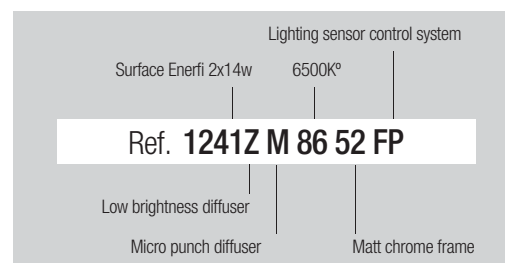


Ref. 1213
Flow recuperator.



Ref. 1211
Suspension kit.
Standard version 1 metre length.
Made-to-measure possibility.

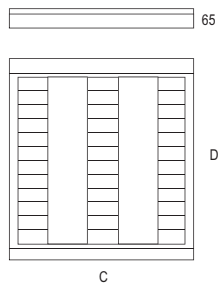
Example to write a reference with options



Surface Enerfi. 3 T5 lamps

Protection degree IP20 / IP44

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref. Z). Micro punch diffuser (Ref. M). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L). We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D
3x14	630	600
3x24	630	600
3x28	630	1200
3x54	630	1200

Includes parabolic brightness aluminium "v" diffuser and 3 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1248 84	3x14W	630 x 600	189.90	0.50	0.90
1249 84	3x24W	630 x 600	190.17	0.50	0.90
1250 84	3x28W	630 x 1200	247.23	0.50	0.90
1251 84	3x54W	630 x 1200	247.23	0.50	0.90

Includes low brightness diffuser (double parabolic) and 3 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1248Z 84	3x14W	630 x 600	224.64	0.50	0.90
1249Z 84	3x24W	630 x 600	224.64	0.50	0.90
1250Z 84	3x28W	630 x 1200	291.69	0.50	0.90
1251Z 84	3x54W	630 x 1200	291.69	0.50	0.90



Surface Enerfi. 3 T5 lamps

Includes prismatic diffuser and 3 lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1248P 84	3x14W	630 x 600	218.66	0.50	0.90
1249P 84	3x24W	630 x 600	218.66	0.50	0.90
1250P 84	3x28W	630 x 1200	308.07	0.50	0.90
1251P 84	3x54W	630 x 1200	308.07	0.50	0.90

Includes opal diffuser and 3 lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1248Q 84	3x14W	630 x 600	218.77	0.50	0.90
1249Q 84	3x24W	630 x 600	218.77	0.50	0.90
1250Q 84	3x28W	630 x 1200	308.17	0.50	0.90
1251Q 84	3x54W	630 x 1200	308.17	0.50	0.90

Includes prismatic diffuser IP44 and 3 lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1248P44 84	3x14W	630 x 600	290.97	0.50	0.90
1249P44 84	3x24W	630 x 600	290.97	0.50	0.90
1250P44 84	3x28W	630 x 1200	408.00	0.50	0.90
1251P44 84	3x54W	630 x 1200	408.00	0.50	0.90

Includes opal diffuser IP44 and 3 lamps 84.

Ref.	W	Measures	€	RAEE lum. lamp	
1248Q44 84	3x14W	630 x 600	292.62	0.50	0.90
1249Q44 84	3x24W	630 x 600	292.62	0.50	0.90
1250Q44 84	3x28W	630 x 1200	409.01	0.50	0.90
1251Q44 84	3x54W	630 x 1200	409.01	0.50	0.90



Accessories



Ref. 1211
Suspension kit.
Standard version 1 metre length.
Made-to-measure possibility.



Ref. 1213
Flow recuperator.



Ref. M
Micro punch diffuser



Ref. L
Customised logo printed in four colour process.

OPTIONS

IRC / Colour temperature

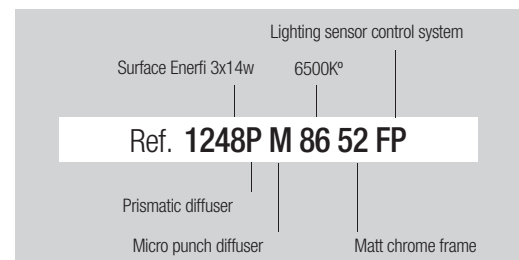
Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

	€	3x14/24w €	3x28/54w €
Ref. BR Dimmable ballast 1-10v		90.00	130.00
Ref. TD Electronic ballast Touch and Dim		95.00	140.00
Ref. CF Lighting control system "master"		150.00	180.00
Ref. FP Lighting sensor control system "master"		300.00	340.00
Ref. KE Emergency kit	110.00		

	€
Ref. 1213 Flow recuperator	28.00
Ref. 1211 Suspension kit	26.80
Ref. L Customised logo printed in four colour process	15.00
Ref. M Micro punch diffuser	10.00
Ref. WL Wieland connector	16.30

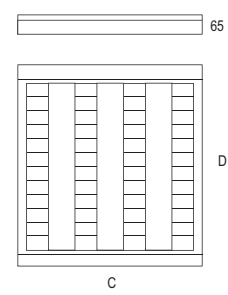
Example to write a reference with options



Surface Enerfi. 4 T5 lamps

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) and low brightness (double parabolic) (Ref. Z). Micro punch diffuser (Ref. M). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P). Polycarbonate opal diffusers with IP44 (Ref. Q44) or IP65 (Ref. Q65) or prismatic surface with IP44 (Ref. P44) or IP65 (Ref. P65).
- Supply:** Control gear included in each model. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** We can customise the diffuser with the logo firm (printed in four colour process) (Ref. L). We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D
4x14	630	600
4x24	630	600
4x28	630	1200
4x54	630	1200

Includes parabolic brightness aluminium "v" diffuser and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252 84	4x14W	630 x 600	201.00	0.50	1.20
1253 84	4x24W	630 x 600	201.00	0.50	1.20
1254 84	4x28W	630 x 1200	298.80	0.50	1.20
1255 84	4x54W	630 x 1200	298.80	0.50	1.20



Includes difusor baja luminancia (doble parabólico and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252Z 84	4x14W	630 x 600	241.12	0.50	1.20
1253Z 84	4x24W	630 x 600	241.12	0.50	1.20
1254Z 84	4x28W	630 x 1200	353.08	0.50	1.20
1255Z 84	4x54W	630 x 1200	353.08	0.50	1.20

Surface Enerfi. 4 T5 lamps

Includes prismatic diffuser and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252P 84	4x14W	630 x 600	229.84	0.50	1.20
1253P 84	4x24W	630 x 600	229.84	0.50	1.20
1254P 84	4x28W	630 x 1200	361.73	0.50	1.20
1255P 84	4x54W	630 x 1200	361.73	0.50	1.20

Includes opal diffuser and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252Q 84	4x14W	630 x 600	229.87	0.50	1.20
1253Q 84	4x24W	630 x 600	229.87	0.50	1.20
1254Q 84	4x28W	630 x 1200	361.77	0.50	1.20
1255Q 84	4x54W	630 x 1200	361.77	0.50	1.20

Includes prismatic diffuser IP44 and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252P44 84	4x14W	630 x 600	302.71	0.50	1.20
1253P44 84	4x24W	630 x 600	302.71	0.50	1.20
1254P44 84	4x28W	630 x 1200	476.78	0.50	1.20
1255P44 84	4x54W	630 x 1200	476.78	0.50	1.20

Includes opal diffuser IP44 and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252Q44 84	4x14W	630 x 600	302.73	0.50	1.20
1253Q44 84	4x24W	630 x 600	302.73	0.50	1.20
1254Q44 84	4x28W	630 x 1200	476.80	0.50	1.20
1255Q44 84	4x54W	630 x 1200	476.80	0.50	1.20

Includes prismatic diffuser sealed IP65 and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252P65 84	4x14W	630 x 600	411.74	0.50	1.20
1253P65 84	4x24W	630 x 600	411.74	0.50	1.20
1254P65 84	4x28W	630 x 1200	648.24	0.50	1.20
1255P65 84	4x54W	630 x 1200	648.24	0.50	1.20

Includes opal diffuser sealed IP65 and 4 lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1252Q65 84	4x14W	630 x 600	411.79	0.50	1.20
1253Q65 84	4x24W	630 x 600	411.79	0.50	1.20
1254Q65 84	4x28W	630 x 1200	648.29	0.50	1.20
1255Q65 84	4x54W	630 x 1200	628.29	0.50	1.20



OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

Rough increase of the control gear

	€	4x14/24w	4x28/54w
Ref. BR Dimmable ballast 1-10v		90.00	140.00
Ref. TD Electronic ballast Touch and Dim		95.00	160.00
Ref. CF Lighting control system "master"		150.00	200.00
Ref. FP Lighting sensor control system "master"		300.00	350.00
Ref. KE Emergency kit	110.00		

Rough increase of accessories

	€
Ref. 1213 Flow recuperator	30.00
Ref. 1211 Suspension kit	26.80
Ref. L Customised logo printed in four colour process	15.00
Ref. M Micro punch diffuser	10.00
Ref. WL Wieland connector	16.30



Ref. M
Micro punch diffuser



Ref. L
Customised logo
printed in four colour
process.

Accessories

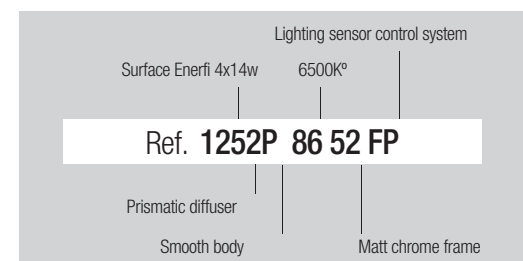


Ref. 1213
Flow recuperator.



Ref. 1211
Suspension kit.
Standard version 1 metre length.
Made-to-measure possibility.

Example to write a reference with options







APPLICATIONS FOR FLUORESCENCE

Chromatic reproduction index (IRC or Ra).

We use a scale from 0 to 100 to measure how a luminous source can reproduce the aspect of colours towards a "pattern luminous source".

We measure the difference between the colour coming from our luminous source and the real light it would had under normalized light of such a "pattern luminous source".

Colour temperature (Tc)

It is the temperature (Kelvin degrees) reached by a black object when heating up to give out the same light as our luminous source.

There is a normalized chart for colours or wavelengths emitted by a black object or "perfect radiator", according to Kelvin degrees.

Colour temperature indicates the seeming light of a luminous source, there are 3 major groups:

Warm (yellow light): From 2700°K to 3500°K (around)

Neutral: From 3500°K to 4000°K (around)

Cold (White light): From 4000°K to 6000°K (around)

Colour temperature must match lighting levels to create a natural and nice feeling. Such effect can be checked through a diagram called: "Kruithof chart".

Ref. **82** lamp 827 / 2700K°

Ref. **83** lamp 830 / 3000K°

Ref. **84** lamp 840 / 4000K°

Ref. **86** lamp 865 / 6500K°

**Diffusers**

Ref. **B** Parabolic brightness aluminium "v" diffuser

Ref. **A** Parabolic white-lacquered "v" diffuser

Ref. **Z** Low brightness diffuser (double parabolic)

Ref. **P** Prismatic diffuser

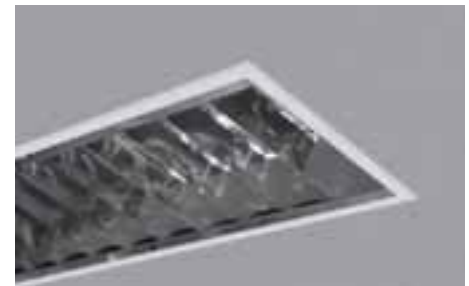
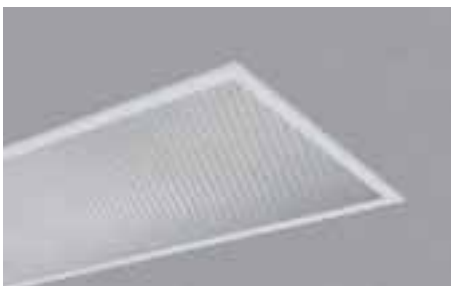
Ref. **Q** Opal diffuser

Ref. **P44** Prismatic diffuser IP44

Ref. **Q44** Opal diffuser IP44

Ref. **P65** Prismatic diffuser sealed IP65

Ref. **Q65** Opal diffuser sealed IP65

Ref. **B**Ref. **A**Ref. **Z**Ref. **P/P44/P65**Ref. **Q/Q44/Q65**

EQUIPMENT OPTIONS

Ref. G **Control Gear.**

Strong ballast, long lasting and economic, guarantees the efficiency of lamps..

Ref. AF **Control Gear and condensa High Factor capacitor.**

Strong Ballast, long lasting and economic, guarantees the efficiency of lamps which together with a capacitor allows to correct the power factor.

Ref. BE **Electronic Ballast with preheating.**

The use of this ballast means an energetic save of 25% compared with the conventional control gear, which increases the endurance of lamps up to a 50%, which is especially important when there is a lot of on and off switching everyday. It corrects the flow of power and the blinking when functioning with high frequencies. As a result of the low consumption, we reduce the CO2 emission into the atmosphere.

Ref. BR **Electronic Dimmable Ballast 1-10v.**

With the same characteristics than the Electronic Ballast with preheating, also allows analogic dimming that lets the user to control the intensity of light from 1% to 100% with the dimmer into the switch.

Ref. TD **Electronic Dimmable Ballast Touch and Dim/DALI.**

With the same characteristics than the Electronic Ballast with preheating, also allows dimming with a switch, which lets the adjustment of light as wished. One push to switch on and off, and keep pushed to dimm. Compatible with DALI protocol.

Ref. CF **Lighting Flow Control.**

With the same characteristics than the Electronic Ballast with preheating, it is a device which includes a sensor of the lighting needed depending on the surrounding natural light. Its aim is to save energy, compensating the excessive light caused by overdimensioned lighting structure. This device if attached to the lamp with a simple clip, and is connected to the electronic dimmable ballast 1-10V (ref. BR). Wherever such ballast is connected it will be named as **"master"**, and depending on the amount of light received by the sensor in the master ballast, it can be dimmed up to 20 **"slave"** ballasts in line. (These should also be Electronic dimmable ballast 1 – 10 V). This sensor also has a rotating diaphragm, that allows to adjust manually the light intensity.

Ref. FP **Lighting Flow and Presence Control.**

With the same characteristics than the Electronic Ballast with preheating, it is a device based on a multiple sensor (natural light level, movement and IR receiver), and a control which turns sensor information into a digital signal. The Touch & Dali ballast connected to this system will become the **"master"** ballast. This system can control a maximum of 8 **"slave"** ballasts (which also have to be electronic dimmable Touch & Dali ballast).

Lamps luminous intensity is regulated according to the amount of natural light and the physical presence, without any type of programming. This system allows adapting automatically delays so that it gradually reduces intensity as it detected empty areas, while keeping a comfortable distribution without umbra. It reaches energy savings of 75%. It also allows varying programming by changing pre-programmed light level with a button in the sensor device adapted to the needs of the installation. It is not necessary to use switches with cables and so, it considerably reduces installation costs. at the same time it increases flexibility in case of changes in distribution and lighting rooms.



Lighting control system



Lighting sensor control system

Technical data	Lighting control system	Lighting sensor control system
	Ref. CF	Ref. FP
Control system according to sunlight light	YES	YES
Movement sensor	NO	YES
IR remote control	NO	YES
Switching	NO	YES
Maximum number of slave units	20	8
Type of ballast	BR	TD
Maximum height of set-up	4 m	3.5 m

Ref. KE **Emergency kit .**

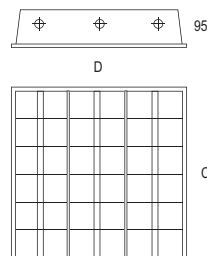
In case of power cut, the emergency kit system allows an easy and safe evacuation of users outside. The system has an internal storage battery in constant charge which able to supply 30% of its power during a maximum of 3 hours.



View profile Virtus Armstrong. Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) white-lacquered aluminium (Ref. A) and low brightness (double parabolic) (Ref. Z). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P).
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled Armstrong type. SCB safety cable for screens (Ref. 1215). Frame suited to ceilings of 15mm (Ref. 1212).
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D	Ceiling module
2x36	597	637	600x600
3x36	597	637	600x600
2x55	597	637	600x600
3x55	597	637	600x600

Includes parabolic brightness aluminium "v" diffuser and lamps PL-L 84.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
908B 218PLL 84	2x18W	597 x 637	600 x 600	85.07	0.50	0.40
908B 318PLL 84	3x18W	597 x 637	600 x 600	99.18	0.50	0.60
908B 236PLL 84	2x36W	597 x 637	600 x 600	86.31	0.50	0.40
908B 336PLL 84	3x36W	597 x 637	600 x 600	100.28	0.50	0.60
908B 255PLL 84	2x55W	597 x 637	600 x 600	98.05	0.50	0.40
908B 355PLL 84	3x55W	597 x 637	600 x 600	130.04	0.50	0.60



Includes parabolic white-lacquered "v" diffuser and lamps PL-L 84.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
908A 218PLL 84	2x18W	597 x 637	600 x 600	87.34	0.50	0.40
908A 318PLL 84	3x18W	597 x 637	600 x 600	100.28	0.50	0.60
908A 236PLL 84	2x36W	597 x 637	600 x 600	87.80	0.50	0.40
908A 336PLL 84	3x36W	597 x 637	600 x 600	101.94	0.50	0.60
908A 255PLL 84	2x55W	597 x 637	600 x 600	99.70	0.50	0.40
908A 355PLL 84	3x55W	597 x 637	600 x 600	132.25	0.50	0.60

Includes prismatic diffuser and lamps PL-L 84.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
908P 218PLL 84	2x18W	597 x 637	600 x 600	90.43	0.50	0.40
908P 318PLL 84	3x18W	597 x 637	600 x 600	105.43	0.50	0.60
908P 236PLL 84	2x36W	597 x 637	600 x 600	88.85	0.50	0.40
908P 336PLL 84	3x36W	597 x 637	600 x 600	106.09	0.50	0.60
908P 255PLL 84	2x55W	597 x 637	600 x 600	104.03	0.50	0.40
908P 355PLL 84	3x55W	597 x 637	600 x 600	136.78	0.50	0.60

Includes low brightness diffuser (double parabolic) and lamps PL-L 84.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
908Z 218PLL 84	2x18W	597 x 637	600 x 600	101.76	0.50	0.40
908Z 318PLL 84	3x18W	597 x 637	600 x 600	116.76	0.50	0.60
908Z 236PLL 84	2x36W	597 x 637	600 x 600	102.58	0.50	0.40
908Z 336PLL 84	3x36W	597 x 637	600 x 600	118.14	0.50	0.60
908Z 255PLL 84	2x55W	597 x 637	600 x 600	118.14	0.50	0.40
908Z 355PLL 84	3x55W	597 x 637	600 x 600	153.05	0.50	0.60

Includes opal diffuser and lamps PL-L 84.

Ref.	W	Measures	Ceiling module	€	RAEE lum. lamp.	
908Q 218PLL 84	2x18W	597 x 637	600 x 600	90.53	0.50	0.40
908Q 318PLL 84	3x18W	597 x 637	600 x 600	105.47	0.50	0.60
908Q 236PLL 84	2x36W	597 x 637	600 x 600	91.58	0.50	0.40
908Q 336PLL 84	3x36W	597 x 637	600 x 600	106.13	0.50	0.60
908Q 255PLL 84	2x55W	597 x 637	600 x 600	104.13	0.50	0.40
908Q 355PLL 84	3x55W	597 x 637	600 x 600	136.88	0.50	0.60



OPTIONS

IRC / Colour temperature

Ref. 82	Lamp 820	2700°K
Ref. 83	Lamp 830	3000°K
Ref. 86	Lamp 865	6500°K

Rough price increase of the finished frame

Ref. 52	Lacquered screen MATT CHROME	€ 18.00
Ref. 90	Lacquered screen TITANIUM	€ 18.00

Rough increase of the control gear

		€	2x18/36	2x55w	3x36w	3x55w
Ref. AF	High factor	2.90	€	€	€	€
Ref. BE	Electronic ballast		17.85	-	44.00	-
Ref. BR	Dimmable ballast 1-10v		68.80	68.80	137.60	137.60
Ref. TD	Electronic ballast Touch and Dim		69.90	69.90	139.80	139.80
Ref. CF	Lighting control system "master"		111.20	111.20	182.00	182.00
Ref. FP	Lighting sensor control system "master"		219.90	261.20	289.00	289.00
Ref. KE	Emergency kit	110.00				

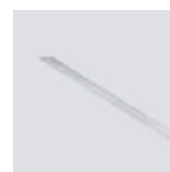
Rough increase of accessories

		€				
Ref. 1213	Flow recuperator		18.00	18.00	28.00	28.00
Ref. 1212	Frame suited to ceilings of 15mm		10.00	10.00	14.00	14.00
Ref. 1215	SCB safety cable	5.34				
Ref. WL	Wieland connector	16.30				

Accessories



Ref. **1215**
SCB safety cable for screen.
Standard version 1 metre length.
Made-to-measure possibility.

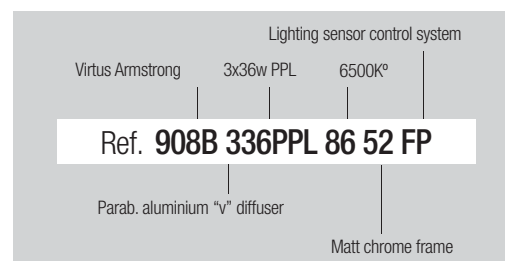


Ref. **1212**
Frame suited to ceilings of 15mm



Ref. **1213**
Flow recuperator.

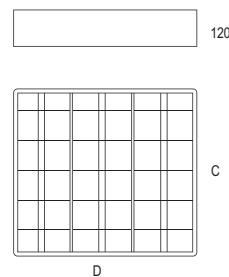
Example to write a reference with options



Surface Virtus. Lamp PL-L

Protection degree IP20 / IP44 / IP65

- Material:** Body in thermo painted steel sheet.
- Optics:** Aluminium diffusers with parabolic stripe "v" (Ref. B) white-lacquered aluminium (Ref. A) and low brightness (double parabolic) (Ref Z). Opal polycarbonate difusers (Ref. Q) or with prismatic surface (Ref. P).
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** We advise you to use a flow recuperator, for a better luminous efficiency when using opal or prismatic optical glass (Ref. 1213).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



w	C	D
2x18	320	320
2x36	500	500
3x36	500	500

Includes parabolic brightness aluminium "v" diffuser and lamps PL-L 84.

Ref.	W	Measures	€	RAEE lum. lamp	
909B 218 84	2x18W	320 x 320	99.18	0.50	0.40
909B 236 84	2x36W	500 x 500	108.66	0.50	0.40
909B 336 84	3x36W	500 x 500	121.33	0.50	0.60

Includes parabolic white-lacquered "v" diffuser and lamps PL-L 84.

Ref.	W	Measures	€	RAEE lum. lamp	
909A 218 84	2x18W	320 x 320	101.14	0.50	0.40
909A 236 84	2x36W	500 x 500	110.93	0.50	0.40
909A 336 84	3x36W	500 x 500	123.18	0.50	0.60

Includes low brightness diffuser (double parabolic) and lamps PL-L 84.

Ref.	W	Measures	€	RAEE lum. lamp	
909Z 218 84	2x18W	320 x 320	117.52	0.50	0.40
909Z 236 84	2x36W	500 x 500	127.92	0.50	0.40
909Z 336 84	3x36W	500 x 500	140.59	0.50	0.60



Surface Virtus. Lamp PL-L



Includes prismatic diffuser and lamps PL-L 84.

Ref.	W	Measures	€	lum.	RAEE lamp
909P 218 84	2x18W	320 x 320	123.80	0.50	0.40
909P 236 84	2x36W	500 x 500	144.92	0.50	0.40
909P 336 84	3x36W	500 x 500	155.11	0.50	0.60

Includes opal diffuser and lamps PL-L 84.

Ref.	W	Measures	€	lum.	RAEE lamp
909Q 218 84	2x18W	320 x 320	123.26	0.50	0.40
909Q 236 84	2x36W	500 x 500	144.94	0.50	0.40
909Q 336 84	3x36W	500 x 500	155.13	0.50	0.60

Includes prismatic diffuser IP44 and lamps PL-L 84.

Ref.	W	Measures	€	lum.	RAEE lamp
909P44 218 84	2x18W	320 x 320	165.08	0.50	0.40
909P44 236 84	2x36W	500 x 500	190.18	0.50	0.40
909P44 336 84	3x36W	500 x 500	205.48	0.50	0.60

Includes opal diffuser IP44 and lamps PL-L 84.

Ref.	W	Measures	€	lum.	RAEE lamp
909Q44 218 84	2x18W	320 x 320	165.10	0.50	0.40
909Q44 236 84	2x36W	500 x 500	190.22	0.50	0.40
909Q44 336 84	3x36W	500 x 500	205.53	0.50	0.60

Includes prismatic diffuser sealed IP65 and lamps PL-L 84.

Ref.	W	Measures	€	lum.	RAEE lamp
909P65 218 84	2x18W	320 x 320	224.54	0.50	0.40
909P65 236 84	2x36W	500 x 500	257.70	0.50	0.40
909P65 336 84	3x36W	500 x 500	279.21	0.50	0.60

Includes opal diffuser sealed IP65 and lamps PL-L 84.

Ref.	W	Measures	€	lum.	RAEE lamp
909Q65 218 84	2x18W	320 x 320	224.56	0.50	0.40
909Q65 236 84	2x36W	500 x 500	257.75	0.50	0.40
909Q65 336 84	3x36W	500 x 500	279.54	0.50	0.60

OPTIONS

IRC / Colour temperature

Ref. 82	Lamp 820 / 2700°K
Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

Ref.	€
Ref. 52	Lacquered screen MATT CHROME 18.00
Ref. 90	Lacquered screen TITANIUM 18.00

Rough increase of the control gear

Ref.	€	2x18/36w	3x36W
Ref. AF	High factor	2.90	
Ref. BE	Electronic ballast		17.85 44.00
Ref. BR	Dimmable ballast 1-10v		68.80 137.60
Ref. TD	Electronic ballast Touch and Dim		69.90 139.80
Ref. CF	Lighting control system "master"		111.20 182.00
Ref. FP	Lighting sensor control system "master"		219.90 289.00
Ref. KE	Emergency kit	110.00	

Rough increase of accessories

Ref.	€
Ref. 1213	Flow recuperator 18.00 28.00
Ref. 1211	Suspension kit 26.80
Ref. WL	Wieland connector 16.30

Accessories

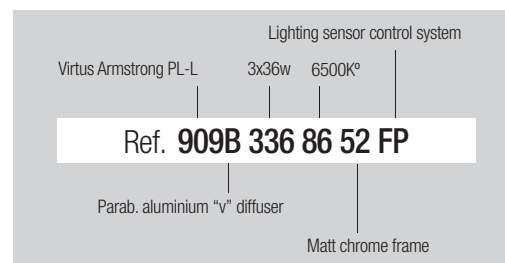


Ref. 1213
Flow recuperator.



Ref. 1211
Suspension kit.
Standard version 1 metre length.
Made-to-measure possibility.

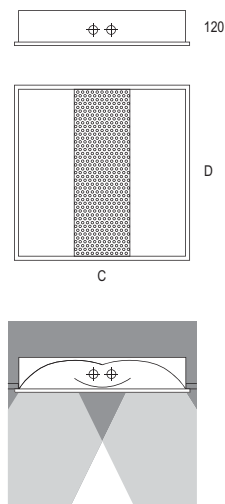
Example to write a reference with options



Recessed polyvalent indirect light Virtus Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Diffusers made in micro punch steel sheet thermo painted and with double back reflector.
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutches set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



W	C	D	Ceiling module
1x36	597	597	600x600
2x36	597	597	600x600
1x55	597	597	600x600
2x55	597	597	600x600

Includes indirect light diffuser, PL-L lamps 84 and clutches.

Ref.	W	Measures	€	lum.	RAEE lamp
1300 136 84	1x36W	597 x 597	97.16	0.50	0.20
1300 236 84	2x36W	597 x 597	108.90	0.50	0.40
1300 155 84	1x55W	597 x 597	100.35	0.50	0.20
1300 255 84	2x55W	597 x 597	111.99	0.50	0.40



OPTIONS

IRC / Colour temperature

Ref.	820 Lamp	2700°K
Ref. 82	820 Lamp	2700°K
Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

Ref.	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

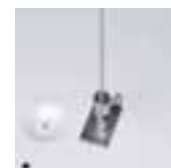
Rough increase of the control gear

Ref.	€	1x36w	1x55w	2x36w	2x55w
Ref. AF High factor	2.90	€	€	€	€
Ref. BE Electronic ballast	11.60	-	17.85	-	-
Ref. BR Dimmable ballast 1-10v	63.55	63.55	68.80	68.80	-
Ref. TD Dimmable ballast Touch and Dim	63.65	63.65	69.90	69.90	-
Ref. CF Lighting control system "master"	104.00	104.00	111.20	111.20	-
Ref. FP Lighting sensor control system "master"	213.00	213.00	219.90	219.90	-
Ref. KE Emergency kit	110.00	-	-	-	-

Rough increase of accessories

Ref.	€
Ref. 1215 SCB safety cable	5.34
Ref. 1214 4 clutches set	2.30
Ref. WL Wieland connector	16.30

Accessories

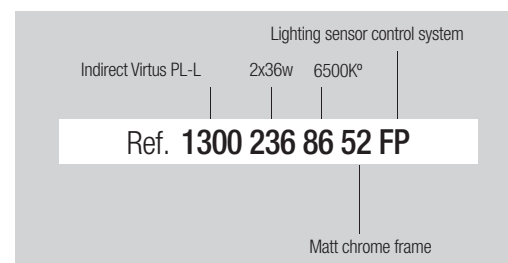


Ref. 1215
SCB safety cable for screen.
Standard version 1 metre length.



Ref. 1214
4 clutches set.

Example to write a reference with options

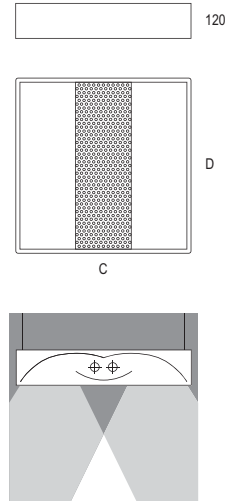


Recessed polyvalent indirect light Virtus. PL-L
Surface indirect light Virtus. PL-L

Surface indirect light Virtus Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Diffusers made in micro punch steel sheet thermo painted and with double back reflector.
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** Suspension kit with 1 metre standard length (Ref. 1211).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



W	C	D
1x36	630	600
2x36	630	600
1x55	630	600
2x55	630	600

Includes indirect light diffuser and PL-L lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1306 136 84	1x36W	630 x 600	131.94	0.50	0.20
1306 236 84	2x36W	630 x 600	143.68	0.50	0.40
1306 155 84	1x55W	630 x 600	134.10	0.50	0.20
1306 255 84	2x55W	630 x 600	145.74	0.50	0.40



OPTIONS

IRC / Colour temperature

Ref.	Description	Temperature
Ref. 82	820 Lamp	2700°K
Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	1x36w	1x55w	2x36w	2x55w
Ref. AF	High factor	2.90	€	€	€	€
Ref. BE	Electronic ballast		11.60	-	17.85	-
Ref. BR	Dimmable ballast 1-10v		63.55	63.55	68.80	68.80
Ref. TD	Dimmable ballast Touch and Dim		63.65	63.65	69.90	69.90
Ref. CF	Lighting control system "master"		104.00	104.00	111.20	111.20
Ref. FP	Lighting sensor control system "master"		213.00	213.00	219.90	219.90
Ref. KE	Emergency kit	110.00				

Rough increase of accessories

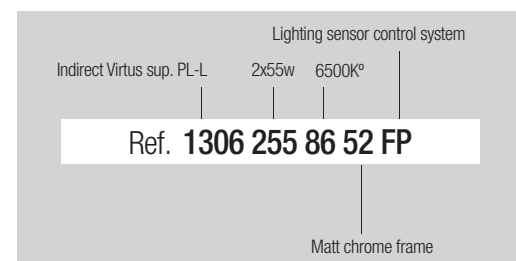
Ref.	Description	€
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Accessories



Ref. 1211
Suspension kit.
Standard version 1 metre length.
Made-to-measure possibility.

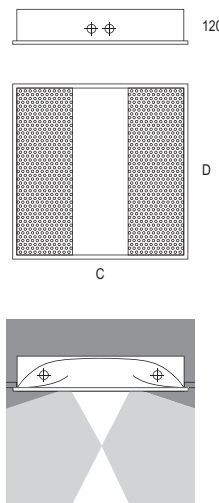
Example to write a reference with options



Polyvalent recessed of reflected light Virtus Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Diffusers made in micro punch steel sheet thermo painted and with back reflector.
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref.BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutches set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



W	C	D	Ceiling module
2x36	597	597	600x600
2x55	597	597	600x600

Includes indirect light diffuser, PL-L lamps 84 and clutches.

Ref.	W	Measures	€	lum. RAE lamp
1301 236 84	2x36W	597 x 597	108.90	0.50 0.40
1301 255 84	2x55W	597 x 597	111.99	0.50 0.40



OPTIONS

IRC / Colour temperature

Ref.	W	Measures	€	lum. RAE lamp
Ref. 82	820 Lamp			2700°K
Ref. 83	830 Lamp			3000°K
Ref. 86	865 Lamp			6500°K

Rough price increase of the finished frame

Ref.	Option	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

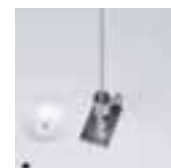
Rough increase of the control gear

Ref.	Option	€	2x36w	2x55W
Ref. AF	High factor	2.90	€	€
Ref. BE	Electronic ballast		17.85	-
Ref. BR	Dimmable ballast 1-10v		68.80	68.80
Ref. TD	Dimmable ballast Touch and Dim		69.90	69.90
Ref. CF	Lighting control system "master"		111.20	111.20
Ref. FP	Lighting sensor control system "master"		219.90	219.90
Ref. KE	Emergency kit	110.00		

Rough increase of accessories

Ref.	Option	€
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Accessories

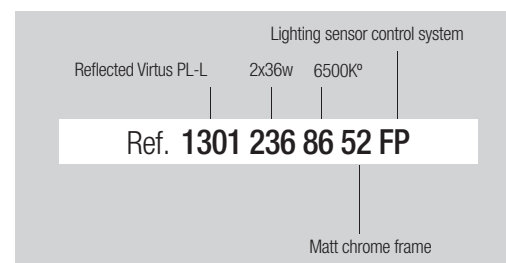


Ref. 1215
SCB safety cable for screen.
Standard version 1 metre length.



Ref. 1214
4 clutches set.

Example to write a reference with options



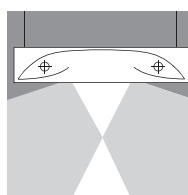
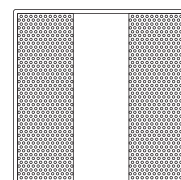
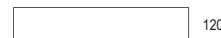
Polyvalent recessed of reflected light Virtus. PL-L

Surface of reflected light Virtus. PL-L

Surface of reflected light Virtus Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Diffusers made in micro punch steel sheet thermo painted and with back reflector.
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref.BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** Suspension kit with 1 metre standard length (Ref. 1211).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90.)



	W	C	D
	2x36	630	600
	2x55	630	600

Includes indirect light diffuser and PL-L lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1307 236 84	2x36W	630 x 600	143.68	0.50	0.40
1307 255 84	2x55W	630 x 600	145.74	0.50	0.40



OPTIONS

IRC / Colour temperature

Ref.	IRC / Colour temperature	Price
Ref. 82	820 Lamp 2700°K	
Ref. 83	830 Lamp 3000°K	
Ref. 86	865 Lamp 6500°K	

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	2x36w	2x55W
Ref. AF	High factor	2.90	€	€
Ref. BE	Electronic ballast		17.85	-
Ref. BR	Dimmable ballast 1-10v		68.80	68.80
Ref. TD	Dimmable ballast Touch and Dim		69.90	69.90
Ref. CF	Lighting control system "master"		111.20	111.20
Ref. FP	Lighting sensor control system "master"		219.90	219.90
Ref. KE	Emergency kit	110.00		

Rough increase of accessories

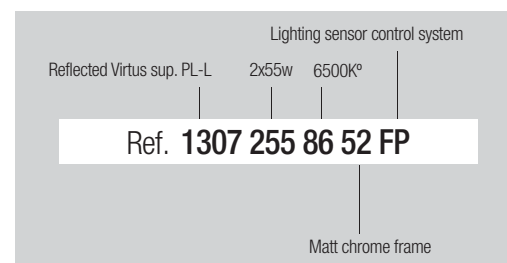
Ref.	Description	€
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Accessories



Ref. 1211
Suspension kit.
Standard version 1 metre length.
Made-to-measure possibility.

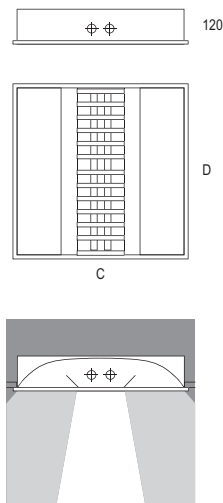
Example to write a reference with options



Recessed polyvalent indirect - direct light Virtus Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Diffusers made in micro punch steel sheet thermo painted and with back reflector.
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Accessories:** When sides of the fittings are not visible, are fixed on metallic ceilings or on smooth plaster, you have to use the clutches set (Ref. 1214). It is also supplied with a SCB safety cable for recessed screens (Ref. 1215).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



W	C	D	Ceiling module
1x36	597	597	600x600
2x36	597	597	600x600
1x55	597	597	600x600
2x55	597	597	600x600

Includes indirect-direct light diffuser, PL-L lamps 84 and clutches.

Ref.	W	Measures	€	lum.	RAEE lamp
1302 136 84	1x36W	597 x 597	120.61	0.50	0.20
1302 236 84	2x36W	597 x 597	133.25	0.50	0.40
1302 155 84	1x55W	597 x 597	122.57	0.50	0.20
1302 255 84	2x55W	597 x 597	137.11	0.50	0.40



OPTIONS

IRC / Colour temperature

Ref. 82	820 Lamp	2700°K
Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	1x36w	1x55w	2x36w	2x55w
Ref. AF	High factor	2.90	€	€	€	€
Ref. BE	Electronic ballast	11.60	-	17.85	-	-
Ref. BR	Dimmable ballast 1-10v	63.55	63.55	68.80	68.80	
Ref. TD	Dimmable ballast Touch and Dim	63.65	63.65	69.90	69.90	
Ref. CF	Lighting control system "master"	104.00	104.00	111.20	111.20	
Ref. FP	Lighting sensor control system "master"	213.00	213.00	219.90	219.90	
Ref. KE	Emergency kit	110.00				

Rough increase of accessories

Ref.	Description	€
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Accessories

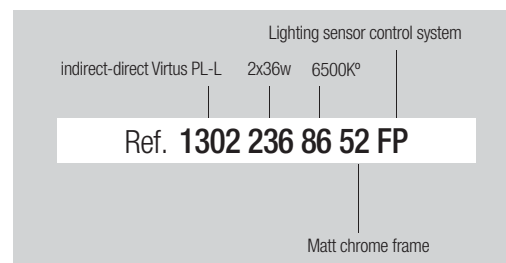


Ref. **1215**
SCB safety cable for screen.
Standard version 1 metre length.



Ref. **1214**
4 clutches set.

Example to write a reference with options

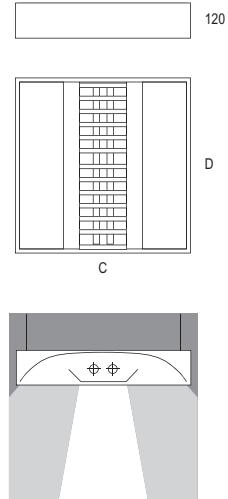


Recessed polyvalent indirect - direct light Virtus . PL-L
Surface indirect - direct light Virtus . PL-L

Surface indirect - direct light Virtus Lamp PL-L

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Diffusers made in micro punch steel sheet thermo painted and with back reflector.
- Supply:** Control gear included in each model of 18 and 36 W and dimmable ballast for 55 W. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent compact PL-L lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 820/830/865 lamps (colour temperature: 2700°k, 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Accessories:** Suspension kit with 1 metre standard length (Ref. 1211).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



W	C	D
1x36	630	600
2x36	630	600
1x55	630	600
2x55	630	600

Includes indirect-direct light diffuser and PL-L lamps 84.

Ref.	W	Measures	€	lum.	RAEE lamp
1308 136 84	1x36W	630 x 600	164.92	0.50	0.20
1308 236 84	2x36W	630 x 600	179.60	0.50	0.40
1308 155 84	1x55W	630 x 600	167.63	0.50	0.20
1308 255 84	2x55W	630 x 600	182.17	0.50	0.40



OPTIONS

IRC / Colour temperature

Ref. 82	820 Lamp	2700°K
Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

	€
Ref. 52 Lacquered screen MATT CHROME	18.00
Ref. 90 Lacquered screen TITANIUM	18.00

Rough increase of the control gear

	€	1x36w	1x55w	2x36w	2x55w
Ref. AF High factor	2.90	€	€	€	€
Ref. BE Electronic ballast		11.60	-	17.85	-
Ref. BR Dimmable ballast 1-10v		63.55	63.55	68.80	68.80
Ref. TD Dimmable ballast Touch and Dim		63.65	63.65	69.90	69.90
Ref. CF Lighting control system "master"		104.00	104.00	111.20	111.20
Ref. FP Lighting sensor control system "master"		213.00	213.00	219.90	219.90
Ref. KE Emergency kit	110.00				

Rough increase of accessories

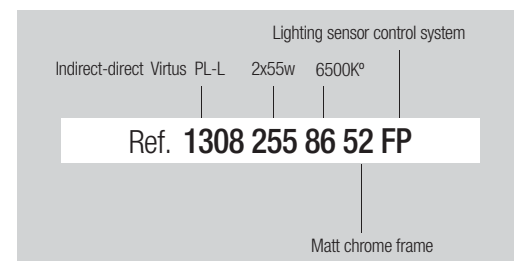
	€
Ref. 1215 SCB safety cable	5.34
Ref. 1214 4 clutches set	2.30
Ref. WL Wieland connector	16.30

Accessories



Ref. 1211
Suspension kit.
Standard version 1metre length.
Made-to-measure possibility.

Example to write a reference with options



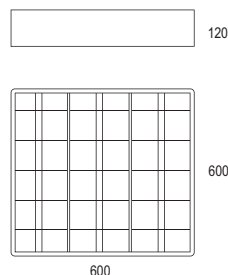
Surface screen 60x60 LED

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** T8 LED lamp of 9w, 4x9w line PBC composed by LED OSRAM DURIS or LED PCB with 25 Osram Golden Dragon LEDs of 2,4w, recommended for domestic, commercial and industrial use.
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90)



597x597



9 w line PBC composed by LED OSRAM DURIS

LED screen - 4 PCB 9w

Includes parabolic brightness aluminium "v" diffuser, driver and 4 PCB LED.

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3378 01 09 86	White	LED	4x9w	304,40	0.50
	3378 52 09 86	Matt chrome	LED	4x9w	316,20	0.50
	3378 90 09 86	Titanium	LED	4x9w	316,20	0.50

* Supplied in a standard manner with 6500° K lamp

OPTIONS

Rough price increase of driver		4x9w
		€
Ref. DR	Dimmable driver 1-10v	79.90

LED screen - 4 PCB 9w

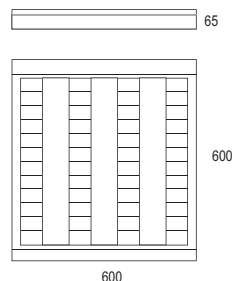
Includes parabolic brightness aluminium "v" diffuser, driver and 4 PCB LED.

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	1252 01 09 86	White	LED	4x9w	304,40	0.50
	1252 52 09 86	Matt chrome	LED	4x9w	316,20	0.50
	1252 90 09 86	Titanium	LED	4x9w	316,20	0.50

* Supplied in a standard manner with 6500° K lamp

OPTIONS

Rough price increase of driver		4x9w
		€
Ref. DR	Dimmable driver 1-10v	79.90



9 w line PBC composed by LED OSRAM DURIS

LED screen - T8 LED

Includes parabolic brightness aluminium "v" diffuser, lamps T8 LED and clutches.

Ref.	Colour	W	Measures	€	RAEE lum. lamp.	
1305B 409 85	White	4x9W	597 x 597	365,28	0.50	0.80
1305B 409 52 85	Matt chrome	4x9W	597 x 597	379,90	0.50	0.80
1305B 409 90 85	Titanium	4x9W	597 x 597	379,90	0.50	0.80

* Supplied in a standard manner with 5400° K lamp



LED

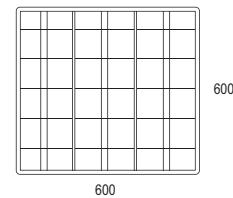
Driver suitable to type of lamp and wattage included in each model.

T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.

OPTIONS

Rough price increase of driver	4x9w
Ref. DR	€
Dimmable driver 1-10v	79.90

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
T8 LED 9w / 15w / 19w	•	•	•



LED screen - PCB 60w

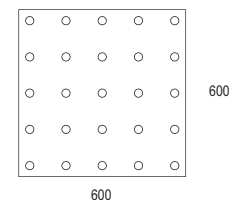


Includes driver, PCB LED and matt diffuser.

Ref.	Colour	Lamp	W	€	RAEE lum.	
3199 01 60 86	White	LED	60w	513,76	0.50	
3199 52 48 86	Matt chrome	LED	60w	525,91	0.50	
3199 90 48 86	Titanium	LED	60w	525,91	0.50	

* Supplied in a standard manner with 6500° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Rough price increase of driver	€
Ref. DR Dimmable driver 1-10V	59,80

Rough increase of accessories	€
Ref. 3208 Red LED	66,00
Ref. 3209 Green LED	66,00
Ref. 3210 Blue LED	66,00

Accessories	€
Ref. 1211 Suspension kit	26,80

Example to write a reference with options

surface screen 60x60 5400°K

Ref. **3199 90 85**

Titanium

Recessed polyvalent 60x60 LED

Protection degree IP20

- Material:** Body in thermo painted steel sheet.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** T8 LED lamp of 9w, 4x9w line PBC composed by LED OSRAM DURIS or LED PCB with 25 Osram Golden Dragon LEDs of 2,4w, recommended for domestic, commercial and industrial use.
- Installation:** Recessed for ceilings that may be disassembled (sides of the fittings can be visible or hidden), ceilings made with smooth plaster or metallic ceilings.
- Colours:** Supplied in white, as an option, in chrome matt (Ref. 52) and titanium (Ref. 90).



LED screen - 4 PCB 9w

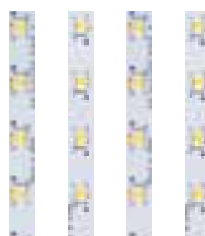
Includes parabolic brightness aluminium "v" diffuser, driver and 4 PCB LED.

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3379 01 09 86	White	LED	4x9w	288,20	0.50
	3379 52 09 86	Matt chrome	LED	4x9w	299,80	0.50
	3379 90 09 86	Titanium	LED	4x9w	299,80	0.50

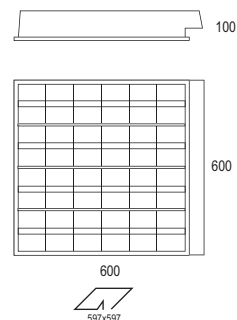
* Supplied in a standard manner with 6500° K lamp

OPTIONS

Options	4x9w
Rough price increase of driver	€
Ref. DR Dimmable driver 1-10v	79.90



9 w line PCB composed by LED OSRAM DURIS



LED screen - 4 PCB 9w

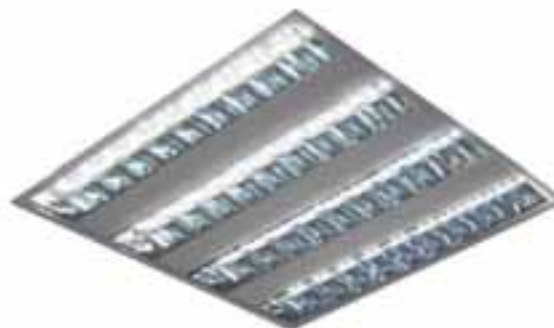
Includes parabolic brightness aluminium "v" diffuser, driver and 4 PCB LED.

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	1237 01 09 86	White	LED	4x9w	288,20	0.50
	1237 52 09 86	Matt chrome	LED	4x9w	299,80	0.50
	1237 90 09 86	Titanium	LED	4x9w	299,80	0.50

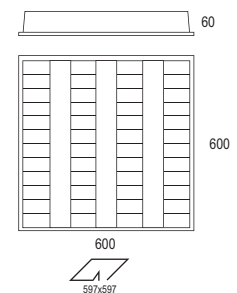
* Supplied in a standard manner with 6500° K lamp

OPTIONS

Options	4x9w
Rough price increase of driver	€
Ref. DR Dimmable driver 1-10v	79.90



9 w line PCB composed by LED OSRAM DURIS



Pantalla empotrable polivalente LED

LED screen - T8 LED

Includes parabolic brightness aluminium "v" diffuser, lamps T8 LED and clutches.

Ref.	Colour	W	Measures	Ceiling module	€	RAEE lum.	lamp.
906B 409 85	White	4x9W	597 x 597	575 x 575	352,88	0.50	0.80
906B 409 52 85	Matt chrome	4x9W	597 x 597	575 x 575	367,00	0.50	0.80
906B 409 90 85	Titanium	4x9W	597 x 597	575 x 575	367,00	0.50	0.80

* Supplied in a standard manner with 5400° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
T8 LED 9w / 15w / 19w	•	•	•



LED

Driver suitable to type of lamp and wattage included in each model.
T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.

OPTIONS

Rough price increase of driver	4x9w	€
Ref. DR Dimmable driver 1-10v		79.90

LED screen - PCB 60w



Includes driver, PCB LED matt diffuser and clutches.

Ref.	Colour	Lamp	W	€	RAEE lum.
3197 01 86	White	LED	60w	513,76	0.50
3197 52 86	Matt chrome	LED	60w	525,91	0.50
3197 90 86	Titanium	LED	60w	525,91	0.50

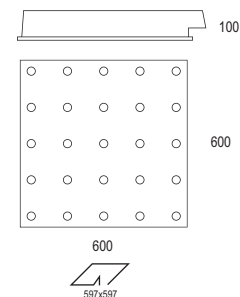
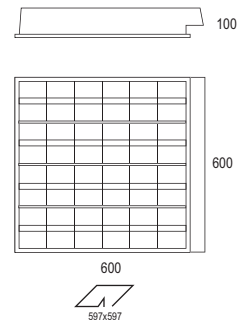
* Supplied in a standard manner with 6500° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Rough price increase of driver	€
Ref. DR Dimmable driver 1-10V	59,80

Rough increase of accessories	€
Ref. 3208 Red LED	66,00
Ref. 3209 Green LED	66,00
Ref. 3210 Blue LED	66,00

Accessories	€
Ref. 1211 Suspension kit	26,80



Example to write a reference with options

Recessed screen 60x60	5400°K
Ref. 3197 90 85	
Titanium	

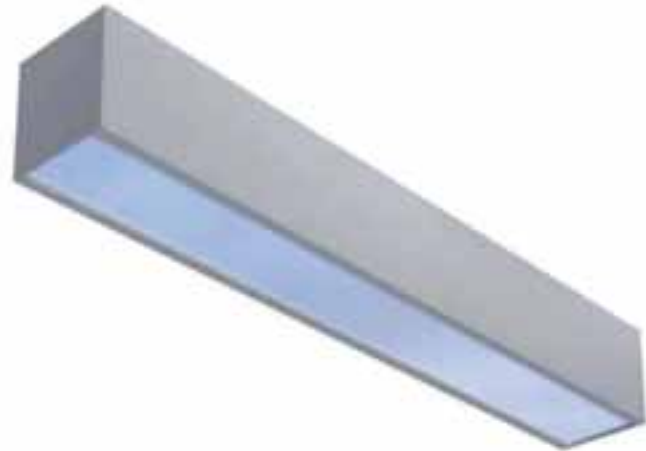


Rutro LED

Protection degree IP20 / IP43



- Material:** Extruded aluminium, ultra-flat structure in steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps. Opal diffuser, included.
- Supply:** Includes driver incorporado en la luminaria adecuado al type of lampy potencia a usar.
- Lamps:** LED-lamp Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Installation:** Directly screw on ceilings (screw not included) or hang up with a suspension kit (Ref 1211).
- Colours:** White, black, chrome matt and titanium.



Rutro 500mm / 19,2w

Includes driver and 8x2,4w LED.

	Ref.	Colour	Lamp	W	€	RAEE lum.
LED	3173 01 19 86	White	LED	19,2w	205,48	0.25
	3173 02 19 86	Black	LED	19,2w	215,75	0.25
	3173 52 19 86	Matt chrome	LED	19,2w	215,75	0.25
	3173 90 19 86	Titanium	LED	19,2w	215,75	0.25

* Supplied in a standard manner with 6500° K lamp

Rutro 1000mm / 38,4w

Includes driver and 16x2,4w LED.

	Ref.	Colour	Lamp	W	€	RAEE lum.
LED	3173 01 38 86	White	LED	38,4w	381,61	0.25
	3173 02 38 86	Black	LED	38,4w	400,69	0.25
	3173 52 38 86	Matt chrome	LED	38,4w	400,69	0.25
	3173 90 38 86	Titanium	LED	38,4w	400,69	0.25

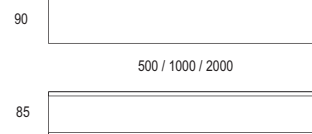
* Supplied in a standard manner with 6500° K lamp

Rutro 2000mm / 76,8w

Includes driver and 32x2,4w LED.

	Ref.	Colour	Lamp	W	€	RAEE lum.
LED	3173 01 76 86	White	LED	76,8w	763,23	0.25
	3173 02 76 86	Black	LED	76,8w	801,39	0.25
	3173 52 76 86	Matt chrome	LED	76,8w	801,39	0.25
	3173 90 76 86	Titanium	LED	76,8w	801,39	0.25

* Supplied in a standard manner with 6500° K lamp



LED OPTIONS

	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

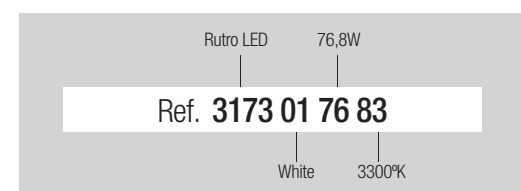
Rough increase of accessories

	€
Ref. 3208 Red LED	66,00
Ref. 3209 Green LED	66,00
Ref. 3210 Blue LED	66,00

Rough increase of accessories

	€
Ref. 3174 Intermediate joint Rutro	12,00
Ref. 3036 Suspension kit	26,20

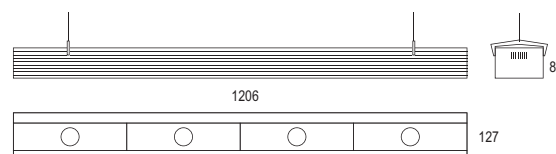
Example to write a reference with options



Esselte

Protection degree IP43

- Material:** Extruded aluminium structure, modules made in steel sheet thermo painted.
- Optics:** High-brightness aluminum reflector and opal finish polycarbonate diffuser for T5 lamps.
- Supply:** Electronics ballasts are included in all the models for T5. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF) and lighting sensor control system (Ref. FP). Electronic equipments adapted for LED lamps are included.
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, 14 and 24 watts, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k). LED lamps of 7,2 watts.
- Installation:** Directly on ceiling with a suspension kit, standard version 1 meter length (screw not included)
- Colours:** Body with titanium finish and white, black or titanium modules.



Esselte 4 lamps dichroic halogen

Includes transformer, suspensions and DICHROIC HALOGEN lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1500 01	White	50w/220v	GU10	4x50w	272,64	0.50
1500 02	Black	50w/220v	GU10	4x50w	272,74	0.50
1500 90	Titanium	50w/220v	GU10	4x50w	272,84	0.50

* Supplied in a standard manner with 36° opening lamp

Esselte 4 LED lamps

Includes driver, suspensions and LED lamps

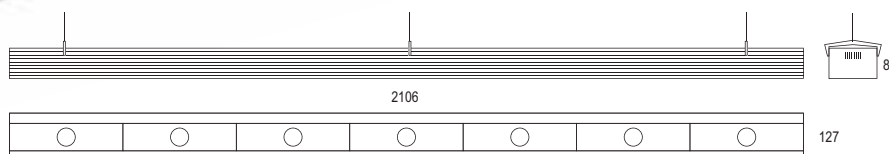
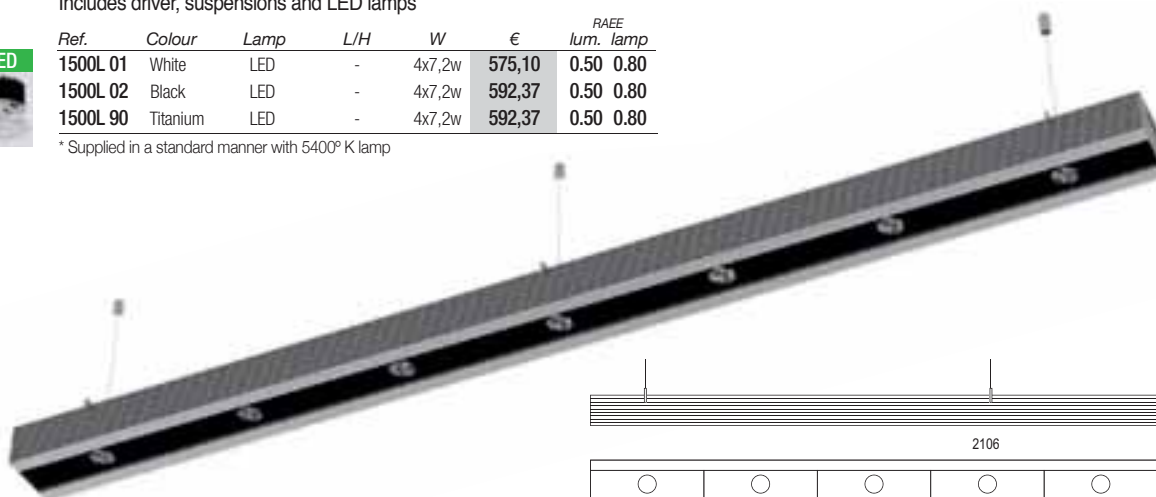
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1500L 01	White	LED	-	4x7,2w	575,10	0.50 0.80
1500L 02	Black	LED	-	4x7,2w	592,37	0.50 0.80
1500L 90	Titanium	LED	-	4x7,2w	592,37	0.50 0.80

* Supplied in a standard manner with 5400° K lamp

Esselte 4 LED RGB lamps

Includes driver, suspensions and LED RGB lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1500L 01 03	White	LED	GU5.3	4x3w	430,48	0.50 0.80
1500L 02 03	Black	LED	GU5.3	4x3w	443,40	0.50 0.80
1500L 90 03	Titanium	LED	GU5.3	4x3w	443,40	0.50 0.80



Esselte 7 lamps dichroic halogen

Includes transformer, suspensions and DICHROIC HALOGEN lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1505 01	White	50w/220v	GU10	7x50w	429,93	0.50
1505 02	Black	50w/220v	GU10	7x50w	429,93	0.50
1505 90	Titanium	50w/220v	GU10	7x50w	429,93	0.50

* Supplied in a standard manner with 36° opening lamp

Esselte 7 LED lamps

Includes driver, suspensions and LED lamps

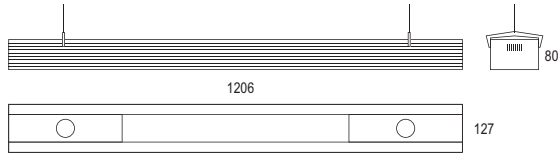
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1505L 01	White	LED	-	7x7,2w	925,71	0.50 1.40
1505L 02	Black	LED	-	7x7,2w	953,48	0.50 1.40
1505L 90	Titanium	LED	-	7x7,2w	953,48	0.50 1.40

* Supplied in a standard manner with 5400° K lamp

Esselte 7 LED RGB lamps

Includes driver, suspensions and LED RGB lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
1505L 01 03	White	LED	GU5.3	7x3w	816,53	0.50 1.40
1505L 02 03	Black	LED	GU5.3	7x3w	841,02	0.50 1.40
1505L 90 03	Titanium	LED	GU5.3	7x3w	841,02	0.50 1.40



Esselte T5 + 2 lamps dichroic halogen

Includes ballast, electronic transformer, suspensions, T5 lamps and DICHROIC HALOGEN

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1501 01 114	White	T5	G5	50w/220v	GU10	1x14w	2x50w	345,59	0.50	0.30
1501 02 114	Black	T5	G5	50w/220v	GU10	1x14w	2x50w	345,61	0.50	0.30
1501 90 114	Titanium	T5	G5	50w/220v	GU10	1x14w	2x50w	345,66	0.50	0.30
1501 01 124	White	T5	G5	50w/220v	GU10	1x24w	2x50w	355,86	0.50	0.30
1501 02 124	Black	T5	G5	50w/220v	GU10	1x24w	2x50w	355,88	0.50	0.30
1501 90 124	Titanium	T5	G5	50w/220v	GU10	1x24w	2x50w	355,90	0.50	0.30

* The dichroic halogen lamp is supplied in a standard manner with 36° opening lamp
 * The T5 lamp is supplied in a standard manner with 4200° K lamp

Esselte T5 + 2 LED lamps

Includes ballast, driver, suspensions, T5 lamp and 2 LEDs lamps 7,2w

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1501L 01 114	White	T5	G5	LED	-	1x14w	2X7,2w	410,72	0.50	0.70
1501L 02 114	Black	T5	G5	LED	-	1x14w	2X7,2w	423,06	0.50	0.70
1501L 90 114	Titanium	T5	G5	LED	-	1x14w	2x7,2w	423,06	0.50	0.70
1501L 01 124	White	T5	G5	LED	-	1x24w	2X7,2w	410,72	0.50	0.70
1501L 02 124	Black	T5	G5	LED	-	1x24w	2X7,2w	423,06	0.50	0.70
1501L 90 124	Titanium	T5	G5	LED	-	1x24w	2x7,2w	423,06	0.50	0.70

* The LED lamp 7,2w is supplied in a standard manner with 5400° K lamp
 * The T5 lamp is supplied in a standard manner with 4200° K lamp

Esselte T5 + 2 LED RGB lamps

Includes ballast, driver, suspensions, T5 lamp and 2 LED RGB lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1510L 01 114	White	T5	G5	LED	GU5.3	1x14w	2X3w	379,61	0.50	0.70
1510L 02 114	Black	T5	G5	LED	GU5.3	1x14w	2X3w	391,00	0.50	0.70
1510L 90 114	Titanium	T5	G5	LED	GU5.3	1x14w	2x3w	391,00	0.50	0.70
1510L 01 124	White	T5	G5	LED	GU5.3	1x24w	2X3w	379,61	0.50	0.70
1510L 02 124	Black	T5	G5	LED	GU5.3	1x24w	2X3w	391,00	0.50	0.70
1510L 90 124	Titanium	T5	G5	LED	GU5.3	1x24w	2x3w	391,00	0.50	0.70

* The T5 lamp is supplied in a standard manner with 4200° K lamp



Rough increase of accessories		€
Ref. 3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of accessories

Ref. 3038	Joint 90°	38,10
Ref. 3039	Intermediate joint	8,20

Rough increase of control gear

Ref. BR	Dimmable ballast 1-10v	72,00
Ref. TD	Dimmable ballast Touch and Dim	74,00



Ref. 3038
Joint 90°



Ref. 3039
Joint intermedia.

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Esselte T5+2xLED. 1x24w Lighting sensor control system

Ref. 1501L 02 124 83 83 FP


Black Inside 3000°K 3000°K

Esselte



Esselte 2xT5 + 3 lamps dichroic halogen

Includes ballast, electronic transformer, suspensions, T5 lamps and DICHROIC HALOGEN


Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
 1506 01 114	White	T5	G5	50w/220v	GU10	2x14w	3x50w	470,40	0.50	0.60
1506 02 114	Black	T5	G5	50w/220v	GU10	2x14w	3x50w	470,42	0.50	0.60
1506 90 114	Titanium	T5	G5	50w/220v	GU10	2x14w	3x50w	470,44	0.50	0.60
1506 01 124	White	T5	G5	50w/220v	GU10	2x24w	3x50w	480,70	0.50	0.60
1506 02 124	Black	T5	G5	50w/220v	GU10	2x24w	3x50w	480,72	0.50	0.60
1506 90 124	Titanium	T5	G5	50w/220v	GU10	2x24w	3x50w	480,74	0.50	0.60

* The dichroic halogen lamp is supplied in a standard manner with 36° opening lamp

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Esselte 2xT5 + 3 LED lamps

Includes ballast, driver, suspensions, T5 lamps and LED lamps 7,2w


Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
 1506L 01 114	White	T5	G5	LED	-	2x14w	3x7,2w	651,79	0.50	1.20
1506L 02 114	Black	T5	G5	LED	-	2x14w	3x7,2w	671,34	0.50	1.20
1506L 90 114	Titanium	T5	G5	LED	-	2x14w	3x7,2w	671,34	0.50	1.20
1506L 01 124	White	T5	G5	LED	-	2x24w	3x7,2w	651,79	0.50	1.20
1506L 02 124	Black	T5	G5	LED	-	2x24w	3x7,2w	671,34	0.50	1.20
1506L 90 124	Titanium	T5	G5	LED	-	2x24w	3x7,2w	671,34	0.50	1.20

* The LED lamp 7,2w is supplied in a standard manner with 5400° K lamp

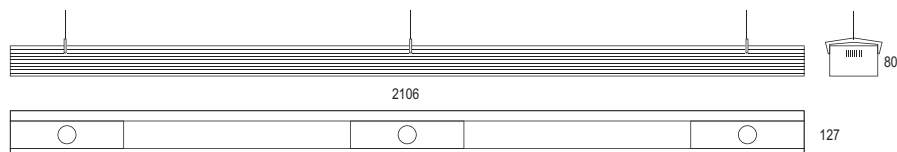
* The T5 lamp is supplied in a standard manner with 4200° K lamp

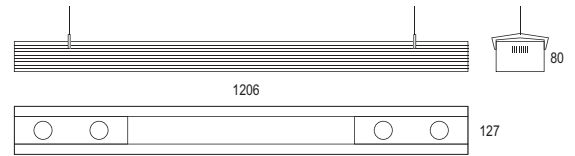
Esselte 2xT5 + 3 LED RGB lamps

Includes ballast, driver, suspensions, T5 lamps and LED RGB lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
 1512L 01 114	White	T5	G5	LED	GU5.3	2x14w	3x3w	605,15	0.50	1.20
1512L 02 114	Black	T5	G5	LED	GU5.3	2x14w	3x3w	623,28	0.50	1.20
1512L 90 114	Titanium	T5	G5	LED	GU5.3	2x14w	3x3w	623,28	0.50	1.20
1512L 01 124	White	T5	G5	LED	GU5.3	2x24w	3x3w	605,15	0.50	1.20
1512L 02 124	Black	T5	G5	LED	GU5.3	2x24w	3x3w	623,28	0.50	1.20
1512L 90 124	Titanium	T5	G5	LED	GU5.3	2x24w	3x3w	623,28	0.50	1.20

* The T5 lamp is supplied in a standard manner with 4200° K lamp





Essetle T5 + 4 lamps dichroic halogen

Includes ballast, electronic transformer, suspensions, T5 lamps and DICHROIC HALOGEN

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1502 01 114	White	T5	G5	50w/220v	GU10	1x14w	4x50w	378,83	0.50	0.30
1502 02 114	Black	T5	G5	50w/220v	GU10	1x14w	4x50w	378,85	0.50	0.30
1502 90 114	Titanium	T5	G5	50w/220v	GU10	1x14w	4x50w	378,87	0.50	0.30
1502 01 124	White	T5	G5	50w/220v	GU10	1x24w	4x50w	389,13	0.50	0.30
1502 02 124	Black	T5	G5	50w/220v	GU10	1x24w	4x50w	389,15	0.50	0.30
1502 90 124	Titanium	T5	G5	50w/220v	GU10	1x24w	4x50w	389,17	0.50	0.30

* The dichroic halogen lamp is supplied in a standard manner with 36° opening lamp

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Essetle T5 + 4 LED lamps

Includes ballast, driver, suspensions, T5 lamp and lamps LEDs 7,2w

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1502L 01 114	White	T5	G5	LED	-	1x14w	4x7,2w	615,05	0.50	1.10
1502L 02 114	Black	T5	G5	LED	-	1x14w	4x7,2w	633,52	0.50	1.10
1502L 90 114	Titanium	T5	G5	LED	-	1x14w	4x7,2w	633,52	0.50	1.10
1502L 01 124	White	T5	G5	LED	-	1x24w	4x7,2w	615,05	0.50	1.10
1502L 02 124	Black	T5	G5	LED	-	1x24w	4x7,2w	633,52	0.50	1.10
1502L 90 124	Titanium	T5	G5	LED	-	1x24w	4x7,2w	633,52	0.50	1.10

* The LED lamp 7,2w is supplied in a standard manner with 5400° K lamp

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Essetle T5 + 4 LED RGB lamps

Includes ballast, driver, suspensions, T5 lamp and LED RGB lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1511L 01 114	White	T5	G5	LED	GU5.3	1x14w	4X3w	470,44	0.50	1.10
1511L 02 114	Black	T5	G5	LED	GU5.3	1x14w	4X3w	484,57	0.50	1.10
1511L 90 114	Titanium	T5	G5	LED	GU5.3	1x14w	4X3w	484,57	0.50	1.10
1511L 01 124	White	T5	G5	LED	GU5.3	1x24w	4X3w	470,44	0.50	1.10
1511L 02 124	Black	T5	G5	LED	GU5.3	1x24w	4X3w	484,57	0.50	1.10
1511L 90 124	Titanium	T5	G5	LED	GU5.3	1x24w	4X3w	484,57	0.50	1.10

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Rough increase of accessories

Ref.	Controller MR16 LED RGB lamp	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of accessories

Ref. 3038	Joint 90°	38,10
Ref. 3039	Intermediate joint	8,20

Rough increase of control gear

Ref. BR	Dimmable ballast 1-10v	72,00
Ref. TD	Dimmable ballast Touch and Dim	74,00



Ref. 3038
Joint 90°



Ref. 3039
Joint intermedia.

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Essetle T5+4xLED. 1x24w Lighting sensor control system

Ref. 1502L 02 124 83 83 FP

Black inside 3000°K 3000°K

Esselte



Esselte 2xT5 + 6 lamps dichroic halogen

Includes ballast, electronic transformer, suspensions, T5 lamps and DICHROIC HALOGEN

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1507 01 214	White	T5	G5	50w/220v	GU10	2x14w	6x50w	523,52	0.50	0.60
1507 02 214	Black	T5	G5	50w/220v	GU10	2x14w	6x50w	523,54	0.50	0.60
1507 90 214	Titanium	T5	G5	50w/220v	GU10	2x14w	6x50w	523,56	0.50	0.60
1507 01 224	White	T5	G5	50w/220v	GU10	2x24w	6x50w	533,82	0.50	0.60
1507 02 224	Black	T5	G5	50w/220v	GU10	2x24w	6x50w	533,84	0.50	0.60
1507 90 224	Titanium	T5	G5	50w/220v	GU10	2x24w	6x50w	533,86	0.50	0.60



* The dichroic halogen lamp is supplied in a standard manner with 36° opening lamp
 * The T5 lamp is supplied in a standard manner with 4200° K lamp

Esselte 2xT5 + 6 LED lamps

Includes ballast, driver, suspensions, T5 lamps and LED lamps 7,2w

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1507L 01 214	White	T5	G5	LED	-	2x14w	6x7,2w	926,64	0.50	1.80
1507L 02 214	Black	T5	G5	LED	-	2x14w	6x7,2w	954,47	0.50	1.80
1507L 90 214	Titanium	T5	G5	LED	-	2x14w	6x7,2w	954,47	0.50	1.80
1507L 01 224	White	T5	G5	LED	-	2x24w	6x7,2w	926,64	0.50	1.80
1507L 02 224	Black	T5	G5	LED	-	2x24w	6x7,2w	954,47	0.50	1.80
1507L 90 224	Titanium	T5	G5	LED	-	2x24w	6x7,2w	954,47	0.50	1.80



* The LED lamp 7,2w is supplied in a standard manner with 5400° K lamp
 * The T5 lamp is supplied in a standard manner with 4200° K lamp

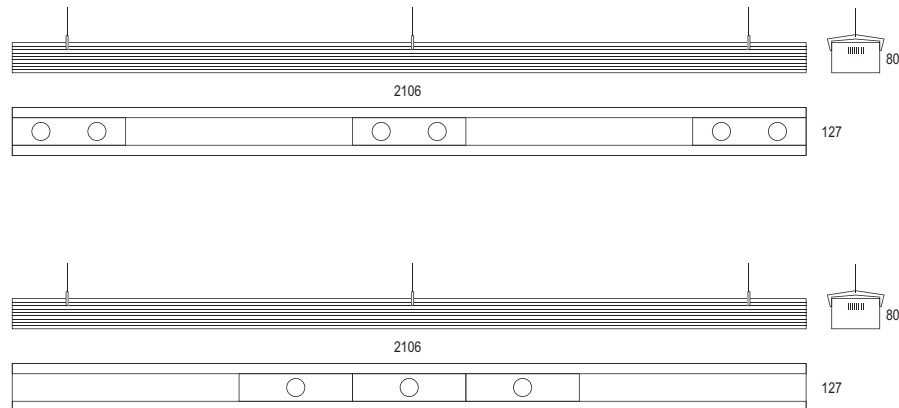
Esselte 2xT5 + 3 LED RGB lamps

Includes ballast, driver, suspensions, T5 lamps and LED RGB lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1513L 01 214	White	T5	G5	LED	GU5.3	2x14w	6x3w	833,33	0.50	1.80
1513L 02 214	Black	T5	G5	LED	GU5.3	2x14w	6x3w	858,33	0.50	1.80
1513L 90 214	Titanium	T5	G5	LED	GU5.3	2x14w	6x3w	858,33	0.50	1.80
1513L 01 224	White	T5	G5	LED	GU5.3	2x24w	6x3w	833,33	0.50	1.80
1513L 02 224	Black	T5	G5	LED	GU5.3	2x24w	6x3w	858,33	0.50	1.80
1513L 90 224	Titanium	T5	G5	LED	GU5.3	2x24w	6x3w	858,33	0.50	1.80



* The T5 lamp is supplied in a standard manner with 4200° K lamp





Esselte 2xT5 + 3 lamps dichroic halogen

Includes ballast, electronic transformer, suspensions, T5 lamps and DICHROIC HALOGEN

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1508 01 114	White	T5	G5	50w/220v	GU10	2x14w	3x50w	470,40	0.50	0.60
1508 02 114	Black	T5	G5	50w/220v	GU10	2x14w	3x50w	470,42	0.50	0.60
1508 90 114	Titanium	T5	G5	50w/220v	GU10	2x14w	3x50w	470,44	0.50	0.60
1508 01 124	White	T5	G5	50w/220v	GU10	2x24w	3x50w	480,70	0.50	0.60
1508 02 124	Black	T5	G5	50w/220v	GU10	2x24w	3x50w	480,72	0.50	0.60
1508 90 124	Titanium	T5	G5	50w/220v	GU10	2x24w	3x50w	480,74	0.50	0.60

* The dichroic halogen lamp is supplied in a standard manner with 36° opening lamp

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Esselte 2xT5 + 3 LED lamps

Includes ballast, driver, suspensions, T5 lamps and LED lamps 7,2w

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1508L 01 214	White	T5	G5	LED	-	2x14w	3x7,2w	651,88	0.50	1.20
1508L 02 214	Black	T5	G5	LED	-	2x14w	3x7,2w	671,44	0.50	1.20
1508L 90 214	Titanium	T5	G5	LED	-	2x14w	3x7,2w	671,44	0.50	1.20
1508L 01 224	White	T5	G5	LED	-	2x24w	3x7,2w	651,88	0.50	1.20
1508L 02 224	Black	T5	G5	LED	-	2x24w	3x7,2w	671,44	0.50	1.20
1508L 90 224	Titanium	T5	G5	LED	-	2x24w	3x7,2w	671,44	0.50	1.20

* The LED lamp 7,2w is supplied in a standard manner with 5400° K lamp

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Esselte 2xT5 + 3 LED RGB lamps

Includes ballast, drivers, suspensions, T5 lamps and LED RGB lamps

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1)	W(2)	€	RAEE	
									lum.	lamp.
1514L 01 214	White	T5	G5	LED	GU5.3	2x14w	3x3w	605,22	0.50	1.20
1514L 02 214	Black	T5	G5	LED	GU5.3	2x14w	3x3w	623,38	0.50	1.20
1514L 90 214	Titanium	T5	G5	LED	GU5.3	2x14w	3x3w	623,38	0.50	1.20
1514L 01 224	White	T5	G5	LED	GU5.3	2x24w	3x3w	605,22	0.50	1.20
1514L 02 224	Black	T5	G5	LED	GU5.3	2x24w	3x3w	623,38	0.50	1.20
1514L 90 224	Titanium	T5	G5	LED	GU5.3	2x24w	3x3w	623,38	0.50	1.20

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Rough increase of accessories

Ref.	Description	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of accessories

Ref. 3038	Joint 90°	38,10
Ref. 3039	Intermediate joint	8,20

Rough increase of control gear

Ref.	Description	2x14/24w €
Ref. BR	Dimmable ballast 1-10v	72,00
Ref. TD	Dimmable ballast Touch and Dim	74,00



Ref. 3038
Joint 90°



Ref. 3039
Joint intermedia.

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Esselte 2xT5+6xLED. 2x14w Lighting sensor control system

Ref. 1507L 02 214 83 84 FP

Black inside 3000°K 4000°K

Esselte



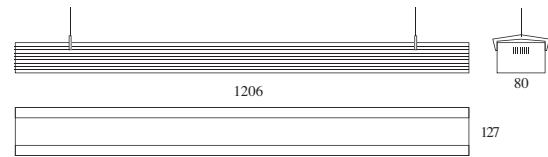
Esselte 2xT5

Includes electronic ballast, suspensions and T5 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp.
1503 01 214	White	T5	G5	2x14w	284,52	0.50	0.60
1503 02 214	Black	T5	G5	2x14w	303,67	0.50	0.60
1503 90 214	Titanium	T5	G5	2x14w	303,67	0.50	0.60
1503 01 224	White	T5	G5	2x24w	294,82	0.50	0.60
1503 02 224	Black	T5	G5	2x24w	303,66	0.50	0.60
1503 90 224	Titanium	T5	G5	2x24w	303,66	0.50	0.60



* The T5 lamp is supplied in a standard manner with 4200° K lamp



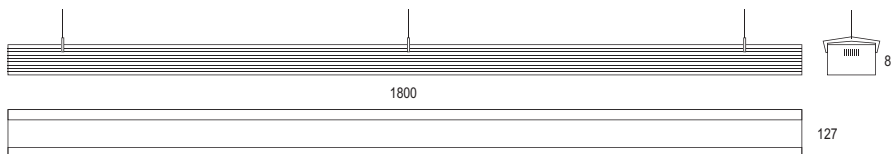


Essetle 3xT5

Includes electronic ballast, and suspensions and T5 lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
1509 01 314	White	T5	G5	3x14w	482,84	0.50	0.90
1509 02 314	Black	T5	G5	3x14w	497,34	0.50	0.90
1509 90 314	Titanium	T5	G5	3x14w	497,34	0.50	0.90
1509 01 324	White	T5	G5	3x24w	493,14	0.50	0.90
1509 02 324	Black	T5	G5	3x24w	507,95	0.50	0.90
1509 90 324	Titanium	T5	G5	3x24w	507,95	0.50	0.90

* The T5 lamp is supplied in a standard manner with 4200° K lamp



OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp



Ref. **3038**
Joint 90°



Ref. **3039**
Joint intermedia.

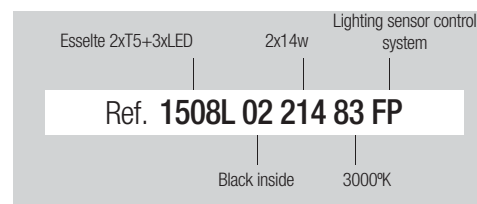
Rough increase of accessories

Ref. 3038	Joint 90°	38,10
Ref. 3039	Intermediate joint	8,20

Rough increase of control gear

		2x14/24w €
Ref. BR	Dimmable ballast 1-10v	72,00
Ref. TD	Dimmable ballast Touch and Dim	74,00
Ref. CF	Lighting control system "master"	129,00
Ref. FP	Lighting sensor control system "master"	290,00

Example to write a reference with options





Libu

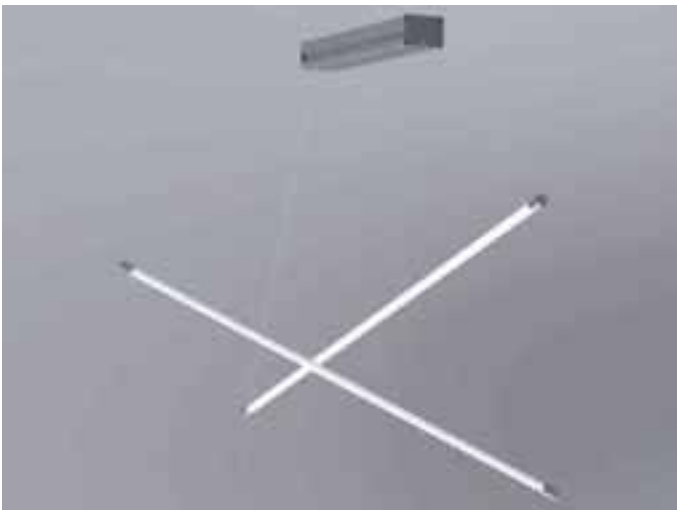
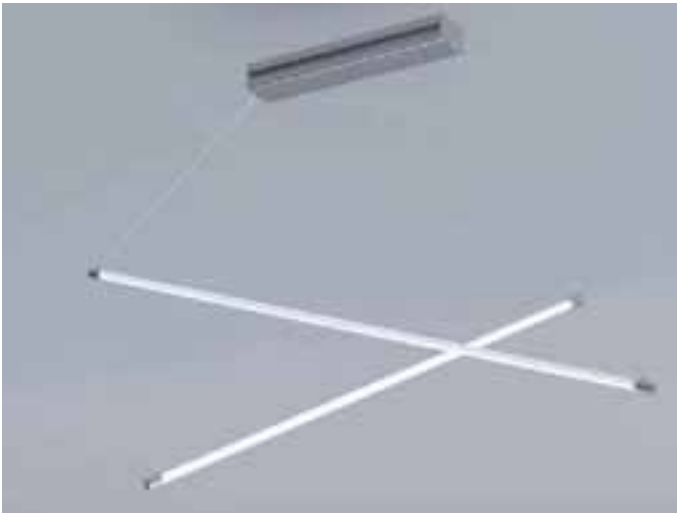
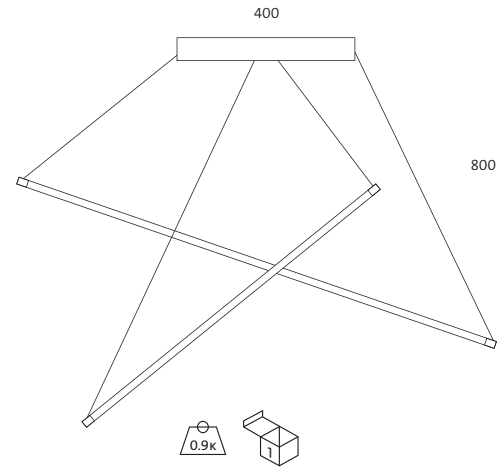
Protection degree IP20

- Material:** Thermo-painted cast aluminium.
- Supply:** Includes electronic equipment.
- Lamps:** Philips TL5 fluorescent lamps 14, 21, 28 and 35 watts. Supplied with lamp 840 standard, 4000k°. Optionally with 830/865 (3000 and 6500°K). It comes standard with 840 lamp with colour temperature of 4000 ° ky 830/865 optionally with respective temperatures of 3000 ° K and 6500 ° k.
- Installation:** Installed on ceiling with bolts (not supplied).
- Colours:** Aluminium.
- Options:** Different cable lengths available optionally.

Includes electronic ballast and T5 lamps

Ref.	Colour	Lamp	w1	w2	length1	length2	€	RAEE lum. lamp.	
3096 14 14 84	Aluminium	TL5	1x14w	1x14w	600	600	391,60	0.25	0.60
3096 14 21 84	Aluminium	TL5	1x14w	1x21w	600	900	410,45	0.25	0.60
3096 14 28 84	Aluminium	TL5	1x14w	1x28w	600	1200	410,45	0.25	0.60
3096 14 35 84	Aluminium	TL5	1x14w	1x35w	600	1500	410,45	0.25	0.60
3096 21 21 84	Aluminium	TL5	1x21w	1x21w	900	900	397,16	0.25	0.60
3096 21 28 84	Aluminium	TL5	1x21w	1x28w	900	1200	410,45	0.25	0.60
3096 21 35 84	Aluminium	TL5	1x21w	1x35w	900	1500	410,45	0.25	0.60
3096 28 28 84	Aluminium	TL5	1x28w	1x28w	1200	1200	397,16	0.25	0.60
3096 28 35 84	Aluminium	TL5	1x28w	1x35w	1200	1500	410,45	0.25	0.60
3096 35 35 84	Aluminium	TL5	1x35w	1x35w	1500	1500	397,06	0.25	0.60

* Supplied in a standard manner with 4000° K lamp



OPTIONS

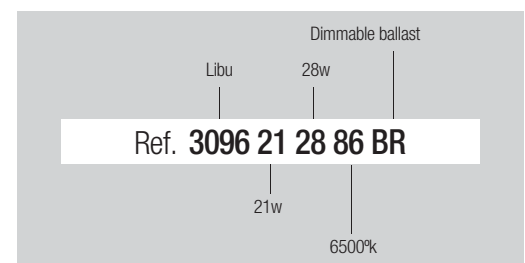
IRC / Colour temperature

- Ref. **83** 830 / 3000°K Lamp
- Ref. **86** 865 / 6500°K Lamp

Rough increase of equipo

	€
Ref. BR Dimmable ballast 1-10v	74,00
Ref. TD Dimmable ballast Touch and Dim	80,00

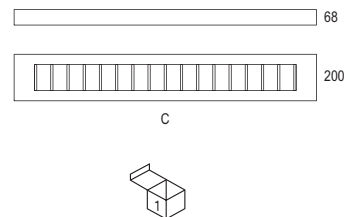
Example to write a reference with options



Kra T5

Protection degree IP20 / IP43

- Material:** Extruded aluminium, ultra-flat structure in steel sheet thermo painted.
- Optics:** Brightness aluminium reflector, included. Parabolic diffuser (Ref. PB), diffuser with a grid (Ref. R) or opal plastic diffuser (Ref. P).
- Supply:** Electronic ballasts adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings or hang up with a suspension kit.
- Colours:** White, chrome matt and titanium.



Includes electronic ballast and T5 lamps 840 (without diffuser)

Ref.	Colour	W	Measures	€	RAEE lum. lamp	
KRA 01 128	White	1x28W	1300	267,67	0.50	0.30
KRA 52 128	Matt chrome	1x28W	1300	275,70	0.50	0.30
KRA 90 128	Titanium	1x28W	1300	275,70	0.50	0.30
KRA 01 135	White	1x35W	1600	262,15	0.50	0.30
KRA 52 135	Matt chrome	1x35W	1600	270,02	0.50	0.30
KRA 90 135	Titanium	1x35W	1600	270,02	0.50	0.30
KRA 01 149	White	1x49W	1600	295,59	0.50	0.30
KRA 52 149	Matt chrome	1x49W	1600	304,46	0.50	0.30
KRA 90 149	Titanium	1x49W	1600	304,46	0.50	0.30
KRA 01 154	White	1x54W	1300	267,69	0.50	0.30
KRA 52 154	Matt chrome	1x54W	1300	275,72	0.50	0.30
KRA 90 154	Titanium	1x54W	1300	275,72	0.50	0.30
KRA 01 228	White	2x28W	1300	289,45	0.50	0.60
KRA 52 228	Matt chrome	2x28W	1300	298,13	0.50	0.60
KRA 90 228	Titanium	2x28W	1300	298,13	0.50	0.60
KRA 01 235	White	2x35W	1600	311,55	0.50	0.60
KRA 52 235	Matt chrome	2x35W	1600	320,90	0.50	0.60
KRA 90 235	Titanium	2x35W	1600	320,90	0.50	0.60
KRA 01 249	White	2x49W	1600	311,55	0.50	0.60
KRA 52 249	Matt chrome	2x49W	1600	320,90	0.50	0.60
KRA 90 249	Titanium	2x49W	1600	320,90	0.50	0.60
KRA 01 254	White	2x54W	1300	289,47	0.50	0.60
KRA 52 254	Matt chrome	2x54W	1300	298,15	0.50	0.60
KRA 90 254	Titanium	2x54W	1300	298,15	0.50	0.60

Includes electronic ballast, diffuser with a grid and T5 lamps 840

Ref.	Colour	W	Measures	€	RAEE lum. lamp	
KRAR 01 128	White	1x28W	1300	287,12	0.50	0.30
KRAR 52 128	Matt chrome	1x28W	1300	295,73	0.50	0.30
KRAR 90 128	Titanium	1x28W	1300	295,73	0.50	0.30
KRAR 01 135	White	1x35W	1600	318,45	0.50	0.30
KRAR 52 135	Matt chrome	1x35W	1600	328,00	0.50	0.30
KRAR 90 135	Titanium	1x35W	1600	328,00	0.50	0.30
KRAR 01 149	White	1x49W	1600	318,50	0.50	0.30
KRAR 52 149	Matt chrome	1x49W	1600	328,06	0.50	0.30
KRAR 90 149	Titanium	1x49W	1600	328,06	0.50	0.30
KRAR 01 154	White	1x54W	1300	287,14	0.50	0.30
KRAR 52 154	Matt chrome	1x54W	1300	295,75	0.50	0.30
KRAR 90 154	Titanium	1x54W	1300	295,75	0.50	0.30
KRAR 01 228	White	2x28W	1300	308,52	0.50	0.60
KRAR 52 228	Matt chrome	2x28W	1300	317,78	0.50	0.60
KRAR 90 228	Titanium	2x28W	1300	317,78	0.50	0.60
KRAR 01 235	White	2x35W	1600	334,77	0.50	0.60
KRAR 52 235	Matt chrome	2x35W	1600	344,81	0.50	0.60
KRAR 90 235	Titanium	2x35W	1600	344,81	0.50	0.60
KRAR 01 249	White	2x49W	1600	334,79	0.50	0.60
KRAR 52 249	Matt chrome	2x49W	1600	344,83	0.50	0.60
KRAR 90 249	Titanium	2x49W	1600	344,83	0.50	0.60
KRAR 01 254	White	2x54W	1300	308,54	0.50	0.60
KRAR 52 254	Matt chrome	2x54W	1300	317,80	0.50	0.60
KRAR 90 254	Titanium	2x54W	1300	317,80	0.50	0.60

OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of the control gear

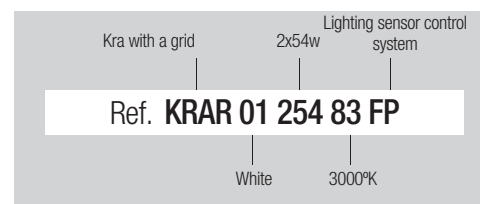
	€	1 lamp €	2 lamps €
Ref. BR Dimmable ballast 1-10v		63.00	74.00
Ref. TD Dimmable ballast Touch and Dim		65.00	80.00
Ref. CF Lighting control system "master"		120.00	135.00
Ref. FP Lighting sensor control system "master"		270.00	270.00
Ref. KE Emergency kit		110.00	

Rough increase of accessories

	€
Ref. SCBA/OV Suspension cable aluminium*	6,29
Ref. 3097 Intermediate joint	12,00
Ref. WL Wieland connector	16,30

* For other types of suspensions compatible with the model Kra see page 293.

Example to write a reference with options





Includes electronic ballast, opal diffuser (IP 43) and T5 lamps 840

Ref.	Colour	W	Measures	€	RAEE	
					lum.	lamp
KRAP 01 128	White	1x28W	1300	281,32	0.50	0.30
KRAP 52 128	Matt chrome	1x28W	1300	289,76	0.50	0.30
KRAP 90 128	Titanium	1x28W	1300	289,76	0.50	0.30
KRAP 01 135	White	1x35W	1600	329,83	0.50	0.30
KRAP 52 135	Matt chrome	1x35W	1600	339,73	0.50	0.30
KRAP 90 135	Titanium	1x35W	1600	339,73	0.50	0.30
KRAP 01 149	White	1x49W	1600	329,83	0.50	0.30
KRAP 52 149	Matt chrome	1x49W	1600	339,73	0.50	0.30
KRAP 90 149	Titanium	1x49W	1600	339,73	0.50	0.30
KRAP 01 154	White	1x54W	1300	281,34	0.50	0.30
KRAP 52 154	Matt chrome	1x54W	1300	289,78	0.50	0.30
KRAP 90 154	Titanium	1x54W	1300	289,78	0.50	0.30
KRAP 01 228	White	2x28W	1300	323,44	0.50	0.60
KRAP 52 228	Matt chrome	2x28W	1300	333,14	0.50	0.60
KRAP 90 228	Titanium	2x28W	1300	333,14	0.50	0.60
KRAP 01 235	White	2x35W	1600	348,16	0.50	0.60
KRAP 52 235	Matt chrome	2x35W	1600	358,60	0.50	0.60
KRAP 90 235	Titanium	2x35W	1600	358,60	0.50	0.60
KRAP 01 249	White	2x49W	1600	348,26	0.50	0.60
KRAP 52 249	Matt chrome	2x49W	1600	358,70	0.50	0.60
KRAP 90 249	Titanium	2x49W	1600	358,70	0.50	0.60
KRAP 01 254	White	2x54W	1300	323,46	0.50	0.60
KRAP 52 254	Matt chrome	2x54W	1300	333,16	0.50	0.60
KRAP 90 254	Titanium	2x54W	1300	333,16	0.50	0.60

Includes electronic ballast, parabolic diffuser and T5 lamps 840

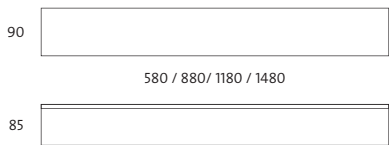
Ref.	Colour	W	Measures	€	RAEE	
					lum.	lamp
KRAPB 01 128	White	1x28W	1300	292,04	0.50	0.30
KRAPB 52 128	Matt chrome	1x28W	1300	300,80	0.50	0.30
KRAPB 90 128	Titanium	1x28W	1300	300,80	0.50	0.30
KRAPB 01 135	White	1x35W	1600	348,78	0.50	0.30
KRAPB 52 135	Matt chrome	1x35W	1600	359,25	0.50	0.30
KRAPB 90 135	Titanium	1x35W	1600	359,25	0.50	0.30
KRAPB 01 149	White	1x49W	1600	348,80	0.50	0.30
KRAPB 52 149	Matt chrome	1x49W	1600	359,27	0.50	0.30
KRAPB 90 149	Titanium	1x49W	1600	359,27	0.50	0.30
KRAPB 01 154	White	1x54W	1300	292,09	0.50	0.30
KRAPB 52 154	Matt chrome	1x54W	1300	300,86	0.50	0.30
KRAPB 90 154	Titanium	1x54W	1300	300,86	0.50	0.30
KRAPB 01 228	White	2x28W	1300	328,05	0.50	0.60
KRAPB 52 228	Matt chrome	2x28W	1300	337,89	0.50	0.60
KRAPB 90 228	Titanium	2x28W	1300	337,89	0.50	0.60
KRAPB 01 235	White	2x35W	1600	359,94	0.50	0.60
KRAPB 52 235	Matt chrome	2x35W	1600	370,74	0.50	0.60
KRAPB 90 235	Titanium	2x35W	1600	370,74	0.50	0.60
KRAPB 01 249	White	2x49W	1600	359,96	0.50	0.60
KRAPB 52 249	Matt chrome	2x49W	1600	370,76	0.50	0.60
KRAPB 90 249	Titanium	2x49W	1600	370,76	0.50	0.60
KRAPB 01 254	White	2x54W	1300	328,07	0.50	0.60
KRAPB 52 254	Matt chrome	2x54W	1300	337,91	0.50	0.60
KRAPB 90 254	Titanium	2x54W	1300	337,91	0.50	0.60



Futur

Protection degree IP20 / IP43

- Material:** Extruded aluminium, ultra-flat structure in steel sheet thermo painted.
- Optics:** Brightness aluminium reflector, included. Parabolic diffuser (Ref. PB), diffuser with a grid (Ref. R) or opal plastic diffuser (Ref. P).
- Supply:** Electronic ballasts adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings or hang up with a suspension kit.
- Colours:** White, black, chrome matt and titanium.



Ref. **SCBA/OV**
Suspension cable
aluminium Y.

OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

	€	1 lamp €	2 lamps €
Ref. BR Dimmable ballast 1-10v		63.00	74.00
Ref. TD Dimmable ballast Touch and Dim		65.00	80.00
Ref. CF Lighting control system "master"		120.00	135.00
Ref. FP Lighting sensor control system "master"		270.00	270.00
Ref. KE Emergency kit	110.00		

	€
Ref. SCBA/OV Suspension cable aluminium	6,29
Ref. 3097 Intermediate joint	12,00
Ref. WL Wieland connector	16,30

Includes electronic ballast, parabolic diffuser and 1 T5 lamp 84

Ref.	Colour	W	Measures	€	RAEE lum. lamp
3206 01 114	White	1x14W	580	157,16	0.50 0.30
3206 02 114	Black	1x14W	580	162,40	0.50 0.30
3206 52 114	Matt chrome	1x14W	580	162,40	0.50 0.30
3206 90 114	Titanium	1x14W	580	162,40	0.50 0.30
3206 01 121	White	1x21W	880	164,80	0.50 0.30
3206 02 121	Black	1x21W	880	168,50	0.50 0.30
3206 52 121	Matt chrome	1x21W	880	168,50	0.50 0.30
3206 90 121	Titanium	1x21W	880	168,50	0.50 0.30
3206 01 124	White	1x24W	580	159,90	0.50 0.30
3206 02 124	Black	1x24W	580	164,40	0.50 0.30
3206 52 124	Matt chrome	1x24W	580	164,40	0.50 0.30
3206 90 124	Titanium	1x24W	580	164,40	0.50 0.30
3206 01 128	White	1x28W	1180	198,16	0.50 0.30
3206 02 128	Black	1x28W	1180	202,20	0.50 0.30
3206 52 128	Matt chrome	1x28W	1180	202,20	0.50 0.30
3206 90 128	Titanium	1x28W	1180	202,20	0.50 0.30
3206 01 135	White	1x35W	1480	227,60	0.50 0.30
3206 02 135	Black	1x35W	1480	231,30	0.50 0.30
3206 52 135	Matt chrome	1x35W	1480	231,30	0.50 0.30
3206 90 135	Titanium	1x35W	1480	231,30	0.50 0.30
3206 01 139	White	1x39W	880	168,80	0.50 0.30
3206 02 139	Black	1x39W	880	171,20	0.50 0.30
3206 52 139	Matt chrome	1x39W	880	171,20	0.50 0.30
3206 90 139	Titanium	1x39W	880	171,20	0.50 0.30
3206 01 149	White	1x49W	1480	227,60	0.50 0.30
3206 02 149	Black	1x49W	1480	231,30	0.50 0.30
3206 52 149	Matt chrome	1x49W	1480	231,30	0.50 0.30
3206 90 149	Titanium	1x49W	1480	231,30	0.50 0.30
3206 01 154	White	1x54W	1180	198,16	0.50 0.30
3206 02 154	Black	1x54W	1180	202,20	0.50 0.30
3206 52 154	Matt chrome	1x54W	1180	202,20	0.50 0.30
3206 90 154	Titanium	1x54W	1180	202,20	0.50 0.30
3206 01 180	White	1x80W	1480	236,80	0.50 0.30
3206 02 180	Black	1x80W	1480	242,40	0.50 0.30
3206 52 180	Matt chrome	1x80W	1480	242,40	0.50 0.30
3206 90 180	Titanium	1x80W	1480	242,40	0.50 0.30



Futur surface. 1 T5 lamp

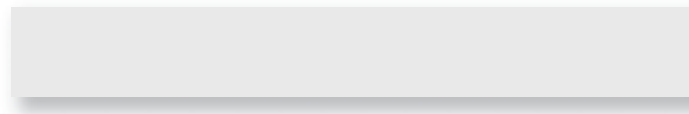


Includes electronic ballast, prismatic diffuser and 1 T5 lamp 84

Ref.	Colour	W	Measures	€	RAEE lum. lamp	
3206P 01 114	White	1x14W	580	157,16	0.50	0.30
3206P 02 114	Black	1x14W	580	162,40	0.50	0.30
3206P 52 114	Matt chrome	1x14W	580	162,40	0.50	0.30
3206P 90 114	Titanium	1x14W	580	162,40	0.50	0.30
3206P 01 121	White	1x21W	880	164,80	0.50	0.30
3206P 02 121	Black	1x21W	880	168,50	0.50	0.30
3206P 52 121	Matt chrome	1x21W	880	168,50	0.50	0.30
3206P 90 121	Titanium	1x21W	880	168,50	0.50	0.30
3206P 01 124	White	1x24W	580	159,90	0.50	0.30
3206P 02 124	Black	1x24W	580	164,40	0.50	0.30
3206P 52 124	Matt chrome	1x24W	580	164,40	0.50	0.30
3206P 90 124	Titanium	1x24W	580	164,40	0.50	0.30
3206P 01 128	White	1x28W	1180	198,16	0.50	0.30
3206P 02 128	Black	1x28W	1180	202,20	0.50	0.30
3206P 52 128	Matt chrome	1x28W	1180	202,20	0.50	0.30
3206P 90 128	Titanium	1x28W	1180	202,20	0.50	0.30
3206P 01 135	White	1x35W	1480	227,60	0.50	0.30
3206P 02 135	Black	1x35W	1480	231,30	0.50	0.30
3206P 52 135	Matt chrome	1x35W	1480	231,30	0.50	0.30
3206P 90 135	Titanium	1x35W	1480	231,30	0.50	0.30
3206P 01 139	White	1x39W	880	168,80	0.50	0.30
3206P 02 139	Black	1x39W	880	171,20	0.50	0.30
3206P 52 139	Matt chrome	1x39W	880	171,20	0.50	0.30
3206P 90 139	Titanium	1x39W	880	171,20	0.50	0.30
3206P 01 149	White	1x49W	1480	227,60	0.50	0.30
3206P 02 149	Black	1x49W	1480	231,30	0.50	0.30
3206P 52 149	Matt chrome	1x49W	1480	231,30	0.50	0.30
3206P 90 149	Titanium	1x49W	1480	231,30	0.50	0.30
3206P 01 154	White	1x54W	1180	198,16	0.50	0.30
3206P 02 154	Black	1x54W	1180	202,20	0.50	0.30
3206P 52 154	Matt chrome	1x54W	1180	202,20	0.50	0.30
3206P 90 154	Titanium	1x54W	1180	202,20	0.50	0.30
3206P 01 180	White	1x80W	1480	236,80	0.50	0.30
3206P 02 180	Black	1x80W	1480	242,40	0.50	0.30
3206P 52 180	Matt chrome	1x80W	1480	242,40	0.50	0.30
3206P 90 180	Titanium	1x80W	1480	242,40	0.50	0.30

Includes electronic ballast, opal diffuser and 1 T5 lamp 84

Ref.	Colour	W	Measures	€	RAEE lum. lamp	
3206Q 01 114	White	1x14W	580	158,57	0.50	0.30
3206Q 02 114	Black	1x14W	580	164,02	0.50	0.30
3206Q 52 114	Matt chrome	1x14W	580	164,02	0.50	0.30
3206Q 90 114	Titanium	1x14W	580	164,02	0.50	0.30
3206Q 01 121	White	1x21W	880	166,44	0.50	0.30
3206Q 02 121	Black	1x21W	880	170,18	0.50	0.30
3206Q 52 121	Matt chrome	1x21W	880	170,18	0.50	0.30
3206Q 90 121	Titanium	1x21W	880	170,18	0.50	0.30
3206Q 01 124	White	1x24W	580	161,49	0.50	0.30
3206Q 02 124	Black	1x24W	580	166,04	0.50	0.30
3206Q 52 124	Matt chrome	1x24W	580	166,04	0.50	0.30
3206Q 90 124	Titanium	1x24W	580	166,04	0.50	0.30
3206Q 01 128	White	1x28W	1180	200,14	0.50	0.30
3206Q 02 128	Black	1x28W	1180	204,22	0.50	0.30
3206Q 52 128	Matt chrome	1x28W	1180	204,22	0.50	0.30
3206Q 90 128	Titanium	1x28W	1180	204,22	0.50	0.30
3206Q 01 135	White	1x35W	1480	229,87	0.50	0.30
3206Q 02 135	Black	1x35W	1480	233,61	0.50	0.30
3206Q 52 135	Matt chrome	1x35W	1480	233,61	0.50	0.30
3206Q 90 135	Titanium	1x35W	1480	233,61	0.50	0.30
3206Q 01 139	White	1x39W	880	170,48	0.50	0.30
3206Q 02 139	Black	1x39W	880	172,91	0.50	0.30
3206Q 52 139	Matt chrome	1x39W	880	172,91	0.50	0.30
3206Q 90 139	Titanium	1x39W	880	172,91	0.50	0.30
3206Q 01 149	White	1x49W	1480	229,87	0.50	0.30
3206Q 02 149	Black	1x49W	1480	233,61	0.50	0.30
3206Q 52 149	Matt chrome	1x49W	1480	233,61	0.50	0.30
3206Q 90 149	Titanium	1x49W	1480	233,61	0.50	0.30
3206Q 01 154	White	1x54W	1180	200,14	0.50	0.30
3206Q 02 154	Black	1x54W	1180	204,22	0.50	0.30
3206Q 52 154	Matt chrome	1x54W	1180	204,22	0.50	0.30
3206Q 90 154	Titanium	1x54W	1180	204,22	0.50	0.30
3206Q 01 180	White	1x80W	1480	239,16	0.50	0.30
3206Q 02 180	Black	1x80W	1480	244,82	0.50	0.30
3206Q 52 180	Matt chrome	1x80W	1480	244,82	0.50	0.30
3206Q 90 180	Titanium	1x80W	1480	244,82	0.50	0.30



Futur surface. 2 T5 lamp

Includes electronic ballast, parabolic diffuser and 2 T5 lamps 84

Ref.	Colour	W	Measures	€	RAEE lum. lamp
3206 01 214	White	2x14W	580	202,10	0.50 0.60
3206 02 214	Black	2x14W	580	206,90	0.50 0.60
3206 52 214	Matt chrome	2x14W	580	206,90	0.50 0.60
3206 90 214	Titanium	2x14W	580	206,90	0.50 0.60
3206 01 221	White	2x21W	880	209,20	0.50 0.60
3206 02 221	Black	2x21W	880	214,30	0.50 0.60
3206 52 221	Matt chrome	2x21W	880	214,30	0.50 0.60
3206 90 221	Titanium	2x21W	880	214,30	0.50 0.60
3206 01 224	White	2x24W	580	204,90	0.50 0.60
3206 02 224	Black	2x24W	580	209,70	0.50 0.60
3206 52 224	Matt chrome	2x24W	580	209,70	0.50 0.60
3206 90 224	Titanium	2x24W	580	209,70	0.50 0.60
3206 01 228	White	2x28W	1180	243,70	0.50 0.60
3206 02 228	Black	2x28W	1180	248,80	0.50 0.60
3206 52 228	Matt chrome	2x28W	1180	248,80	0.50 0.60
3206 90 228	Titanium	2x28W	1180	248,80	0.50 0.60
3206 01 235	White	2x35W	1480	273,70	0.50 0.60
3206 02 235	Black	2x35W	1480	280,50	0.50 0.60
3206 52 235	Matt chrome	2x35W	1480	280,50	0.50 0.60
3206 90 235	Titanium	2x35W	1480	280,50	0.50 0.60
3206 01 239	White	2x39W	880	210,25	0.50 0.60
3206 02 239	Black	2x39W	880	215,35	0.50 0.60
3206 52 239	Matt chrome	2x39W	880	215,35	0.50 0.60
3206 90 239	Titanium	2x39W	880	215,35	0.50 0.60
3206 01 249	White	2x49W	1480	273,70	0.50 0.60
3206 02 249	Black	2x49W	1480	280,50	0.50 0.60
3206 52 249	Matt chrome	2x49W	1480	280,50	0.50 0.60
3206 90 249	Titanium	2x49W	1480	280,50	0.50 0.60
3206 01 254	White	2x54W	1180	243,70	0.50 0.60
3206 02 254	Black	2x54W	1180	248,80	0.50 0.60
3206 52 254	Matt chrome	2x54W	1180	248,80	0.50 0.60
3206 90 254	Titanium	2x54W	1180	248,80	0.50 0.60
3206 01 280	White	2x80W	1480	289,40	0.50 0.60
3206 02 280	Black	2x80W	1480	296,20	0.50 0.60
3206 52 280	Matt chrome	2x80W	1480	296,20	0.50 0.60
3206 90 280	Titanium	2x80W	1480	296,20	0.50 0.60



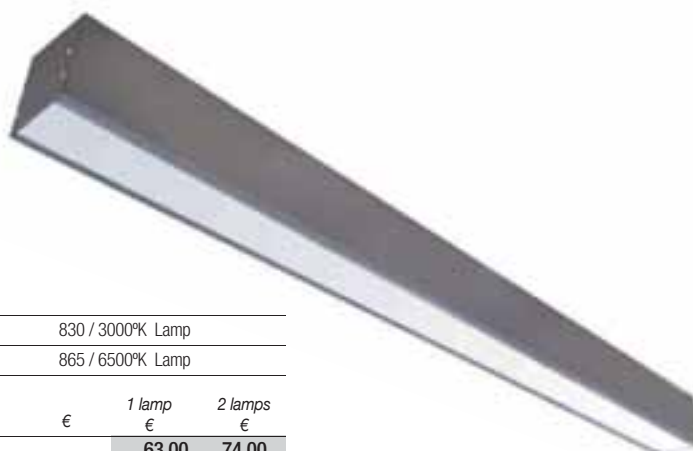
Futur surface. 2 T5 lamp

Includes electronic ballast, prismatic diffuser and 2 T5 lamps 84

Ref.	Colour	W	Measures	€	RAEE lum.	RAEE lamp
3206P 01 214	White	2x14W	580	167,10	0.50	0.60
3206P 02 214	Black	2x14W	580	171,90	0.50	0.60
3206P 52 214	Matt chrome	2x14W	580	171,90	0.50	0.60
3206P 90 214	Titanium	2x14W	580	171,90	0.50	0.60
3206P 01 221	White	2x21W	880	174,20	0.50	0.60
3206P 02 221	Black	2x21W	880	179,30	0.50	0.60
3206P 52 221	Matt chrome	2x21W	880	179,30	0.50	0.60
3206P 90 221	Titanium	2x21W	880	179,30	0.50	0.60
3206P 01 224	White	2x24W	580	169,90	0.50	0.60
3206P 02 224	Black	2x24W	580	174,70	0.50	0.60
3206P 52 224	Matt chrome	2x24W	580	174,70	0.50	0.60
3206P 90 224	Titanium	2x24W	580	174,70	0.50	0.60
3206P 01 228	White	2x28W	1180	208,70	0.50	0.60
3206P 02 228	Black	2x28W	1180	213,80	0.50	0.60
3206P 52 228	Matt chrome	2x28W	1180	213,80	0.50	0.60
3206P 90 228	Titanium	2x28W	1180	213,80	0.50	0.60
3206P 01 235	White	2x35W	1480	238,70	0.50	0.60
3206P 02 235	Black	2x35W	1480	245,50	0.50	0.60
3206P 52 235	Matt chrome	2x35W	1480	245,50	0.50	0.60
3206P 90 235	Titanium	2x35W	1480	245,50	0.50	0.60
3206P 01 239	White	2x39W	880	175,25	0.50	0.60
3206P 02 239	Black	2x39W	880	180,35	0.50	0.60
3206P 52 239	Matt chrome	2x39W	880	180,35	0.50	0.60
3206P 90 239	Titanium	2x39W	880	180,35	0.50	0.60
3206P 01 249	White	2x49W	1480	238,70	0.50	0.60
3206P 02 249	Black	2x49W	1480	245,50	0.50	0.60
3206P 52 249	Matt chrome	2x49W	1480	245,50	0.50	0.60
3206P 90 249	Titanium	2x49W	1480	245,50	0.50	0.60
3206P 01 254	White	2x54W	1180	208,70	0.50	0.60
3206P 02 254	Black	2x54W	1180	213,80	0.50	0.60
3206P 52 254	Matt chrome	2x54W	1180	213,80	0.50	0.60
3206P 90 254	Titanium	2x54W	1180	213,80	0.50	0.60
3206P 01 280	White	2x80W	1480	254,40	0.50	0.60
3206P 02 280	Black	2x80W	1480	261,20	0.50	0.60
3206P 52 280	Matt chrome	2x80W	1480	261,20	0.50	0.60
3206P 90 280	Titanium	2x80W	1480	261,20	0.50	0.60

Includes electronic ballast, opal diffuser and 2 T5 lamps 84

Ref.	Colour	W	Measures	€	RAEE lum.	RAEE lamp
3206Q 01 214	White	2x14W	580	168,77	0.50	0.60
3206Q 02 214	Black	2x14W	580	176,61	0.50	0.60
3206Q 52 214	Matt chrome	2x14W	580	176,61	0.50	0.60
3206Q 90 214	Titanium	2x14W	580	176,61	0.50	0.60
3206Q 01 221	White	2x21W	880	175,94	0.50	0.60
3206Q 02 221	Black	2x21W	880	181,09	0.50	0.60
3206Q 52 221	Matt chrome	2x21W	880	181,09	0.50	0.60
3206Q 90 221	Titanium	2x21W	880	181,09	0.50	0.60
3206Q 01 224	White	2x24W	580	171,59	0.50	0.60
3206Q 02 224	Black	2x24W	580	176,44	0.50	0.60
3206Q 52 224	Matt chrome	2x24W	580	176,44	0.50	0.60
3206Q 90 224	Titanium	2x24W	580	176,44	0.50	0.60
3206Q 01 228	White	2x28W	1180	210,78	0.50	0.60
3206Q 02 228	Black	2x28W	1180	215,93	0.50	0.60
3206Q 52 228	Matt chrome	2x28W	1180	215,93	0.50	0.60
3206Q 90 228	Titanium	2x28W	1180	215,93	0.50	0.60
3206Q 01 235	White	2x35W	1480	241,08	0.50	0.60
3206Q 02 235	Black	2x35W	1480	247,95	0.50	0.60
3206Q 52 235	Matt chrome	2x35W	1480	247,95	0.50	0.60
3206Q 90 235	Titanium	2x35W	1480	247,95	0.50	0.60
3206Q 01 239	White	2x39W	880	177,00	0.50	0.60
3206Q 02 239	Black	2x39W	880	182,15	0.50	0.60
3206Q 52 239	Matt chrome	2x39W	880	182,15	0.50	0.60
3206Q 90 239	Titanium	2x39W	880	182,15	0.50	0.60
3206Q 01 249	White	2x49W	1480	241,08	0.50	0.60
3206Q 02 249	Black	2x49W	1480	247,95	0.50	0.60
3206Q 52 249	Matt chrome	2x49W	1480	247,95	0.50	0.60
3206Q 90 249	Titanium	2x49W	1480	247,95	0.50	0.60
3206Q 01 254	White	2x54W	1180	210,48	0.50	0.60
3206Q 02 254	Black	2x54W	1180	215,93	0.50	0.60
3206Q 52 254	Matt chrome	2x54W	1180	215,93	0.50	0.60
3206Q 90 254	Titanium	2x54W	1180	215,93	0.50	0.60
3206Q 01 280	White	2x80W	1480	256,94	0.50	0.60
3206Q 02 280	Black	2x80W	1480	263,81	0.50	0.60
3206Q 52 280	Matt chrome	2x80W	1480	263,81	0.50	0.60
3206Q 90 280	Titanium	2x80W	1480	263,81	0.50	0.60



OPTIONS

IRC / Colour temperature T5 lamp

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

	€	1 lamp €	2 lamps €
Rough increase of the control gear			
Ref. BR Dimmable ballast 1-10v		63.00	74.00
Ref. TD Dimmable ballast Touch and Dim		65.00	80.00
Ref. CF Lighting control system "master"		120.00	135.00
Ref. FP Lighting sensor control system "master"		270.00	270.00
Ref. KE Emergency kit	110.00		

	€
Rough increase of accessories	
Ref. SCBA/OV Suspension cable aluminium	6,29
Ref. 3097 Intermediate joint	12,00
Ref. WL Wieland connector	16,30

Example to write a reference with options

Futur prismatic 2x80w Control de flujo

Ref. 3206P 90 280 83 CF

Titanium 3000°K





Waterproof screen Berna. Lamps T8

Protection degree IP65 / IK 8

- Material:** Body made in polycarbonate.
- Optics:** Polycarbonate prismatic diffuser .
- Supply:** Control gear included in each model. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent T8 lamps, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included).
- Colours:** The body of the lamp is white. Translucent diffuser.

Includes electronic ballast.

Ref.	W	Measures	€	RAEE lum.
907 118 BE	1x18W	680 x 105	28.23	0.50
907 136 BE	1x36W	1280 x 105	35.20	0.50
907 158 BE	1x58W	1600 x 105	45.62	0.50
907 218 BE	2x18W	680 x 175	35.62	0.50
907 236 BE	2x36W	1280 x 175	50.14	0.50
907 258 BE	2x58W	1600 x 175	67.77	0.50

Includes electronic ballast and T8 lamps 840.

Ref.	W	Measures	€	lum. RAEE lamp
907 118 84 BE	1x18W	680 x 105	30.99	0.50 0.30
907 136 84 BE	1x36W	1280 x 105	38.29	0.50 0.30
907 158 84 BE	1x58W	1600 x 105	49.09	0.50 0.30
907 218 84 BE	2x18W	680 x 175	41.13	0.50 0.60
907 236 84 BE	2x36W	1280 x 175	56.31	0.50 0.60
907 258 84 BE	2x58W	1600 x 175	74.71	0.50 0.60

Includes driver and T8 lamps LED.

Ref.	W	Measures	€	lum. RAEE lamp
907 109 85	1x9W	680 x 105	102.63	0.50 0.20
907 115 85	1x15W	1280 x 105	148.80	0.50 0.20
907 119 85	1x19W	1600 x 105	201.42	0.50 0.20
907 209 85	2x9W	680 x 175	184.32	0.50 0.40
907 215 85	2x15W	1280 x 175	277.34	0.50 0.40
907 219 85	2x19W	1600 x 175	377.37	0.50 0.40

OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of control gear

	1 lamp	2 lamps
	€	€
Ref. BR Dimmable ballast 1-10v	68.80	80.00
Ref. TD Dimmable ballast Touch and Dim	69.60	85.00
Ref. CF Lighting control system "master"	120.00	130.00
Ref. FP Lighting sensor control system "master"	219.90	235.00
Ref. KE Emergency kit	110.00	

Rough increase of accessories

	€
Ref. CCC Metallic lock (units)	0.50
Ref. WL Wieland connector	16.30



Driver suitable to type of lamp and wattage included in each model.

T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.



LED OPTIONS

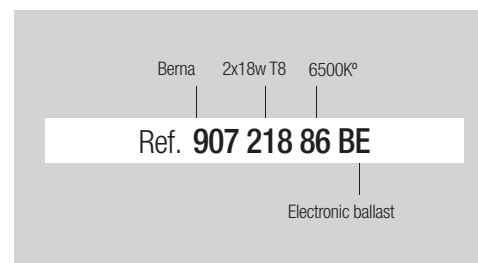
	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS

Rough price increase of driver

Ref. DR Dimmable driver 1-10v	2x9/15w € 79.90
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Example to write a reference with options



Waterproof screen Berna. Lamps T5

Protection degree IP65 / IK 8

- Material:** Body made in polycarbonate.
- Optics:** Polycarbonate prismatic diffuser .
- Supply:** Electronics ballasts in all the models for T5 are included. We can supply as an option with high factor equipment (Ref. AF), dimmable ballast (Ref.BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings (screw not included).
- Colours:** The body of the lamp is white. Translucent diffuser..



Includes electronic ballast.

Ref.	W	Measures	€	RAEE lum.
907 114	1x14W	680 x 105	55.51	0.50
907 124	1x24W	680 x 105	47.56	0.50
907 128	1x28W	1280 x 105	57.04	0.50
907 135	1x35W	1600 x 105	64.80	0.50
907 149	1x49W	1600 x 105	64.80	0.50
907 154	1x54W	1280 x 105	57.04	0.50
907 180	1x80W	1600 x 105	58.39	0.50
907 214	2x14W	680 x 105	56.36	0.50
907 224	2x24W	680 x 105	56.36	0.50
907 228	2x28W	1280 x 105	67.59	0.50
907 235	2x35W	1600 x 105	78.16	0.50
907 249	2x49W	1600 x 105	78.16	0.50
907 254	2x54W	1280 x 105	67.59	0.50
907 280	2x80W	1600 x 105	97.93	0.50

Includes electronic ballast and T5 lamps 840.

Ref.	W	Measures	€	RAEE lum.	RAEE lamp
907 114 84	1x14W	680 x 105	59.84	0.50	0.30
907 124 84	1x24W	680 x 105	51.89	0.50	0.30
907 128 84	1x28W	1280 x 105	61.36	0.50	0.30
907 135 84	1x35W	1600 x 105	69.13	0.50	0.30
907 149 84	1x49W	1600 x 105	69.13	0.50	0.30
907 154 84	1x54W	1280 x 105	61.36	0.50	0.30
907 180 84	1x80W	1600 x 105	73.01	0.50	0.30
907 214 84	2x14W	680 x 105	65.01	0.50	0.60
907 224 84	2x24W	680 x 105	65.01	0.50	0.60
907 228 84	2x28W	1280 x 105	76.25	0.50	0.60
907 235 84	2x35W	1600 x 105	89.81	0.50	0.60
907 249 84	2x49W	1600 x 105	89.81	0.50	0.60
907 254 84	2x54W	1280 x 105	76.25	0.50	0.60
907 280 84	2x80W	1600 x 105	106.99	0.50	0.60

OPTIONS

IRC / Colour temperature

Ref. **83** 830 / 3000°K Lamp

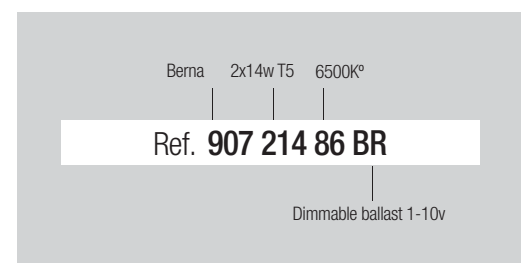
Ref. **86** 865 / 6500°K Lamp

		1 lamp	2 lamps
	€	€	€
Ref. BR	Dimmable ballast 1-10v	63.00	74.00
Ref. TD	Dimmable ballast Touch and Dim	65.00	80.00
Ref. CF	Lighting control system "master"	120.00	135.00
Ref. FP	Lighting sensor control system "master"	270.00	270.00
Ref. KE	Emergency kit	110.00	

Rough increase of accessories

	€	
Ref. CCC	Metallic lock (units)	0.50
Ref. WL	Wieland connector	16.30

Example to write a reference with options



Pla

Protection degree IP20 / IP43

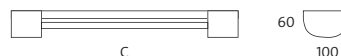
- Material:** Extruded aluminium structure, tubular shaped, thermo painted.
- Optics:** Brightness aluminium reflector, included. Diffuser with a grid (Ref. R) or opal plastic diffuser (Ref. P).
- Supply:** Ballasts adapted to the type of lamp and to the power needed are included. It includes high factor.
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceilings or hang up with a suspension kit.
- Colours:** White.

* It can be supplied in different colours with one increase of 15% on the price of the white version.



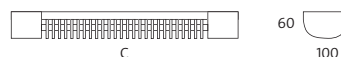
Includes control gear (AF) and lamps 840 (without diffuser)

Ref.	W	Measures	€	RAEE lum. lamp	
PLA 118 84	1x18W	900	105,16	0.25	0.30
PLA 136 84	1x36W	1500	128,54	0.25	0.30
PLA 158 84	1x58W	1900	155,06	0.25	0.30
PLA 218 84	2x18W	900	133,90	0.25	0.60
PLA 236 84	2x36W	1500	158,10	0.25	0.60
PLA 258 84	2x58W	1900	191,58	0.25	0.60



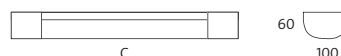
Includes control gear (AF), diffuser with a grid, 84 lamps

Ref.	W	Measures	€	RAEE lum. Lamp	
PLAR 118 84	1x18W	900	117,83	0.25	0.30
PLAR 136 84	1x36W	1500	154,50	0.25	0.30
PLAR 158 84	1x58W	1900	188,69	0.25	0.30
PLAR 218 84	2x18W	900	146,67	0.25	0.60
PLAR 236 84	2x36W	1500	184,06	0.25	0.60
PLAR 258 84	2x58W	1900	224,54	0.25	0.60



Includes control gear (AF), Opal diffuser (IP43) and lamps 840

Ref.	W	Measures	€	RAEE lum. lamp	
PLAP 118 84	1x18W	900	117,42	0.25	0.30
PLAP 136 84	1x36W	1500	153,47	0.25	0.30
PLAP 158 84	1x58W	1900	187,76	0.25	0.30
PLAP 218 84	2x18W	900	145,53	0.25	0.60
PLAP 236 84	2x36W	1500	182,31	0.25	0.60
PLAP 258 84	2x58W	1900	223,71	0.25	0.60



OPTIONS

IRC / Colour temperature		
Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

OPCION LAMPS T8 LED

Componentes Osram Golden Dragon Plus

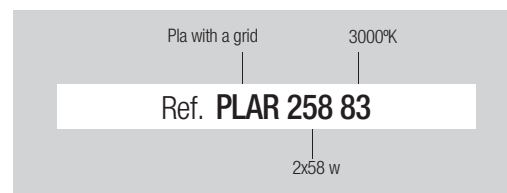
Rough increase of LED lamp	N° LEDs	W	Replaceable by	Colour T.	€ (lamp.)
Ref. 3162 09	8 LEDs	9w	18w	5400°K	87,50
Ref. 3162 15	13 LEDs	15w	36w	5400°K	122,30
Ref. 3162 20	17 LEDs	20w	58w	5400°K	160,90

Driver suitable to type of lamp and wattage included in each model.
T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.

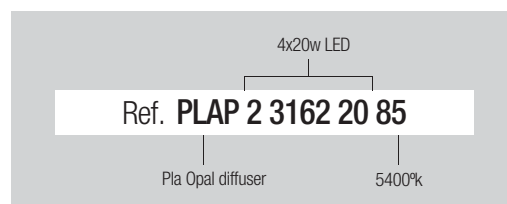


LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options



Example to write a reference with options LEDS



Luminary with prismatic diffuser

Protection degree IP45

- Material:** Steel sheet thermo painted.
Optics: Prismatic diffuser in polycarbonate.
Supply: Control gears are included in all the models.
Lamps: Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
Installation: Directly screw on ceiling (screw not included).
Colours: White body and translucent diffuser.

Includes control gear.

Ref.	W	Measures>	A	B	C	€	RAEE lum.
905 118	1x18W		90	90	655	21,42	0.25
905 136	1x36W		90	90	1.265	26,91	0.25
905 158	1x58W		90	90	1.565	35,07	0.25
905 218	2x18W		90	180	650	25,07	0.25
905 236	2x36W		90	180	1.250	39,07	0.25
905 258	2x58W		90	180	1.560	53,46	0.25

Includes control gear and T8 lamps 840.

Ref.	W	Measures>	A	B	C	€	RAEE lum.	RAEE lamp
905 118 84	1x18W		90	90	655	24,27	0.25	0.30
905 136 84	1x36W		90	90	1.265	30,11	0.25	0.30
905 158 84	1x58W		90	90	1.565	38,67	0.25	0.30
905 218 84	2x18W		90	180	650	30,79	0.25	0.60
905 236 84	2x36W		90	180	1.250	45,48	0.25	0.60
905 258 84	2x58W		90	180	1.560	60,67	0.25	0.60

Includes driver and T8 lamps LED.

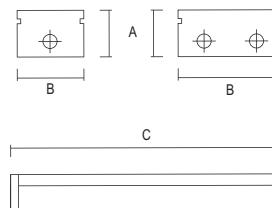
Ref.	W	Measures>	A	B	C	€	RAEE lum.	RAEE lamp
905 109 84	1x9W		90	90	655	95,82	0.25	0.20
905 115 84	1x15W		90	90	1.265	140,51	0.25	0.20
905 119 84	1x19W		90	90	1.565	189,87	0.25	0.20
905 209 84	2x9W		90	180	650	173,87	0.25	0.40
905 215 84	2x15W		90	180	1.250	266,27	0.25	0.40
905 219 84	2x19W		90	180	1.560	363,06	0.25	0.40

Driver suitable to type of lamp and wattage included in each model.
 T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS	2x9/15w
Rough price increase of driver	€
Ref. DR Dimmable driver 1-10v	79.90



OPTIONS

IRC / Colour temperature

Ref. 83 830 / 3000°K Lamp

Ref. 86 865 / 6500°K Lamp

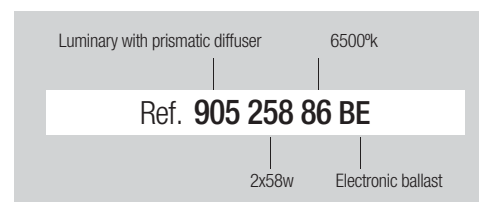
Rough increase of the control gear

	€	1x18/36/58w	2x18/36/58w
Ref. AF High factor	2.90	€	€
Ref. BE Electronic ballast		19.90	28.00
Ref. BR Dimmable ballast 1-10v		68.00	80.00
Ref. TD Dimmable ballast Touch and Dim		69.60	85.00
Ref. KE Emergency kit	110.00		

Rough increase of accessories

	€
Ref. WL Wieland connector	16.30

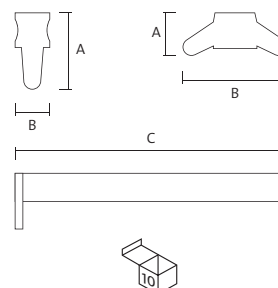
Example to write a reference with options



Industrial strip T8 lamp

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Supply:** Control gear included in all the models. We can supply as an option with high factor equipments (Ref. AF), electronic ballast (Ref. BE), dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent T8 tubes, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White.



Includes control gear.

Ref.	W	Measures>	A	B	C	€	RAEE lum.
904 118	1x18W		87	50	615	16,50	0.25
904 136	1x36W		87	50	1.225	18,95	0.25
904 158	1x58W		87	50	1.525	25,54	0.25
904 218	2x18W		51	120	615	21,32	0.25
904 236	2x36W		51	120	1.225	30,22	0.25
904 258	2x58W		51	120	1.525	43,45	0.25

Includes control gear and T8 lamps 840.

Ref.	W	Measures>	A	B	C	€	RAEE lum.	lamp
904 118 84	1x18W		87	50	615	19,07	0.25	0.30
904 136 84	1x36W		87	50	1.225	21,52	0.25	0.30
904 158 84	1x58W		87	50	1.525	28,11	0.25	0.30
904 218 84	2x18W		51	120	615	26,47	0.25	0.60
904 236 84	2x36W		51	120	1.225	35,37	0.25	0.60
904 258 84	2x58W		51	120	1.525	48,60	0.25	0.60

Includes driver and T8 lamps LED.

Ref.	W	Measures>	A	B	C	€	RAEE lum.	lamp
904 109 84	1x9W		87	50	615	90,90	0.25	0.30
904 115 84	1x15W		87	50	1.225	132,55	0.25	0.30
904 119 84	1x19W		87	50	1.525	180,34	0.25	0.30
904 209 84	2x9W		51	120	615	170,12	0.25	0.60
904 215 84	2x15W		51	120	1.225	257,42	0.25	0.60
904 219 84	2x19W		51	120	1.525	323,05	0.25	0.60

Driver suitable to type of lamp and wattage included in each model.
T8 leds lamps are not compatible with lighting control DALI system (ACTILUME). Accept an emergency kit.



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS	2x9/15w
Rough price increase of driver	€
Ref. DR Dimmable driver 1-10v	79.90

OPTIONS

Rough increase of asymmetric and symmetric reflectors

Ref.	W	Type	Long	€
3098 118	1x18W	Asymmetric	615	17,80
3098 136	1x36W	Asymmetric	1.225	19,90
3098 158	1x58W	Asymmetric	1.525	21,40
3098 218	2x18W	Asymmetric	615	17,80
3098 236	2x36W	Asymmetric	1.225	19,90
3098 258	2x58W	Asymmetric	1.525	21,40
3099 118	1x18W	Symmetric	615	35,60
3099 136	1x36W	Symmetric	1.225	39,80
3099 158	1x58W	Symmetric	1.525	42,80
3099 218	2x18W	Symmetric	615	35,60
3099 236	2x36W	Symmetric	1.225	39,80
3099 258	2x58W	Symmetric	1.525	42,80

OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of the control gear

Ref.	Control gear	€	1x18/36/58w	2x18/36/58w
Ref. AF	High factor	2.90	€	€
Ref. BE	Electronic ballast		19.90	28.00
Ref. BR	Dimmable ballast 1-10v		68.00	80.00
Ref. TD	Dimmable ballast Touch and Dim		69.60	85.00
Ref. CF	Lighting control system "master"		120.00	130.00
Ref. FP	Lighting sensor control system "master"		219.00	235.00

Rough increase of accessories

Ref.	Accessory	€
Ref. WL	Wieland connector	16.30

Example to write a reference with options LEDs

Industrial strip | 2x9w LEDs

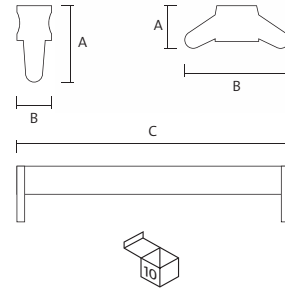
Ref. 904 2LED09W

Industrial strip T8 / T5

Industrial strip T5 lamp

Protection degree IP20

- Material:** Steel sheet thermo painted.
- Supply:** Electronics ballasts in all the models for T5 are included. We can supply as an option with dimmable ballast 1-10v (Ref. BR), dimmable ballast Touch & Dim (Ref. TD), lighting control system (Ref. CF), lighting sensor control system (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Directly screw on ceiling (screw not included).
- Colours:** White.



Includes electronic ballast.

Ref.	W	Measures>	A	B	C	€	RAEE lum.
903 114	1x14W		60	35	560	49,14	0.25
903 121	1x21W		60	35	880	52,23	0.25
903 124	1x24W		60	35	560	50,03	0.25
903 128	1x28W		60	35	1180	54,38	0.25
903 135	1x35W		60	35	1480	56,60	0.25
903 139	1x39W		60	35	880	53,02	0.25
903 149	1x49W		60	35	1480	56,92	0.25
903 154	1x54W		60	35	1180	54,81	0.25
903 180	1x80W		60	35	1480	62,58	0.25
903 214	2x14W		70	45	560	52,28	0.25
903 221	2x21W		70	45	880	62,73	0.25
903 224	2x24W		70	45	560	60,34	0.25
903 228	2x28W		70	45	1180	64,52	0.25
903 235	2x35W		70	45	1480	66,62	0.25
903 239	2x39W		70	45	880	63,33	0.25
903 249	2x49W		70	45	1480	67,21	0.25
903 254	2x54W		70	45	1180	65,72	0.25
903 280	2x80W		70	45	1480	93,20	0.25

Includes electronic ballast and T5 lamps 840.

Ref.	W	Measures>	A	B	C	€	RAEE lum. lamp
903 114 84	1x14W		60	35	560	53,46	0.25 0.30
903 121 84	1x21W		60	35	880	56,45	0.25 0.30
903 124 84	1x24W		60	35	560	54,36	0.25 0.30
903 128 84	1x28W		60	35	1180	58,84	0.25 0.30
903 135 84	1x35W		60	35	1480	60,93	0.25 0.30
903 139 84	1x39W		60	35	880	57,35	0.25 0.30
903 149 84	1x49W		60	35	1480	61,53	0.25 0.30
903 154 84	1x54W		60	35	1180	59,14	0.25 0.30
903 180 84	1x80W		60	35	1480	66,90	0.25 0.30
903 214 84	2x14W		70	45	560	60,93	0.25 0.60
903 221 84	2x21W		70	45	880	71,38	0.25 0.60
903 224 84	2x24W		70	45	560	68,99	0.25 0.60
903 228 84	2x28W		70	45	1180	73,18	0.25 0.60
903 235 84	2x35W		70	45	1480	75,27	0.25 0.60
903 239 84	2x39W		70	45	880	71,98	0.25 0.60
903 249 84	2x49W		70	45	1480	75,86	0.25 0.60
903 254 84	2x54W		70	45	1180	74,34	0.25 0.60
903 280 84	2x80W		70	45	1480	101,85	0.25 0.60

OPTIONS

Rough increase of asymmetric and symmetric reflectors

Ref.	W	Type	Long	€
3100 114	1x14/24W	Asymmetric	560	15,90
3100 121	1x21/39W	Asymmetric	880	17,80
3100 128	1x28/54W	Asymmetric	1180	18,90
3100 135	1x35/49/80W	Asymmetric	1480	19,90
3100 214	2x14/24W	Asymmetric	560	15,90
3100 221	2x21/39W	Asymmetric	880	17,80
3100 228	2x28/54W	Asymmetric	1180	18,90
3100 235	2x35/49/80W	Asymmetric	1480	19,90
3101 114	1x14/24W	Symmetric	560	31,80
3101 121	1x21/39W	Symmetric	880	35,60
3101 128	1x28/54W	Symmetric	1180	37,80
3101 135	1x35/49/80W	Symmetric	1480	39,80
3101 214	2x14/24W	Symmetric	560	31,80
3101 221	2x21/39W	Symmetric	880	35,60
3101 228	2x28/54W	Symmetric	1180	37,80
3101 235	2x35/49/80W	Symmetric	1480	39,80

OPTIONS

IRC / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

	1 lamp	2 lamps
	€	€
Ref. BR	Dimmable ballast 1-10v	63.00 74.00
Ref. TD	Dimmable ballast Touch and Dim	65.00 80.00
Ref. CF	Lighting control system "master"	120.00 135.00
Ref. FP	Lighting sensor control system "master"	270.90 270.00

Rough increase of accessories

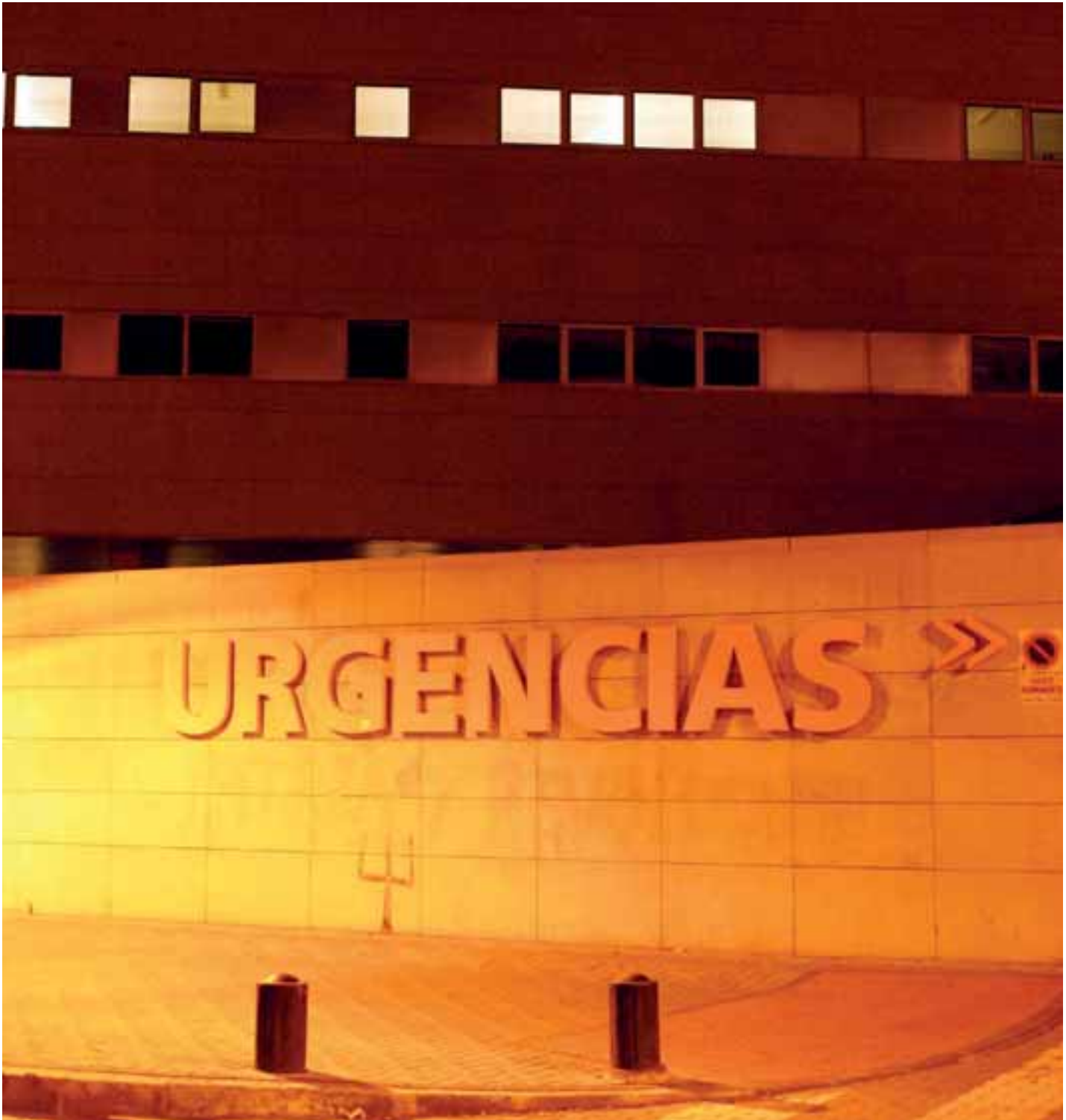
Ref. WL	Wieland connector	16.30
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Example to write a reference with options

Berna 2x14w T5 6500K°

Ref. **903 214 86 BR**

Dimmable ballast 1-10v



Fluorescence hospitals and clinics



Combirtus

365



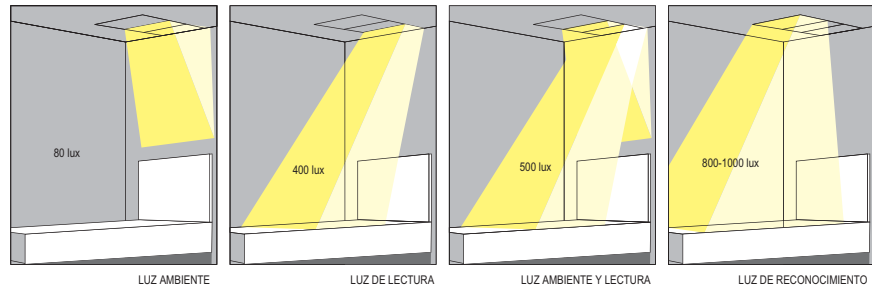
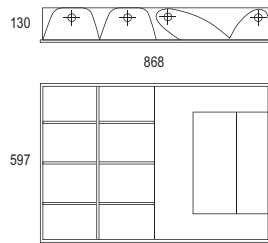
Clital

366

Combirtus

Protection degree IP20

- Material:** Bodies made in thermo-painted steel sheet.
- Optics:** Three asymmetric high-performance reflector made of semi-matt aluminum for different purposes.
- Supply:** Electronic ballasts included for the 36W and 55W fittings. Can be supplied optionally with dimmable electronic ballast 1-10v (Ref. BR), dimmable electronic ballast touch and dim (Ref. TD) flow control light (Ref. CF), lighting sensor control system Master (Ref. FP) and emergency kit (Ref. KE).
- Lamps:** Compact fluorescent lamps PL-L, supplied with 840 standard, 4000°K, optionally with 820/830/865 (2700, 3000 and 6500°K).
- Installation:** Recessable in modular ceilings Armstrong, polyvalent type, metal ceilings and plaster ceilings.
- Accessories:** In the case of polyvalent type, metallic or plaster, a kit of fasteners set (Ref. 1214). A safety tensor SCB for recessed ceiling panels (Ref. 1215) can also be supplied.
- Colours:** Standard supplied colour is white. Optionally it can be also supplied in matt chrome (Ref. 52) and titanium (Ref. 90).



Includes electronic ballast and 4 PL-L lamps and clutches.

Ref.	Colour	Lamp	W(Environment)	W (Reading)	W(Recognition)	€	RAEE lum.	lamp.
3136 01 3655	White	PL-L	1x36w	1x36w	2x55w	225,46	0.50	0.60

OPTIONS

IRC / Colour temperature

Ref. 82	820 Lamp	2700°K
Ref. 83	830 Lamp	3000°K
Ref. 86	865 Lamp	6500°K

Rough price increase of the finished frame

Ref.	Description	€
Ref. 52	Lacquered screen MATT CHROME	18.00
Ref. 90	Lacquered screen TITANIUM	18.00

Rough increase of the control gear

Ref.	Description	€	€	€
Ref. BR	Dimmable ballast 1-10v	63.55	68.80	68.80
Ref. TD	Dimmable ballast Touch and Dim	63.65	69.90	69.90
Ref. CF	Lighting control system "master"	104.00	111.20	111.20
Ref. FP	Lighting sensor control system "master"	213.00	219.90	219.90
Ref. KE	Emergency kit	110.00		

Rough increase of accessories

Ref.	Description	€
Ref. 1215	SCB safety cable	5.34
Ref. 1214	4 clutches set	2.30
Ref. WL	Wieland connector	16.30

Accessories

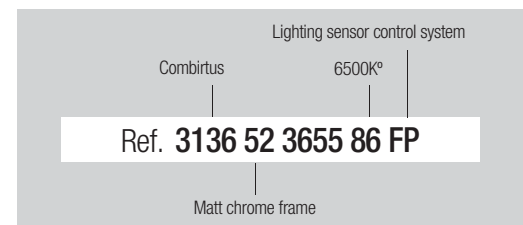


Ref. 1215
SCB safety cable for screen.
Standard version 1 metre length.



Ref. 1214
4 clutches set.

Example to write a reference with options



Clital

Protection degree IP65

- Material:** Thermo-painted extruded aluminum with polycarbonate diffusers.
- Descripción:** Two IP65 watertight zones, one for installation of medical gas tubing (oxygen, compressed air, vacuum, etc) and one for electrical components (sockets, switches, buttons, controllers, etc.), communications and data (nurse call/emergency, diagnostic data, telephone and telecommunications). Two other areas for lighting: indirect light with no glare for the room space (by fluorescent or LED light sources) and lighting for reading and medical examination with high-bright reflector.
- Supply:** Electronic equipment or driver for LED included.
- Lamps:** Philips TL5 fluorescent lamps 14, 24, 28, 35, 39, 49 and 54W. Supplied with 840 lamp, 4000°K standard, optionally with 830/865 (3000 and 6500°K). Osram Dragon-X LED lamps with 6,9 or 18 LEDs (7.2, 10.8 and 21.6W) for the indirect lighting option.
- Installation:** Easy installation, just to the wall with out-of-sight bolts (not supplied).
- Colours:** White and matt chrome.
- Options:** Optionally supplied with different lengths, colors and materials (check with our sales team).



Clital T5 length 1m

Includes electronic ballast and lamps T5.

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1Reading)	W(2 General)	€	RAEE lum. lamp.	
3130 01 1414	White	T5	G5	T5	G5	1x14w	1x14w	447,97	0.50	0.60
3130 52 1414	Matt chrome	T5	G5	T5	G5	1x14w	1x14w	471,86	0.50	0.60
3130 01 1424	White	T5	G5	T5	G5	1x14w	1x24w	456,57	0.50	0.60
3130 52 1424	Matt chrome	T5	G5	T5	G5	1x14w	1x24w	480,48	0.50	0.60
3130 01 1439	White	T5	G5	T5	G5	1x14w	1x39w	462,61	0.50	0.60
3130 52 1439	Matt chrome	T5	G5	T5	G5	1x14w	1x39w	486,50	0.50	0.60
3130 01 2414	White	T5	G5	T5	G5	1x24w	1x14w	471,86	0.50	0.60
3130 52 2414	Matt chrome	T5	G5	T5	G5	1x24w	1x14w	456,57	0.50	0.60
3130 01 2424	White	T5	G5	T5	G5	1x24w	1x24w	472,72	0.50	0.60
3130 52 2424	Matt chrome	T5	G5	T5	G5	1x24w	1x24w	496,62	0.50	0.60
3130 01 2439	White	T5	G5	T5	G5	1x24w	1x39w	473,69	0.50	0.60
3130 52 2439	Matt chrome	T5	G5	T5	G5	1x24w	1x39w	497,59	0.50	0.60

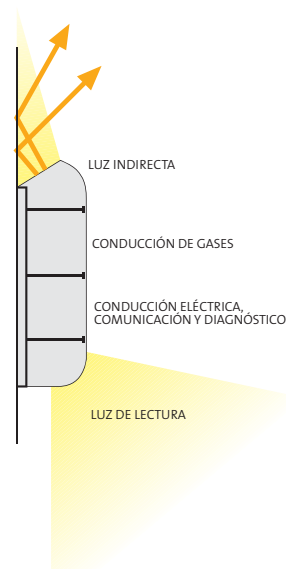
* The T5 lamp is supplied in a standard manner with 4200° K lamp

Includes electronic ballast and lamps T5, driver and 6 LED lamps de 1,2w

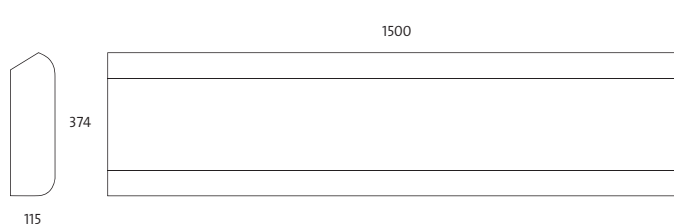
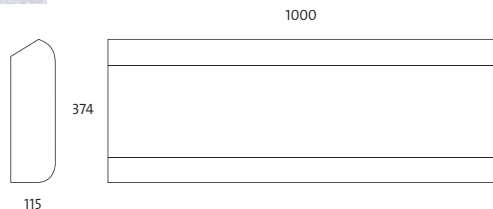
Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1Reading)	W(2 General)	€	RAEE lum. lamp.	
3133 01 1407	White	T5	G5	LED	-	1x14w	6x1,2w	527,83	0.50	0.60
3133 52 1407	Matt chrome	T5	G5	LED	-	1x14w	6x1,2w	551,73	0.50	0.60
3133 01 2407	White	T5	G5	LED	-	1x24w	6x1,2w	549,14	0.50	0.60
3133 52 2407	Matt chrome	T5	G5	LED	-	1x24w	6x1,2w	572,93	0.50	0.60

* The T5 lamp is supplied in a standard manner with 4200° K lamp

* The LED lamp is supplied in a standard manner with 6500° K lamp



LED





Clital Optionally supplied with different lengths, colors and materials (check with our sales team)



Clital T5 length 1.5 m

Includes electronic ballast and lamps T5.

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1Reading)	W(2 General)	€	RAEE lum. lamp.	
3131 01 1428	White	T5	G5	T5	G5	1x14w	1x28w	568,41	0.50	0.60
3131 52 1428	Matt chrome	T5	G5	T5	G5	1x14w	1x28w	604,25	0.50	0.60
3131 01 1454	White	T5	G5	T5	G5	1x14w	1x54w	568,63	0.50	0.60
3131 52 1454	Matt chrome	T5	G5	T5	G5	1x14w	1x54w	605,12	0.50	0.60
3131 01 2428	White	T5	G5	T5	G5	1x24w	1x28w	580,14	0.50	0.60
3131 52 2428	Matt chrome	T5	G5	T5	G5	1x24w	1x28w	615,98	0.50	0.60
3131 01 2454	White	T5	G5	T5	G5	1x24w	1x54w	605,22	0.50	0.60
3131 52 2454	Matt chrome	T5	G5	T5	G5	1x24w	1x54w	616,09	0.50	0.60

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Includes electronic ballast and lamps T5, driver and 9 LED lamps de 1,2w

Ref.	Colour	Lamp(1)	L/H(1)	Lamp(2)	L/H(2)	W(1Reading)	W(2 General)	€	RAEE lum. lamp.	
3134 01 1410	White	T5	G5	LED	-	1x14w	9x1,2w	667,44	0.50	0.60
3134 52 1410	Matt chrome	T5	G5	LED	-	1x14w	9x1,2w	703,71	0.50	0.60
3134 01 2410	White	T5	G5	LED	-	1x24w	9x1,2w	678,95	0.50	0.60
3134 52 2410	Matt chrome	T5	G5	LED	-	1x24w	9x1,2w	714,90	0.50	0.60

* The T5 lamp is supplied in a standard manner with 4200° K lamp

* The LED lamp is supplied in a standard manner with 6500° K lamp



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS LAMPARAS T5	Ref. 83	Ref. 86
IRC / Colour temperature	830 / 3000°K Lamp	865 / 6500°K Lamp

Rough increase of equipo	€
Ref. BR Dimmable ballast 1-10v	74,00
Ref. TD Dimmable ballast Touch and Dim	80,00

Example to write a reference with options

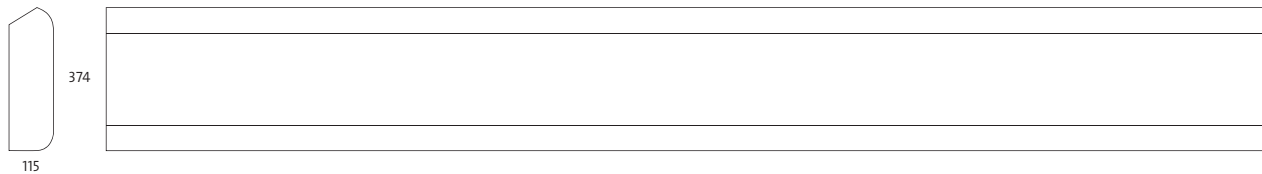
Clital 1,5 m 24w(1) 3300°K(1)

Ref. 3131 52 2454 83 86

Matt chrome 52w(2) 6500°K(2)



3000



Clital T5 length 3 m

Includes electronic ballast and lamps T5.

Ref.	Colour	Lamp(1) L/H(1)	Lamp(2) L/H(2)	W(1Reading)	W(2 General)	€	RAEE lum. lamp.	
3132 01 1435	White	T5 G5	T5 G5	2x14w	1x35w	871,94	0.50	0.60
3132 52 1435	Matt chrome	T5 G5	T5 G5	2x14w	1x35w	920,49	0.50	0.60
3132 01 1449	White	T5 G5	T5 G5	2x14w	1x49w	874,20	0.50	0.60
3132 52 1449	Matt chrome	T5 G5	T5 G5	2x14w	1x49w	922,85	0.50	0.60
3132 01 2435	White	T5 G5	T5 G5	2x24w	1x35w	876,57	0.50	0.60
3132 52 2435	Matt chrome	T5 G5	T5 G5	2x24w	1x35w	924,79	0.50	0.60
3132 01 2449	White	T5 G5	T5 G5	2x24w	1x49w	878,51	0.50	0.60
3132 52 2449	Matt chrome	T5 G5	T5 G5	2x24w	1x49w	925,76	0.50	0.60

* The T5 lamp is supplied in a standard manner with 4200° K lamp

Includes electronic ballast and lamps T5, driver and 18 LED lamps de 1,2w

Ref.	Colour	Lamp(1) L/H(1)	Lamp(2) L/H(2)	W(1Reading)	W(2 General)	€	RAEE lum. lamp.	
3135 01 1421	White	T5 G5	LED -	2x14w	18x1,2w	1054,92	0.50	0.60
3135 52 1421	Matt chrome	T5 G5	LED -	2x14w	18x1,2w	1103,47	0.50	0.60
3135 01 2421	White	T5 G5	LED -	2x24w	18x1,2w	1061,38	0.50	0.60
3135 52 2421	Matt chrome	T5 G5	LED -	2x24w	18x1,2w	1109,92	0.50	0.60

* The T5 lamp is supplied in a standard manner with 4200° K lamp

* The LED lamp is supplied in a standard manner with 6500° K lamp



LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS LAMPARAS T5

IRC / Colour temperature	
Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough increase of equipo	€
Ref. BR Dimmable ballast 1-10v	74,00
Ref. TD Dimmable ballast Touch and Dim	80,00

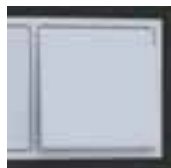
Example to write a reference with options

Clital 3m LED 2x24w(1) R 1-10v 3300°K(1)

Ref. 3135 01 2421 BR 83 85

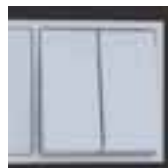
White LEDx18 6500°K(LED)

Accessories



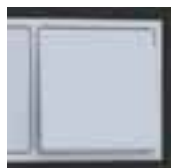
Unipolar switch

Ref.	Colour	€
3110 01	White	19,77
3110 52	Matt chrome	21,75



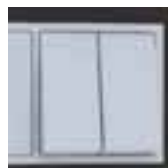
Double unipolar switch

Ref.	Colour	€
3112 01	White	38,91
3112 52	Matt chrome	42,80



3-way switch

Ref.	Colour	€
3111 01	White	23,97
3111 52	Matt chrome	26,36



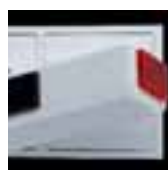
Double 3-way switch

Ref.	Colour	€
3113 01	White	44,12
3113 52	Matt chrome	48,53



Unipolar pull switch

Ref.	Colour	€
3114 01	White	64,31
3114 52	Matt chrome	70,75



Remote control (2 switches + nurse ring)

Ref.	Colour	€
3115 01	White	340,20
3115 52	Matt chrome	374,22



Phone socket (RJ-11)

Ref.	Colour	€
3116 01	White	31,23
3116 52	Matt chrome	34,36



Data socket (RJ-45)

Ref.	Colour	€
3117 01	White	54,44
3117 52	Matt chrome	59,88



Pull cord

Ref.	Colour	€
3118 01	White	38,81
3118 52	Matt chrome	42,68



Remote push button

Ref.	Colour	€
3119 01	White	64,59
3119 52	Matt chrome	71,04



Cable connection

Ref.	Colour	€
3120 01	White	24,55
3120 52	Matt chrome	27,00



Speaker and mike

Ref.	Colour	€
3121 01	White	319,52
3121 52	Matt chrome	351,47



Night light

Ref.	Colour	€
3122 01	White	46,99
3122 52	Matt chrome	51,69



Call and presence push button

Ref.	Colour	€
3123 01	White	153,14
3123 52	Matt chrome	168,44



Call and presence push button with bed control.

Ref.	Colour	€
3124 01	White	1020,14
3124 52	Matt chrome	1122,15



Schuko socket

Ref.	Colour	€
3125 01	White	20,18
3125 52	Matt chrome	22,20



Schuko socket (France)

Ref.	Colour	€
3126 01	White	26,34
3126 52	Matt chrome	28,98



Blind cover

Ref.	Colour	€
3127 01	White	11,45
3127 52	Matt chrome	12,59



Industrial

Lighting

Price list

High bay and projectors

372





Industrial high bay



Konstel flat HQI
Konstel flat Sodium vapour
Konstel flat Mercury vapour
Konstel flat LED E-40

374



Konstel faceted HQI
Konstel faceted Sodium vapour
Konstel facet. Mercury vapour
Konstel facet. LED E-40

375



Konstel acrilica HQI
Konstel acrilica Sodium vapour
Konstel acril. Mercury vapour
Konstel acril. LED E-40

375



Konik flat HQI
Konik flat Sodium vapour
Konik flat Mercury vapour
Konik flat LED E-40

376

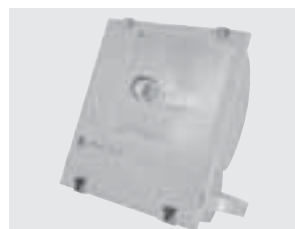


Konik faceted HQI
Konik facet. Sodium vapour
Konik facet. Mercury vapour
Konik facet. LED E-40

377



Projectors



Likon HQI
Likon sodium E40
Likon LED E-40

380



Likon LED

381



Tenko HQI RX7s

383



Tenko LED

383



Konik acrilica HQI
Konik acrilica Sodium vapour
Konik acril. Mercury vapour
Konik acril. LED E-40

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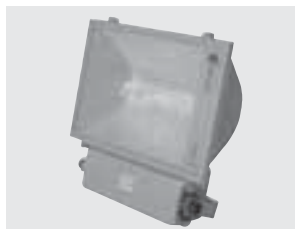
Konstel LED

378



Konik LED

379



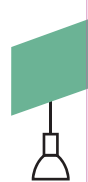
Tenko HQI
Tenko sodium E40
Tenko LED E-40

384



Tenko HQI 1000w

385



Konstel

Protection degree IP20 / IP65

- Material:** Aluminium or acrylic material high bay, injected aluminium gear-box thermo painted.
- Optics:** Smooth reflective aluminium high bay, faceted high bay or translucent acrylic high bay. It can be supplied with protective glass (Ref. C 790) for aluminium high bay or acrylic protective glass (Ref. CA 780) for acrylic high bay.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses high intensity discharge lamps:
 - HQI Lamp. Of 70, 150, 250 and 400 watts. High lighting level, suitable for big shopping centers or industrial buildings.
 - Sodium vapour lamps. Of 150, 250 and 400 watts. High lighting level, visual acuity and comfort, good perception of contrasts, suitable for big shopping centers or industrial buildings.
 - Mercury vapour lamps. Of 150, 250 and 400 watts. High lighting level, suitable for industrial buildings.
- Installation:** Directly on ceiling with a suspension kit, standard version 1 meter length (screw not included).
- Colours:** Natural aluminium / titanium.



Konstel flat / HQI



Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1051 90 70	Titanium	HQI(ovoide)	E27	70w	288,20	0.70	0.30
1051 90 15	Titanium	HQI(ovoide)	E40	150w	247,01	0.70	0.30
1051 90 25	Titanium	HQI(ovoide)	E40	250w	251,11	0.70	0.30
1051 90 40	Titanium	HQI(ovoide)	E40	400w	256,05	0.70	0.30

Konstel flat / Sodium vapour



Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1052 90 15	Titanium	Sodium	E40	150w	248,43	0.70	0.30
1052 90 25	Titanium	Sodium	E40	250w	254,61	0.70	0.30
1052 90 40	Titanium	Sodium	E40	400w	259,80	0.70	0.30

Konstel flat / Mercury vapour



Includes control gear and MERCURY VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1053 90 25	Titanium	Mercury	E40	250w	251,93	0.70	0.30
1053 90 40	Titanium	Mercury	E40	400w	255,56	0.70	0.30

Konstel flat / LED E-40



Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1051 90 30	Titanium	LED	E40	30w	441,75	0.70	0.20
1051 90 36	Titanium	LED	E40	36w	495,60	0.70	0.20
1051 90 42	Titanium	LED	E40	42w	563,25	0.70	0.20

* Supplied in a standard manner with 5400° K lamp



Ref. **C790**
Protection glass IP65.

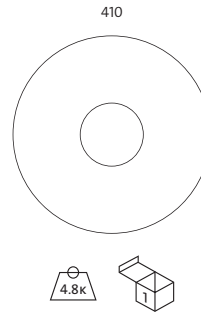
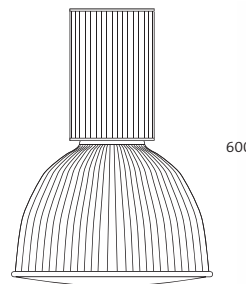
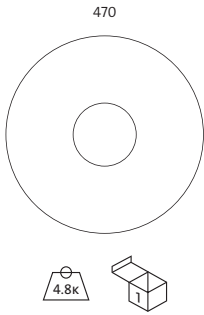
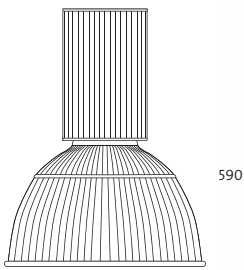


Ref. **CA780**
Acrylic protection IP44.

Rough increase of accessories		€
Ref. C790	Protection glass (Aluminium high bay)	16,62
Ref. CA780	Acrylic protection (Acrylic high bay)	19,90
Ref. KLA	Auxiliary lamp system	84,10
Ref. KE	Emergency kit (PL-C 18w)	162,50

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Konstel



Konstel faceted / HQI

Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1054 90 70	Titanium	HQI(ovoide)	E27	70w	288,22	0.70	0.30
1054 90 15	Titanium	HQI(ovoide)	E40	150w	246,99	0.70	0.30
1054 90 25	Titanium	HQI(ovoide)	E40	250w	251,13	0.70	0.30
1054 90 40	Titanium	HQI(ovoide)	E40	400w	256,07	0.70	0.30

Konstel acrílica / HQI

Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1057 90 70	Titanium	HQI(ovoide)	E27	70w	383,37	0.70	0.30
1057 90 15	Titanium	HQI(ovoide)	E40	150w	341,89	0.70	0.30
1057 90 25	Titanium	HQI(ovoide)	E40	250w	346,28	0.70	0.30
1057 90 40	Titanium	HQI(ovoide)	E40	400w	351,43	0.70	0.30

Konstel faceted / Sodium vapour

Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1055 90 15	Titanium	Sodium	E40	150w	248,47	0.70	0.30
1055 90 25	Titanium	Sodium	E40	250w	254,65	0.70	0.30
1055 90 40	Titanium	Sodium	E40	400w	260,13	0.70	0.30

Konstel acrílica / Sodium vapour

Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1058 90 15	Titanium	Sodium	E40	150w	343,09	0.70	0.30
1058 90 25	Titanium	Sodium	E40	250w	349,37	0.70	0.30
1058 90 40	Titanium	Sodium	E40	400w	355,36	0.70	0.30

Konstel faceted / Mercury vapour

Includes control gear and MERCURY VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1056 90 25	Titanium	Mercury	E40	250w	251,95	0.70	0.30
1056 90 40	Titanium	Mercury	E40	400w	255,58	0.70	0.30

Konstel acrílica / Mercury vapour

Includes control gear and MERCURY VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1059 90 25	Titanium	Mercury	E40	250w	347,31	0.70	0.30
1059 90 40	Titanium	Mercury	E40	400w	350,40	0.70	0.30

Konstel faceted / LED E-40

Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1054 90 30	Titanium	LED	E40	30w	442,30	0.70	0.20
1054 90 36	Titanium	LED	E40	36w	496,25	0.70	0.20
1054 90 42	Titanium	LED	E40	42w	563,90	0.70	0.20

* Supplied in a standard manner with 5400° K lamp

Konstel acrílica / LED E-40

Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lamp.
1057 90 30	Titanium	LED	E40	30w	536,65	0.70	0.20
1057 90 36	Titanium	LED	E40	36w	590,10	0.70	0.20
1057 90 42	Titanium	LED	E40	42w	658,15	0.70	0.20

* Supplied in a standard manner with 5400° K lamp

Konik

Protection degree IP20 / IP65

- Material:** Aluminium or acrylic material high bay, injected aluminium gear-box thermo painted.
- Optics:** Smooth reflective aluminium high bay, faceted high bay or translucent acrylic high bay. It can be supplied with protective glass (Ref. C 790) for aluminium high bay or acrylic protective glass (Ref. CA 780) for acrylic high bay.
- Supply:** Control gears adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses high intensity discharge lamps:
 - HQI Lamp. Of 70, 150, 250 and 400 watts. High lighting level, suitable for big shopping centers or industrial buildings.
 - Sodium vapour lamps. Of 150, 250 and 400 watts. High lighting level, visual acuity and comfort, good perception of contrasts, suitable for big shopping centers or industrial buildings.
 - Mercury vapour lamps. Of 150, 250 and 400 watts. High lighting level, suitable for industrial buildings.
- Installation:** Directly on ceiling with a suspension kit, standard version 1 meter length (screw not included).
- Colours:** Natural aluminium / titanium.



KLA Auxiliary lamp system

Normally, after a power cut, metal halide lamps take around 15-20 minutes in recovering the normal lighting level.

With our accessory, auxiliary lamp system, the light supply is supported due to a special device which turn on a 150w E-27 lamp when required. This system is very useful in industrial areas as well as in big commercial areas, because it make possible continuous working in a power cut case.

The auxiliary lamp kit is formed by an E-27 lampholder, a 150w metal halide lamp and a commutation device.

* Equipments and lamps are included in the kit.



Konik flat / HQI



Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
790 90 25	Al.nat./Titanium	HQI(ovoide)	E40	250w	199,63	0.70	0.30
790 90 40	Al.nat./Titanium	HQI(ovoide)	E40	400w	204,80	0.70	0.30

Konik flat / Sodium vapour



Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
794 90 15	Al.nat./Titanium	Sodium	E40	150w	196,85	0.70	0.30
794 90 25	Al.nat./Titanium	Sodium	E40	250w	203,21	0.70	0.30
794 90 40	Al.nat./Titanium	Sodium	E40	400w	208,98	0.70	0.30

Konik flat / Mercury vapour



Includes control gear and MERCURY VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
798 90 25	Al.nat./Titanium	Mercury	E40	250w	200,66	0.70	0.30
798 90 40	Al.nat./Titanium	Mercury	E40	400w	204,12	0.70	0.30

Konik flat / LED E-40



Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp.
790 90 42	Al.nat./Titanium	LED	E40	42w	511,70	0.70	0.20

* Supplied in a standard manner with 5400° K lamp

Rough increase of accessories

Ref.	Description	€
Ref. C790	Protection glass (Aluminium high bay)	16,62
Ref. CA780	Acrylic protection (Acrylic high bay)	19,90
Ref. REJ790	Grille vandal resistant (Aluminium high bay)	23,00
Ref. KLA	Auxiliary lamp system	84,10
Ref. KE	Emergency kit (PL-C 18w)	162,50



Konik faceted / HQI

Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
791 90 25	Al.nat./Titanium	HQI(ovoide)	E40	250w	199,65	0.70 0.30
791 90 40	Al.nat./Titanium	HQI(ovoide)	E40	400w	204,82	0.70 0.30

Konik acrílica / HQI

Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
783C 90 25	Al.nat./Titanium	HQI(ovoide)	E40	250w	294,99	0.70 0.30
783C 90 40	Al.nat./Titanium	HQI(ovoide)	E40	400w	300,16	0.70 0.30

Konik faceted / Sodium vapour

Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
795 90 15	Al.nat./Titanium	Sodium	E40	150w	196,87	0.70 0.30
795 90 25	Al.nat./Titanium	Sodium	E40	250w	203,23	0.70 0.30
795 90 40	Al.nat./Titanium	Sodium	E40	400w	209,00	0.70 0.30

Konik acrílica / Sodium vapour

Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
784C 90 15	Al.nat./Titanium	Sodium	E40	150w	292,23	0.70 0.30
784C 90 25	Al.nat./Titanium	Sodium	E40	250w	298,61	0.70 0.30
784C 90 40	Al.nat./Titanium	Sodium	E40	400w	304,38	0.70 0.30

Konik faceted / Mercury vapour

Includes control gear and MERCURY VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
799 90 25	Al.nat./Titanium	Mercury	E40	250w	200,68	0.70 0.30
799 90 40	Al.nat./Titanium	Mercury	E40	400w	204,14	0.70 0.30

Konik acrílica / Mercury vapour

Includes control gear and MERCURY VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
785C 90 25	Al.nat./Titanium	Mercury	E40	250w	299,48	0.70 0.30
785C 90 40	Al.nat./Titanium	Mercury	E40	400w	299,48	0.70 0.30

Konik faceted / LED E-40

Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
791 90 42	Al.nat./Titanium	LED	E40	42w	511,70	0.70 0.20

* Supplied in a standard manner with 5400° K lamp

Konik acrílica / LED E-40

Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.
793 90 42	Al.nat./Titanium	LED	E40	42w	610,50	0.70 0.20

* Supplied in a standard manner with 5400° K lamp



Ref. C790
Protection glass IP65.



Ref. CA780
Cierre acrílico IP44.

LED OPTIONS

	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Konstel LED

Protection degree IP54

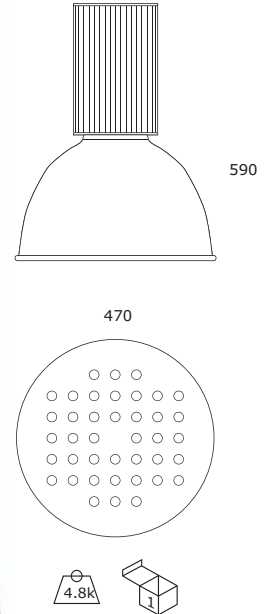
- Material:** Aluminium material high bay, injected aluminium gear-box thermo painted.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver adapted to the type of LED and to the power needed are included in all the models.
- Lamps:** PCB LEDs Osram Golden Dragon 96w or 4 LED CREE 120w. High lighting level, suitable for big shopping centers or industrial buildings.
- Installation:** Directly on ceiling with a suspension kit, standard version 1 meter length (screw not included).
- Colours:** Natural aluminium / titanium.



Includes protection glass, driver and 40 LED 96w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.2
	1051 90 10	Al.nat./Titanium	LED	96w	768,20	0.70

* Supplied in a standard manner with 5400° K lamp



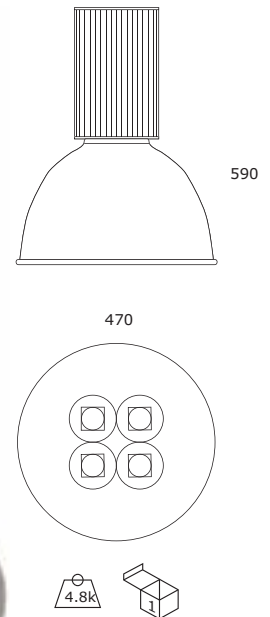
LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Includes protection glass, driver and 4 LED CREE 30W

LED	Ref.	Colour	Lamp	W	€	RAEE lum.2
	1051 90 12	Al.nat./Titanium	LED	120w	478,60	0.70

* Supplied in a standard manner with 5400° K lamp




Konik LED

Protection degree IP54

- Material:** Aluminium material high bay, injected aluminium gear-box thermo painted.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver adapted to the type of LED and to the power needed are included in all the models.
- Lamps:** PCB LEDs Osram Golden Dragon 96w or 4 LED CREE 120w. High lighting level, suitable for big shopping centers or industrial buildings.
- Installation:** Directly on ceiling with a suspension kit, standard version 1 meter length (screw not included).
- Colours:** Natural aluminium.

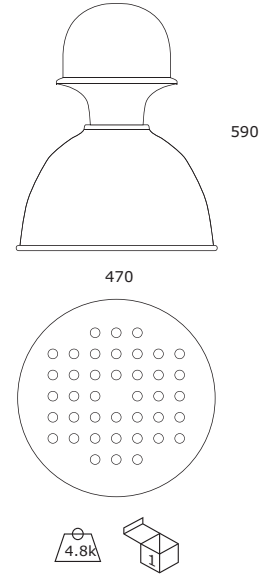


Includes protection glass, driver and 40 LED 96w

LED	Ref.	Colour	Lamp	W	€	lum.
	790 90 10	Aluminium. nat.	LED	96w	748,20	0.70


* Supplied in a standard manner with 5400° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

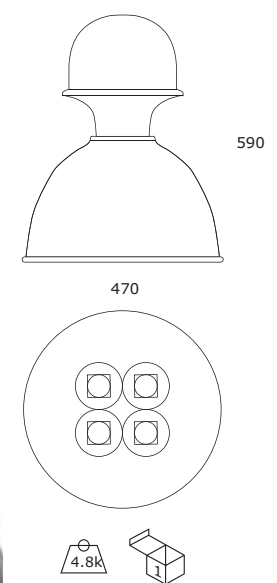


Includes protection glass, driver and 4 LED CREE 30W



LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	790 90 12	Al.nat./Titanium	LED	120w	458,60	0.70

* Supplied in a standard manner with 5400° K lamp



Likon E-40


Protection degree IP65

- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses high intensity discharge lamps:
 - HQI lamps. Of 250 and 400 watts. High lighting level.
 -Sodium vapour lamps. Of 250 and 400 watts. High lighting level, visual acuity and comfort , good perception of contrasts, suitable where direct lighting is required, especially for facade lighting.
 -LED Lamps with lampholder E-40 in powers of 30, 36 and 42 watts.High lighting level, suitable for big shopping centers or industrial buildings.
- Installation:** Directly screw on wall or city furniture (screw not included).
- Colours:** White, black and titanium.




Likon HQI

Includes control gear and lamp HQI

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 738C 01 25	White	HQI(tubular)	E40	250w	201,46	0.70	0.30
738C 02 25	Black	HQI(tubular)	E40	250w	201,46	0.70	0.30
738C 90 25	Titanium	HQI(tubular)	E40	250w	201,46	0.70	0.30
738C 01 40	White	HQI(tubular)	E40	400w	202,60	0.70	0.30
738C 02 40	Black	HQI(tubular)	E40	400w	202,60	0.70	0.30
738C 90 40	Titanium	HQI(tubular)	E40	400w	202,60	0.70	0.30
<i>Rough increase of accessories</i>							
Ref. 3102	Reflector asymmetric				21,50		

Likon Sodium


Includes control gear and SODIUM VAPOUR lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 739C 01 15	White	Vap.Sodium	E40	150w	203,63	0.70	0.30
739C 02 15	Black	Vap.Sodium	E40	150w	203,63	0.70	0.30
739C 90 15	Titanium	Vap.Sodium	E40	150w	203,63	0.70	0.30
739C 01 25	White	Vap.Sodium	E40	250w	204,76	0.70	0.30
739C 02 25	Black	Vap.Sodium	E40	250w	204,76	0.70	0.30
739C 90 25	Titanium	Vap.Sodium	E40	250w	204,76	0.70	0.30
739C 01 40	White	Vap.Sodium	E40	400w	205,74	0.70	0.30
739C 02 40	Black	Vap.Sodium	E40	400w	205,74	0.70	0.30
739C 90 40	Titanium	Vap.Sodium	E40	400w	205,74	0.70	0.30

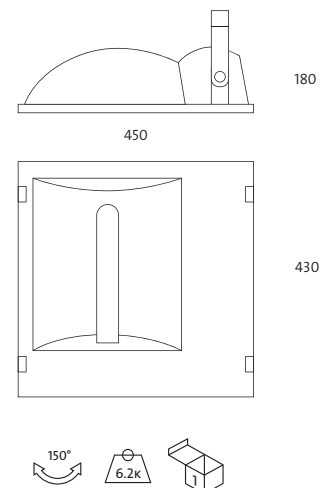
LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Likon LED E-40

LED Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp.	
 738C 01 42	White	LED	E40	42w	518,40	0.70	0.20
738C 02 42	Black	LED	E40	42w	518,41	0.70	0.20
738C 90 42	Titanium	LED	E40	42w	518,42	0.70	0.20

* Supplied in a standard manner with 5400° K lamp



Likon HQI / Sodium / LED E-40/ LED


Likon LED

Protection degree IP65

- Material:** Injected aluminium thermo painted.
- Optics:** Optics built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED PCB with 16 / 20 Osram Golden Dragon LEDs of 2.4 W.
- Installation:** Recommended for domestic, commercial and industrial use.
- Colours:** Directly screw on wall or city furniture (screw not included).
- Options:** White, black and titanium.

Likon LED 38,4w / 2880 lumens


Includes protection glass, driver and PCB LED

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3270 01 38 85	White	LED	16x2,4w	394,13	0,50
	3270 02 38 85	Black	LED	16x2,4w	394,13	0,50
	3270 90 38 85	Titanium	LED	16x2,4w	394,13	0,50

* Supplied in a standard manner with 5400° K lamp

Likon LED 48w / 3600 lumens


Includes protection glass, driver and PCB LED

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3270 01 48 85	White	LED	20x2,4w	431,51	0,50
	3270 02 48 85	Black	LED	20x2,4w	431,51	0,50
	3270 90 48 85	Titanium	LED	20x2,4w	431,51	0,50

* Supplied in a standard manner with 5400° K lamp

Likon LED 96w / 7200 lumens

Includes protection glass, driver and PCB LED

LED	Ref.	Colour	Lamp	W	€	lum.
	3270 01 96 85	White	LED	40x2,4w	583,11	0,50
	3270 02 96 85	Black	LED	40x2,4w	583,11	0,50
	3270 90 96 85	Titanium	LED	40x2,4w	583,11	0,50


* Supplied in a standard manner with 5400° K lamp

LED OPTIONS	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

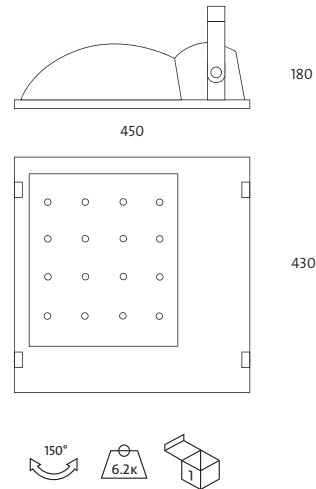
Likon LED 120W



Includes protection glass, driver and 4 LED CREE 30W

LED	Ref.	Colour	Lamp	L/H	W	€	RAEE lum..
	738C 01 12	White	LED	-	120w	451,10	0.70
	738C 02 12	Black	LED	-	120w	451,10	0.70
	738C 90 12	Titanium	LED	-	120w	451,10	0.70

* Supplied in a standard manner with 5400° K lamp

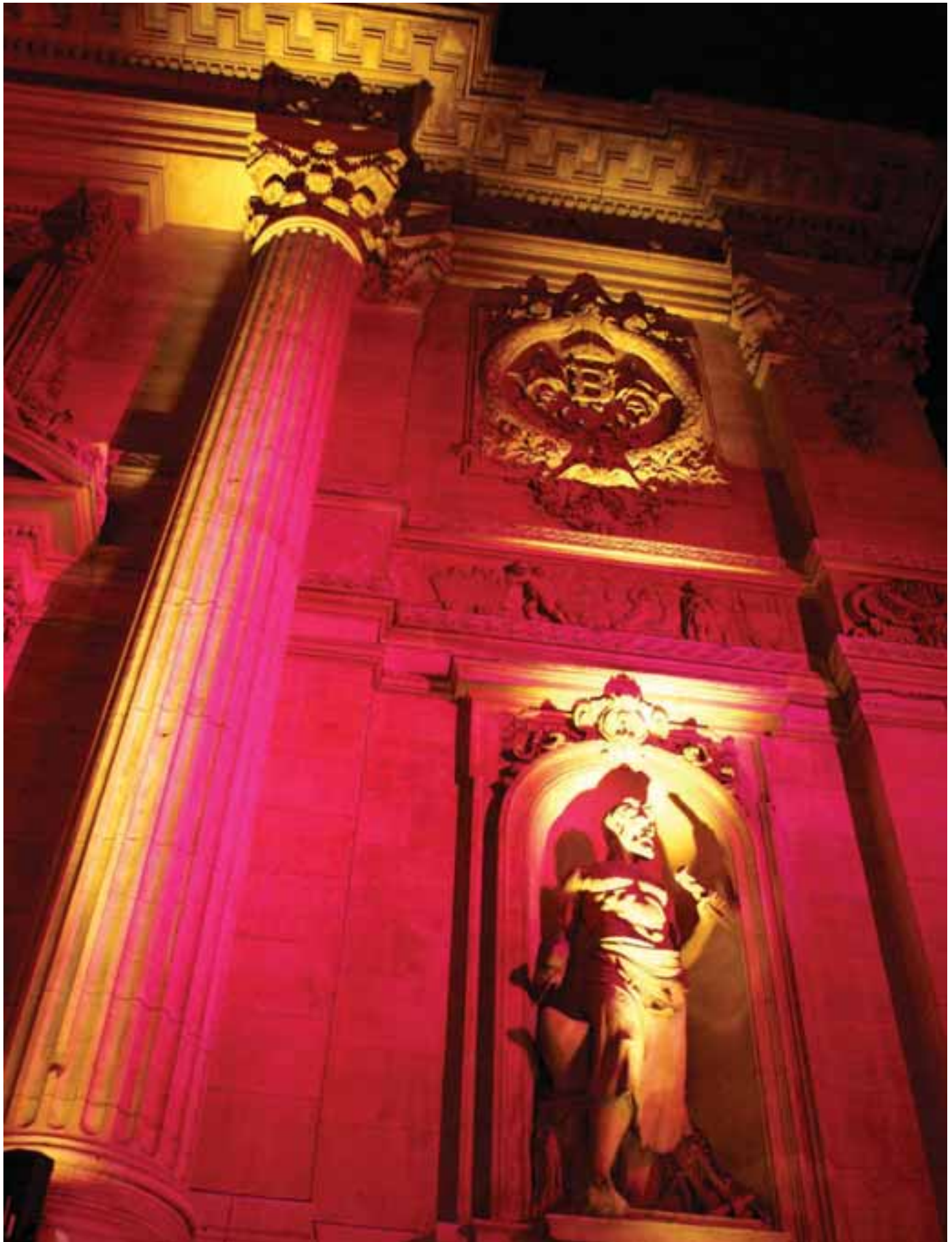


Example to write a reference with options

Likon LED 38w

Ref. 2080 01 38 83

White 3300°K



Tenko HQI RX7s

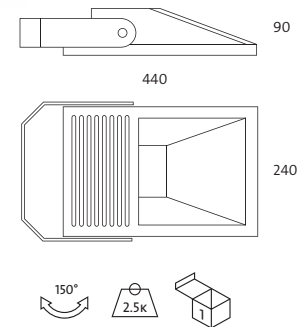
Protection degree IP65 / IK8

- Material:** Injected aluminium thermo painted.
- Optics:** Asymmetrical aluminium reflector and protective watertight glass
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** Metal halide lamps of 70 and 150 watts, suitable for indoor / outdoor where direct lighting is required, especially for facade lighting.
- Installation:** Directly screw on ceiling or wall (screw not included).
- Colours:** White, black and titanium.

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
733 01 70	White	HQI	RX7s	70w	114,12	0,50	0,30
733 02 70	Black	HQI	RX7s	70w	114,12	0,50	0,30
733 90 70	Titanium	HQI	RX7s	70w	114,12	0,50	0,30
733 01 15	White	HQI	RX7s	150w	120,33	0,50	0,30
733 02 15	Black	HQI	RX7s	150w	120,33	0,50	0,30
733 90 15	Titanium	HQI	RX7s	150w	120,33	0,50	0,30

* Supplied in a standard manner with 4200° K lamp



Tenko LED

Protection degree IP65 / IK8

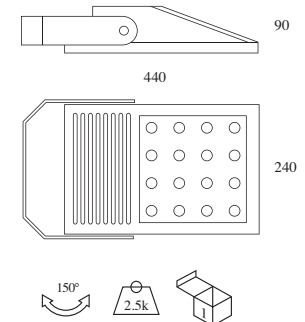


- Material:** Injected aluminium thermo painted.
- Optics:** Extensive optis 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED PCB 9 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Estimated life:** Estimated life span 30,000 hours.
- Installation:** Directly screw on ceiling or wall (screw not included).
- Colours:** White, black and titanium.

Includes protection glass, driver and PCB LED 38,40w/ 2880 lum.

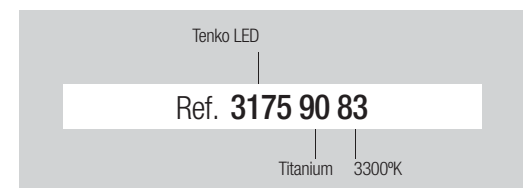
LED	Ref.	Colour	Lamp	W	€	RAEE	
						lum.	lum.
	3175 01 86	White	LED	16x2,4w	367,42	0,50	0,50
	3175 02 86	Black	LED	16x2,4w	367,42	0,50	0,50
	3175 90 86	Titanium	LED	16x2,4w	367,42	0,50	0,50

* Supplied in a standard manner with 5400° K lamp



OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

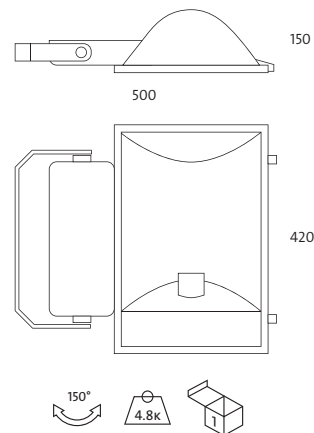
Example to write a reference with options



Tenko HQI / Sodium E-40 / LED E-40

Protection degree IP65 / IK8

- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses high intensity discharge lamps:
 - HQI lamps. Of 250 and 400 watts. High lighting level.
 -Sodium vapour lamps. Of 250 and 400 watts. High lighting level, visual acuity and comfort , good perception of contrasts, suitable where direct lighting is required, especially for facade lighting.
 -LED Lamps with lampholder E-40 in powers of 30, 36 and 42 watts.High lighting level, suitable for big shopping centers or industrial buildings.
- Installation:** Directly screw on wall or city furniture (screw not included).
- Colours:** White, black and titanium.



Tenko HQI

Includes control gear and HQI lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
735 01 25	White	HQI(tubular)	E40	250w	185,19	0,70	0,30
735 02 25	Black	HQI(tubular)	E40	250w	185,19	0,70	0,30
735 90 25	Titanium	HQI(tubular)	E40	250w	185,19	0,70	0,30
735 01 40	White	HQI(tubular)	E40	400w	188,28	0,70	0,30
735 02 40	Black	HQI(tubular)	E40	400w	188,28	0,70	0,30
735 90 40	Titanium	HQI(tubular)	E40	400w	188,28	0,70	0,30

Tenko Sodium

Includes control gear and SODIUM VAPOUR lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
737 01 25	White	Sodium Vap.	E40	250w	187,74	0,70	0,30
737 02 25	Black	Sodium Vap.	E40	250w	187,74	0,70	0,30
737 90 25	Titanium	Sodium Vap.	E40	250w	187,74	0,70	0,30
737 01 40	White	Sodium Vap.	E40	400w	192,46	0,70	0,30
737 02 40	Black	Sodium Vap.	E40	400w	192,46	0,70	0,30
737 90 40	Titanium	Sodium Vap.	E40	400w	192,46	0,70	0,30

Rough increase of accessories

Ref. 3102 Asymmetric reflector	21,50
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Tenko LED E-40



Includes driver and LED lamp E-40

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
735 01 42	White	LED	E40	42w	502,69	0,70	0,20
735 02 42	Black	LED	E40	42w	502,70	0,70	0,20
735 90 42	Titanium	LED	E40	42w	502,72	0,70	0,20

* Supplied in a standard manner with 5400° K lamp

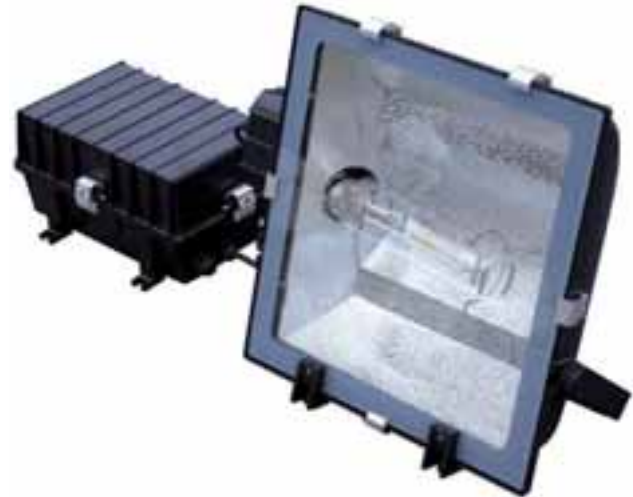
OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Tenko E-40 / Tenko RX7s / Tenko 1000

Tenko HQI 1000w

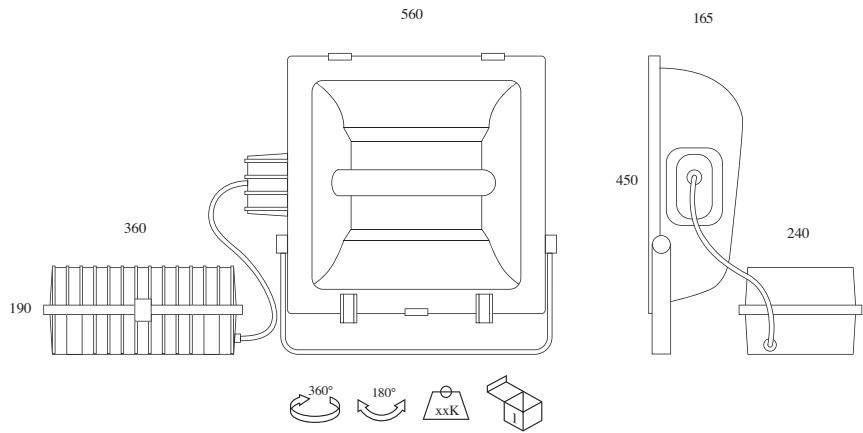
Protection degree IP65 / IK8

- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses high intensity discharge lamps:
- HQI lamps. HQI lamps of 1000 watts. High lighting level.
- Installation:** Directly screw on ceiling or wall (screw not included).
- Colours:** Black



Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
735 02 10	Black	HQI(tubular)	E40	1000w	786,92	0,70	0,30



Outdoor

Lighting

Price list

Recessing systems

Surface systems

Projectors

Flexible LED strip

Bollard luminaries

388



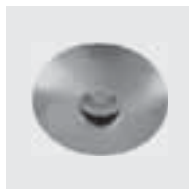
Recessed



Rago Rago LED **392**



Rago square Rago square LED **392**



Beco Beco LED **393**



Aqualight Aqualight LED **393**



Archi HQI Archi LED **394**



Archi square Archi square LED **394**



Supra-Arci Supra-Arci LED **395**



Supra-Arci square Supra-Arci square LED **395**



Microrago LED **396**



Archi Mini PL Archi Mini LED **396**



Balma 14 / Balma 21 Balma 6 LED / Balma 10 LED **397 399**



Waterproof Supraducto **400**



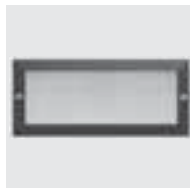
Trido vertical Trido vertical LED **402**



Trido horizontal Trido horizontal LED **402**



Targo **404**



Winlight Winlight LED **404**



Krups **405**



Flo **405**



Flo overcast **405**

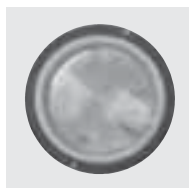
Surface



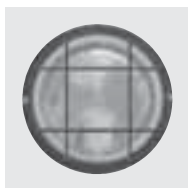
Vanio **407**



Leny Leny LED **407**



Tortuga **408**



Tortuga **408**



Tortuga **408**



Tortuga **408**



Tresso **409**



Tresso **409**



Tresso **409**



Tresso **409**

Projectors



Toscan 410



Kalos
Kalos LED 410



Sirvo
Sirvo LED 411



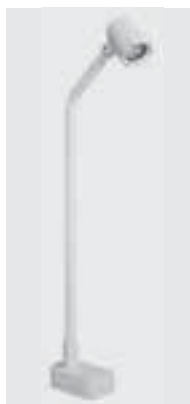
Bistro
Bistro LED 420



Bruken
Bruken LED 413



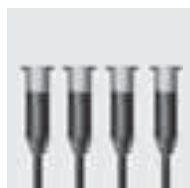
Prabaco
Prabaco LED 414



Oper 1m 415



Oper 415



Vercor White 417
Vercor RGB
Vercor emergency

LED Strip



Cambo 419

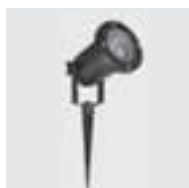
Bollard luminaries



Gor
Gor LED 422



Trema 423



Croled 423



Cubic PL-C 426
Cubic LED



Tubic PL-C 427
Tubic LED



Naya PL-C 428
Naya LED



Telma T5 429
Telma LED







Rago

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Optics incorporated in the lamp It includes protective glass with a resistance up to 5000 kg.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses halogen lamps of 50w.
- Installation:** Fitting for recessing into the ground with an auxiliary box.
- Colours:** Stainless steel



Whithout lamps

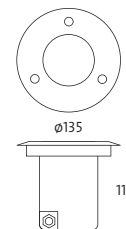
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
929 00	Stainless steel	-	GU5.3	-	109,31	0,25

Includes electronic transformers and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
929 00 50	Stainless steel	12v50w	GU5.3	50w	112,71	0,25

* Supplied in a standard manner with 36° opening lamp



LED

Includes driver and LED lamp 3w



Ref.	Colour	Lamp	W	€	RAEE lum. lamp
927 00 03	Stainless steel	LED	3x1w	184,65	0,25 0,20

Rago square

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Optics incorporated in the lamp It includes protective glass with a resistance up to 5000 kg.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses halogen lamps of 50w.
- Installation:** Fitting for recessing into the ground with an auxiliary box.
- Colours:** Stainless steel



Whithout lamp

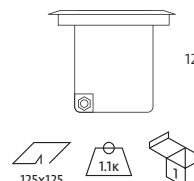
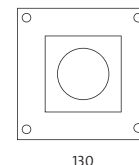
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
931 00	Stainless steel	-	GU5.3	-	115,48	0,25

Includes DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
931 00 50	Stainless steel	12v50w	GU5.3	50w	128,15	0,25

* Supplied in a standard manner with 36° opening lamp



LED

Includes driver and LED lamp 3w

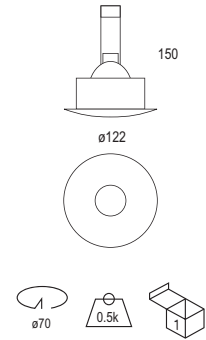


Ref.	Colour	Lamp	W	€	RAEE lum. lamp
931 00 03	Stainless steel	LED	3x1w	190,18	0,25 0,20

Beco

Protection degree IP66

- Material:** Stainless steel finish.
- Óptica:** Optics incorporated in the lamps.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses dichroic halogen lamps of 50w.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Stainless steel



Includes electronic transformers and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
930 00 50	Stainless steel	12v50w	GU5.3	50w	79,02	0,25

* Supplied in a standard manner with 36° opening lamp

LED

Includes driver and LED lamp 5w



Ref.	Colour	Lamp	W	€	RAEE lum. lamp
930 00 05	Stainless steel	LED	5w	123,51	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

LED

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	W	€	RAEE lum. lamp
930 00 03	Stainless steel	LED	3w	130,41	0,25 0,20

Rough increase of accessories



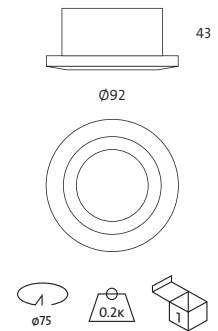
Ref.	Controller	€
3080	Controller MR16 LED RGB lamp	6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Aqualight

Protection degree IP54

- Material:** Injected aluminium.
- Óptica:** Optics incorporated in the lamps. It includes protective glass.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses dichroic halogen lamps of 50w.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, chrome and chrome mat.



Includes electronic transformers and DICHROIC HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
970 01 50	White	12v50w	GU5.3	50w	39,26	0,25
970 05 50	Cromo	12v50w	GU5.3	50w	45,32	0,25
970 52 50	Matt chrome	12v50w	GU5.3	50w	45,32	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5w



Ref.	Colour	Lamp	W	€	RAEE lum. lamp
970 01 05	White	GU5.3	5w	83,75	0,25 0,20
970 05 05	Cromo	GU5.3	5w	89,81	0,25 0,20
970 52 05	Matt chrome	GU5.3	5w	89,81	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and LED lamp 7w



Ref.	Colour	Lamp	W	€	RAEE lum. lamp
970 01 07	White	GU5.3	7w	99,75	0,25 0,20
970 05 07	Cromo	GU5.3	7w	106,51	0,25 0,20
970 52 07	Matt chrome	GU5.3	7w	106,51	0,25 0,20

* Supplied in a standard manner with 3100° K lamp

Includes driver and MR16 LED RGB lamp



Ref.	Colour	Lamp	W	€	RAEE lum. lamp
970 01 03	White	GU5.3	3w	90,66	0,25 0,20
970 05 03	Cromo	GU5.3	3w	96,71	0,25 0,20
970 52 03	Matt chrome	GU5.3	3w	96,71	0,25 0,20

Rough increase of accessories



Ref.	Controller	€
3080	Controller MR16 LED RGB lamp	6,60

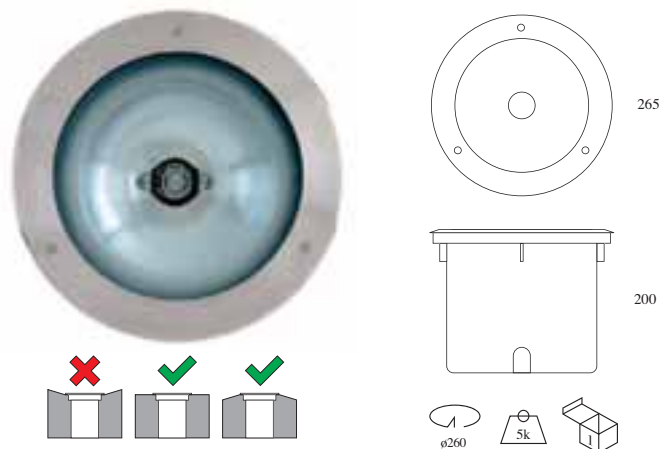
* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.



Arci

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Aluminium reflector. It includes protective glass with a resistance up to 5000 kg.
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** HQI lamps of 70w and LED 29w/30w, suitable for outdoor lighting.
- Installation:** Fitting for recessing into the ground with an auxiliary box. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel



Arci HQI

Includes control gear and HQI lamp G12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
957 00 35	Stainless steel	HQI	G-12	35w	420,13	0,50 0,30
957 00 70	Stainless steel	HQI	G-12	70w	420,44	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

OPTIONS HQI	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•

Arci square

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Aluminium reflector. It includes protective glass with a resistance up to 5000 kg.
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** HQI lamps of 70w and LED 29w/30w, suitable for outdoor lighting.
- Installation:** Fitting for recessing into the ground with an auxiliary box. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel

Arci HQI

Includes control gear and HQI lamp G12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
972 00 70	Stainless steel	HQI	G-12	70w	463,80	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Arci LED

Includes driver and LED 29w

Ref.	Colour	Lamp	W	°K	€	RAEE lum.
972 00 29 85	Stainless steel	LED	29w	5600	451,75	0,50
972 00 25 83	Stainless steel	LED	25w	3000	451,75	0,50
972 00 25 85	Stainless steel	LED	25w	4100	451,75	0,50

Includes driver and LED 30w

Ref.	Colour	Lamp	W	°K	€	RAEE lum.
972 00 30 83	Stainless steel	LED	30w	5600	451,76	0,50

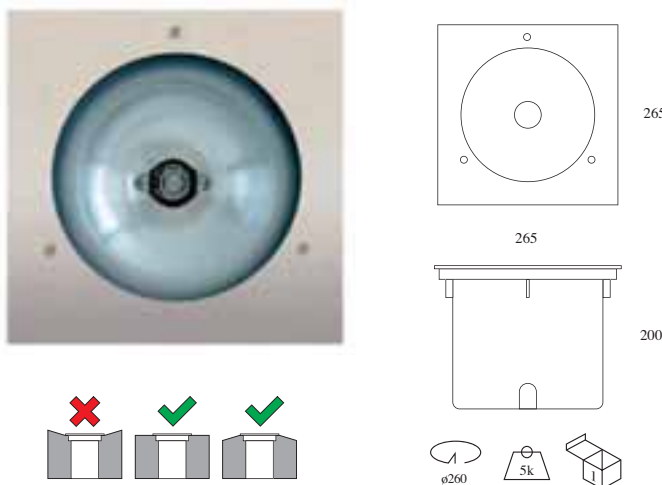
Arci LED

Includes driver and LED 29w

Ref.	Colour	Lamp	W	°K	€	RAEE lum.
957 00 29 85	Stainless steel	LED	29w	5600	408,39	0,50
957 00 25 83	Stainless steel	LED	25w	3000	408,39	0,50
957 00 25 85	Stainless steel	LED	25w	4100	408,38	0,50

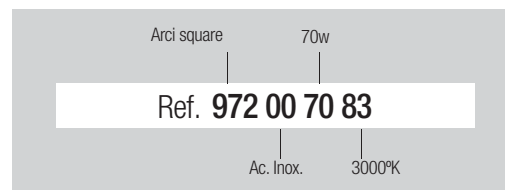
Includes driver and LED 30w

Ref.	Colour	Lamp	W	°K	€	RAEE lum.
957 00 30 83	Stainless steel	LED	30w	5600	408,40	0,50



OPTIONS HQI	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 70w	•	•

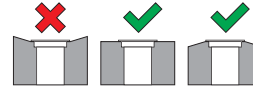
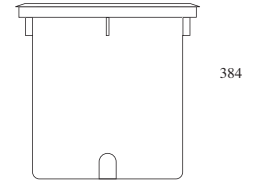
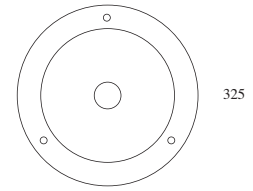
Example to write a reference with options



Supra-Arci

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Aluminium reflector. It includes protective glass with a resistance up to 5000 kg.
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** HQI lamps of 150w and LED 50w, suitable for outdoor lighting.
- Installation:** Fitting for recessing into the ground with an auxiliary box. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel



Supra-arcí HQI

Includes control gear and HQI lamp G12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
959 00 15	Stainless steel	HQI	G-12	150w	561,04	0,50 0,30

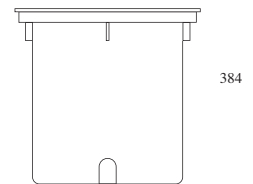
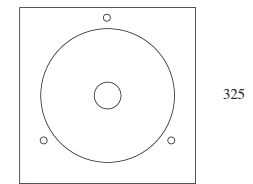
* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 150w	•	•

Supra-Arci square

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Aluminium reflector. It includes protective glass with a resistance up to 5000 kg.
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** HQI lamps of 150w and LED 50w, suitable for outdoor lighting.
- Installation:** Fitting for recessing into the ground with an auxiliary box. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel



Supra-arcí square HQI

Includes control gear and HQI lamp G12

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
974 00 15	Stainless steel	HQI	G-12	150w	622,01	0,50 0,30

* Supplied in a standard manner with 4200° K lamp

Supra-arcí square LED

Includes protection glass, driver and LED 50W

Ref.	Colour	Lamp	W	Lumens	Tc°K	€	RAEE lum.
959 00 50 85	Stainless steel	LED	50w	4500	5600°	699,98	0,50
959 00 50 84	Stainless steel	LED	50w	3500	4100°	707,90	0,50
959 00 50 83	Stainless steel	LED	50w	3100	3000°	709,14	0,50

Supra-arcí LED 50w

Includes protection glass, driver and LED 50W

Ref.	Colour	Lamp	W	Lumens	Tc°K	€	RAEE lum.
3207 00 50 85	Stainless steel	LED	50w	4500	5600°	639,01	0,50
3207 00 50 84	Stainless steel	LED	50w	3500	4100°	646,94	0,50
3207 00 50 83	Stainless steel	LED	50w	3100	3000°	648,17	0,50

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 150w	•	•

Example to write a reference with options

Supra-Arci square LED 50w


Ref. **959 00 50 83**

Ac. Inox. 3000°K

Microrago LED

Protection degree IP67

- Material:** Matt aluminium finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Optics incorporated in the lamps. It includes protective glass with a resistance up to 5000 kg.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses LED lamps 6x0,33w.
- Installation:** Rapid installation for ground, wall or ceiling.
- Colours:** Natural aluminium

LED	Includes driver and LED lamp					
	Ref.	Colour	Lamp	W	€	RAEE lum. lamp
	925 00	Matt aluminium	LED 6x0,33	3w	83,22	0,25




Arci Mini

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Aluminium reflector. It includes protective glass with a resistance up to 5000 kg.
- Supply:** Control gear adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses low consumption lamps PLT of 18w or LED, suitable for outdoor lighting of green spaces.
- Installation:** Fitting for recessing into the ground with an auxiliary box. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel

Arci PL-T Mini


LED	Includes control gear and PL-T lamp						
	Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
	1015 00 18	Stainless steel	PL-T	GX24d-2	18w	203,81	0,25 0,20

* Supplied in a standard manner with 4200° K lamp


OPTIONS PL-T	Ref. 82	Ref. 83	Ref. 84
Colour temperature lamp	2700°K	3000°K	4000°K
PL-T 18w	•	•	•




Arci LED Mini

LED	Includes driver and LED lamp					
	Ref.	Colour	Lamp	W	€	RAEE lum. lamp
	1015 00 09 84	Stainless steel	LED	7,2w	265,22	0,25 0,20

* Supplied in a standard manner with 4000° K lamp

LED	Includes driver and MR16 LED RGB lamp					
	Ref.	Colour	Lamp	W	€	RAEE lum. lamp
	1015 00 03	Stainless steel	LED	3w	303,43	0,25 0,20

Rough increase of accesories						€
	Ref. 3080	Controller MR16 LED RGB lamp			6,60	

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

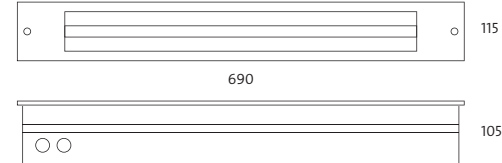
Example to write a reference with options

Arci PL	18w
Ref. 1015 00 18 84	
Ac. Inox.	4000°K

Balma 14 / Balma 21

Protection degree IP67

- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary metallic box in order to put in the building site.
- Óptica:** Asymmetric or symmetric aluminium reflector. It includes protective glass with a resistance up to 3000 kg.
- Supply:** Electronic ballast is included.
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm of 14w and 21w, supplied with 840 lamps (colour temperature: 4000°k); we can also supply with 830/865 lamps (colour temperature: 3000°k and 6500°k).
- Installation:** Fitting for recessing into the ground with an auxiliary box. It is suitable for walking areas. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel



Balma 14 symmetric



Includes electronic ballast and T5 lamp 840

Ref.	Colour	Lamp	W	€	RAEE lum. lamp
1012 00 S	Stainless steel	T5	14w	514,17	0,50 0,30
1014 00 S	Stainless steel	T5	24w	525,60	0,50 0,30

Balma 14 asymmetric

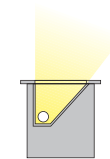
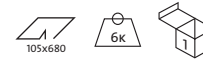
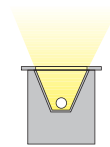


Includes electronic ballast and T5 lamp 840

Ref.	Colour	Lamp	W	€	RAEE lum. lamp
1012 00 A	Stainless steel	T5	14w	506,96	0,50 0,30
1014 00 A	Stainless steel	T5	24w	525,60	0,50 0,30

OPTIONS

	Ref. 83	Ref. 84	Ref. 86
Colour temperature lamp	3000°K	4000°K	6500°K
T5 14w	•	•	•
T5 24w	•	•	•



Balma 21 symmetric



Includes electronic ballast and T5 lamp 21w 840

Ref.	Colour	Lamp	W	€	RAEE lum. lamp
1013 00 S	Stainless steel	T5	21w	518,29	0,50 0,30
1019 00 S	Stainless steel	T5	39w	564,74	0,50 0,30

Balma 21 asymmetric

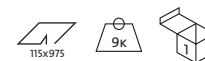
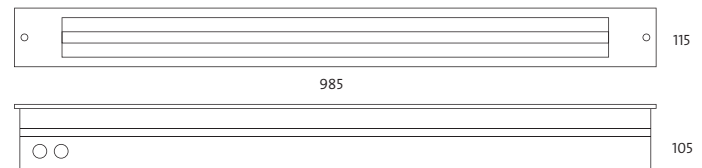


Includes electronic ballast and T5 lamp 21w 840

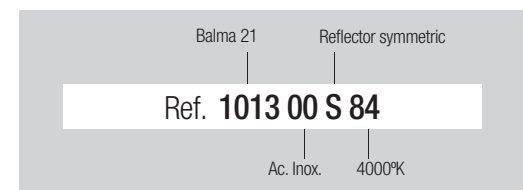
Ref.	Colour	Lamp	W	€	RAEE lum. lamp
1013 00 A	Stainless steel	T5	21w	518,29	0,50 0,30
1019 00 A	Stainless steel	T5	39w	564,74	0,50 0,30

OPTIONS

	Ref. 83	Ref. 84	Ref. 86
Colour temperature lamp	3000°K	4000°K	6500°K
T5 21w	•	•	•
T5 39w	•	•	•



Example to write a reference with options





Balma 6 LED / Balma 10 LED

Protection degree IP67



- Material:** Stainless steel finish. Body made in injected aluminium and auxiliary metallic box in order to put in the building site.
- Óptica:** Asymmetric or symmetric aluminium reflector. It includes protective glass with a resistance up to 3000 kg.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED PCB 6 /10 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Installation:** Fitting for recessing into the ground with an auxiliary box. It is suitable for walking areas. It can not be used in zones with pedestrians without shoes.
- Colours:** Stainless steel.

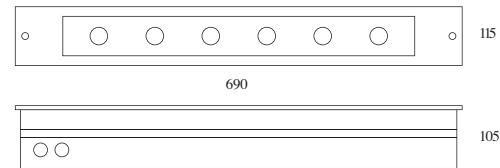


Balma 6 LED

Includes protection glass, driver and 6 LED 2,4w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3195 00 83	Stainless steel	LED warm	14,4w	688,14	0,50
	3195 00 86	Stainless steel	LED cold	14,4w	664,59	0,50

* Supplied in a standard manner with 5400° K lamp

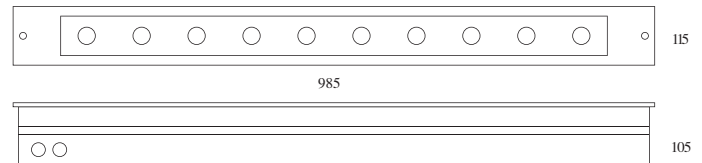


Balma 10 LED

Includes protection glass, driver and 10 LED 2,4w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3196 00 83	Stainless steel	LED warm	24w	747,12	0,50
	3196 00 86	Stainless steel	LED cold	24w	744,45	0,50

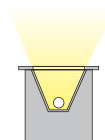
* Supplied in a standard manner with 5400° K lamp



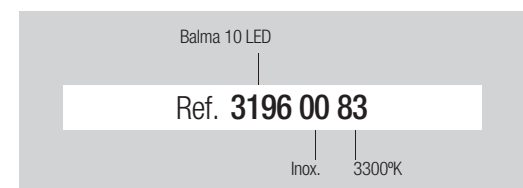
Rough increase of accessories

Ref.	Accessory	€
Ref. 3208	LED Red	66,00
Ref. 3209	LED Green	66,00
Ref. 3210	LED Blue	66,00

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Example to write a reference with options



Waterproof Supructo


Protection degree IP65 / IK10

- Material:** Injected zamak thermo painted.
- Optics:** Faceted aluminium reflector. It includes polycarbonate protection.
- Supply:** Control gear adapted to the type of lamp and to the power needed are included in all the models. Ballast carrier boxes for PL lamps from 9 up to 26 watts. Electronic ballast for PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts. Optionally supplied with domotics sensors systems for all the models. (See the options of the table).
- Lamps:** It uses low consumption lamps PL from 9 up to 26 watts, PLR-ECO 14 / 17 watts and PLT/E 32 / 42 watts, suitable for domestic and commercial use.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, chrome mat and titanium. By request: 02 black, 03 gold 55 nickel, 57 nickel matt.




Waterproof Supructo 1 lamp

Includes control gear, PL lamp and polycarbonate.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
 469 01 09 84	White	PL	G23	1x9w	77,66	0,50	0,20
469 52 09 84	Matt chrome	PL	G23	1x9w	86,95	0,50	0,20
469 90 09 84	Titanium	PL	G23	1x9w	86,95	0,50	0,20
469 01 13 84	White	PL	G24d-1	1x13w	77,68	0,50	0,20
469 52 13 84	Matt chrome	PL	G24d-1	1x13w	86,97	0,50	0,20
469 90 13 84	Titanium	PL	G24d-1	1x13w	86,97	0,50	0,20
469 01 18 84	White	PL	G24d-2	1x18w	77,70	0,50	0,20
469 52 18 84	Matt chrome	PL	G24d-2	1x18w	86,99	0,50	0,20
469 90 18 84	Titanium	PL	G24d-2	1x18w	86,99	0,50	0,20
469 01 26 84	White	PL	G24d-3	1x26w	77,72	0,50	0,20
469 52 26 84	Matt chrome	PL	G24d-3	1x26w	87,01	0,50	0,20
469 90 26 84	Titanium	PL	G24d-3	1x26w	87,01	0,50	0,20


* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast, lamp PLR-ECO and polycarbonate.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
 469 01 14 84	White	PLR	GR14q-1	1x14w	123,49	0,50	0,20
469 52 14 84	Matt chrome	PLR	GR14q-1	1x14w	134,95	0,50	0,20
469 90 14 84	Titanium	PLR	GR14q-1	1x14w	134,95	0,50	0,20
469 01 17 84	White	PLR	GR14q-1	1x17w	123,51	0,50	0,20
469 52 17 84	Matt chrome	PLR	GR14q-1	1x17w	134,97	0,50	0,20
469 90 17 84	Titanium	PLR	GR14q-1	1x17w	134,97	0,50	0,20

* Supplied in a standard manner with 4200° K lamp


Includes electronic ballast, lamp PLT/E and polycarbonate.

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
 469 01 32 84	White	PLR	GX24Q-3	1x32w	110,78	0,50	0,20
469 52 32 84	Matt chrome	PLR	GX24Q-3	1x32w	120,05	0,50	0,20
469 90 32 84	Titanium	PLR	GX24Q-3	1x32w	120,05	0,50	0,20
469 01 42 84	White	PLR	GX24Q-4	1x42w	114,12	0,50	0,20
469 52 42 84	Matt chrome	PLR	GX24Q-4	1x42w	120,07	0,50	0,20
469 90 42 84	Titanium	PLR	GX24Q-4	1x42w	120,07	0,50	0,20

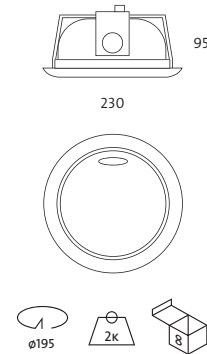
* Supplied in a standard manner with 4200° K lamp

Supructo 1 LED PL lamp 14,4W

Includes driver, 1 LED lamp 14,4W and polycarbonate

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
 469 01 144	White	LED	G-24d-3	1x14,4w	130,02	0,50	0,20
469 52 144	Matt chrome	LED	G-24d-3	1x14,4w	139,30	0,50	0,20
469 90 144	Titanium	LED	G-24d-3	1x14,4w	139,30	0,50	0,20

* Supplied in a standard manner with 5400° K lamp



Waterproof Supraducto 2 lamps

Includes control gear and lamps PL and polycarbonate

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
470 01 09 84	White	PL	G23	2x9w	84,17	0,50	0,40
470 52 09 84	Matt chrome	PL	G23	2x9w	93,48	0,50	0,40
470 90 09 84	Titanium	PL	G23	2x9w	93,48	0,50	0,40
470 01 13 84	White	PL	G24d-1	2x13w	84,19	0,50	0,40
470 52 13 84	Matt chrome	PL	G24d-1	2x13w	93,50	0,50	0,40
470 90 13 84	Titanium	PL	G24d-1	2x13w	93,50	0,50	0,40
470 01 18 84	White	PL	G24d-2	2x18w	84,21	0,50	0,40
470 52 18 84	Matt chrome	PL	G24d-2	2x18w	93,52	0,50	0,40
470 90 18 84	Titanium	PL	G24d-2	2x18w	93,52	0,50	0,40
470 01 26 84	White	PL	G24d-3	2x26w	84,23	0,50	0,40
470 52 26 84	Matt chrome	PL	G24d-3	2x26w	93,54	0,50	0,40
470 90 26 84	Titanium	PL	G24d-3	2x26w	93,54	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

Includes electronic ballast and lamps PLR-ECO and polycarbonate

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
470 01 14 84	White	PLR	GR14q-1	2x14w	141,83	0,50	0,40
470 52 14 84	Matt chrome	PLR	GR14q-1	2x14w	154,21	0,50	0,40
470 90 14 84	Titanium	PLR	GR14q-1	2x14w	154,21	0,50	0,40
470 01 17 84	White	PLR	GR14q-1	2x17w	141,85	0,50	0,40
470 52 17 84	Matt chrome	PLR	GR14q-1	2x17w	154,23	0,50	0,40
470 90 17 84	Titanium	PLR	GR14q-1	2x17w	154,23	0,50	0,40

* Supplied in a standard manner with 4200° K lamp

OPTIONS

Rough increase of the control gear	1x9/13/18/26w	1x14/17w	2x13/18/26w	2x14/17w
	€	€	€	€
Ref. AF High factor	2,90	2,90	2,90	2,90
Ref. BE Electronic ballast	19,00	-	24,00	-
Ref. BR Dimmable ballast 1-10v	85,00	85,00	87,00	87,00
Ref. TD Dimmable ballast Touch and Dim	85,00	85,00	87,00	87,00
Ref. CF Lighting control system "master"	129,00	129,00	136,00	136,00
Ref. FP L. sensor control system "master"	275,00	275,00	283,00	283,00
Ref. KE Emergency kit	130,00	130,00	130,00	130,00

Rough increase of accesories

	€
Ref. WL Wieland connector	16,30

OPTIONS

Colour temperature lamp	Ref. 82	Ref. 83	Ref. 84	Ref. 86
	2700°K	3000°K	4000°K	6500°K
PL 9w	•	•	•	
PL 13w	•	•	•	•
PLR-ECO 14w		•	•	
PLR-ECO 17w		•	•	
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	
PLT/E 42w	•	•	•	

Supraducto 2 lamps LED PL 14,4W

Includes driver and 2 lamps LED 14,4W and polycarbonate

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
470 01 144	White	LED	G-24d-3	2x14,4w	188,80	0,50	0,40
470 52 144	Matt chrome	LED	G-24d-3	2x14,4w	198,10	0,50	0,40
470 90 144	Titanium	LED	G-24d-3	2x14,4w	198,10	0,50	0,40

* Supplied in a standard manner with 5400° K lamp

OPTIONS PL LED

IRC / Colour temperature	Ref. 83	Ref. 85
	3000K°	5400°K
PL LED 14,4w	•	•

(*) Made Osram Golden Dragon Plus LED.

Example to write a reference with options

Waterproof Supraducto 1 lamp 26w Electronic ballast

Ref. **469 01 26 84 BE KE**

White 4000°K Kit emergency

Trido

Protection degree IP54

- Material:** Stainless steel sheet and aluminium.
- Optics:** Matt aluminium reflector. It can be supplied with transparent protective glass.
- Supply:** Ballast carrier box for PL-T lamp of 13 up to 18 watts. Optionally supplied with domotics sensors systems. (See the options of the table). Driver supplied for each type of lamp and wattage.
- Lamps:** PL-T lamps of 13 up to 18 watts and LED-lamp Osram Golden Dragon LEDs of 2.4 W, suitable for walking areas, domestic and commercial areas.
- Installation:** Recessed directly for the wall with auxiliary box in order to put in the building site.
- Colours:** Stainless steel



Trido vertical



Includes control gear, glass and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
951 00 13 84	S. steel	PL-T	GX24d-1	13w	99,68	0,25	0,20
951 00 18 84	S. steel	PL-T	GX24d-2	18w	99,70	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

Trido horizontal



Includes control gear, glass and PL lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
952 00 13 84	S. steel	PL-T	GX24d-1	13w	136,35	0,25	0,20
952 00 18 84	S. steel	PL-T	GX24d-2	18w	136,37	0,25	0,20
952 00 26 84	S. steel	PL-T	GX24d-3	26w	136,39	0,25	0,20

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 82	Ref. 83	Ref. 84	Ref. 86
Colour temperature lamp	2700°K	3000°K	4000°K	6500°K
PL-T 13w		•	•	•
PL-T 18w	•	•	•	•

OPTIONS PL LED	Ref. 83	Ref. 85
IRC / Colour temperature	3000K*	5400°K
PL LED 14,4w	•	•

(*) Made Osram Golden Dragon Plus LED.

Rough increase of the control gear		1x13/18/26w
Ref. AF	High factor	€ 2.90
Ref. BE	Electronic ballast	€ 19.00

Rough increase of accessories		€
Ref. WL	Wieland connector	€ 16,30

Trido horizontal 1 LED PL lamp 14,4W

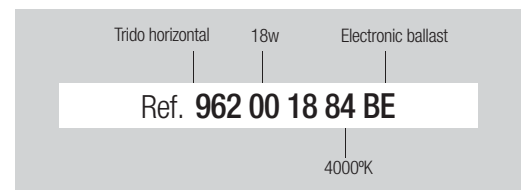


Includes driver and 1 LED lamp 14,4W

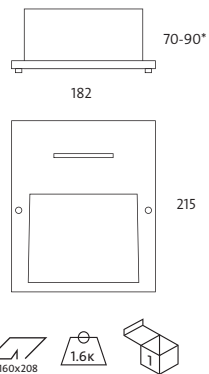
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
952 00 14	S. steel	LED	G-24d-3	1x14,4w	189,90	0,25	0,20

* Supplied in a standard manner with 5400° K lamp

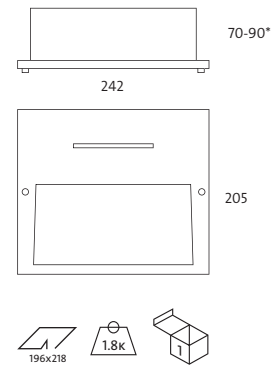
Example to write a reference with options



Trido



* 90mm deep in case of using the auxiliary box to inlay.



* 90mm deep in case of using the auxiliary box to inlay.

Trido vertical LED



Includes driver, protection glass and LED 4,8w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	951 00 05 85	Stainless steel	LED	4x1,2w	188,07	0,25

* Supplied in a standard manner with 5400° K lamp

Trido horizontal LED



Includes driver, protection glass and LED 7,2w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	952 00 07 85	Stainless steel	LED	6x1,2w	234,42	0,25

* Supplied in a standard manner with 5400° K lamp



OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Trido LED 7,2w

Ref. **952 01 07 83**

White 3300°K



Targo

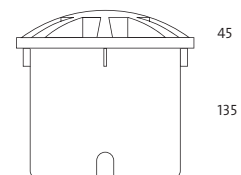
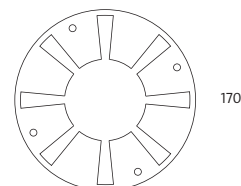
Protection degree IP67

- Material:** Stainless steel finish thermo painted. Body made in injected aluminium and auxiliary PVC box in order to put in the building site.
- Óptica:** Aluminium reflector. It includes tempered protective glass with resistance up to 5000 kg.
- Supply:** Control gear adapted to types of lamps and to the power needed is included.
- Lamps:** Osram Dulux D-10w lamp
- Installation:** Fitting for recessing into the ground with an auxiliary box. It is suitable for delimiting perimeters and access of vehicles/cars.
- Colours:** Metal grey



Includes control gear and lamp Osram DULUX D-10

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
954 58 84	Metal grey	D-10	G24d-1	10w	189,62	0,25 0,20



Winlight

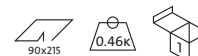
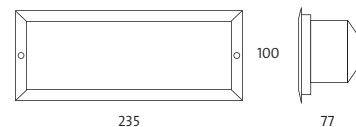
Protection degree IP54

- Material:** Injected aluminium.
- Optics:** Aluminium reflector and opal glass diffuser.
- Supply:** Directly connected to the 220v main, for lampholder E-27. Driver supplied for each type of lamp and wattage.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence up to low consumption and LED-lamp Osram Golden Dragon LEDs of 2.4 W.
- Installation:** Recessed directly for the wall.
- Colours:** White and black.



Whithout lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lamp
E-27 985 01	White	-	E-27	-	22,54	0,25
985 02	Black	-	E-27	-	22,54	0,25



Winlight LED



Includes driver, diffuser and PCB LED 6w

Ref.	Colour	Lamp	W	€	RAEE lamp
LED 985 01 06 85	White	LED	5x1,2w	130,29	0,25
985 02 06 85	Black	LED	5x1,2w	130,29	0,25

* Supplied in a standard manner with 5400° K lamp

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Winlight LED 6w

Ref. 985 01 06 83

White 3300°K

Krups

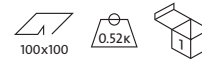
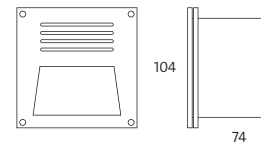
Protection degree IP54

- Material:** Injected aluminium.
- Optics:** Aluminium reflector and protective glass.
- Supply:** Electronic equipment 220v/12v adapted to types of lamps and to the power needed is included.
- Lamps:** It uses 2-pin halogen lamps of 10 and 20w.
- Installation:** Recessed directly for the wall, suitable for delimiting perimeters.
- Colours:** Metal grey.

Includes protection glass and BIPIN HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	lum.
950 58 10	Metal grey	Bipin	G-4	10w	75,45	0,25
950 58 20	Metal grey	Bipin	G-4	20w	75,45	0,25



Flo

Protection degree IP54

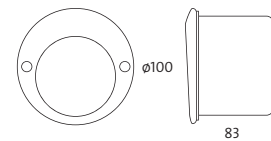
- Material:** Injected aluminium.
- Optics:** Aluminium reflector and protective glass.
- Supply:** Electronic equipment 220v/12v adapted to types of lamps and to the power needed is included.
- Lamps:** It uses 2-pin halogen lamps of 10 and 20w.
- Installation:** Recessed directly for the wall, suitable for delimiting perimeters.
- Colours:** Metal grey.

Flo

Includes protection glass, transformer and BIPIN HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	lum.
949 58 10	Metal grey	Bipin	G-4	10w	75,43	0,25
949 58 20	Metal grey	Bipin	G-4	20w	75,43	0,25

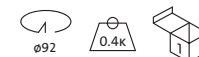
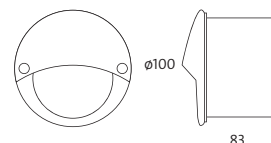


Flo overcast

Includes protection glass, transformer and BIPIN HALOGEN lamp



Ref.	Colour	Lamp	L/H	W	€	lum.
948 58 10	Metal grey	Bipin	G-4	10w	75,41	0,25
948 58 20	Metal grey	Bipin	G-4	20w	75,41	0,25

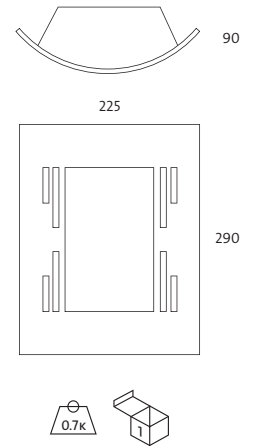




Vanio

Protection degree IP44

- Material:** Injected plastic and stainless steel.
- Optics:** Aluminium reflector and translucent plastic diffuser.
- Supply:** Directly connected to the 220v main, for lampholder E-27.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence up to low consumption.
- Installation:** Directly screw on surface wall (screw not included). It is suitable for terraces and walking areas.
- Colours:** Stainless steel



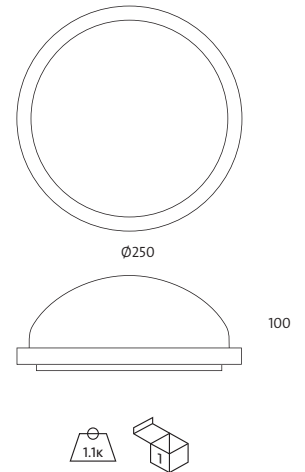
Whithout lamps

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
	940 00	Stainless steel	-	E-27	-	29,77	0,25

Leny

Protection degree IP44

- Material:** Aluminium and stainless steel.
- Optics:** Aluminium reflector and opal glass diffuser.
- Supply:** Directly connected to the 220v main, for lampholder E-27.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence up to low consumption.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for terraces and walking areas.
- Colours:** Stainless steel



Whithout lamps

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
	936 00	Stainless steel	-	E-27	-	29,77	0,25

Leny LED



Includes driver, diffuser and LED 8,4w

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	936 00 08 85	Stainless steel	LED	7x1,2w	168,27	0,25

* Supplied in a standard manner with 5400° K lamp

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options

Leny LED 8,4w

Ref. 936 00 08 86

Inox. 6500°K

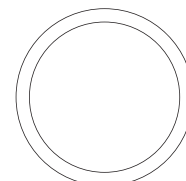


Tortuga

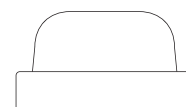
Protection degree IP44

- Material:** Plastic material.
- Optics:** High-resistance opal glass diffuser.
- Supply:** Directly connected to the 220v main, for lampholder E-27.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence up to low consumption.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for terraces and walking areas.
- Colours:** White and black.

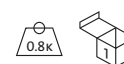
Whithout lamps							
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
E-27	990 01	White	-	E-27	-	7,74	0,25
	990 02	Black	-	E-27	-	7,74	0,25



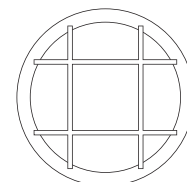
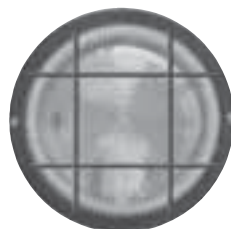
Ø185



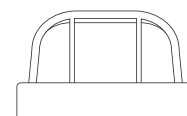
90



Whithout lamps							
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
E-27	991 01	White	-	E-27	-	8,03	0,25
	991 02	Black	-	E-27	-	8,03	0,25



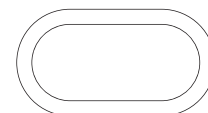
Ø185



100



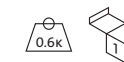
Whithout lamps							
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
E-27	992 01	White	-	E-27	-	6,97	0,25
	992 02	Black	-	E-27	-	6,97	0,25



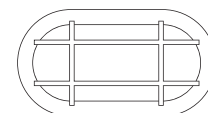
200



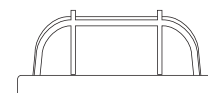
90



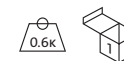
Whithout lamps							
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	
E-27	993 01	White	-	E-27	-	7,23	0,25
	993 02	Black	-	E-27	-	7,23	0,25



200



90



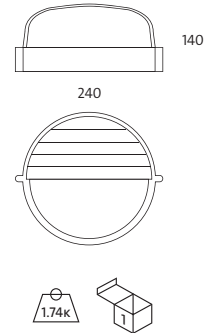
Tresso

Protection degree IP44

- Material:** Aluminium thermo painted.
- Optics:** High-resistance opal glass diffuser.
- Supply:** Directly connected to the 220v main, for lampholder E-27.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence up to low consumption.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for terraces and walking areas.
- Colours:** White and black.

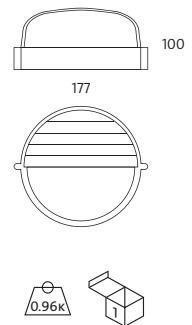
Whithout lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 982 01	White	-	E-27	-	27,62	0,25
982 02	Black	-	E-27	-	27,62	0,25



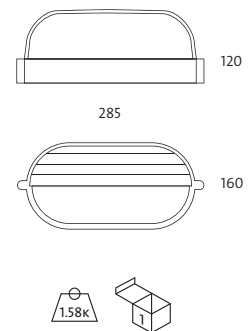
Whithout lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 983 01	White	-	E-27	-	15,83	0,25
983 02	Black	-	E-27	-	15,83	0,25



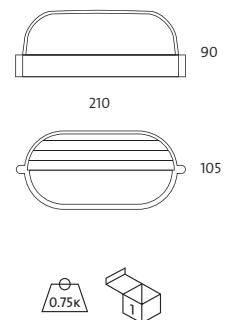
Whithout lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 980 01	White	-	E-27	-	20,15	0,25
980 02	Black	-	E-27	-	20,15	0,25



Whithout lamps

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
E-27 981 01	White	-	E-27	-	15,02	0,25
981 02	Black	-	E-27	-	15,02	0,25



Toscan

Protection degree IP65

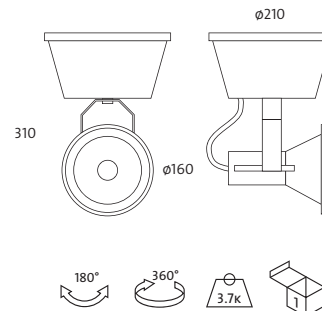
- Material:** Injected aluminium thermo painted.
- Optics:** Aluminium reflector and protective watertight glass
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** Metal halidel lamps HQI of 70w, suitable for commercial and industrial outdoor lighting.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Titanium.

Includes control gear and HQI lamp G12

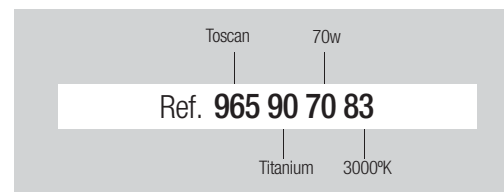
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
965 90 35 84	Titanium	HQI	G-12	35w	244,52	0,50	0,30
965 90 70 84	Titanium	HQI	G-12	70w	244,52	0,50	0,30
965 90 15 84	Titanium	HQI	G-12	150w	244,52	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
HQI 35w	•	•
HQI 70w	•	•
HQI 150w	•	•



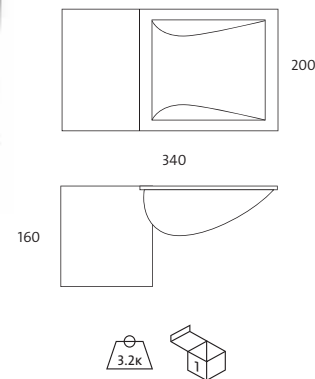
Example to write a reference with options



Kalos

Protection degree IP65

- Material:** Injected aluminium thermo painted.
- Optics:** Aluminium reflector and protective watertight glass.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** Metal halidel lamps HQI of 70w, suitable for commercial and industrial outdoor lighting.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Titanium.



Kalos HQI

Includes electronic transformers and HQI lamp

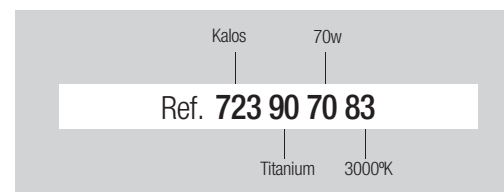
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
723 90 70 84	Titanium	linear HQI	RX7s	70w	269,83	0,50	0,30
723 90 15 84	Titanium	linear HQI	RX7s	150w	278,34	0,50	0,30

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000K°	4200°K
linear HQI 70w	•	•
linear HQI 150w	•	•

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Example to write a reference with options



Kalos LED



Includes driver and PCB LED 33,6w

Ref.	Colour	Lamp	W	€	RAEE lum.
3203 90 83	Titanium	LED warm	14x2,4w	410,55	0,50
3203 90 86	Titanium	LED cold	14x2,4w	411,48	0,50

* Supplied in a standard manner with lamp 5400° K lamp



Sinvo

Protection degree IP54

- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** Metal halidel lamps HQI of 70 and 150w, suitable for commercial and industrial outdoor lighting.
- Installation:** Directly screw on wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Black.



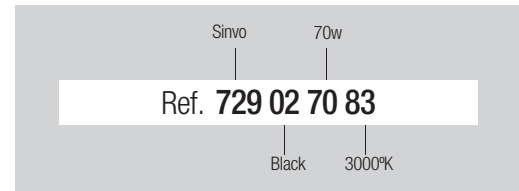
Includes electronic transformers and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
729 02 70 84	Black	linear HQI	RX7s	70w	242,02	0,70	0,30
729 02 15 84	Black	linear HQI	RX7s	150w	246,99	0,70	0,30

* Supplied in a standard manner with 4200° K lamp

OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
linear HQI 70w	•	•
linear HQI 150w	•	•

Example to write a reference with options



Sinvo LED

Protection degree IP54



- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Driver adapted to the type of lamp and to the power needed is included.
- Lamps:** LED PCB 9 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Installation:** Directly screw on wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Black.

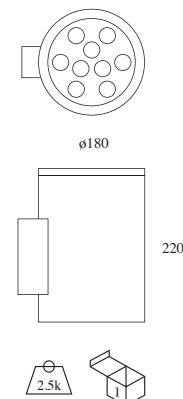


Includes driver and PCB LED 21,6w / 1620 lumens

LED	Ref.	Colour	Lamp	W	€	RAEE lum.
	3198 00 83	Black	LED warm	21,6w	349,58	0,50
	3198 00 86	Black	LED cold	21,6w	345,35	0,50

* Supplied in a standard manner with 5400° K lamp

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Bistro

Protection degree IP65

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** It uses 2 halogen lamps of 35w maximum and LED lamps.
- Installation:** Directly screw on wall (screw not included).
- Colours:** Titanium.



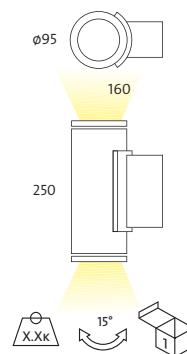
Bistro

Includes electronic transformers and DICHROIC HALOGEN lamps

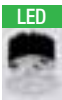


Ref.	Colour	Lamp	L/H	W	€	RAEE lum.
1016 90 35	Titanium	12v50w	GU5.3	2x35w	222,94	0,25

* Supplied in a standard manner with 36° opening lamp



Bistro LED



Includes driver and lamps LED

Ref.	Colour	Lamp	W	€	RAEE lum. lamp
1016 90 09 84	Stainless steel	LED	7,2w	305,70	0,25 0,20

* Supplied in a standard manner with 5400° K lamp



Includes driver and lamps MR16 LED RGB

Ref.	Colour	Lamp	W	€	RAEE lum. lamp
1016 90 03	Stainless steel	LED	3w	325,73	0,25 0,20



Rough increase of accesories

Ref.	Controller MR16 LED RGB lamp	€
3080		6,60

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°.

Example to write a reference with options

Bistro LED	9W
Ref. 1016 90 09 84	
Titanium	4000°K

Bistro / Tenko LED / Bruken / Bruken LED

Bruken

Protection degree IP65

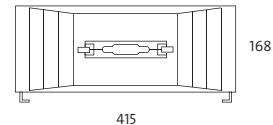
- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** Lineal metal halidel lamps HQI of 70 and 150w, suitable for commercial and industrial outdoor lighting.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Titanium.



Includes electronic transformers and HQI lamp

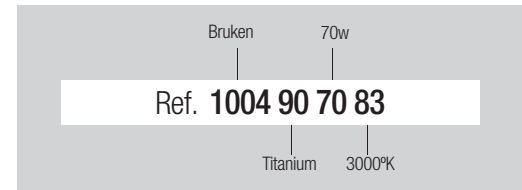
Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
1004 90 70 84	Titanium	linear HQI	RX7s	70w	398,19	0,70	0,30
1004 90 15 84	Titanium	linear HQI	RX7s	150w	423,02	0,70	0,30

* Supplied in a standard manner with 4200° K lamp



OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
linear HQI 70w	•	•
linear HQI 150w	•	•

Example to write a reference with options



Bruken LED

Protection degree IP65



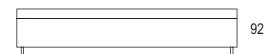
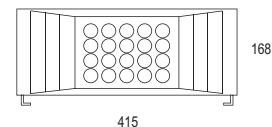
- Material:** Injected aluminium thermo painted.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED-lamp pad with 20 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Installation:** Directly screw on ceiling or wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Titanium.



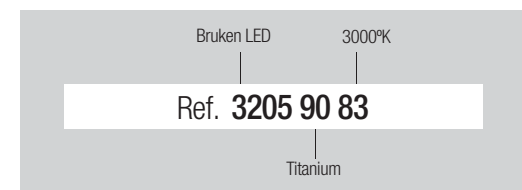
Includes driver and PCB LED 48w

Ref.	Colour	Lamp	W	€	RAEE lum.
3205 90 83	Titanium	LED warm	48w	613,46	0,50
3205 90 86	Titanium	LED cold	48w	616,76	0,50

* Supplied in a standard manner with lamp 5400° K lamp



Example to write a reference with options



OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•



Prabaco

Protection degree IP65

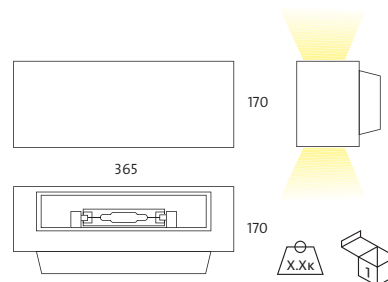
- Material:** Injected aluminium thermo painted.
- Optics:** Symmetric aluminium reflector and protective watertight glass
- Supply:** Electronic equipment adapted to the type of lamp and to the power needed is included.
- Lamps:** Metal halidel lamps HQI of 70 and 150w, suitable for commercial and industrial outdoor lighting.
- Installation:** Directly screw on wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Titanium.



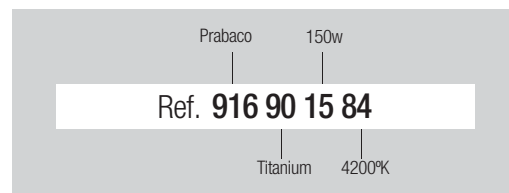
Includes electronic transformers and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum.	lamp
916 90 70 84	Titanium	linear HQI	RX7s	70w	393,15	0,70	0,30
916 90 15 84	Titanium	linear HQI	RX7s	150w	417,04	0,70	0,30

* Supplied in a standard manner with 4200° K lamp



Example to write a reference with options



OPTIONS	Ref. 83	Ref. 84
Colour temperature	3000°K	4200°K
linear HQI 70w	•	•
linear HQI 150w	•	•

Prabaco LED

Protection degree IP65



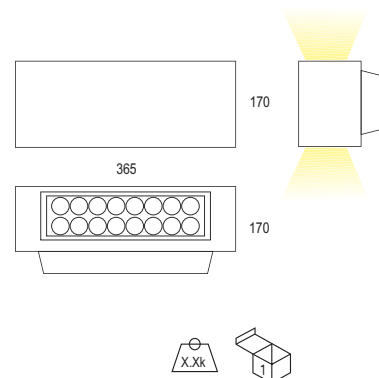
- Material:** Injected aluminium thermo painted.
- Optics:** Extensive optics 37° Ledil (Finland), built in LED lamps. Includes protection glass.
- Supply:** Driver supplied for each type of lamp and wattage.
- Lamps:** LED-lamp pad with 16 Osram Golden Dragon LEDs of 2.4 W. Recommended for domestic, commercial and industrial use.
- Installation:** Directly screw on ceiling or wall (screw not included). It is suitable for outdoor lighting in facades.
- Colours:** Titanium.



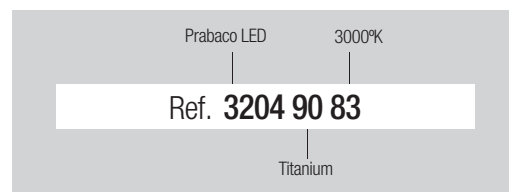
Includes driver and PCB LED 76,8w

Ref.	Colour	Lamp	W	€	RAEE lum.
3204 90 83	Titanium	LED warm	76,8w	706,78	0,50
3204 90 86	Titanium	LED cold	76,8w	710,49	0,50

* Supplied in a standard manner with lamp 5400° K lamp



Example to write a reference with options

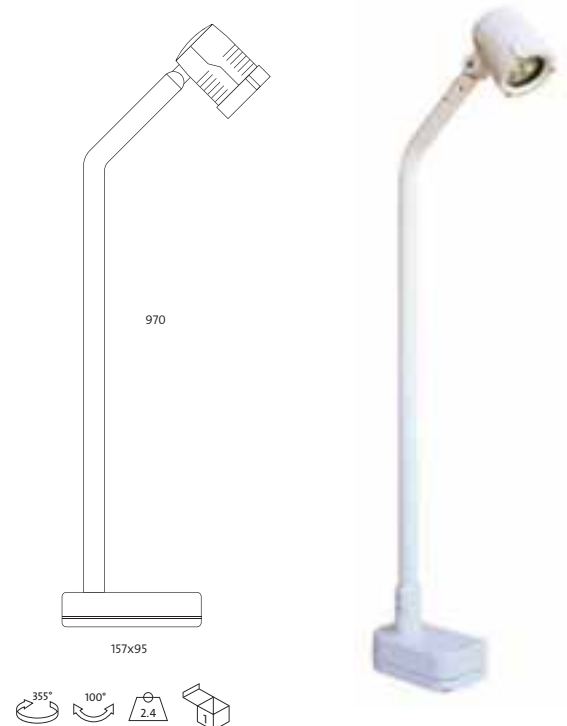


OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Oper

Protection degree IP55

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** It uses halogen lamps of 50w maximum.
- Installation:** Directly screw on ground (screw not included) or install with the lamp support.
- Colours:** White, black and titanium.



Oper

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
961 01 50	White	12v50w	GU5.3	50w	153,88	0,25	0,25
961 02 50	Black	12v50w	GU5.3	50w	158,20	0,25	0,25
961 90 50	Titanium	12v50w	GU5.3	50w	158,20	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5w

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
961 01 05	White	LED	GU5.3	5w	198,48	0,25	0,20
961 02 05	Black	LED	GU5.3	5w	202,80	0,25	0,20
961 90 05	Titanium	LED	GU5.3	5w	202,80	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Oper grounded support

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
963 01 50	White	12v50w	GU5.3	50w	183,03	0,25	0,25
963 02 50	Black	12v50w	GU5.3	50w	187,35	0,25	0,25
963 90 50	Titanium	12v50w	GU5.3	50w	187,35	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5w

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
963 01 05	White	LED	GU5.3	5w	227,60	0,25	0,20
963 02 05	Black	LED	GU5.3	5w	231,95	0,25	0,20
963 90 05	Titanium	LED	GU5.3	5w	231,95	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Oper 1 meter

Includes electronic transformers and DICHROIC HALOGEN lamp

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
962 01 50	White	12v50w	GU5.3	50w	211,97	0,25	0,25
962 02 50	Black	12v50w	GU5.3	50w	216,19	0,25	0,25
962 90 50	Titanium	12v50w	GU5.3	50w	216,19	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5w

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
962 01 05	White	LED	GU5.3	5w	256,50	0,25	0,20
962 02 05	Black	LED	GU5.3	5w	260,79	0,25	0,20
962 90 05	Titanium	LED	GU5.3	5w	260,79	0,25	0,20

* Supplied in a standard manner with 3100° K lamp

Oper 1 meter grounded support

Includes electronic transformers and DICHROIC HALOGEN lamp

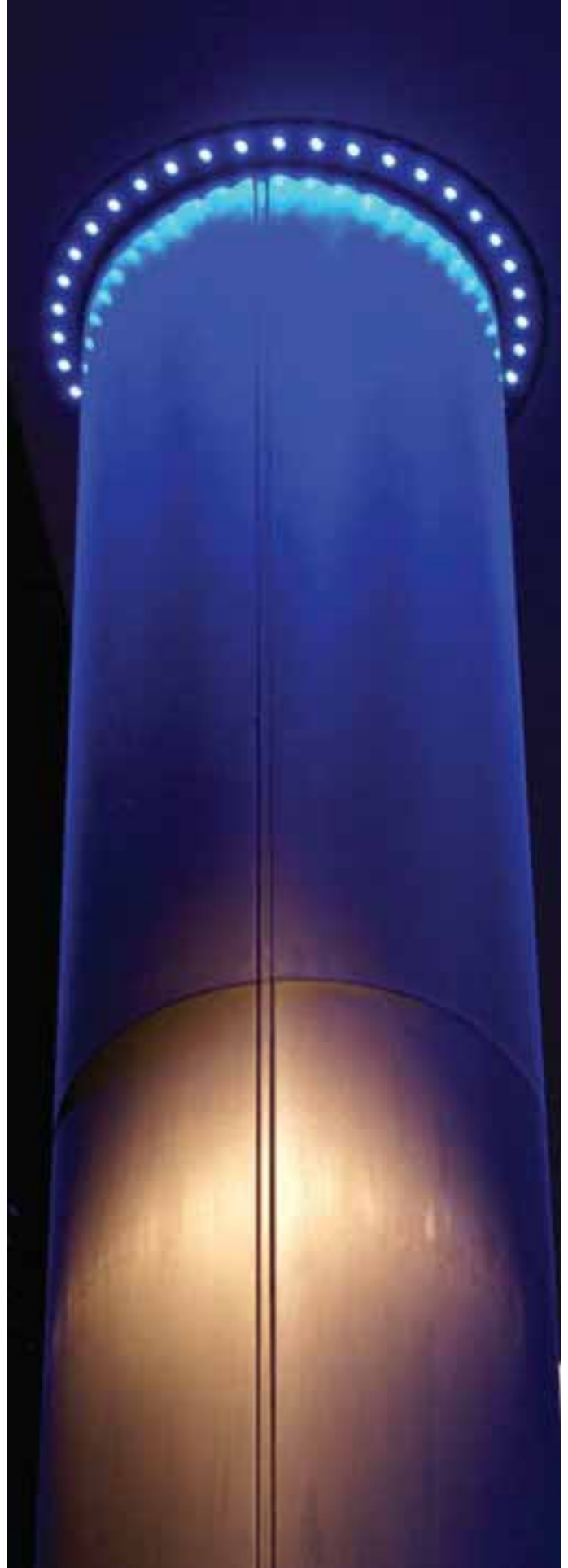
Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
964 01 50	White	12v50w	GU5.3	50w	241,02	0,25	0,25
964 02 50	Black	12v50w	GU5.3	50w	245,34	0,25	0,25
964 90 50	Titanium	12v50w	GU5.3	50w	245,34	0,25	0,25

* Supplied in a standard manner with 36° opening lamp

Includes driver and LED lamp 5w

Ref.	Colour	Lamp	L/H	W	€	lum.	RAEE lum.
964 01 05	White	LED	GU5.3	5w	285,60	0,25	0,20
964 02 05	Black	LED	GU5.3	5w	289,90	0,25	0,20
964 90 05	Titanium	LED	GU5.3	5w	289,90	0,25	0,20

* Supplied in a standard manner with 3100° K lamp



Vercor

Protection degree IP68

- Material:** Stainless steel
- Optics:** Optics incorporated in the lamps.
- Supply:** Power strip for groups of maximum 10 units (Ref. 3065) not included. Emergency kit for 50 units with 5 meter cable with autonomy of 3 hours (Ref. 3064) not included.
- Lamps:** LED lamps, composed by 1 miniprojectors, white, red or blue colour light.
- Installation:** Fitting for recessing into the ground, ceiling, wall or stairways.
- Colours:** Stainless steel

Includes driver and 1 LED miniprojector

LED	Ref.	Lamp	Colour LED	W	€	RAEE lum.
	1005 00 W	LED	White	1w	23,56	0,25
	1005 00 R	LED	Red	1w	24,98	0,25
	1005 00 B	LED	Blue	1w	24,27	0,25

Vercor RGB

Protection degree IP68

- Material:** Stainless steel
- Optics:** Optics incorporated in the lamps.
- Supply:** Power strip for groups of maximum 10 units (Ref. 3065) not included RGB controller that changes colours gradually.
- Lamps:** LED lamps, composed by 1 miniprojectors, white, red or blue colour light.
- Installation:** Fitting for recessing into the ground, ceiling, wall or stairways.
- Colours:** Stainless steel.

Includes driver and un LED miniprojector

LED	Ref.	Lamp	Colour LED	W	€	RAEE lum.
	1006 00	LED	RGB	1w	24,84	0,25



Rough increase of accesories		€
Ref. 3065	Regleta de connection	34,00

* Each strip connects to a maximum of 10 miniprojector.



Rough increase of accesories		€
Ref. 3066	Controller RGB	39,00

* Each controller controls up to 10 projectors.



Rough increase of accesories		€
Ref. 3064	Emergency kit Vercor	219,90

* Each emergency kit is for a maximum of 50 miniprojector

Vercor 10

Protection degree IP68

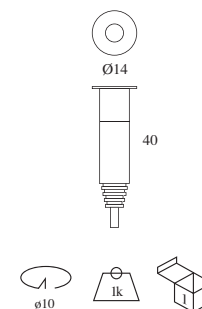
- Material:** Stainless steel
- Optics:** Optics incorporated in the lamps.
- Supply:** Power strip for groups of maximum 10 units (Ref. 3065) . Emergency kit for 50 units with 5 meter cable with autonomy of 3 hours (Ref. 3064) not included.
- Lamps:** LED lamps, composed by 10 miniprojectors, white, red or blue colour light.
- Installation:** Fitting for recessing into the ground, ceiling, wall or stairways.
- Colours:** Stainless steel

Includes supply, driver and 10 LED miniprojectors

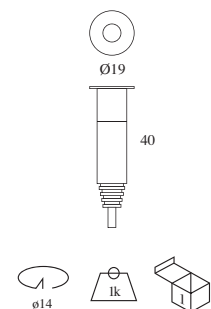
LED	Ref.	Lamp	Colour LED	W	€	RAEE lum.
	1007 00 W	10xLED	White	10x1w	253,60	0,25
	1007 00 R	10xLED	Red	10x1w	255,96	0,25
	1007 00 B	10xLED	Blue	10x1w	254,78	0,25

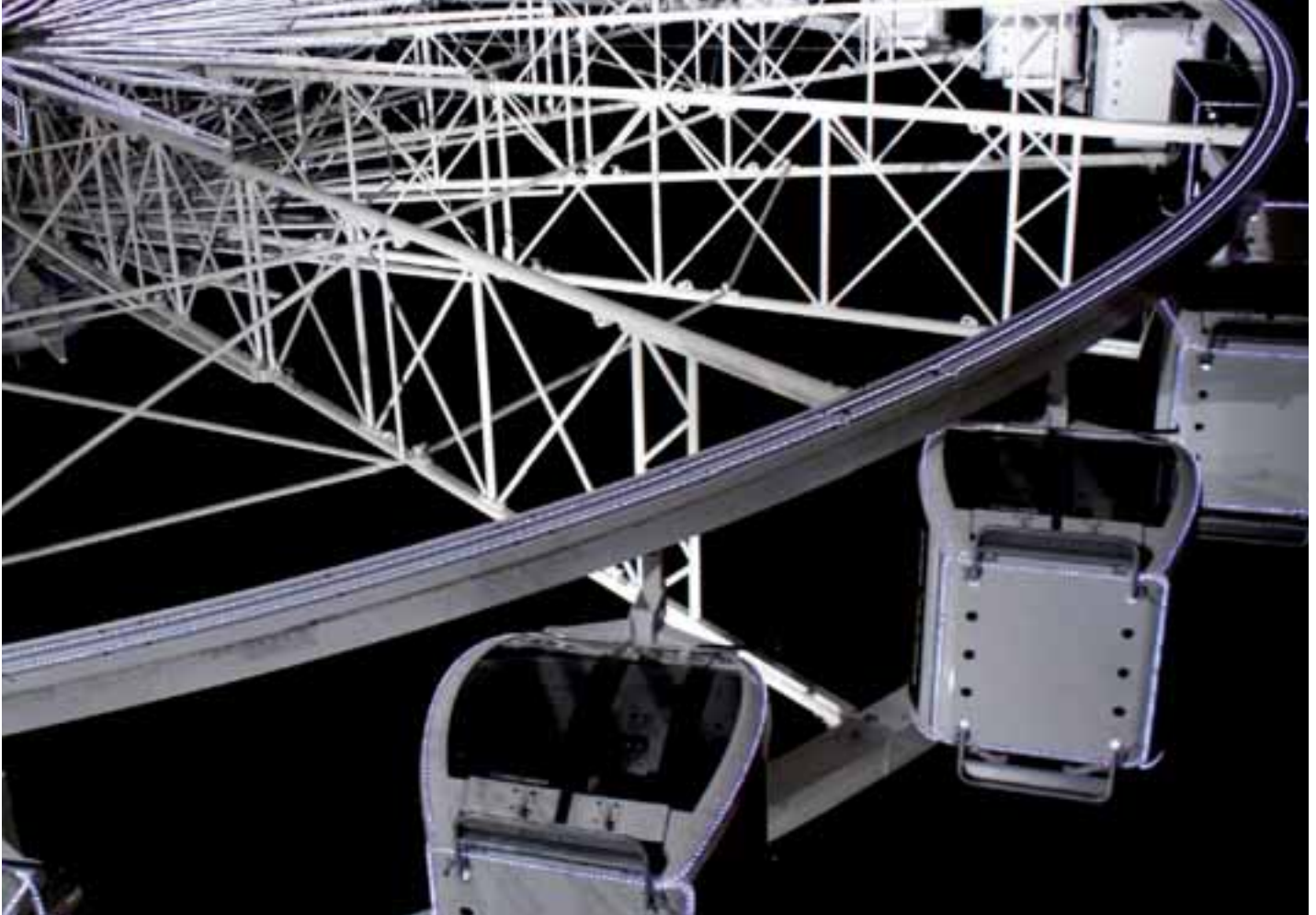


VERCOR



VERCOR RGB





Cambo Flexible Strip

Protection degree IP65

- Material:** Flexible plastic support.
- Optics:** Built-in-lamp optics.
- Supply:** 12V / 24V electronic equipment with direct power and 400 / 600 / 1200 mA according to each model (not included).
- Lamps:** Flexible LED strips composed by 60 x 0,08 / 0,24w leds per meter. In white, warm 3000k° or cold 6500°.
RGB flexible strip composed by 30 x 0,24w and 60 x 0,24w LED per meter.
- Installation:** Back side of the strip contains 3M adhesive to install directly on brackets where light needs to be adapted to irregular shaped, luminated sings, etc.
The CAMBO flexible strips offer the possibility of being connected to each other through connectors. They are also divisible in stretch of 3 leds, cut must be done on spots fitted for that purpose (every 5 cm in the 8 mm strip and every 10 cm in the 10 mm strip).



5000 mm



* The flexible strip is totally isolated with silicone in its whole length and not only over the LEDs, which guarantees the IP65 isolation.

* Stretch shorter than 5 meters are also available to be supplied optionally with connections.

Cambo Flexible Strip IP65

5 meters roll of IP 65 cold white 6500 K°, 24W / 1300 lumens

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2012 01 86	10mm	LED 0,08w	60	300	each 5 cm	○	24w	12V DC	400 mA	145,72

5 meters roll of IP 65 warm white 3000 K°, 24W / 710 lumens

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2012 01 83	10mm	LED 0,08w	60	300	each 5 cm	○	24w	12V DC	400 mA	145,72

5 meters roll of IP 65 cold white 6500 K°, 36W / 1850 lumens

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2013 01 86	14mm	LED 0,24w	30	150	each 10 cm	○	36w	12V DC	600 mA	195,50

5 meters roll of IP 65 warm white 3000 K°, 36W / 1250 lumens

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2013 01 83	14mm	LED 0,24w	30	150	each 10 cm	○	36w	12V DC	600 mA	195,50

5 meters roll of IP 65 cold white 6500 K°, 72W / 3600 lumens

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2014 01 86	14mm	LED 0,24w	60	300	each 10 cm	○	72w	12V DC	1200 mA	293,44

5 meters roll of IP 65 warm white 3000 K°, 72W / 2880 lumens

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2014 01 83	14mm	LED 0,24w	60	300	each 10 cm	○	72w	12V DC	1200 mA	293,44

5 meters roll of IP 65 RGB, 36W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2015 01	14mm	LED 0,24w	30	150	each 20 cm	●●●	36w	12V DC	600 mA	213,70

5 meters roll of IP 65 RGB, 72W

Ref.	Wide	Lamp	LED/meter	LED/roll	Divisible	Colour LED	W	Voltage	Power/meter	€
2016 01	14mm	LED 0,24w	60	300	each 5 cm	●●●	72w	12V DC	1200 mA	325,34



IP65 Connectors



Wire connector and supply IP65.
Para 24,36 and 72w .

Ref.	€
2026	7,54

Intermediate connection IP65. 24W.
Para 24,36 and 72w .

Ref.	€
2027	7,51



Connection kit IP65, RGB.

Ref.	€
2029	9,52

Drivers 12V IP65



Driver IP65 LED max. 12V DC 30W

Ref.	Measures	€
2080	220x30x20	42,45



Driver IP65 LED max. 12V DC 60W

Ref.	Measures	€
2081	190x70x50	76,47

* Las tiras flexibles con IP65 también pueden utilizar los driver con IP20, cuando estos no este expuestos a la intemperie.



Driver regulable IP65 1-10V o señal PWM, para flexible strip.

Ref.	Measures	W	€
3280 30	145x47x30mm	hasta 30w	72,12
3280 40	163x47x32mm	hasta 40w	111,42
3280 12	200x70x40mm	hasta 120w	238,05
3280 15	205x70x40mm	hasta 150w	254,70

Driver IP65 LED max. 12V DC 100W

Ref.	Measures	€
2082	240x70x50	139,25

Driver IP65 LED max. 12V DC 150W

Ref.	Measures	€
2083	240x68x55	158,72

Controller RGB

Description: RGB controller is a device ready to control the RGB products in low voltage. Stores and carries out up to 11 different standards of color. Pressing the "mode" button, allows to choose the desirable color, and pressing the "speed" button allows to change the speed the model is working at.

Temperatura: -20-60°C

Voltage: 12V DC (corriente continua). Do not connet under no premises to 24V DC or 220V AC.

Ouput: 3 CMOS (Complementary metal oxide semiconductor)

Connection: Common anode.



Controller RGB.

Ref.	Measures	weight	Voltage	€
2060	105x75x29	120g	12V DC	102,79

* Un Controller RGB puede regular un máximo de 10 metros de LED strip.

Controller RGB with remote control

Description: RGB controller is a device ready to control the RGB products in low voltage. Stores and carries out up to 11 different standards of color. Use PWM (Pulse Width Modulation) which allows it to control the standard or the speed of color , being to fix the parameter in the regulator by pressing "mode" or "speed" buttons.

Temperatura: -20-60°C

Voltage: 12V DC (corriente continua). Do not connet under no premises to 24V DC or 220V AC.

Ouput: 3 CMOS (Complementary metal oxide semiconductor)

Connection: Common anode.



Controller RGB with remote control

Ref.	Measures	weight	Voltage	€
2061	95x65x25	250g	12V DC	125,76

Accesories



Aluminium warm dissipator sheet.

When the led strip is installed on no heat dissipator materials, like glass or wood, it is recommended to use an aluminium sheet to reduce the temperature of the led.

Ref.	Measures	€
2088	10x1000x2mm	8,29



RGB sign amplifier for IP 20

Ref.	measures	€
2089	110x65x30	57,68

Gor

Protection degree IP44

- Material:** Injected aluminium thermo painted.
- Optics:** Grid diffuser that prevents the dazzling light and shines the light on the ground.
- Supply:** Directly connected to the 220v main
- Lamps:** It uses all kinds of lamps for E-27 (from incandescence up to low consumption) and PL-C lamps of 13, 18 and 26 watts.
- Installation:** Directly screw on ground (screw not included). It is suitable for outdoor lighting in garden areas or delimiting perimeters and access.
- Colours:** Black.

Gor / Gor PL-C

Includes control gear and PL -C lamp.

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	968 02	Black	-	E-27	-	123,45	0,50	-
	968 02 13 84	Black	PL-C	G24q-1	13w	140,75	0,50	0,20
	968 02 18 84	Black	PL-C	G24q-2	18w	140,76	0,50	0,20
	968 02 26 84	Black	PL-C	G24q-3	26w	140,76	0,50	0,20

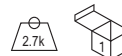
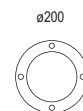
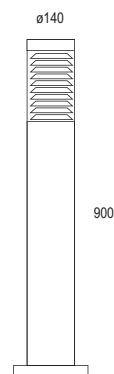
Gor LED

Includes driver and LED lamp de 7,2w

LED	Ref.	Colour	Lamp	W	€	RAEE
						lum.
	968 02 09 85	Black	LED	7,2w	168,90	0,25

* Supplied in a standard manner with 5400° K lamp

OPTIONS LED 7,2w	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
LED Osram Dragon - X	•	•	•



Example to write a reference with options

Gor 13W
 | |
Ref. 968 02 13 84
 | |
 Black 4000°K

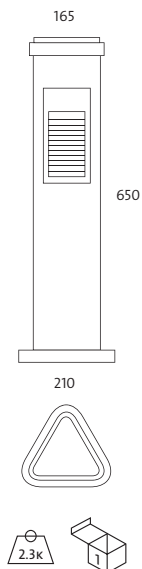
Trema

Protection degree IP54

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipment is included in the luminary.
- Lamps:** LED lamp, composed by 42 LED of 1w each, white colour light.
- Installation:** Directly screw on ground (screw not included). It is suitable for outdoor lighting in garden areas or delimiting perimeters and access.
- Colours:** Titanium.

LED Includes driver and PCB LED 42w

Ref.	Colour	Lamp	Colour LED	W	€	RAEE lum.
966 90	Titanium	LED 42x1w	○	42w	205,79	0,50



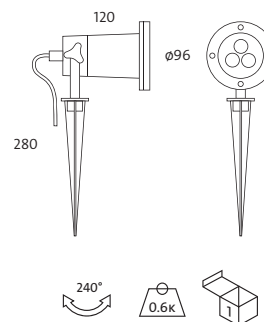
Croled

Protection degree IP68

- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Electronic equipment is included in the luminary.
- Lamps:** LED lamp, composed by 3 LED of 1w each, white colour light.
- Installation:** Directly on the ground with the lamp support. It is suitable for outdoor lighting in garden areas.
- Colours:** Black.

LED Includes driver and LED lamp 3w

Ref.	Colour	Lamp	Colour LED	W	€	RAEE lum.
967 02	Black	LED 3x1w	○	3w	127,97	0,25







Cubic

Protection degree IP64

- Material:** Round-forming polyethylene.
Optics: Backlighted volume, the whole luminary behaves like a diffuser.
Supply: Directly connected to the 220v main. Driver suitable for the lamp and the power are included.
Lamps: It uses all kinds of lamps for E-27 (from incandescence up to low consumption) and PL-C lamps of 20 watts. LED Flexible Strip IP65 Cambo.
Installation: Directly on ground, screw on surface ceiling or wall (screw not included) or suspension.
Colours: White, yellow, orange and green.



Cubic Ground

Includes E-27 lamp 20w

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	2000 01 13	White	PL-C	E-27	20w	121,02	0,50	0,20
	2000 09 13	Green	PL-C	E-27	20w	133,12	0,50	0,20
	2000 12 13	Yellow	PL-C	E-27	20w	133,12	0,50	0,20
	2000 13 13	Orange	PL-C	E-27	20w	133,12	0,50	0,20

* Supplied in a standard manner with E-27/20w
 * Supplied in a standard manner with 4200° K lamp

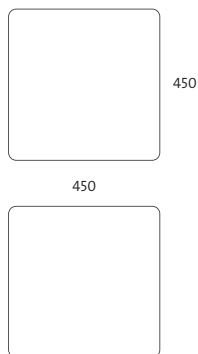
Includes driver and LED strip 15w

LED	Ref.	Colour	Lamp	W	€	RAEE	
						lum.	lamp
	2000 01 15	White	LED	15w	287,16	0,50	
	2000 09 15	Green	LED	15w	287,16	0,50	
	2000 12 15	Yellow	LED	15w	287,16	0,50	
	2000 13 15	Orange	LED	15w	287,16	0,50	

* Supplied in a standard manner with 6500° K lamp



Ref. 2061
RGB Remote controller



Rough increase of accessories

Ref.	Accessories	€
Ref. 2061	RGB LED and remote controller	122,10

OPTIONS LED	Ref. 83	Ref. 86
IRC / Colour temperature	3000K°	6500°K
LED strip	•	•

Cubic Suspension

Includes E-27 lamp 20w

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	2100 01 13	White	PL-C	E-27	20w	161,52	0,50	0,20
	2100 09 13	Green	PL-C	E-27	20w	171,62	0,50	0,20
	2100 12 13	Yellow	PL-C	E-27	20w	171,62	0,50	0,20
	2100 13 13	Orange	PL-C	E-27	20w	171,62	0,50	0,20

* Supplied in a standard manner with E-27/20w
 * Supplied in a standard manner with 4200° K lamp

Includes driver and LED strip 15w

LED	Ref.	Colour	Lamp	W	€	RAEE	
						lum.	lamp
	2100 01 15	White	LED	15w	328,66	0,50	
	2100 09 15	Green	LED	15w	328,66	0,50	
	2100 12 15	Yellow	LED	15w	328,66	0,50	
	2100 13 15	Orange	LED	15w	328,66	0,50	

* Supplied in a standard manner with 6500° K lamp

Cubic Surface

Includes E-27 lamp 20w

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	2101 01 13	White	PL-C	E-27	20w	151,10	0,50	0,20
	2101 09 13	Green	PL-C	E-27	20w	164,60	0,50	0,20
	2101 12 13	Yellow	PL-C	E-27	20w	164,60	0,50	0,20
	2101 13 13	Orange	PL-C	E-27	20w	164,60	0,50	0,20

* Supplied in a standard manner with E-27/20w
 * Supplied in a standard manner with 4200° K lamp

Includes driver and LED strip 15w

LED	Ref.	Colour	Lamp	W	€	RAEE	
						lum.	lamp
	2101 01 15	White	LED	15w	219,40	0,50	
	2101 09 15	Green	LED	15w	219,40	0,50	
	2101 12 15	Yellow	LED	15w	219,40	0,50	
	2101 13 15	Orange	LED	15w	219,40	0,50	

* Supplied in a standard manner with 6500° K lamp



Tubic

Protection degree IP64

- Material:** Round-forming polyethylene.
- Optics:** Backlighted volume, the whole luminary behaves like a diffuser.
- Supply:** Directly connected to the 220v main. Driver suitable for the lamp and the power are included.
- Lamps:** It uses all kinds of lamps for E-27 (from incandescence up to low consumption) and PL-C lamps of 20 watts. LED Flexible Strip IP65 Cambo.
- Installation:** Directly on ground. It is suitable for outdoor lighting in garden areas or delimiting perimeters and access.
- Colours:** White, yellow, orange and green.

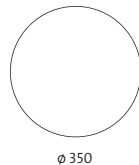


Tubic PL-C

Includes E-27 lamp 20w

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum.	lamp
E-27 2001 01 13	White	PL-C	E-27	20w	135,96	0,50	0,20
2001 09 13	Green	PL-C	E-27	20w	148,32	0,50	0,20
2001 12 13	Yellow	PL-C	E-27	20w	148,32	0,50	0,20
2001 13 13	Orange	PL-C	E-27	20w	148,32	0,50	0,20

* Supplied in a standard manner with E-27/20w
 * Supplied in a standard manner with 4200° K lamp



Tubic LED

Includes driver and LED strip 20w

Ref.	Colour	Lamp	W	€	RAEE	
					lum.	lamp
LED 2001 01 20	White	LED	20w	299,31	0,50	
2001 09 20	Green	LED	20w	299,31	0,50	
2001 12 20	Yellow	LED	20w	299,31	0,50	
2001 13 20	Orange	LED	20w	299,31	0,50	

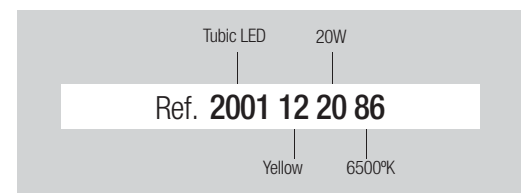
* Supplied in a standard manner with 6500° K lamp

Rough increase of accessories

Ref.	€
2061 RGB LED and remote controller	122,10

OPTIONS LED	Ref. 83	Ref. 86
IRC / Colour temperature	3000K°	6500°K
LED strip	•	•

Example to write a reference with options



Naya

Protection degree **IP64**

- Material:** Round-forming polyethylene.
- Optics:** Backlighted volume, the whole luminary behaves like a diffuser.
- Supply:** Directly connected to the 220v main. Driver suitable for the lamp and the power are included.
- Lamps:** It uses all kinds of lamps for E-27 (from incandescence up to low consumption) and PL-C lamps of 20 watts. LED Flexible Strip IP65 Cambo.
- Installation:** Directly on ground. It is suitable for outdoor lighting in garden areas or delimiting perimeters and access.
- Colours:** White, yellow, orange and green.



Naya PL-C

Includes E-27 lamp 20w

E-27	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	2003 01 13	White	PL-C	E-27	20w	194,05	0,50	0,20
	2003 09 13	Green	PL-C	E-27	20w	213,45	0,50	0,20
	2003 12 13	Yellow	PL-C	E-27	20w	213,45	0,50	0,20
	2003 13 13	Orange	PL-C	E-27	20w	213,45	0,50	0,20

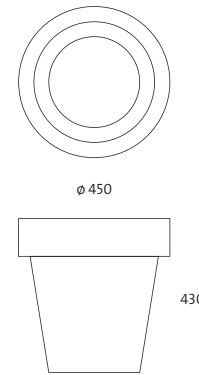
* Supplied in a standard manner with E-27/20w
 * Supplied in a standard manner with 4200° K lamp

Naya LED

Includes driver and LED strip 15w

LED	Ref.	Colour	Lamp	W	€	RAEE	
						lum.	
	2003 01 15	White	LED	15w	319,60	0,50	
	2003 09 15	Green	LED	15w	319,60	0,50	
	2003 12 15	Yellow	LED	15w	319,60	0,50	
	2003 13 15	Orange	LED	15w	319,60	0,50	

* Supplied in a standard manner with 6500° K lamp

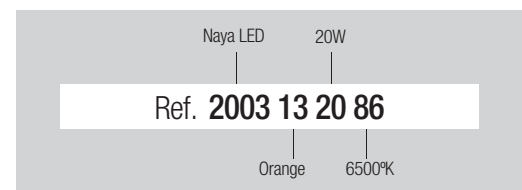


Rough increase of accessories		€
Ref. 2061	RGB LED and remote controller	122,10
OPTIONS LED-111	Ref. 83	Ref. 86
IRC / Colour temperature	3000K°	6500°K
LED strip	•	•



Ref. 2061
RGB Remote controller

Example to write a reference with options



Telma

Protection degree IP64

- Material:** Round-forming polyethylene.
- Optics:** Backlighting volume, the whole luminaire behaves like a diffuser.
- Supply:** Electronic ballast is included. Driver suitable for the lamp and the power are included.
- Lamps:** Fluorescent ultraslim T5 tubes of diameter 16 mm, supplied with 840 lamps (colour temperature: 4000°k). LED Flexible Strip IP65 Cambo.
- Installation:** Directly on ground. It is suitable for outdoor lighting in garden areas or delimiting perimeters and access.
- Colours:** White, yellow, orange and green



Telma T5

Includes electronic ballast and T5 lamp 35w

G5	Ref.	Colour	Lamp	L/H	W	€	RAEE	
							lum.	lamp
	2002 01 35	White	T5	G5	35w	590,80	0,70	0,30
	2002 09 35	Green	T5	G5	35w	590,80	0,70	0,30
	2002 12 35	Yellow	T5	G5	35w	590,80	0,70	0,30
	2002 13 35	Orange	T5	G5	35w	590,80	0,70	0,30

* Supplied in a standard manner with 4200° K lamp

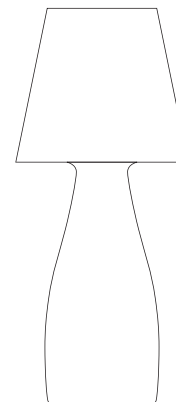
Telma LED

Includes driver and LED strip 30w

LED	Ref.	Colour	Lamp	W	€	RAEE	
						lum.	lamp
	2002 01 30	White	LED	30w	880,20	0,50	
	2002 09 30	Green	LED	30w	880,20	0,50	
	2002 12 30	Yellow	LED	30w	880,20	0,50	
	2002 13 30	Orange	LED	30w	880,20	0,50	

* Supplied in a standard manner with 6500° K lamp

∅ 750



1800

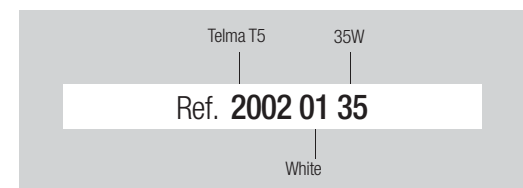


Ref. 2061
RGB Remote controller

Rough increase of accessories		€
Ref. 2061	RGB LED and remote controller	122,10

OPTIONS LED-111	Ref. 83	Ref. 86
IRC / Colour temperature	3000K°	6500°K
LED strip	•	•

Example to write a reference with options



Street

lighting

Price list

Street lamps

432

Street lamp posts





Street luminaires



Dural **436**



Ura LED **438**
Ura **440**
Hemera **442**



Regal LED **444**
Regal **446**
Monar **448**



Ecodut LED **450**
Ecodut **451**



Ripa LED **454**
Ripa **455**

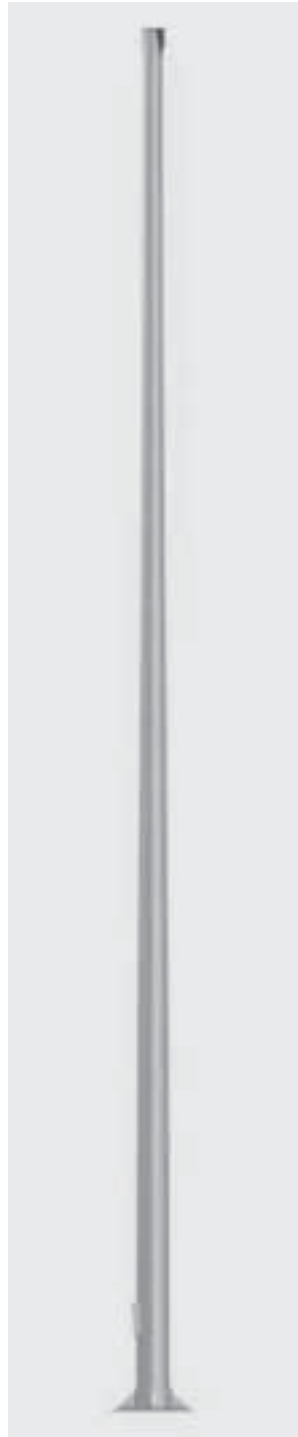


Ray ben LED **456**
Ray ben **457**

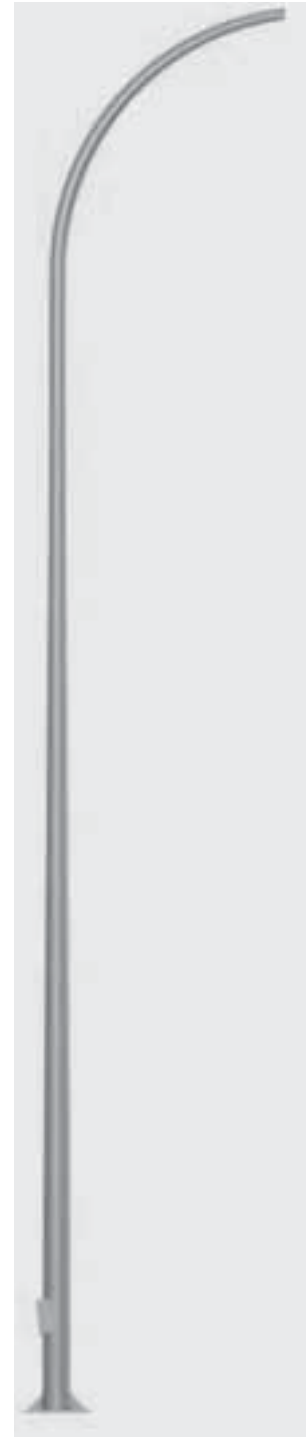
Street lamp posts



Corde lamppost 459



Vaus lamppost 460



Vaus lamppost 462

LED optics groups



Ura LED 464
Regal LED
Ecodut LED







Ripa LED 465
Ray Ben LED





INSTALLATION RECOMMENDATIONS

FUNCTIONAL SIMBOLOGY







STREET LIGHTING

-  Highways
-  Roads
-  Service ways
-  Tunnels






BIG AREAS LIGHTING

-  Outside sports
-  Big surfaces


URBAN LIGHTING

-  Streets and Avenues
-  Residential
-  Pedestrian ways
-  Parks and gardens
-  Monumental illumination
-  Sign lighting

INTERIOR LIGHTING

-  Sports lighting
-  Parking zones
-  Industrial
-  Department stores
-  Shopping malls

TECHNICAL SIMBOLOGY

 Surface exposed to wind (horizontal)

 Surface exposed to wind (vertical)

 Short light pollution

CX Wind penetration ratio
Shape's movement effectiveness or resistance through air.

$$CX = \frac{X}{1/2 \rho V^2 S}$$

ρ = Fluid density (kg/m³)
 V =Speed (m/s)
 S = Surface

FHS Upper hemisphere flow from total effective flow.
Light percentage produced produced in the focus that is projected to the sky from the horizonte level, which is lost light.

E1	<1%
E2	1% - 5%
E3	5% - 15%
E4	15% - 25%

ACCESORIES

LEDTechnology

LED word is the acronym of Lighting Emitting Diode.

Secom Iluminacion makes use only of first brands semiconductors in his lighting products, as Osram (Germany), Cree (USA) or Bridgelux (USA), in order to create solutions which allow to develop lighting projects for all needs.

We offer our clients a choice of a wide range of secondary lens, symmetrical, asymmetrical, or with different opening degrees depending on their needs and applications, like different uses or activities, lighting effects, atmosphere creation,...

Secom Iluminación designs his products to allow fast and efficient repairs and replacements of any fungible or subject to change components, both during the warranty period and subsequently, enlarging lamps life.

The advantages of lighting with LED technology are:

- Lamps longer life.
- Maintenance costs reduction
- No emission neither IR nor UV radiation
- LED lamps operate at low temperatures (up to -40°C)
- Operation at low voltage DC
- High efficacy in cold atmospheres.
- Full-life sealing in waterproof lamps.
- Direct lighting increases the system efficiency
- Robust system; safety against vibrations.
- Lower light scattering to upper hemisphere due to a better optical control.
- Total light regulation without color changes
- Instantaneous switch-on with 100% light level.
- Install it and forget



COSMOPOLIS Lamp.

Cosmopolis lamp emits white light which improves spectacularly color rendering, the depth and quality of vision, the buildings and parks appearance,.... It also increases the security in areas with mixed traffic, pedestrian and vehicles.

The reduced size of light focus allows to manufacture optical systems which optimize light distribution and enhance the benefits of high energetic efficiency (it consumes up to 10% less energy than sodium lamps, 30% less than metal halide lamps, and up to 150% less than mercury vapor lamps).

This improved light distribution allows that the street lighting designs could achieve higher spacings between luminaires (in some cases above 16%), while maintaining the same levels of illumination on the road, resulting in significant energy savings street lighting. Available in 45w, 60w, 90w and 140w.



Ref. G Control Gear

Strong, long-life and economic ballast. It guarantees lamps efficiency and it is provided with a capacitor that corrects the power factor.

Ref. BE Electronic discharge ballast

Electronic equipment for discharge lamps in outside lighting applications. This equipment produce up to 15% of energy savings, because it is more efficient than classical equipments and thermal-losses are reduced.

Beside being more reduced and simple, It also stabilizes the voltage and controls the operation of each lamp, enlarging lamps-life up to 30%. In order to get more comfort and safety, electronic discharge ballast switch off the lamp before it could starts to give potential failures, such as blinking, excessive heating or variations in color tone.



Ref. BR Electronic dimmable ballast 1-10v

It has the same characteristics than the electronic discharge ballast (BE), and also allows an analogic dimming up to 20% in sodium lamps and to 60% in metallic halide lamps, with the dimmer installed into the switch.



Ref. TD Electronic dimmable ballast DALI

Electronic ballast for discharge lamps which allows a digital dimming, obtaining a light adjustment as wished.

Bio-NOx®.

Bio-NOx is a photocatalytic paint which is able to eliminate or reduce nitrogen compounds that exist in the air through a photocatalytic function, that transforms these NOx into safe nitrates, thus purifying the air we breathe.

This product efficacy has been proved by different agencies, both public and private, and it is an active system to improve the air quality in our cities. The maximum efficiency of this product has been tested using the Bio-NOx on a white polyester RB-9159.

If the base product is in a different color, its efficiency decreases, and aesthetics should be particularly considered because the Bio-NOx is a semi-matt varnish. Secom Iluminación incorporates in its products Bio-NOx painting if it is requested.



Dural LED

Protection degree optic group IP65



- Material:** Made in injected aluminium.
- Optics:** Inclination 10°. Polycarbonate lens incorporated in each point of LEDs. PMMA secondary optics. (Polymethylmethacrylate) and polycarbonate protective UV resistant.
- Supply:** Driver for each type of lamp and power use is included.
- Lamps:** Osram Golden Dragon Plus LED.
- Lifespan:** 40.0000 hours.
- Installation:** To mount on posts ø76 mm, and with the possibility of a reducing adapter for ø60mm posts.
- Colours:** Sable Gray 900. Available in other RAL colors on request.



Dural - 28 LED - Symmetric optics 170°

Includes driver and 28 LED

	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
LED	3342 91 33 86	Sable Gray	LED	33,6w	350	3248	498,60	0,70
	3342 91 50 86	Sable Gray	LED	50,8w	530	4384,8	536,50	0,70
	3342 91 67 86	Sable Gray	LED	67,2w	700	5521,6	559,10	0,70

* Supplied in a standard manner with 6500° K

Dural - 28 LED - Symmetric optics 37°

Includes driver and 28 LED

	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
LED	3354 91 33 86	Sable Gray	LED	33,6w	350	3248	593,80	0,70
	3354 91 50 86	Sable Gray	LED	50,8w	530	4384,8	630,70	0,70
	3354 91 67 86	Sable Gray	LED	67,2w	700	5521,6	654,30	0,70

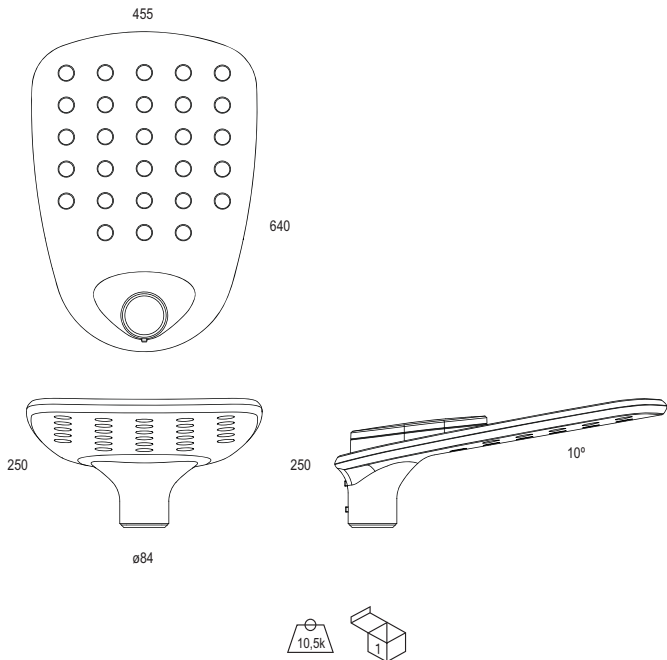
* Supplied in a standard manner with 6500° K

Dural - 28 LED - Asymmetric optics

Includes driver and 28 LED

	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
LED	3362 91 33 86	Sable Gray	LED	33,6w	350	3248	595,02	0,70
	3362 91 50 86	Sable Gray	LED	50,8w	530	4384,8	631,92	0,70
	3362 91 67 86	Sable Gray	LED	67,2w	700	5521,6	655,80	0,70

* Supplied in a standard manner with 6500° K



Head containing LED driver suitable for the power of each model and available with regulation.



Symmetric optics 37°



Ref. **3388** Reducing adapter for posts Ø60mm



Asymmetric optics



Printed Circuit Board "Dural" with 28 Golden Dragon Plus LED from OSRAM.

ACCESSORIES

Rough price increase of accessories	€
Ref. 3388 Reducing adapter for posts Ø60mm	17,80

DIMMABLE 1-10V OPTIONS

Rough price increase of control gear	Dimmable 1-10v	€
Ref. BR633 28 LED - 33,6w		38,00
Ref. BR650 28 LED - 50,8w		90,00
Ref. BR667 28 LED - 67,2w		110,00

DIMMABLE DALI OPTIONS

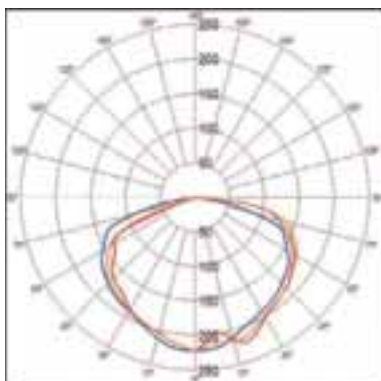
Rough price increase of control gear	Dimmable Dali	€
Ref. TD633 28 LED - 33,6w		39,00
Ref. TD650 28 LED - 50,8w		92,00
Ref. TD667 28 LED - 67,2w		112,00

OPTIONS LED

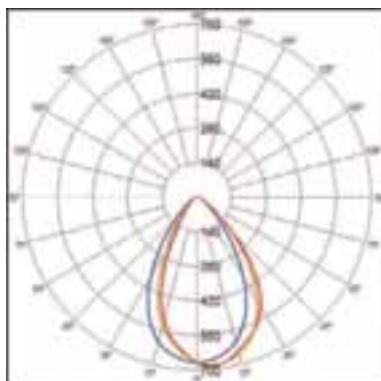
	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Lumens - PCB 28 LED

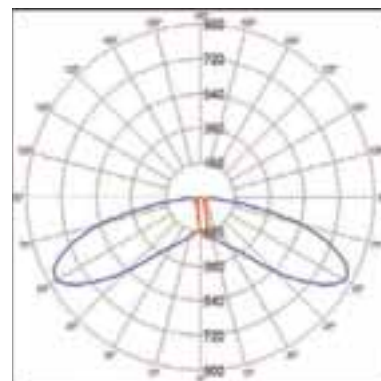
Lamps	W	mA	T. colour	Lumens
28 LED	33,6w	350	6500°k	3248
28 LED	50,8w	530	6500°k	4384,8
28 LED	67,2w	700	6500°k	5521,6
28 LED	33,6w	350	5600°k	2800
28 LED	50,8w	530	5600°k	3780
28 LED	67,2w	700	5600°k	4620
28 LED	33,6w	350	3300°k	2380
28 LED	50,8w	530	3300°k	3213
28 LED	67,2w	700	3300°k	3927



Ref. **3342** Dural 170° symmetric optics



Ref. **3354** Dural 37° symmetric optics



Ref. **3362** Dural asymmetric optics

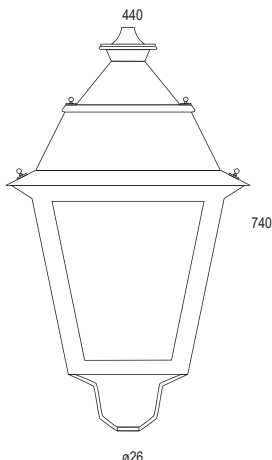


Ura LED

Protection degree optic group IP65



- Material:** Made in thermo-painted aluminium.
Optics: Polycarbonate lens incorporated in each point of LED. PMMA secondary optics. (Polymethylmethacrylate) and polycarbonate protective UV resistant. It can be supplied without protective closing, or closed with matte or clear polycarbonate. IP65 protection degree with glass for optical unit.
Supply: It includes driver for the type of lamp and its power use.
Lamps: Osram Golden Dragon Plus LED.
Installation: Adapter for mounting on posts.
Colours: Black color (RAL 9005) with brass screws.
Options: LED lamps available (p. 464) for replacement.



Optic group IP65.



Ura - 28 LED -Without closing

Includes driver, and 28 LED with symmetric optics 170°

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3330 02 33 86 00	Black	LED	33,6w	350	3248	449,80	0,70
	3330 02 50 86 00	Black	LED	50,8w	530	4384,8	535,80	0,70
	3330 02 67 86 00	Black	LED	67,2w	700	5521,6	565,80	0,70

* Supplied in a standard manner with 6500° K

Ura - 28 LED - Matt polycarbonate

Includes driver, and 28 LED with symmetric optics 170°

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3330 02 33 86 01	Black	LED	33,6w	350	3248	507,90	0,70
	3330 02 50 86 01	Black	LED	50,8w	530	4384,8	547,90	0,70
	3330 02 67 86 01	Black	LED	67,2w	700	5521,6	573,90	0,70

* Supplied in a standard manner with 6500° K

Ura - 28 LED - Transparent polycarbonate

Includes driver, and 28 LED with symmetric optics 170°

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3330 02 33 86 02	Black	LED	33,6w	350	3248	508,00	0,70
	3330 02 50 86 02	Black	LED	50,8w	530	4384,8	548,00	0,70
	3330 02 67 86 02	Black	LED	67,2w	700	5521,6	574,00	0,70

* Supplied in a standard manner with 6500° K

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

Ura - 40 LED -Without closing

Includes driver, and 40 LED with symmetric optics 170°

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3330 02 48 86 00	Black	LED	48w	350	4640	516,80	0,70
	3330 02 72 86 00	Black	LED	72w	530	6264	588,90	0,70
	3330 02 96 86 00	Black	LED	96w	700	7888	599,60	0,70

* Supplied in a standard manner with 6500° K

Ura - 40 LED - Matt polycarbonate

Includes driver, and 40 LED with symmetric optics 170°

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3330 02 48 86 01	Black	LED	48w	350	4640	574,90	0,70
	3330 02 72 86 01	Black	LED	72w	530	6264	647,00	0,70
	3330 02 96 86 01	Black	LED	96w	700	7888	657,70	0,70

* Supplied in a standard manner with 6500° K

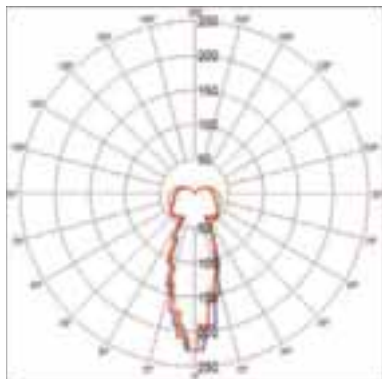
Ura - 40 LED - Transparent polycarbonate

Includes driver, and 40 LED with symmetric optics 170°

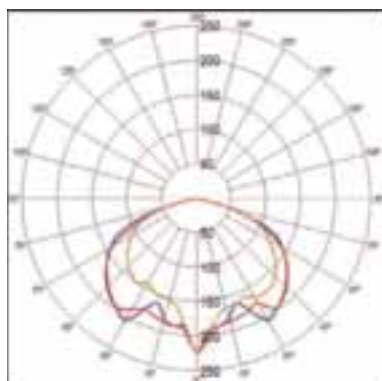
LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3330 02 48 86 02	Black	LED	48w	350	4640	575,00	0,70
	3330 02 72 86 02	Black	LED	72w	530	6264	647,10	0,70
	3330 02 96 86 02	Black	LED	96w	700	7888	657,80	0,70

* Supplied in a standard manner with 6500° K

OPTIONS	€
Rough price increase of optics	
Ref. 3406 Symmetric optics 37°	96,20
Ref. 3407 Asymmetric optics	98,20



Ura LED symmetrical optical 170° without closure or closure of transparent polycarbonate.



Ura LED symmetrical optical 170° and closure of matt polycarbonate.



Lumens - PCB 28 LED

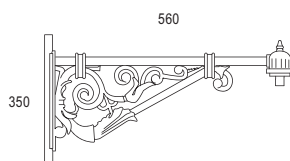
Lamps	W	mA	T. colour	Lumens
28 LED	33,6w	350	6500°k	3248
28 LED	50,8w	530	6500°k	4384,8
28 LED	67,2w	700	6500°k	5521,6
28 LED	33,6w	350	5600°k	2800
28 LED	50,8w	530	5600°k	3780
28 LED	67,2w	700	5600°k	4620
28 LED	33,6w	350	3300°k	2380
28 LED	50,8w	530	3300°k	3213
28 LED	67,2w	700	3300°k	3927

Lumens - PCB 40 LED

Lamps	W	mA	T. colour	Lumens
40 LED	48w	350	6500°k	4640
40 LED	72w	530	6500°k	6264
40 LED	96w	700	6500°k	7888
40 LED	48w	350	5600°k	4000
40 LED	72w	530	5600°k	5400
40 LED	96w	700	5600°k	6600
40 LED	48w	350	3300°k	3400
40 LED	72w	530	3300°k	4590
40 LED	96w	700	3300°k	5610



Ref. 3331
Wall-adaptor



ACCESSORIES

Rough price increase of accesories		€
Ref. 3331	Wall-adaptor for sustained lamps	95,20

DIMMABLE 1-10V OPTIONS

Rough price increase of control gear		Dimmable 1-10v €
Ref. BR633	28 LED - 33,6w	38,00
Ref. BR650	28 LED - 50,8w	90,00
Ref. BR667	28 LED - 67,2w	110,00
Ref. BR648	40 LED - 48w	90,00
Ref. BR672	40 LED - 72w	110,00
Ref. BR696	40 LED - 96w	120,00

DIMMABLE DALI OPTIONS

Rough price increase of control gear		Dimmable Dali €
Ref. TD633	28 LED - 33,6w	39,00
Ref. TD650	28 LED - 50,8w	92,00
Ref. TD667	28 LED - 67,2w	112,00
Ref. TD648	40 LED - 48w	92,00
Ref. TD672	40 LED - 72w	112,00
Ref. TD696	40 LED - 96w	120,00



Ura

Protection degree optic group IP65 / Protection degree container equipment IP44

- Material:** Made in thermo-painted aluminium.
Optics: Aluminium reflector for horizontal lamps with sealed protective glass. It can be supplied without protective closing, or closed with matte or clear polycarbonate IP65 optical unit.
Supply: Control gear is included.
Lamps: High-pressure sodium lamp ratings from 50 to 150 watts, white sodium lamp 100watts, or metal halide lamps from 45 to 150watts.
Installation: Adapter for mounting on posts.
Colours: Black (RAL 9005) with brass screws.

URA - EMPTY LAMP

			€
Ref. 3322 02 00	Empty lamp without protective closing IP65 reflector		188,10
Ref. 3322 02 01	Empty lamp with protective matt closing IP65		195,60
Ref. 3322 02 02	Empty lamp with transparent polycarbonate closing IP65		195,70

Ura - High Pressure Sodium - Without closing

Includes control gear and lamp HIGH PRESSURE SODIUM.

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3323 02 50 00	Black	SON-T	E-27	50W	308,52	0,70	0,30
3323 02 70 00	Black	SON-T	E-27	70W	309,20	0,70	0,30
3323 02 10 00	Black	SON-T	E-40	100W	310,68	0,70	0,30
3323 02 15 00	Black	SON-T	E-40	150W	322,90	0,70	0,30

Ura - White sodium - Without closing

Includes control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3324 02 15 00	Black	SDW-T	PG12-1	100W	478,12	0,70	0,30

Ura - Metal halide - Without closing

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3325 02 70 00	Black	CDM-T	G-12	70W	366,80	0,70	0,30
3325 02 15 00	Black	CDM-T	G-12	150W	376,50	0,70	0,30

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3326 02 50 00	Black	CDO TT	E-27	50W	354,20	0,70	0,30
3326 02 70 00	Black	CDO TT	E-27	70W	358,40	0,70	0,30
3326 02 10 00	Black	CDO TT	E-40	100W	362,10	0,70	0,30

Includes control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3327 02 45 00	Black	CPO-TW	PGZ12	45W	496,20	0,70	0,30
3327 02 60 00	Black	CPO-TW	PGZ12	60W	496,80	0,70	0,30
3327 02 90 00	Black	CPO-TW	PGZ12	90W	520,10	0,70	0,30
3327 02 14 00	Black	CPO-TW	PGZ12	140W	536,40	0,70	0,30



Optic group IP65 with lamp horizontal



Ura - High Pressure Sodium - Matt polycarbonate

Includes closing, control gear and lamp HIGH PRESSURE SODIUM.

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3323 02 50 01	Black	SON-T	E-27	50W	316,62	0,70	0,30
3323 02 70 01	Black	SON-T	E-27	70W	317,30	0,70	0,30
3323 02 10 01	Black	SON-T	E-40	100W	318,78	0,70	0,30
3323 02 15 01	Black	SON-T	E-40	150W	331,00	0,70	0,30

Ura - White sodium - Matt polycarbonate

Includes closing, control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3324 02 15 01	Black	SDW-T	PG12-1	100W	486,22	0,70	0,30

Ura - Metal halide - Matt polycarbonate

Includes closing, control gear and HQI lamp

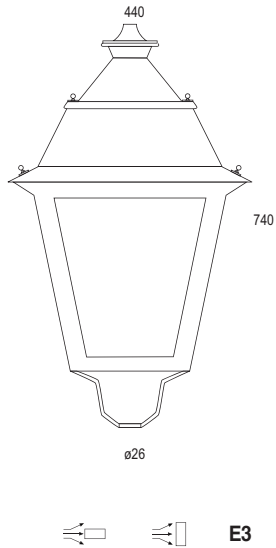
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3325 02 70 01	Black	CDM-T	G-12	70W	374,90	0,70	0,30
3325 02 15 01	Black	CDM-T	G-12	150W	384,60	0,70	0,30

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3326 02 50 01	Black	CDO TT	E-27	50W	362,30	0,70	0,30
3326 02 70 01	Black	CDO TT	E-27	70W	366,50	0,70	0,30
3326 02 10 01	Black	CDO TT	E-40	100W	370,20	0,70	0,30

Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3327 02 45 01	Black	CPO-TW	PGZ12	45W	504,30	0,70	0,30
3327 02 60 01	Black	CPO-TW	PGZ12	60W	504,40	0,70	0,30
3327 02 90 01	Black	CPO-TW	PGZ12	90W	528,20	0,70	0,30
3327 02 14 01	Black	CPO-TW	PGZ12	140W	544,50	0,70	0,30



Ura - High Pressure Sodium - Transparent polycarbonate

Includes closing, control gear and lamp HIGH PRESSURE SODIUM

Ref.	Colour	Lamp	L/H	W	€	lum. lamp	RAEE
3323 02 50 02	Black	SON-T	E-27	50W	316,72	0,70	0,30
3323 02 70 02	Black	SON-T	E-27	70W	317,40	0,70	0,30
3323 02 10 02	Black	SON-T	E-40	100W	318,88	0,70	0,30
3323 02 15 02	Black	SON-T	E-40	150W	331,10	0,70	0,30

Ura - White sodium - Transparent polycarbonate

Includes closing, control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp	RAEE
3324 02 15 02	Black	SDW-T	PG12-1	100W	486,32	0,70	0,30

Ura - Metal halide - Transparent polycarbonate

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3325 02 70 02	Black	CDM-T	G-12	70W	375,00	0,70 0,30
3325 02 15 02	Black	CDM-T	G-12	150W	384,70	0,70 0,30

Includes closing, control gear and HQI lamp

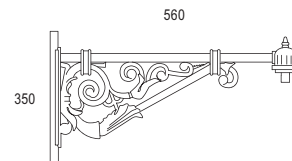
Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3326 02 50 02	Black	CDO TT	E-27	50W	362,40	0,70 0,30
3326 02 70 02	Black	CDO TT	E-27	70W	366,60	0,70 0,30
3326 02 10 02	Black	CDO TT	E-40	100W	370,30	0,70 0,30

Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp	RAEE
3327 02 45 02	Black	CPO-TW	PGZ12	45W	504,40	0,70	0,30
3327 02 60 02	Black	CPO-TW	PGZ12	60W	505,00	0,70	0,30
3327 02 90 02	Black	CPO-TW	PGZ12	90W	528,30	0,70	0,30
3327 02 14 02	Black	CPO-TW	PGZ12	140W	544,60	0,70	0,30



Ref. 3331
Wall-adaptor



ACCESSORIES

Rough price increase of accessories

Ref.	Description	€
Ref. 3331	Wall-adaptor for sustained lamps	95,20

DIMMABLE 1-10V OPTIONS

Rough price increase of control gear

Ref.	Description	€
Ref. BR470	High pressure sodium / SON-T 70w	177,10
Ref. BR4100	High pressure sodium / SON-T 100w	177,10
Ref. BR4150	High pressure sodium / SON-T 150w	180,92
Ref. BR270	Metal halide / CDO TT 70w	177,10
Ref. BR2100	Metal halide / CDO TT 100w	177,10
Ref. BR2150	Metal halide / CDO TT 150w	180,92

DIMMABLE DALI OPTIONS

Rough price increase of control gear

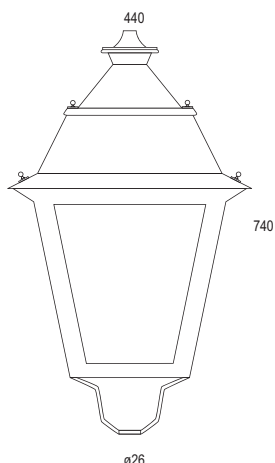
Ref.	Description	€
Ref. TD450	High pressure sodium / SON-T 50w	178,20
Ref. TD470	High pressure sodium / SON-T 70w	178,20
Ref. TD4100	High pressure sodium / SON-T 100w	178,20
Ref. TD4150	High pressure sodium / SON-T 150w	181,20
Ref. TD4250	High pressure sodium / SON-T 250w	224,10
Ref. TD345	Metal halide / CPO-TW 45w	177,10
Ref. TD360	Metal halide / CPO-TW 60w	177,10
Ref. TD390	Metal halide / CPO-TW 90w	180,92
Ref. TD3140	Metal halide / CPO-TW 140w	184,67



Hemera

Protection degree container equipment IP44

- Material:** Made in thermo-painted aluminium.
- Optics:** It can be supplied without protective closing, or closed with matte closing or clear polycarbonate.
- Supply:** Control gear for the type of lamp and power use chosen is included.
- Lamps:** Vertical high-pressure sodium lamp from 100 to 150 watts or metal halide lamps with 100, 150 or 25watts.
- Installation:** Adapter for mounting on posts.
- Colours:** Black (RAL 9005) with brass screws



Optic group IP44 with lamp vertical **E3**

HEMERA - EMPTY LAMP

		€
Ref. 3332 02 00	Empty lamp without protective closing IP44	179,80
Ref. 3332 02 01	Empty lamp with protective matt closing IP44	187,10
Ref. 3332 02 02	Empty lamp with transparent polycarbonate closing IP44	187,20

Hemera - LED E40 - Without closing

LED	Includes driver and LED lamp E-40						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3328 02 34 00	Black	LED	E40	34w	549,10	0,70	0,20
	3328 02 39 00	Black	LED	E40	39w	583,50	0,70	0,20
	3328 02 45 00	Black	LED	E40	45w	624,30	0,70	0,20

* Supplied in a standard manner with 5400° K

Hemera - LED E40 - Matt polycarbonate

LED	Includes driver and LED lamp E-40						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3328 02 34 00	Black	LED	E40	34w	557,00	0,70	0,20
	3328 02 39 00	Black	LED	E40	39w	591,60	0,70	0,20
	3328 02 45 00	Black	LED	E40	45w	632,40	0,70	0,20

* Supplied in a standard manner with 5400° K

Hemera - LED E40 - Transparent polycarbonate

LED	Includes driver and LED lamp E-40						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3328 02 34 00	Black	LED	E40	34w	557,00	0,70	0,20
	3328 02 39 00	Black	LED	E40	39w	591,60	0,70	0,20
	3328 02 45 00	Black	LED	E40	45w	632,40	0,70	0,20

* Supplied in a standard manner with 5400° K

Hemera - High Pressure Sodium - Without closing

HPS	Includes control gear and HIGH PRESSURE SODIUM lamp						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3333 02 10 00	Black	SON-T	E-40	100	304,50	0,70	0,30
	3333 02 15 00	Black	SON-T	E-40	150	318,20	0,70	0,30

Hemera - High Pressure Sodium - Matt polycarbonate

HPS	Includes closing, control gear and HIGH PRESSURE SODIUM lamp						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3333 02 10 01	Black	SON-T	E-40	100	312,60	0,70	0,30
	3333 02 15 01	Black	SON-T	E-40	150	326,30	0,70	0,30

Hemera - High Pressure Sodium - Transparent polycarbonate

HPS	Includes closing, control gear and HIGH PRESSURE SODIUM lamp						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3333 02 10 02	Black	SON-T	E-40	100	312,70	0,70	0,30
	3333 02 15 02	Black	SON-T	E-40	150	326,40	0,70	0,30



Hemera - Metal halide - Without closing

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum. lamp	
3334 02 10 00	Black	CDO TT	E-40	100W	357,40	0,70	0,30
3334 02 15 00	Black	CDO TT	E-40	150W	361,15	0,70	0,30
3334 02 25 00	Black	CDO TT	E-40	250W	433,40	0,70	0,30

Hemera - Metal halide - Matt polycarbonate

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum. lamp	
3334 02 10 01	Black	CDO TT	E-40	100W	365,50	0,70	0,30
3334 02 15 01	Black	CDO TT	E-40	150W	369,25	0,70	0,30
3334 02 25 01	Black	CDO TT	E-40	250W	441,50	0,70	0,30

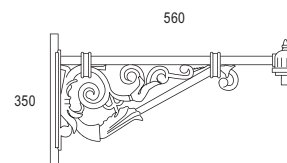
Hemera - Metal halide - Transparent polycarbonate

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE	
						lum. lamp	
3334 02 10 02	Black	CDO TT	E-40	100W	365,60	0,70	0,30
3334 02 15 02	Black	CDO TT	E-40	150W	369,35	0,70	0,30
3334 02 25 02	Black	CDO TT	E-40	250W	441,60	0,70	0,30



Ref. 3331
Wall-adaptor



ACCESSORIES

Rough price increase of accessories

Ref.	Description	€
Ref. 3331	Wall-adaptor for sustained lamps	95,20



Regal LED

Protection degree optic group IP65



- Material:** Conformed in thermo-painted aluminium. Lens incorporated in each point of LED.
- Optics:** It can be supplied without protective closing, or closed with matte closing or prismatic polycarbonate closing.
- Supply:** Driver for each kind of lamp and power is included.
- Lamps:** Osram Golden Dragon Plus LED.
- Installation:** Adapter for mounting on posts.
- Colours:** Black color (RAL 9005).
- Options:** LED lamps available (p. 464) for replacement.



Optic group IP65



Regal - 28 LED - Without closing

Includes driver, and 28 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3341 02 33 86 00	Black	LED	33,6w	350	3248	587,90	0,70
	3341 02 50 86 00	Black	LED	50,8w	530	4384,8	623,90	0,70
	3341 02 67 86 00	Black	LED	67,2w	700	5521,6	653,90	0,70

* Supplied in a standard manner with 6500° K

Regal - 28 LED - Matt polycarbonate

Includes driver, and 28 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3341 02 33 86 01	Black	LED	33,6w	350	3248	596,10	0,70
	3341 02 50 86 01	Black	LED	50,8w	530	4384,8	636,00	0,70
	3341 02 67 86 01	Black	LED	67,2w	700	5521,6	662,00	0,70

* Supplied in a standard manner with 6500° K

Regal - 28 LED - Prismatic polycarbonate

Includes driver, and 28 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3341 02 33 86 02	Black	LED	33,6w	350	3248	596,10	0,70
	3341 02 50 86 02	Black	LED	50,8w	530	4384,8	636,10	0,70
	3341 02 67 86 02	Black	LED	67,2w	700	5521,6	662,10	0,70

* Supplied in a standard manner with 6500° K

Regal - 40 LED - Without closing

Includes driver, and 40 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3341 02 48 86 00	Black	LED	48w	350	4640	654,90	0,70
	3341 02 72 86 00	Black	LED	72w	530	6264	677,00	0,70
	3341 02 96 86 00	Black	LED	96w	700	7888	687,70	0,70

* Supplied in a standard manner with 6500° K

Regal - 40 LED - Matt polycarbonate

Includes driver, and 40 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3341 02 48 86 01	Black	LED	48w	350	4640	663,00	0,70
	3341 02 72 86 01	Black	LED	72w	530	6264	723,10	0,70
	3341 02 96 86 01	Black	LED	96w	700	7888	745,80	0,70

* Supplied in a standard manner with 6500° K

Regal - 40 LED - Prismatic polycarbonate

Includes driver, and 40 LED

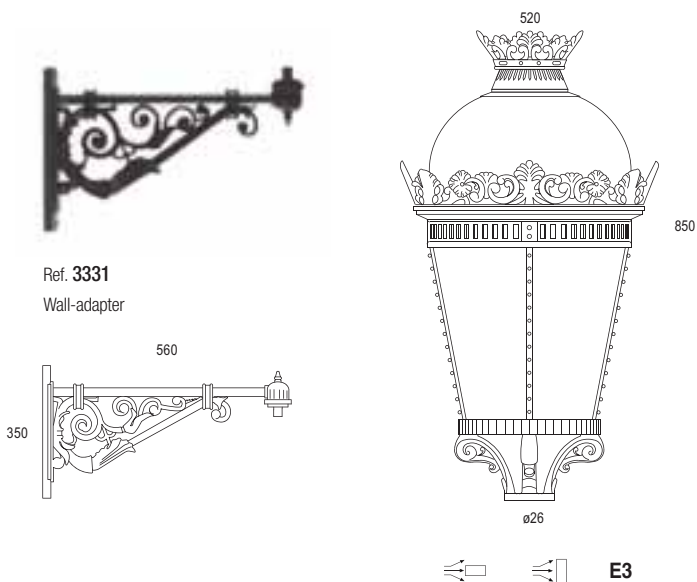
LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3341 02 48 86 02	Black	LED	48w	350	4640	663,10	0,70
	3341 02 72 86 02	Black	LED	72w	530	6264	735,30	0,70
	3341 02 96 86 02	Black	LED	96w	700	7888	746,80	0,70

* Supplied in a standard manner with 6500° K

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS

Rough price increase of optics	€
Ref. 3406 Symmetric optics 37°	96,20
Ref. 3407 Asymmetric optics	98,20



ACCESSORIES

Rough price increase of accesories		€
Ref. 3331	Wall-adapter for sustained lamps	95,20

DIMMABLE 1-10V OPTIONS

Rough price increase of control gear		Dimmable 1-10v €
Ref. BR633	28 LED - 33,6w	38,00
Ref. BR650	28 LED - 50,8w	90,00
Ref. BR667	28 LED - 67,2w	110,00
Ref. BR648	40 LED - 48w	90,00
Ref. BR672	40 LED - 72w	110,00
Ref. BR696	40 LED - 96w	120,00

DIMMABLE DALI OPTIONS

Rough price increase of control gear		Dimmable Dali €
Ref. TD633	28 LED - 33,6w	39,00
Ref. TD650	28 LED - 50,8w	92,00
Ref. TD667	28 LED - 67,2w	112,00
Ref. TD648	40 LED - 48w	92,00
Ref. TD672	40 LED - 72w	110,00
Ref. TD696	40 LED - 96w	120,00



Regal

Protection degree optic group IP65 / Protection degree container equipment IP44

- Material:** Conformed in thermo-painted aluminium. Aluminium reflector for horizontal lamps.
- Optics:** It includes protective hermetic glass. It can be supplied without closing, with matte closing or with prismatic polycarbonate closing.
- Supply:** Control gear is included.
- Lamps:** High-pressure sodium lamps from 50 to 250watts, white sodium lamps 100watts, or metal halide lamps from 45 to 150watts.
- Installation:** It includes adapter for mounting on posts.
- Colours:** Black color (RAL 9005).

REGAL - EMPTY LAMP

			€
Ref. 3335 02 00	Empty lamp without protective closing IP65		292,60
Ref. 3335 02 01	Empty lamp with protective matt closing and IP65 reflector		300,70
Ref. 3335 02 02	Empty lamp with transparent polycarbonate closing and IP65 reflector		300,70

Regal - High Pressure Sodium - Without closing

Includes control gear and HIGH PRESSURE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3336 02 50 00	Black	SON-T	E-27	50W	396,62	0,70	0,30
3336 02 70 00	Black	SON-T	E-27	70W	397,30	0,70	0,30
3336 02 10 00	Black	SON-T	E-40	100W	398,78	0,70	0,30
3336 02 15 00	Black	SON-T	E-40	150W	411,00	0,70	0,30
3336 02 25 00	Black	SON-T	E-40	250W	424,74	0,70	0,30

Regal - White sodium - Without closing

Includes control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3337 02 15 00	Black	SDW-T	PG12-1	100W	566,22	0,70	0,30

Regal - Metal halide - Without closing

Includes control gear and HQI lamp

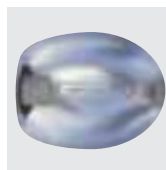
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3338 02 70 00	Black	CDM-T	G-12	70W	454,90	0,70	0,30
3338 02 15 00	Black	CDM-T	G-12	150W	464,60	0,70	0,30

Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3339 02 50 00	Black	CDO TT	E-27	50W	442,30	0,70	0,30
3339 02 70 00	Black	CDO TT	E-27	70W	446,50	0,70	0,30
3339 02 10 00	Black	CDO TT	E-40	100W	450,20	0,70	0,30

Includes control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3340 02 45 00	Black	CPO-TW	PGZ12	45W	584,30	0,70	0,30
3340 02 60 00	Black	CPO-TW	PGZ12	60W	584,90	0,70	0,30
3340 02 90 00	Black	CPO-TW	PGZ12	90W	608,20	0,70	0,30
3340 02 14 00	Black	CPO-TW	PGZ12	140W	624,50	0,70	0,30



Optic group IP65 with lamp horizontal



Regal - High Pressure Sodium - Matt polycarbonate

Includes closing, control gear and HIGH PRESSURE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3336 02 50 01	Black	SON-T	E-27	50W	404,72	0,70	0,30
3336 02 70 01	Black	SON-T	E-27	70W	405,40	0,70	0,30
3336 02 10 01	Black	SON-T	E-40	100W	406,88	0,70	0,30
3336 02 15 01	Black	SON-T	E-40	150W	419,10	0,70	0,30
3336 02 25 01	Black	SON-T	E-40	250W	432,84	0,70	0,30

Regal - White sodium - Matt polycarbonate

Includes closing, control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3337 02 15 01	Black	SDW-T	PG12-1	100W	574,32	0,70	0,30

Regal - Metal halide - Matt polycarbonate

Includes closing, control gear and HQI lamp

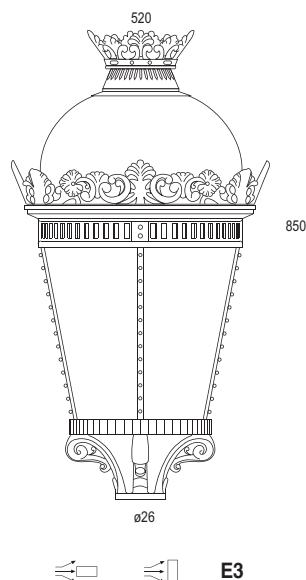
Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3338 02 70 01	Black	CDM-T	G-12	70W	463,00	0,70	0,30
3338 02 15 01	Black	CDM-T	G-12	150W	472,70	0,70	0,30

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3339 02 50 01	Black	CDO TT	E-27	50W	450,40	0,70	0,30
3339 02 70 01	Black	CDO TT	E-27	70W	454,60	0,70	0,30
3339 02 10 01	Black	CDO TT	E-40	100W	458,30	0,70	0,30

Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp	
3340 02 45 01	Black	CPO-TW	PGZ12	45W	592,40	0,70	0,30
3340 02 60 01	Black	CPO-TW	PGZ12	60W	592,50	0,70	0,30
3340 02 90 01	Black	CPO-TW	PGZ12	90W	616,30	0,70	0,30
3340 02 14 01	Black	CPO-TW	PGZ12	140W	632,60	0,70	0,30



Regal - High Pressure Sodium - Prismatic polycarbonate

Includes closing, control gear and HIGH PRESSURE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3336 02 50 02	Black	SON-T	E-27	50W	404,82	0,70 0,30
3336 02 70 02	Black	SON-T	E-27	70W	405,50	0,70 0,30
3336 02 10 02	Black	SON-T	E-40	100W	406,98	0,70 0,30
3336 02 15 02	Black	SON-T	E-40	150W	419,20	0,70 0,30
3336 02 25 02	Black	SON-T	E-40	250W	432,94	0,70 0,30

Regal - White sodium - Prismatic polycarbonate

Includes closing, control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3337 02 15 02	Black	SDW-T	PG12-1	100W	574,42	0,70 0,30

Regal - Metal halide - Prismatic polycarbonate

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3338 02 70 02	Black	CDM-T	G-12	70W	463,10	0,70 0,30
3338 02 15 02	Black	CDM-T	G-12	150W	472,80	0,70 0,30

Includes closing, control gear and HQI lamp

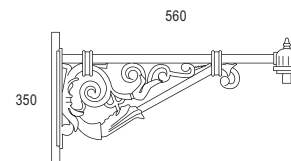
Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3339 02 50 02	Black	CDO TT	E-27	50W	450,50	0,70 0,30
3339 02 70 02	Black	CDO TT	E-27	70W	454,70	0,70 0,30
3339 02 10 02	Black	CDO TT	E-40	100W	458,40	0,70 0,30

Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	lum. lamp
3340 02 45 02	Black	CPO-TW	PGZ12	45W	592,50	0,70 0,30
3340 02 60 02	Black	CPO-TW	PGZ12	60W	592,60	0,70 0,30
3340 02 90 02	Black	CPO-TW	PGZ12	90W	616,40	0,70 0,30
3340 02 14 02	Black	CPO-TW	PGZ12	140W	632,70	0,70 0,30



Ref. 3331
Wall-adaptor



ACCESSORIES

Ref.	Description	€
Ref. 3331	Wall-adaptor for sustained lamps	95,20

DIMMABLE 1-10V OPTIONS

Ref.	Description	€
Ref. BR470	High pressure sodium / SON-T 70w	177,10
Ref. BR4100	High pressure sodium / SON-T 100w	177,10
Ref. BR4150	High pressure sodium / SON-T 150w	180,92
Ref. BR270	Metal halide / CDO TT 70w	177,10
Ref. BR2100	Metal halide / CDO TT 100w	177,10
Ref. BR2150	Metal halide / CDO TT 150w	180,92

DIMMABLE DALI OPTIONS

Ref.	Description	€
Ref. TD450	High pressure sodium / SON-T 50w	178,20
Ref. TD470	High pressure sodium / SON-T 70w	178,20
Ref. TD4100	High pressure sodium / SON-T 100w	178,20
Ref. TD4150	High pressure sodium / SON-T 150w	181,20
Ref. TD4250	High pressure sodium / SON-T 250w	224,10
Ref. TD345	Metal halide / CPO-TW 45w	177,10
Ref. TD360	Metal halide / CPO-TW 60w	177,10
Ref. TD390	Metal halide / CPO-TW 90w	180,92
Ref. TD3140	Metal halide / CPO-TW 140w	184,67



Monar

Protection degree container equipment IP44

- Material:** Made in thermo-painted aluminium.
- Optics:** It can be supplied without closing, with matte closing or with prismatic polycarbonate closing.
- Supply:** Control gear is included.
- Lamps:** Vertical high-pressure sodium lamp with 50 or 250watts, or metal halide lamps with 100, 150 or 200watts.
- Installation:** It includes adapter for mounting on posts.
- Colours:** Black color (RAL 9005).

MONAR - EMPTY LAMP

			€
Ref. 3343 02 00	Empty lamp without protective closing IP44		287,90
Ref. 3343 02 01	Empty lamp with protective matt closing IP44		296,00
Ref. 3343 02 02	Empty lamp with transparent polycarbonate closing IP44		296,10



Optic group IP44 with lamp vertical



E3

Monar - LED E40 - Without closing

LED	Includes driver and LED lamp E-40						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3329 02 34 00	Black	LED	E40	34w	637,60	0,70	0,20
	3329 02 39 00	Black	LED	E40	39w	672,00	0,70	0,20
	3329 02 45 00	Black	LED	E40	45w	712,80	0,70	0,20

* Supplied in a standard manner with 5400° K

Monar - LED E40 - Matt polycarbonate

LED	Includes driver and LED lamp E-40						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3329 02 34 01	Black	LED	E40	34w	644,80	0,70	0,20
	3329 02 39 01	Black	LED	E40	39w	679,20	0,70	0,20
	3329 02 45 01	Black	LED	E40	45w	720,00	0,70	0,20

* Supplied in a standard manner with 5400° K

Monar - LED E40 - Prismatic polycarbonate

LED	Includes driver and LED lamp E-40						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3329 02 34 02	Black	LED	E40	34w	644,80	0,70	0,20
	3329 02 39 02	Black	LED	E40	39w	679,20	0,70	0,20
	3329 02 45 02	Black	LED	E40	45w	720,00	0,70	0,20

* Supplied in a standard manner with 5400° K

Monar - High Pressure Sodium - Without closing

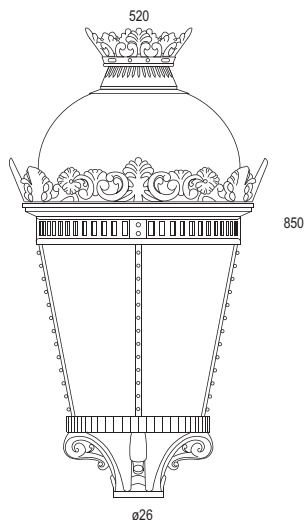
HPS	Includes control gear and HIGH PRESSURE SODIUM lamp						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3344 02 10 00	Black	SON-T	E-40	100	392,60	0,70	0,30
	3344 02 15 00	Black	SON-T	E-40	150	406,30	0,70	0,30

Monar - High Pressure Sodium - Matt polycarbonate

HPS	Includes closing, control gear and HIGH PRESSURE SODIUM lamp						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3344 02 10 01	Black	SON-T	E-40	100	400,70	0,70	0,30
	3344 02 15 01	Black	SON-T	E-40	150	414,40	0,70	0,30

Monar - High Pressure Sodium - Prismatic polycarbonate

HPS	Includes closing, control gear and HIGH PRESSURE SODIUM lamp						RAEE	
	Ref.	Colour	Lamp	L/H	W	€	lum.	lamp
	3344 02 10 02	Black	SON-T	E-40	100	400,80	0,70	0,30
	3344 02 15 02	Black	SON-T	E-40	150	414,50	0,70	0,30



Monar - Metal halide - Without closing



Includes control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3345 02 10 00	Black	CDO TT	E-40	100W	445,50	0,70 0,30
3345 02 15 00	Black	CDO TT	E-40	150W	449,25	0,70 0,30
3345 02 25 00	Black	CDO TT	E-40	250W	521,50	0,70 0,30

Monar - Metal halide - Matt polycarbonate



Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3345 02 10 01	Black	CDO TT	E-40	100W	453,60	0,70 0,30
3345 02 15 01	Black	CDO TT	E-40	150W	457,35	0,70 0,30
3345 02 25 01	Black	CDO TT	E-40	250W	529,60	0,70 0,30

Monar - Metal halide - Prismatic polycarbonate

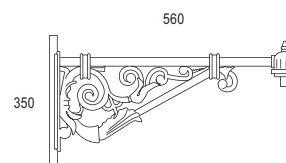


Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3345 02 10 02	Black	CDO TT	E-40	100W	453,70	0,70 0,30
3345 02 15 02	Black	CDO TT	E-40	150W	457,45	0,70 0,30
3345 02 25 02	Black	CDO TT	E-40	250W	529,70	0,70 0,30



Ref. 3331
Wall-adaptor



ACCESSORIES

Rough price increase of accessories

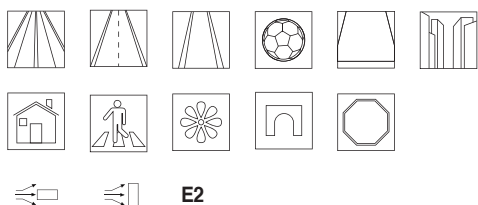
Ref.	Description	€
Ref. 3331	Wall-adaptor for sustained lamps	95,20



Ecodut LED

Protection degree optic group IP65

- Material:** Conformed in thermo-painted injected aluminium.
- Optics:** It is supplied with transparent polycarbonate closing.
- Supply:** Driver for each kind of lamp and power is included.
- Lamps:** Osram Golden Dragon Plus LED.
- Installation:** Adapter for mounting on posts in vertical or horizontal position.
- Colours:** Grey color. It is available upon request in other RAL colors.
- Options:** LED lamps available (p. 464) for replacement.



Ecodut - 28 LED - Transparent closing



Includes closing, driver and 28 LED

LED	Ref.	Colour	Lamp	W	mA	lumen.	€	RAEE lum.
	3353 58 33 86	Grey	LED	33,6w	350	3248	487,50	0,70
	3353 58 50 86	Grey	LED	50,8w	530	4384,8	525,40	0,70
	3353 58 67 86	Grey	LED	67,2w	700	5521,6	543,30	0,70

* Supplied in a standard manner with 6500° K

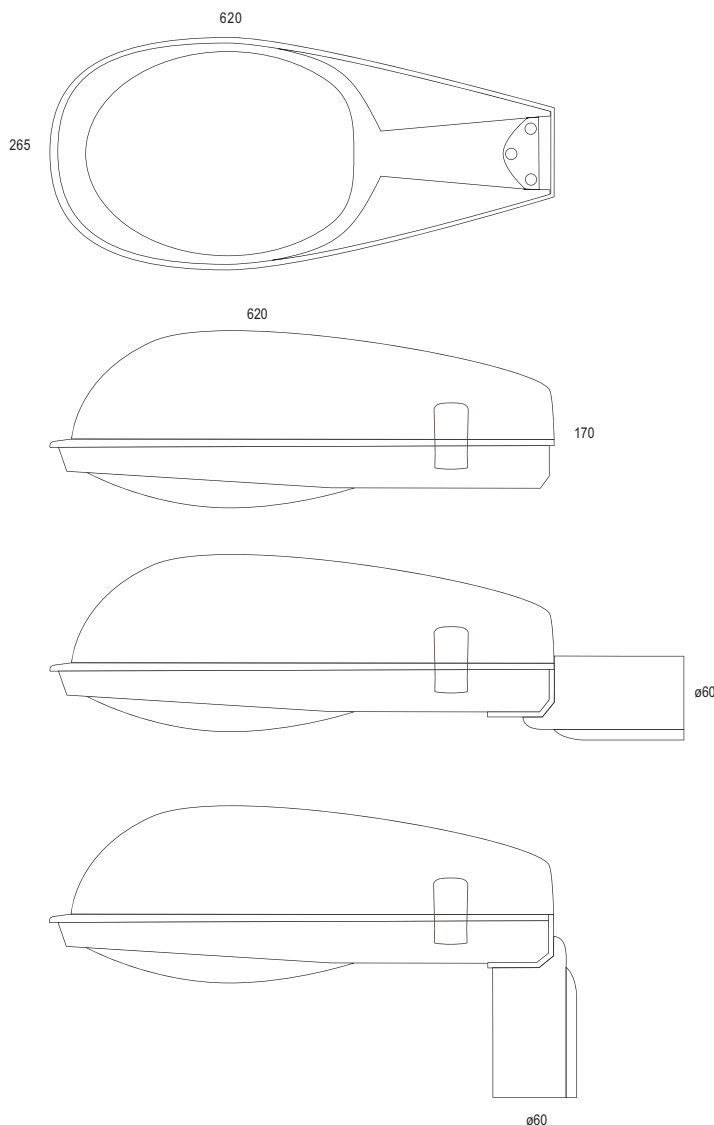
Ecodut - 4 LED - Transparent closing



Includes closing, driver and 4 LED CREE 30W

LED	Ref.	Colour	Lamp	W	mA	lumen.	€	RAEE lum.
	3353 58 12 86	Grey	LED	120w	700	6264	798,60	0,70

* Supplied in a standard manner with 6500° K



OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS

Rough price increase of optics	€
Ref. 3406 Symmetric optics 37°	96,20
Ref. 3407 Asymmetric optics	98,20

DIMMABLE 1-10V OPTIONS

Rough price increase of control gear	Dimmable 1-10v	€
Ref. BR633 28 LED - 33,6w		38,00
Ref. BR650 28 LED - 50,8w		90,00
Ref. BR667 28 LED - 67,2w		110,00

DIMMABLE DALI OPTIONS

Rough price increase of control gear	Dimmable Dali	€
Ref. TD633 28 LED - 33,6w		39,00
Ref. TD650 28 LED - 50,8w		92,00
Ref. TD667 28 LED - 67,2w		112,00

Ecodut

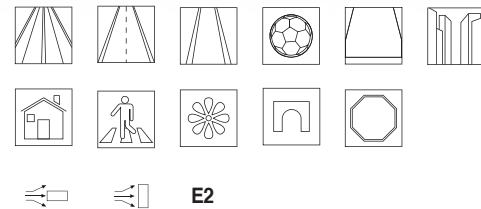
Protection degree optic group IP65 / Protection degree container equipment IP44

- Material:** Conformed in thermo-painted injected aluminium.
- Optics:** Aluminium reflector for horizontal lamps including protective hermetic glass. It is supplied with transparent polycarbonate closing.
- Supply:** Control gear is included.
- Lamps:** High-pressure sodium lamps from 50 to 250watts, white sodium lamp 100watts, or metal halide lamps from 45 to 250watts.
- Installation:** It includes adapter for mounting on posts in vertical or horizontal position.
- Colours:** Grey color. It is available upon request in other RAL colors.



ECODUT - EMPTY LAMP

Ref.	Description	€
3346 58	Empty lamp with transparent polycarbonate closing and IP65 reflector	192,60



Ecodut - High Pressure Sodium - Transparent closing

Includes closing, control gear and lamp HIGH PRESSURE SODIUM

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3347 58 50	Grey	SON-T	E-27	50W	300,32	0,70 0,30
3347 58 70	Grey	SON-T	E-27	70W	301,03	0,70 0,30
3347 58 10	Grey	SON-T	E-40	100W	302,58	0,70 0,30
3347 58 15	Grey	SON-T	E-40	150W	315,42	0,70 0,30
3347 58 25	Grey	SON-T	E-40	250W	329,84	0,70 0,30

Ecodut - White sodium - Transparent closing

Includes closing, control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3348 58 15	Grey	SDW-T	PG12-1	100W	478,40	0,70 0,30

Ecodut - Metal halide - Transparent closing

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3349 58 70	Grey	CDM-T	G-12	70W	361,51	0,70 0,30
3349 58 15	Grey	CDM-T	G-12	150W	372,33	0,70 0,30

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3350 58 50	Grey	CDO TT	E-27	50W	348,28	0,70 0,30
3350 58 70	Grey	CDO TT	E-27	70W	352,69	0,70 0,30
3350 58 10	Grey	CDO TT	E-40	100W	356,58	0,70 0,30
3350 58 15	Grey	CDO TT	E-40	150W	360,88	0,70 0,30
3350 58 25	Grey	CDO TT	E-40	250W	436,38	0,70 0,30

Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3351 58 45	Grey	CPO-TW	PGZ12	45W	497,38	0,70 0,30
3351 58 60	Grey	CPO-TW	PGZ12	60W	498,01	0,70 0,30
3351 58 90	Grey	CPO-TW	PGZ12	90W	522,48	0,70 0,30
3351 58 14	Grey	CPO-TW	PGZ12	140W	539,59	0,70 0,30



Se suministra with accesorio para lamppost en ángulo 90° o 180°.

DIMMABLE 1-10V OPTIONS

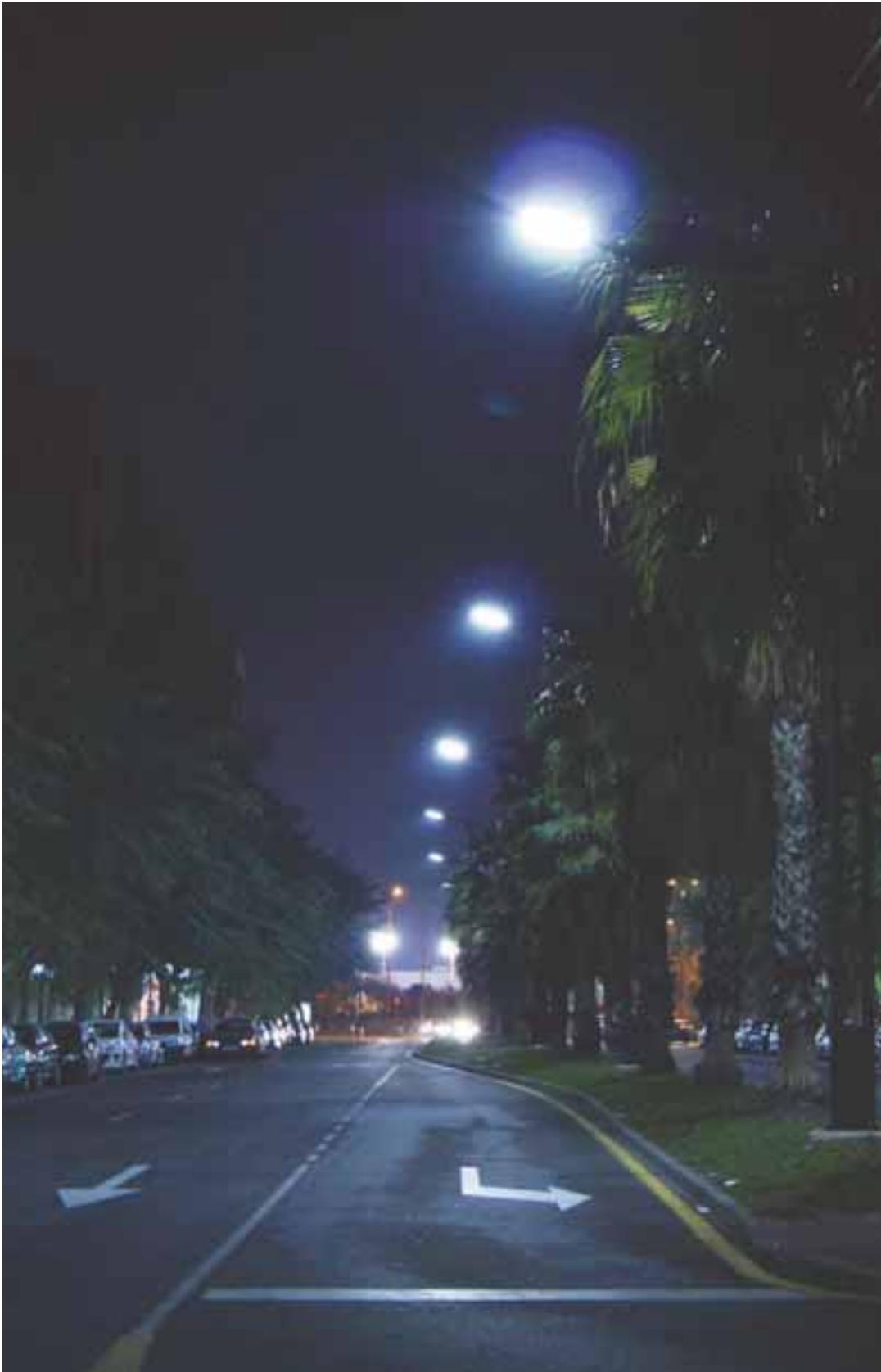
Rough price increase of control gear		Dimmable 1-10v €
Ref. BR470	High pressure sodium / SON-T 70w	177,10
Ref. BR4100	High pressure sodium / SON-T 100w	177,10
Ref. BR4150	High pressure sodium / SON-T 150w	180,92
Ref. BR270	Metal halide / CDO TT 70w	177,10
Ref. BR2100	Metal halide / CDO TT 100w	177,10
Ref. BR2150	Metal halide / CDO TT 150w	180,92

DIMMABLE DALI OPTIONS

Rough price increase of control gear		Dimmable Dali €
Ref. TD450	High pressure sodium / SON-T 50w	178,20
Ref. TD470	High pressure sodium / SON-T 70w	178,20
Ref. TD4100	High pressure sodium / SON-T 100w	178,20
Ref. TD4150	High pressure sodium / SON-T 150w	181,20
Ref. TD4250	High pressure sodium / SON-T 250w	224,10
Ref. TD345	Metal halide / CPO-TW 45w	177,10
Ref. TD360	Metal halide / CPO-TW 60w	177,10
Ref. TD390	Metal halide / CPO-TW 90w	180,92
Ref. TD3140	Metal halide / CPO-TW 140w	184,67







Ripa LED

Protection degree optic group IP65

- Material:** Conformed in thermo-painted injected aluminium.
- Optics:** It is supplied with transparent polycarbonate closing.
- Supply:** Driver for each kind of lamp and power is included.
- Lamps:** Osram Golden Dragon Plus LED.
- Installation:** Adapter for mounting on posts in vertical or horizontal position.
- Colours:** Grey color. It is available upon request in other RAL colors.
- Options:** LED lamps available (p. 464) for replacement.



Ripa - 28 LED - Transparent closing



Includes driver, and 28 LED

	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
LED	3361 58 33 86	Grey	LED	33,6w	350	3248	562,70	0,70
	3361 58 50 86	Grey	LED	50,8w	530	4384,8	602,70	0,70
	3361 58 67 86	Grey	LED	67,2w	700	5521,6	628,70	0,70

* Supplied in a standard manner with 6500° K

Ripa - 40 LED - Transparent closing



Includes driver, and 40 LED

	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
LED	3361 58 48 86	Grey	LED	48w	350	4640	721,60	0,70
	3361 58 72 86	Grey	LED	72w	530	6264	761,60	0,70
	3361 58 96 86	Grey	LED	96w	700	7888	812,10	0,70

* Supplied in a standard manner with 6500° K

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS

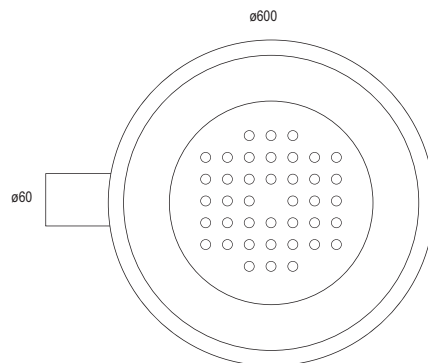
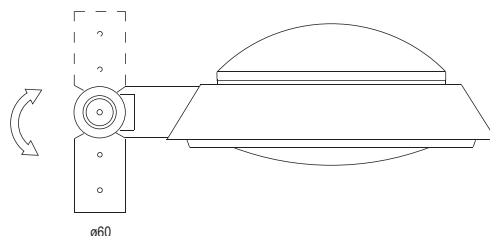
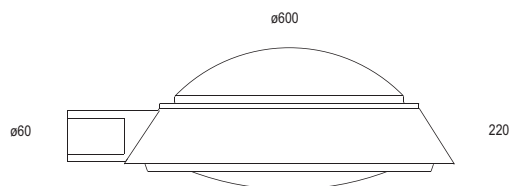
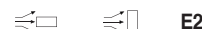
Rough price increase of optics	€
Ref. 3406 Symmetric optics 37°	96,20
Ref. 3407 Asymmetric optics	98,20

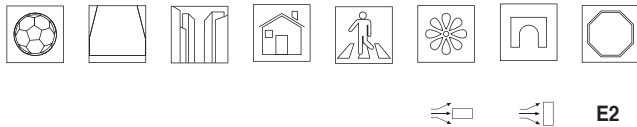
DIMMABLE 1-10V OPTIONS

Rough price increase of control gear	Dimmable 1-10v €
Ref. BR633 28 LED - 33,6w	38,00
Ref. BR650 28 LED - 50,8w	90,00
Ref. BR667 28 LED - 67,2w	110,00
Ref. BR648 40 LED - 48w	90,00
Ref. BR672 40 LED - 72w	110,00
Ref. BR696 40 LED - 96w	120,00

DIMMABLE DALI OPTIONS

Rough price increase of control gear	Dimmable Dali €
Ref. TD633 28 LED - 33,6w	39,00
Ref. TD650 28 LED - 50,8w	92,00
Ref. TD667 28 LED - 67,2w	112,00
Ref. TD648 40 LED - 48w	92,00
Ref. TD672 40 LED - 72w	110,00
Ref. TD696 40 LED - 96w	120,00





Ripa - High Pressure Sodium - Transparent closing

Includes closing, control gear and lamp HIGH PRESSURE SODIUM

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3356 58 50	Grey	SON-T	E-27	50W	381,48	0,70 0,30
3356 58 70	Grey	SON-T	E-27	70W	382,20	0,70 0,30
3356 58 10	Grey	SON-T	E-40	100W	383,25	0,70 0,30
3356 58 15	Grey	SON-T	E-40	150W	396,58	0,70 0,30
3356 58 25	Grey	SON-T	E-40	250W	411,01	0,70 0,30

Ripa - White sodium - Transparent closing

Includes closing, control gear and WHITE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3357 58 15	Grey	SDW-T	PG12-1	100W	559,56	0,70 0,30

Ripa - Metal halide - Transparent closing

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3358 58 70	Grey	CDM-T	G-12	70W	442,68	0,70 0,30
3358 58 15	Grey	CDM-T	G-12	150W	453,18	0,70 0,30

Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3359 58 50	Grey	CDO TT	E-27	50W	429,45	0,70 0,30
3359 58 70	Grey	CDO TT	E-27	70W	433,86	0,70 0,30
3359 58 10	Grey	CDO TT	E-40	100W	437,74	0,70 0,30
3359 58 15	Grey	CDO TT	E-40	150W	442,05	0,70 0,30
3359 58 25	Grey	CDO TT	E-40	250W	517,54	0,70 0,30

Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3360 58 45	Grey	CPO-TW	PGZ12	45W	578,65	0,70 0,30
3360 58 60	Grey	CPO-TW	PGZ12	60W	579,18	0,70 0,30
3360 58 90	Grey	CPO-TW	PGZ12	90W	603,64	0,70 0,30
3360 58 14	Grey	CPO-TW	PGZ12	140W	620,76	0,70 0,30

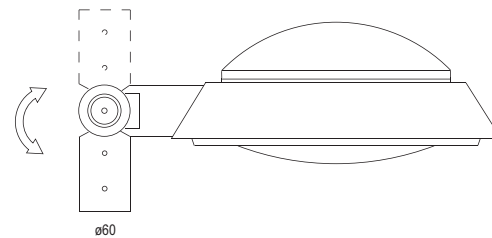
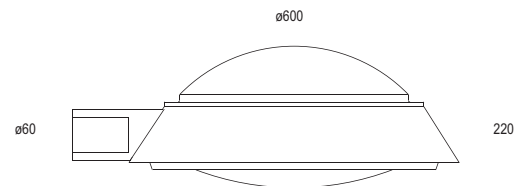
Ripa

Protection degree optic group IP65 / Protection degree container equipment IP44

- Material:** Conformed in thermo-painted injected aluminium. Aluminium reflector for horizontal lamps including protective hermetic glass.
- Optics:** It is supplied with transparent polycarbonate closing.
- Supply:** Control gear is included.
- Lamps:** High-pressure sodium lamps from 50 to 250watts, white sodium lamp 100watts, or metal halide lamps from 45 to 250watts.
- Installation:** It includes adapter for mounting on posts in vertical or horizontal position.
- Colours:** Grey color. It is available upon request in other RAL colors.

RIPA - EMPTY LAMP

Ref.	Description	€
3355 58	Empty lamp with transparent polycarbonate closing and IP65 reflector	267,40



DIMMABLE 1-10V OPTIONS

Ref.	Description	Dimmable 1-10v €
Ref. BR470	High pressure sodium / SON-T 70w	177,10
Ref. BR4100	High pressure sodium / SON-T 100w	177,10
Ref. BR4150	High pressure sodium / SON-T 150w	180,92
Ref. BR270	Metal halide / CDO TT 70w	177,10
Ref. BR2100	Metal halide / CDO TT 100w	177,10
Ref. BR2150	Metal halide / CDO TT 150w	180,92

DIMMABLE DALI OPTIONS

Ref.	Description	Dimmable Dali €
Ref. TD450	High pressure sodium / SON-T 50w	178,20
Ref. TD470	High pressure sodium / SON-T 70w	178,20
Ref. TD4100	High pressure sodium / SON-T 100w	178,20
Ref. TD4150	High pressure sodium / SON-T 150w	181,20
Ref. TD4250	High pressure sodium / SON-T 250w	224,10
Ref. TD345	Metal halide / CPO-TW 45w	177,10
Ref. TD360	Metal halide / CPO-TW 60w	177,10
Ref. TD390	Metal halide / CPO-TW 90w	180,92
Ref. TD3140	Metal halide / CPO-TW 140w	184,67



Ray Ben LED

Protection degree optic group IP65

- Material:** Conformed in thermo-painted injected aluminium.
- Optics:** It is supplied with transparent polycarbonate closing.
- Supply:** Driver for each kind of lamp and power is included.
- Lamps:** Osram Golden Dragon Plus LED.
- Installation:** Adapter for mounting on posts.
- Colours:** Grey color. It is available upon request in other RAL colors.
- Options:** LED lamps available (p. 464) for replacement.

Ray Ben - 28 LED - Transparent closing



Includes driver, and 28 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3369 58 33 86	Grey	LED	33,6w	350	3248	703,90	0,70
	3369 58 50 86	Grey	LED	50,8w	530	4384,8	743,90	0,70
	3369 58 67 86	Grey	LED	67,2w	700	5521,6	763,90	0,70

* Supplied in a standard manner with 6500° K

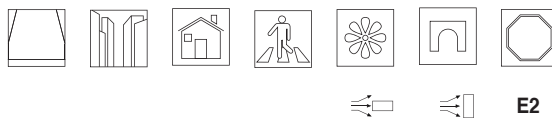
Ray Ben - 40 LED - Transparent closing



Includes driver, and 40 LED

LED	Ref.	Colour	Lamp	W	mA	Lumen.	€	RAEE lum.
	3369 58 48 86	Grey	LED	48w	350	4640	798,90	0,70
	3369 58 72 86	Grey	LED	72w	530	6264	838,90	0,70
	3369 58 96 86	Grey	LED	96w	700	7888	865,90	0,70

* Supplied in a standard manner with 6500° K



E2

OPTIONS LED	Ref. 83	Ref. 85	Ref. 86
IRC / Colour temperature	3300°K	5400°K	6500°K
Osram Dragon - X	•	•	•

OPTIONS

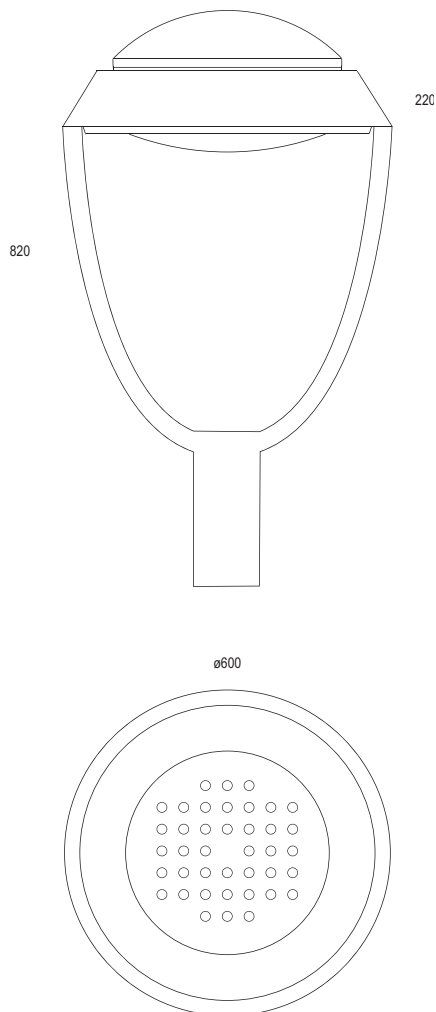
Rough price increase of optics	€
Ref. 3406 Symmetric optics 37°	96,20
Ref. 3407 Asymmetric optics	98,20

DIMMABLE 1-10V OPTIONS

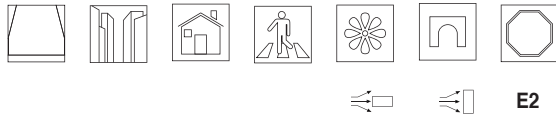
Rough price increase of control gear	Dimmable 1-10v
	€
Ref. BR633 28 LED - 33,6w	38,00
Ref. BR650 28 LED - 50,8w	90,00
Ref. BR667 28 LED - 67,2w	110,00
Ref. BR648 40 LED - 48w	90,00
Ref. BR672 40 LED - 72w	110,00
Ref. BR696 40 LED - 96w	120,00

DIMMABLE DALI OPTIONS

Rough price increase of control gear	Dimmable Dali
	€
Ref. TD633 28 LED - 33,6w	39,00
Ref. TD650 28 LED - 50,8w	92,00
Ref. TD667 28 LED - 67,2w	112,00
Ref. TD648 40 LED - 48w	92,00
Ref. TD672 40 LED - 72w	110,00
Ref. TD696 40 LED - 96w	20,00



Ray Ben LED / Ray Ben LED



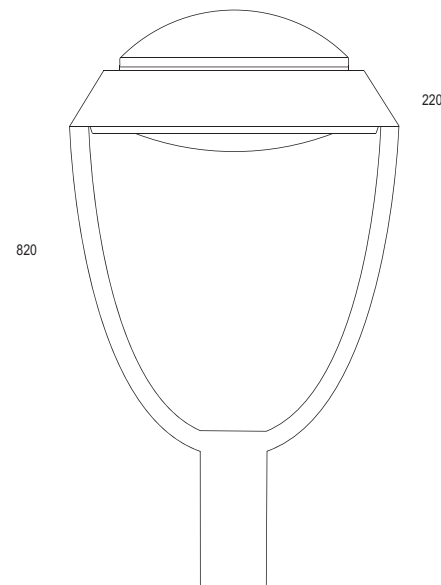
Ray Ben

Protection degree optic group IP65 / Protection degree container equipment IP44

- Material:** Made in thermo-painted injected aluminium.
- Optics:** Aluminium reflector for horizontal lamps including protective hermetic glass.
- Supply:** It is supplied with transparent polycarbonate closing. Control gear is included.
- Lamps:** High-pressure sodium lamps from 50 to 250watts, white sodium lamp 100watts, or metal halide lamps from 45 to 250watts.
- Installation:** It includes adapter for mounting on posts.
- Colours:** Grey color. It is available upon request in other RAL colors.

RAY BEN - EMPTY LAMP

		€
Ref. 3363 58	Empty lamp with transparent polycarbonate closing and IP65 reflector	402,90



Ray Ben - High Pressure Sodium - Transparent closing



Includes closing, control gear and HIGH PRESSURE SODIUM lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3364 58 50	Grey	SON-T	E-27	50W	529,74	0,70 0,30
3364 58 70	Grey	SON-T	E-27	70W	530,46	0,70 0,30
3364 58 10	Grey	SON-T	E-40	100W	532,01	0,70 0,30
3364 58 15	Grey	SON-T	E-40	150W	544,84	0,70 0,30
3364 58 25	Grey	SON-T	E-40	250W	559,23	0,70 0,30

Ray Ben - White sodium - Transparent closing



Includes closing, control gear and lamp SODIUM BLANCO

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3365 58 15	Grey	SDW-T	PG12-1	100W	707,82	0,70 0,30

Ray Ben - Metal halide - Transparent closing



Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3366 58 70	Grey	CDM-T	G-12	70W	590,94	0,70 0,30
3366 58 15	Grey	CDM-T	G-12	150W	601,12	0,70 0,30



Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3367 58 50	Grey	CDO TT	E-27	50W	577,71	0,70 0,30
3367 58 70	Grey	CDO TT	E-27	70W	582,12	0,70 0,30
3367 58 10	Grey	CDO TT	E-40	100W	586,00	0,70 0,30
3367 58 15	Grey	CDO TT	E-40	150W	590,31	0,70 0,30
3367 58 25	Grey	CDO TT	E-40	250W	666,85	0,70 0,30



Includes closing, control gear and COSMOPOLIS lamp

Ref.	Colour	Lamp	L/H	W	€	RAEE lum. lamp
3368 58 45	Grey	CPO-TW	PGZ12	45W	726,81	0,70 0,30
3368 58 60	Grey	CPO-TW	PGZ12	60W	727,44	0,70 0,30
3368 58 90	Grey	CPO-TW	PGZ12	90W	751,90	0,70 0,30
3368 58 14	Grey	CPO-TW	PGZ12	140W	769,02	0,70 0,30

DIMMABLE 1-10V OPTIONS

		Dimmable 1-10v €
<i>Rough price increase of control gear</i>		
Ref. BR470	High pressure sodium / SON-T 70w	177,10
Ref. BR4100	High pressure sodium / SON-T 100w	177,10
Ref. BR4150	High pressure sodium / SON-T 150w	180,92
Ref. BR270	Metal halide / CDO TT 70w	177,10
Ref. BR2100	Metal halide / CDO TT 100w	177,10
Ref. BR2150	Metal halide / CDO TT 150w	180,92

DIMMABLE DALI OPTIONS

		Dimmable Dali €
<i>Rough price increase of control gear</i>		
Ref. TD450	High pressure sodium / SON-T 50w	178,20
Ref. TD470	High pressure sodium / SON-T 70w	178,20
Ref. TD4100	High pressure sodium / SON-T 100w	178,20
Ref. TD4150	High pressure sodium / SON-T 150w	181,20
Ref. TD4250	High pressure sodium / SON-T 250w	224,10
Ref. TD345	Metal halide / CPO-TW 45w	177,10
Ref. TD360	Metal halide / CPO-TW 60w	177,10
Ref. TD390	Metal halide / CPO-TW 90w	180,92
Ref. TD3140	Metal halide / CPO-TW 140w	184,67





Corde lamppost

Post: Telescopic
Section: Circular
Material: Steel S235R according to UNE EN 10025. Manufactures according to UNE EN 40
Height: Up to 4 meters.
Colors: Standard finish galvanized according to UNE EN ISO 1461:1999. It can be supplied upon request in any RAL color.

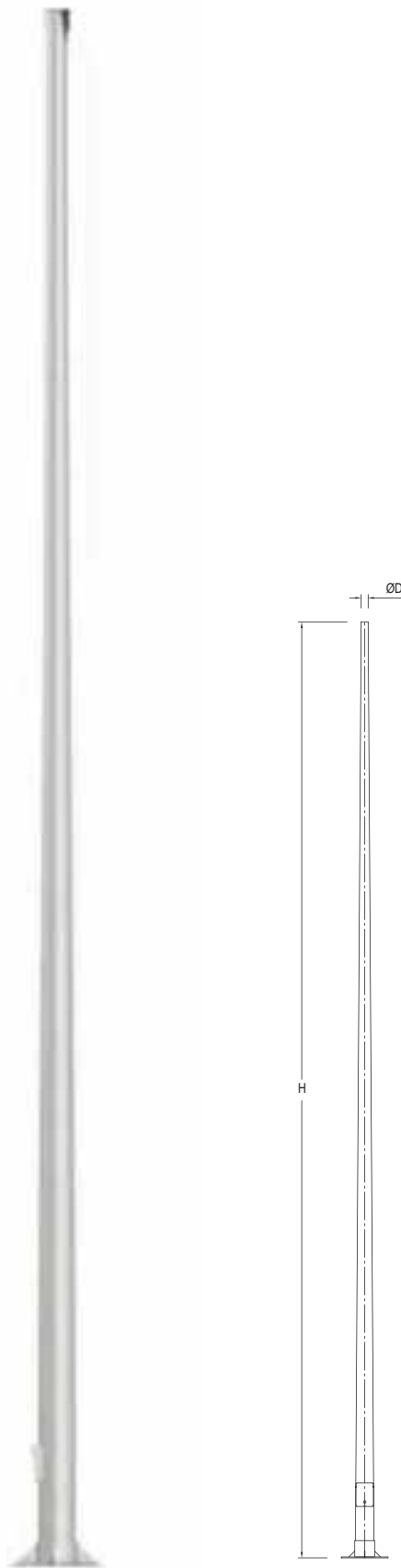
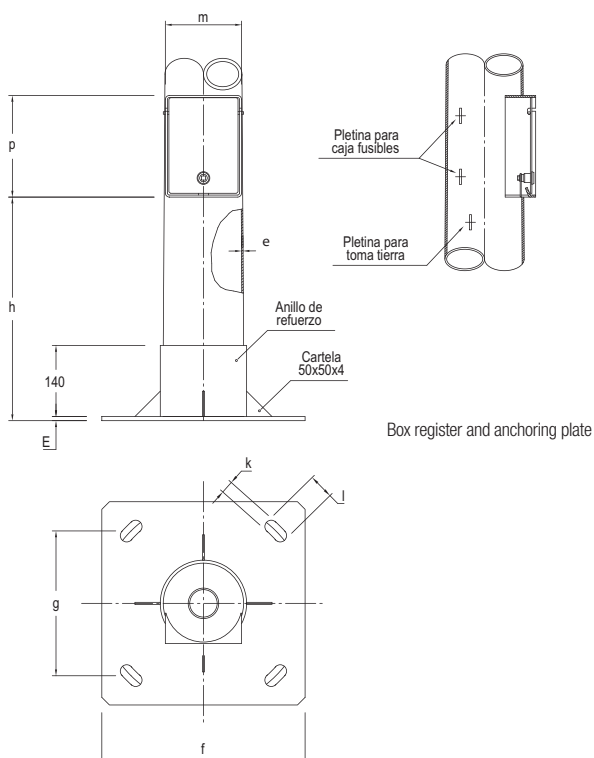
Includes street lamp post

Ref.	Height (H)	€
3408 30	3,6m	549,00
3408 40	4m	598,60



Vaus lamppost

Post: Cone-shaped
 Conic tapering: 12,5%
 Section: Circular
 Material: Steel S235R according to UNE EN 10025
 Manufactures according to UNE EN 40
 Height: Up to 14 meters.
 Colors: Standard finish galvanized according to UNE EN ISO 1461:1999. It can be supplied upon request in any RAL color.



Includes street lamp post

Ref.	Height (H)	Steel thickness (E)	\varnothing Final (D)	Bolts \varnothing / L	€
3394 76 25	4m	2,5mm	76mm	M-14x400	354,10
3394 76 30	4m	3mm	76mm	M-14x400	389,72
3395 76 25	4,5m	2,5mm	76mm	M-14x400	389,90
3396 60 25	5m	2,5mm	60mm	M-14x400	400,30
3396 60 30	5m	3mm	60mm	M-14x400	444,12
3396 76 25	5m	2,5mm	76mm	M-14x400	433,22
3396 76 30	5m	3 mm	76mm	M-14x400	499,82
3397 60 25	6m	2,5mm	60mm	M-16x500	474,95
3397 76 30	6m	3mm	76mm	M-16x500	590,10
3398 60 30	7m	3mm	60mm	M-18x600	612,25
3398 76 30	7m	3mm	76mm	M-18x600	663,20
3399 60 30	8m	3mm	60mm	M-18x600	687,82
3399 76 30	8m	3mm	76mm	M-18x600	756,21
3400 60 30	9m	3mm	60mm	M-18x600	786,42
3400 76 30	9m	3mm	76mm	M-18x600	885,62
3401 60 40	10m	4mm	60mm	M-20x700	1052,10
3401 76 40	10m	4mm	76mm	M-20x700	1218,60
3402 60 40	11m	4mm	60mm	M-22x700	1340,20
3402 76 40	11m	4mm	76mm	M-22x700	1396,24
3403 60 40	12m	4mm	60mm	M-22x700	1339,26
3403 76 40	12m	4mm	76mm	M-22x700	1396,35
3404 60 40	14m	4mm	60mm	M-24x700	1678,52
3404 76 40	14m	4mm	76mm	M-22x700	1722,24

* Bolts prices are included in next page.



Foundation detail



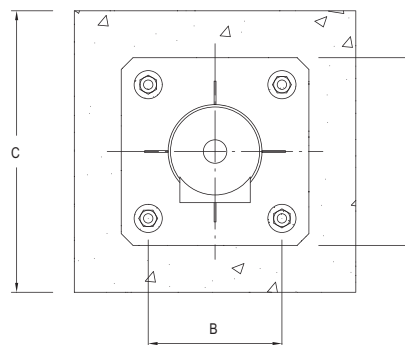
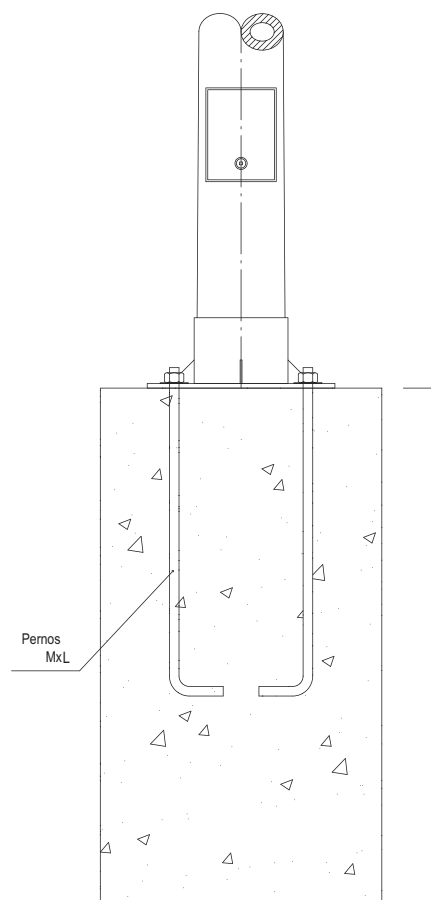
Bolts with double nut and washer (set of 4 units)

Ref.	Bolts ø / L	€
3405 14	M-14x400	23,08
3405 16	M-16x500	34,40
3405 18	M-18x600	51,52
3405 20	M-20x700	65,40
3405 22	M-22x700	82,40



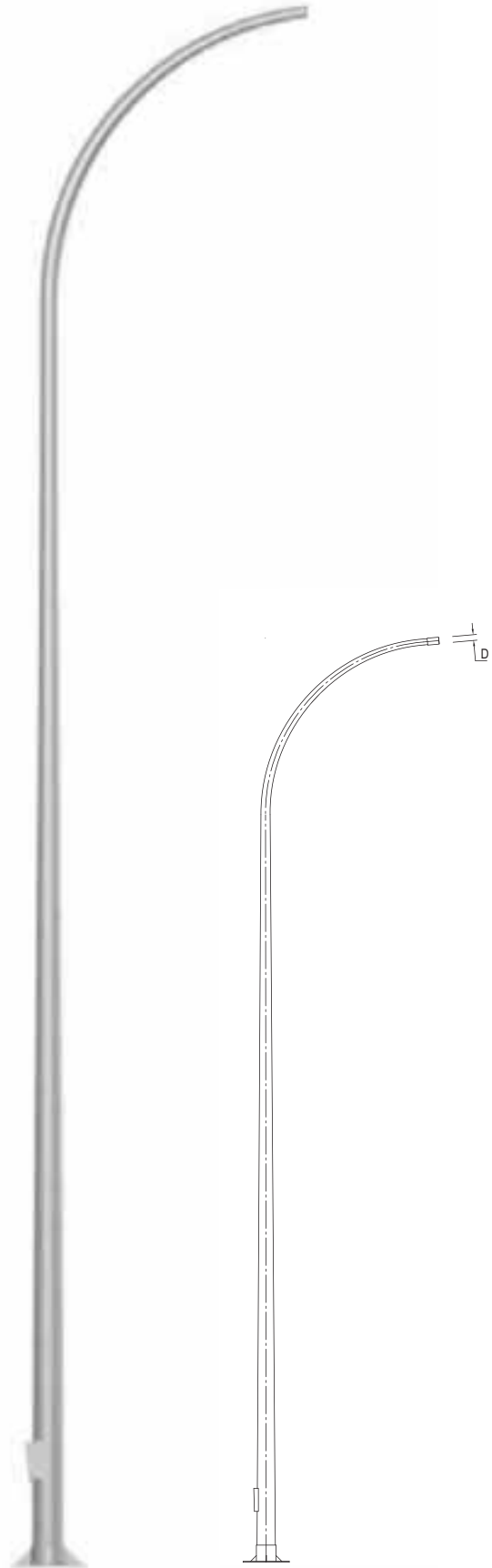
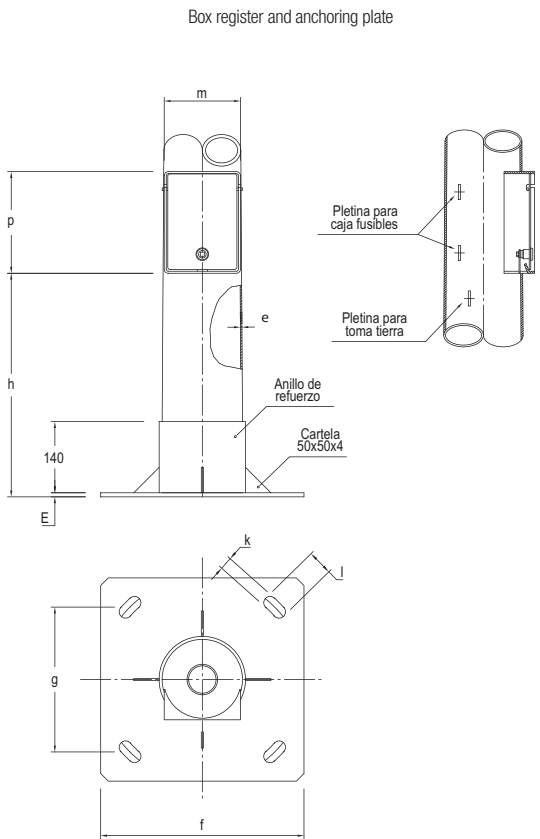
Template to install the bolts

Ref.	€
Ref. 3389	46,00



Vaus lamppost

- Fuste: Cone-shaped
- Conicidad: 12,5‰
- Sección: Circular
- Material: Steel S235R according to UNE EN 10025
Manufactures according to UNE EN 40
- Height: Up to 14 meters.
- Colours: Standard finish galvanized according to UNE EN ISO 1461:1999. It can be supplied upon request in any RAL color.



Includes street lamp post

Ref.	Height (H)	S. thickness (E)	Final (D)	Distance(W)	Bolts ø / L	€
3380 76 25 10	4m	2,5mm	76mm	1m	M-14x400	Request
3380 76 30 10	4m	3mm	76mm	1m	M-14x400	Request
3381 76 25 10	4,5m	2,5mm	76mm	1m	M-14x400	Request
3382 60 25 10	5m	2,5mm	60mm	1m	M-14x400	Request
3382 60 30 10	5m	3mm	60mm	1m	M-14x400	Request
3383 60 30 15	8m	3mm	60mm	1,5m	M-18x600	824,55
3384 60 30 15	9m	3mm	60mm	1,5m	M-18x600	916,75
3385 60 40 15	10m	4mm	60mm	1,5m	M-20x700	1184,68
3386 60 40 15	12m	4mm	60mm	1,5m	M-22x700	Request
3386 60 40 20	12m	4mm	60mm	2m	M-22x700	Request
3387 60 40 20	14m	4mm	60mm	2m	M-22x700	Request

* Bolts prices are included in next page.

Vaus lamppost



Foundation detail



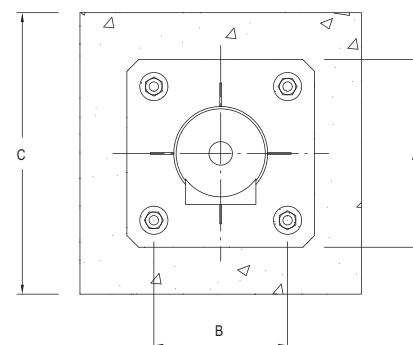
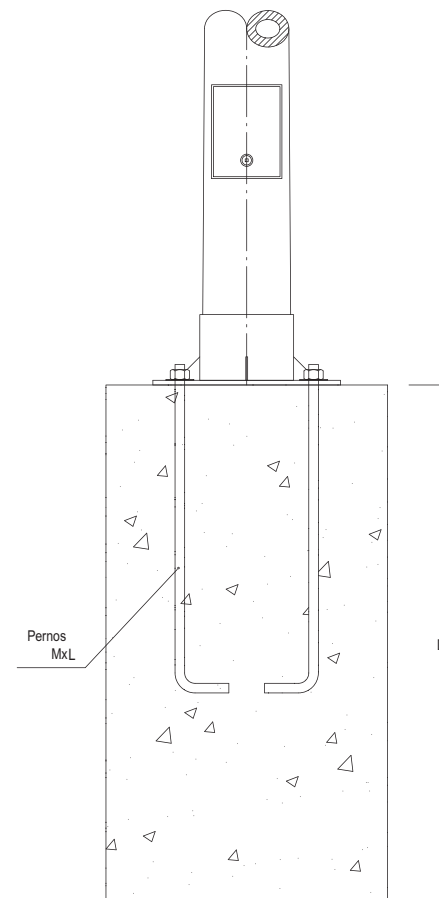
Bolts with double nut and washer (set of 4 units)

Ref.	Bolts ϕ / L	€
3405 14	M-14x400	23,08
3405 16	M-16x500	34,40
3405 18	M-18x600	51,52
3405 20	M-20x700	65,40
3405 22	M-22x700	82,40



Template to install the bolts

Ref.	€
Ref. 3389	46,00



LED optics groups

Optic group IP65 - URA LED



Includes fittings, protection glass, heatsinks, driver and 28 LED



Ref.	Lamp	W	mA	Lumen.	€
3410 28 33 86	LED	33,6w	350	3248	261,70
3410 28 50 86	LED	50,8w	530	4384,8	347,70
3410 28 67 86	LED	67,2w	700	5521,6	377,70

* Supplied in a standard manner with 6500° K



Includes fittings, protection glass, heatsinks, driver and 40 LED



Ref.	Lamp	W	mA	Lumen.	€
3410 40 48 86	LED	48w	350	4640	385,20
3410 40 72 86	LED	72w	530	6264	400,30
3410 40 96 86	LED	96w	700	7888	411,50

* Supplied in a standard manner with 6500° K

Optic group IP65 - REGAL LED



Includes fittings, protection glass, heatsinks, driver and 28 LED



Ref.	Lamp	W	mA	Lumen.	€
3411 28 33 86	LED	33,6w	350	3248	278,80
3411 28 50 86	LED	50,8w	530	4384,8	356,80
3411 28 67 86	LED	67,2w	700	5521,6	392,80

* Supplied in a standard manner with 6500° K

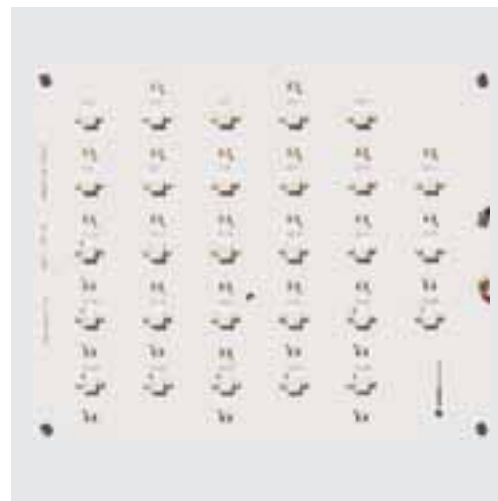


Includes fittings, protection glass, heatsinks, driver and 40 LED



Ref.	Lamp	W	mA	Lumen.	€
3411 40 48 86	LED	48w	350	4640	399,80
3411 40 72 86	LED	72w	530	6264	415,10
3411 40 96 86	LED	96w	700	7888	420,20

* Supplied in a standard manner with 6500° K



Optic group - ECODUT LED



Includes fittings, heatsinks, driver and 28 LED



Ref.	Lamp	W	mA	Lumen.	€
3412 28 33 86	LED	33,6w	350	3248	294,90
3412 28 50 86	LED	50,8w	530	4384,8	332,80
3412 28 67 86	LED	67,2w	700	5521,6	350,70

* Supplied in a standard manner with 6500° K



Includes fittings, heatsinks, driver and 4 LED



Ref.	Lamp	W	mA	Lumen.	€
3412 04 12 86	LED	120w	700	6264	598,20

* Supplied in a standard manner with 6500° K



Optic group - RIPA LED



Includes fittings, heatsinks, driver and 28 LED



Ref.	Lamp	W	mA	Lumen.	€
3413 28 33 86	LED	33,6w	350	3248	295,30
3413 28 50 86	LED	50,8w	530	4384,8	381,30
3413 28 67 86	LED	67,2w	700	5521,6	411,30

* Supplied in a standard manner with 6500° K



Includes fittings, heatsinks, driver and 40 LED



Ref.	Lamp	W	mA	Lumen.	€
3413 40 48 86	LED	48w	350	4640	454,20
3413 40 72 86	LED	72w	530	6264	494,20
3413 40 96 86	LED	96w	700	7888	544,70

* Supplied in a standard manner with 6500° K



Optic group - RAY BEN LED



Includes fittings, heatsinks, driver and 28 LED



Ref.	Lamp	W	mA	Lumen.	€
3414 28 33 86	LED	33,6w	350	3248	295,30
3414 28 50 86	LED	50,8w	530	4384,8	381,30
3414 28 67 86	LED	67,2w	700	5521,6	411,30

* Supplied in a standard manner with 6500° K



Includes fittings, heatsinks, driver and 40 LED



Ref.	Lamp	W	mA	Lumen.	€
3414 40 48 86	LED	48w	350	4640	454,20
3414 40 72 86	LED	72w	530	6264	494,20
3414 40 96 86	LED	96w	700	7888	544,70

* Supplied in a standard manner with 6500° K



LED optics groups.

They allow a quick and efficient replacement of conventional bulbs in pre-existing lamps.

We manufacture LED headlights for any lamp existing, and it allow us to replace them in our installations.



Accessories

Lighting

Price list

Automatic lighting systems

LED Lamps and modules

Lighting LED Lamps

Sheets PBC LED

Conventional lamps

Electronics ballasts

Drivers

Support for recessed

Other accessories



Automatic lighting system Low consumption lamps

Lighting control DALI system (Actilume)

The main goal of this new automatic dimmable system is to provide comfort and energy savings to the user. These savings are obtained in three ways:

Firstly, this system has a movement detector very sensitive to human movements, turning the light on automatically when someone is in the room. When someone goes out the detector turns the luminaries off.

Secondly, it is possible to save energy by a light sensor for daylight control. When enough daylight gets into the rooms, the quantity of artificial light is regulated so the system provides just the percentage of light needed to complete the light intensity programmed.

Finally, the lights can be controlled manually only by a wired switch with a single push (Touch and Dim)

This Lighting Control System is supplied programmed and wired, making easy the installation.

Components

- 1 Movement sensor and daylight detector
- 1 Electronic ballast tipe DALI
- 1 Controller

Mode selector

Movement detector / sensor

Daylight regulation detector

Personalised light



Movement sensor and daylight detector

This sensor with control an regulate up to nine fixtures. For all kinds low consumption and fluorecence lamps.

Ref.	Presence detector	Flux	Programmable	N° Lumin.	€
SE1	Yes	Yes	Yes	1 a 9	102,79

Controller

This controller regulate up to nine fixtures. For low consumption tipe PL-C/T/R. Regulation by protocol DALI.

Ref.	Presence detector	Flux	Programmable	N° Lumin.	€
C01	Yes	Yes	Yes	1 a 9	115,58

Electronic DALI ballast

For low consumption lamps PL-C/T/R. Regulations by Dali System.

Ref.	Presence detector	Flux	Programmable	N° Lumin/W	€
BD 118	Yes	Yes	Yes	1x18w	92,49
BD 126	Yes	Yes	Yes	1x26w	92,50
BD 132	Yes	Yes	Yes	1x32w	92,51
BD 142	Yes	Yes	Yes	1x42w	92,52
BD 218	Yes	Yes	Yes	2x18w	102,62
BD 226	Yes	Yes	Yes	2x26w	102,63
BD 232	Yes	Yes	Yes	2x32w	102,64
BD 242	Yes	Yes	Yes	2x42w	102,65

LED Lamps and modules



LED dichroic lamp 1,5w.

Ref.	Type / Colour	ø	L/H	V	W	LM	€	RAEE lamp
BDL 02C	LED White warm	50mm	GU5.3	12v	1,5w	96	7,15	0,20
BDLB 02F	LED White cold	50mm	GU5.3	12v	1,5w	120	7,15	0,20
BDLA 02A	LED Blue	50mm	GU5.3	12v	1,5w	96	7,31	0,20

Kit driver and LED dichroic lamp 1,5w.

Ref.	Type / Colour	ø	L/H	V	W	LM	€	RAEE lamp
3294 83	LED White warm	50mm	GU5.3	12v	1,5w	96	14,65	0,20
3294 84	LED White cold	50mm	GU5.3	12v	1,5w	120	14,65	0,20
3294 00	LED Blue	50mm	GU5.3	12v	1,5w	96	14,81	0,20



LED dichroic lamp 1,2w GU-10

RAEE

BGL 02C	LED White warm	50mm	GU-10	220v	1,2w	96	7,53	0,20
BGLB 02F	LED White cold	50mm	GU-10	220v	1,2w	120	7,53	0,20
BGLA 02A	LED Blue	50mm	GU-10	220v	1,2w	96	7,67	0,20



Controlador RGB para lamp LED

Ref.	€
3080	6,79

* It can control a limitless number of lamps within a distance of 2 metres and an angle of 120°. Control lamps infinite because all have the same frequency.

LED lamp MR16 RGB

Ref.	Type	ø	Colour	Lifespan	L/H	Voltaje	W	€	RAEE lamp
3081	LED	50mm	RGB	30000hrs	GU5.3	12V AC/DC	3w	41,80	0,20

Kit driver and LED lamp MR16 RGB

Ref.	Type	ø	Colour	Lifespan	L/H	Voltaje	W	€	RAEE lamp
3293	LED	50mm	RGB	30000hrs	GU5.3	12V AC/DC	3w	49,90	0,20



LED dichroic lamp 4w.

Ref.	Type / Colour	ø	L/H	V	W	LM	€	RAEE lamp
3170 83	LED White warm	50mm	GU-10	220v	4w	180	41,09	0,20
3170 86	LED White cold	50mm	GU-10	220v	4w	240	41,09	0,20



LED dichroic lamp 5w.

Ref.	Type / Colour	ø	L/H	V	W	LM	€	RAEE lamp
BDL 05C	LED White warm	50mm	GU5.3	12v	5w	180	33,20	0,20
BDL 05F	LED White cold	50mm	GU5.3	12v	5w	240	33,20	0,20

* Necesita Driver 350mA.

Kit driver and LED dichroic lamp 5w.

Ref.	Type / Colour	ø	L/H	V	W	LM	€	RAEE lamp
3292 83	LED White warm	50mm	GU5.3	12v	5w	180	40,20	0,20
3292 84	LED White cold	50mm	GU5.3	12v	5w	240	40,20	0,20



Lamp ø 50mm LED 7w GU5.3 12v

Replacement lamps for other types of lamps, such as halogen, since it can work with ferromagnetic transformers and with a high percentage of electronic equipment.

LED lamp 7w with LED CREE.

Ref.	Type / Colour	ø	Bevel	L/H	V	W	LM	€	RAEE lamp
3374	LED 3000°K	50mm	35°	GU5.3	12v	7w	400	48,75	0,20

Kit driver and LED lamp 7w with LED CREE.

Ref.	Type / Colour	ø	Bevel	L/H	V	W	LM	€	RAEE lamp
3375	LED 3000°K	50mm	35°	GU5.3	12v	7w	400	54,75	0,20



LED lamp 7w regulable with LED CREE.

Ref.	Type / Colour	ø	Bevel	L/H	V	W	LM	€	RAEE lamp
3376	LED 3000°K	50mm	35°	GU-10	220v	7w	400	49,50	0,20





LED lamp 7,2w.

Ref.	Type / Colour	Colour Temp.	ø	V	W	LM	€	RAEE lamp
BDL 09C	LED White warm	3300	50mm	-	7,2w	258	42,33	0,20
BDL 09M	LED White medium	5400	50mm	-	7,2w	300	42,33	0,20
BDL 09F	LED White cold	6500	50mm	-	7,2w	315	42,33	0,20

* Supplied with heatsink.
* Needs Driver 700mA 12v.

Kit driver 3-9W 700mA 3-12V and LED lamp 7,2w.

Ref.	Type / Colour	Colour Temp.	ø	V	W	LM	€	RAEE lamp
3142 72 83	LED White warm	3300	50mm	-	7,2w	258	58,20	0,20
3142 72 85	LED White medium	5400	50mm	-	7,2w	300	58,20	0,20
3142 72 86	LED White cold	6500	50mm	-	7,2w	315	58,20	0,20

* Se suministra with disipador termico.



Sistema LED FORTIMO Philips.

Ref.	Type / Colour	Temp. colour	W	LM	€
3062 17 83	Sistema LED White warm	3000 Kº	17w	-	244,68
3062 19 84	Sistema LED White cold	4000 Kº	19w	-	252,97
3062 32 83	Sistema LED White warm	3000 Kº	32w	-	272,10
3062 36 84	Sistema LED White cold	4000 Kº	36w	-	279,05
3062 50 83	Sistema LED Food White warm	3000 Kº	50w	-	483,48
3062 50 84	Sistema LED Food White cold	4000 Kº	50w	-	462,98

* Supplied with heatsink.
* Needs heatsink. Ask.



LED lamp BRIDGELUX (USA).

Ref.	Type / Colour	Temp. colour	W	LM	€
3061 17 83	LED White warm	3000 Kº	17w	-	111,24
3061 17 84	LED White cold	4100 Kº	17w	-	111,24
3061 17 85	LED White cold	5600 Kº	17w	-	69,52
3061 25 83	LED White warm	3000 Kº	25w	-	154,34
3061 25 84	LED White cold	4100 Kº	25w	-	154,34
3061 25 85	LED White cold	5600 Kº	25w	-	88,83
3061 29 85	LED White cold	5600 Kº	29w	-	139,25

* Needs heatsink and power supply unit. Ask.

LED lamp CREE (USA).

Ref.	Type / Colour	Temp. colour	W	LM	€
3061 30 83	LED White warm	3500 Kº	30w	-	139,26

* Needs heatsink and power supply unit. Ask.



Osram LED DRAGON-X 1,2w a 350mA.

Ref.	Type / Colour	Temp. colour	W	LM	€
3060 83	LED White warm	3300 Kº	1,2w	86	12,75
3060 85	LED White medium	5400 Kº	1,2w	100	12,75
3060 86	LED White cold	6500 Kº	1,2w	105	12,75

* Need power supply unit. Ask.



LED lamp-111 12W

Ref.	Type / Colour	ø	L/H	V	W	LM	€	RAEE lamp
BQL 35C	LED White warm	111mm	-	12v	12w	720	92,50	0,20
BQL 35F	LED White cold	111mm	-	12v	12w	960	92,50	0,20

Kit driver 350mA 48V and LED lamp12W

Ref.	Type / Colour	ø	V	W	LM	€	RAEE lamp
3290 83	LED White warm	111mm	12V	12w	720	104,50	0,20
3290 84	LED White cold	111mm	12V	12w	960	104,50	0,20



LED lamp E-27 5,5w.

Ref.	Type / Colour	ø	L/H	W	LM	€	RAEE lamp
3171 83	LED White warm	60mm	E-27	5,5w	280	58,19	0,20
3171 86	LED White cold	60mm	E-27	5,5w	360	58,19	0,20



LED lamp R50.

Ref.	Type	ø	Colour	IRC	Lifespan	L/H	Voltaje	W	LM	€	RAEE lamp
3082	LED	-	4000°K	80	30000hrs	E-14	220-240V AC	4,5w	240	44,49	0,20



LED lamp R63.

Ref.	Type	ø	Colour	IRC	Lifespan	L/H	Voltaje	W	LM	€	RAEE lamp
3083	LED	-	4000°K	80	30000hrs	E-27	220-240V AC	6w	320	57,47	0,20



LED lamp PAR 20.

Ref.	Type	Bevel	Colour	IRC	Lifespan	L/H	Voltaje	W	LM	€	RAEE lamp
3084	LED	38°	4000°K	80	30000hrs	E-27	220-240V AC	6w	320	57,47	0,20



LED lamp PAR 30.

Ref.	Type	Bevel	Colour	IRC	Lifespan	L/H	Voltaje	W	LM	€	RAEE lamp
3085	LED	38°	4000°K	80	30000hrs	E-27	220-240V AC	9w	700	86,10	0,20



LED lamp PAR 38.

Ref.	Type	Bevel	Colour	IRC	Lifespan	L/H	Voltaje	W	LM	€	RAEE lamp
3086	LED	38°	4000°K	80	30000hrs	E-27	220-240V AC	15w	960	139,05	0,20



Lamps Lighting LED®



Kit driver 350mA and LED lamp PL G24d3 4,8W

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3145 83	LED White warm 3300°K	G24d3	120mm	4	4,8w	344	55,90
3145 85	LED White medium 5400°K	G24d3	120mm	4	4,8w	400	55,90
3145 86	LED White cold 6500°K	G24d3	120mm	4	4,8w	420	55,90

Kit driver 350mA and LED lamp PL G24d3 7,2W

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3147 83	LED White warm 3300°K	G24d3	70mm	6	7,2w	516	62,80
3147 85	LED White medium 5400°K	G24d3	70mm	6	7,2w	600	62,80
3147 86	LED White cold 6500°K	G24d3	70mm	6	7,2w	630	62,80



Kit driver 350mA and LED lamp PL G24d3 10,8W

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3149 83	LED White warm 3300°K	G24d3	90mm	9	10,8w	774	90,80
3149 85	LED White medium 5400°K	G24d3	90mm	9	10,8w	900	90,80
3149 86	LED White cold 6500°K	G24d3	90mm	9	10,8w	945	90,80

Kit driver 350mA and LED lamp PL G24d3 14,4W

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3151 83	LED White warm 3300°K	G24d3	120mm	12	14,4w	1032	99,80
3151 85	LED White medium 5400°K	G24d3	120mm	12	14,4w	1200	99,80
3151 86	LED White cold 6500°K	G24d3	120mm	12	14,4w	1260	99,80



Kit driver 350mA and LED lamp PL E40

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3159 30 83	LED White warm 3300°K	E40	210mm	120	34w	3259	265,40
3159 30 85	LED White medium 5400°K	E40	210mm	120	34W	3259	265,40
3159 30 86	LED White cold 6500°K	E40	210mm	120	34W	3259	265,40
3159 36 83	LED White warm 3300°K	E40	210mm	140	39w	3800	299,80
3159 36 85	LED White medium 5400°K	E40	210mm	140	39W	3800	299,80
3159 36 86	LED White cold 6500°K	E40	210mm	140	39W	3800	299,80
3159 42 83	LED White warm 3300°K	E40	210mm	160	45w	4345	340,60
3159 42 85	LED White medium 5400°K	E40	210mm	160	45W	4345	340,60
3159 42 86	LED White cold 6500°K	E40	210mm	160	45W	4345	340,60



Kit driver 350mA and LED lamp T8

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3163 09 83	LED White warm 3300°K	T8	600mm	27	9w	774	73,90
3163 09 85	LED White medium 5400°K	T8	600mm	27	9w	800	73,90
3163 09 86	LED White cold 6500°K	T8	600mm	27	9w	840	73,90
3163 15 83	LED White warm 3300°K	T8	1200mm	49	15w	1118	111,20
3163 15 85	LED White medium 5400°K	T8	1200mm	49	15w	1300	111,20
3163 15 86	LED White cold 6500°K	T8	1200mm	49	15w	1365	111,20
3163 25 83	LED White warm 3300°K	T8	1200mm	49	25w	1628	156,80
3163 25 85	LED White medium 5400°K	T8	1200mm	49	25w	1850	156,80
3163 25 86	LED White cold 6500°K	T8	1200mm	49	25w	1990	156,80
3163 20 83	LED White warm 3300°K	T8	1500mm	63	19w	1462	154,90
3163 20 85	LED White medium 5400°K	T8	1500mm	63	19w	1700	154,90
3163 20 86	LED White cold 6500°K	T8	1500mm	63	19w	1785	154,90
3163 32 83	LED White warm 3300°K	T8	1500mm	63	32w	1995	192,20
3163 32 85	LED White medium 5400°K	T8	1500mm	63	32w	2320	192,20
3163 32 86	LED White cold 6500°K	T8	1500mm	63	32w	2490	192,20



Sheets PCB LED



Sheet PCB MODUS

Ref.	Type / Colour	Tc.°k	N° LED	W	LM	€
3220 83	LED White warm	3300	3	7,2w	516	27,10
3220 85	LED White medium	5400	3	7,2w	600	27,15
3220 86	LED White cold	6500	3	7,2w	630	27,15



Sheet PCB MINIDUCTO

Ref.	Type / Colour	TC.°k	N° LED	W	LM	€
3274 83	LED White warm	3300°K	6	14,4w	1032	59,50
3274 85	LED White medium	5400°K	6	14,4w	1200	57,60
3274 86	LED White cold	6500°K	6	14,4w	1260	57,60



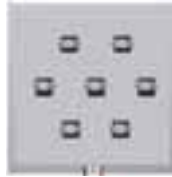
Sheet PCB DUCTO MEDIUM

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3275 83	LED White warm	3300	9	21,6w	1548	77,50
3275 85	LED White medium	5400	9	21,6w	1800	76,20
3275 86	LED White cold	6500	9	21,6w	1890	76,20



Sheet PCB DUCTO

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3273 83	LED White warm	3300	13	31,2w	2236	105,30
3273 85	LED White medium	5400	13	31,2w	2600	98,60
3273 86	LED White cold	6500	13	31,2w	2730	98,60



Sheet PCB MICRA

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3276 83	LED White warm	3300	7	16,8w	1204	62,60
3276 85	LED White medium	5400	7	16,8w	1400	60,10
3276 86	LED White cold	6500	7	16,8w	1470	60,10



Sheet PCB SATO

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3277 83	LED White warm	3300	14	33,6w	2408	98,20
3277 85	LED White medium	5400	14	33,6w	2800	96,10
3277 86	LED White cold	6500	14	33,6w	2940	96,10



Sheet PCB TENKO

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3279 83	LED White warm	3300	16	38w	2752	140,80
3279 85	LED White medium	5400	16	38w	3200	136,20
3279 86	LED White cold	6500	16	38w	3360	136,20



Sheet PCB LIKON

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3271 83	LED White warm	3300	16	38w	2752	150,60
3271 85	LED White medium	5400	16	38w	3200	145,50
3271 86	LED White cold	6500	16	38w	3360	145,50

Sheet PCB LIKON

Ref.	Type / Colour	Tc°k	N° LED	W	LM	€
3272 83	LED White warm	3300	20	48w	3440	158,10
3272 85	LED White medium	5400	20	48w	4000	150,20
3272 86	LED White cold	6500	20	48w	4200	150,20

Sheet PCB T8

Ref.	Type / Colour	L/H	Sheet	N° LED	W	LM	€
3372 09 83	LED White warm 3300°K	T8	600mm	27	9w	774	31,20
3372 09 85	LED White medium 5400°K	T8	600mm	27	9w	800	29,90
3372 09 86	LED White cold 6500°K	T8	600mm	27	9w	840	29,90
3372 15 83	LED White warm 3300°K	T8	1200mm	49	15w	1118	46,23
3372 15 85	LED White medium 5400°K	T8	1200mm	49	15w	1300	43,80
3372 15 86	LED White cold 6500°K	T8	1200mm	49	15w	1365	43,80
3372 20 83	LED White warm 3300°K	T8	1500mm	63	19w	1462	57,20
3372 20 85	LED White medium 5400°K	T8	1500mm	63	19w	1700	55,32
3372 20 86	LED White cold 6500°K	T8	1500mm	63	19w	1785	55,32



Conventional lamps



Halogen lamp Bipin.

Ref.	L/H	V	W	€
BB 10	G-4	12v	10w	1,29
BB 20	G-4	12v	20w	1,29



Halogen lamp Bipin direct G-9

Ref.	L/H	V	W	€
BG 25	G-9	220v	25w	8,06
BG 40	G-9	220v	40w	8,06
BG 60	G-9	220v	60w	8,06
BG 75	G-9	220v	75w	8,06



Dichroic halogen lamp.

Ref.	Type	ø	L/H	V	W	€
BD 50	Dich. Closed	50mm	GU5.3	12v	50w	2,03
BD 35	Dich. Closed	35mm	GU5.3	12v	35w	2,03
BD2 50	Dich. Closed	50mm	GU5.3	220v	50w	6,30



Dichroic halogen lamp GU-10

Ref.	Type	ø	L/H	V	W	€
BDG 50	Dich. Closed	50mm	GU-10	220v	50w	6,61



Direct reflective lamp 11w

Ref.	Type	ø	L/H	V	W	€	RAEE lamp.
BGR 09	Low consumption	50mm	GU-10	220v	11w	9,47	0,20



Halogen lamp QR-111.

Ref.	ø	Bevel	L/H	V	W	€
BQ 35 04	111mm	4°	G53	12v	35w	17,30
BQ 35 24	111mm	24°	G53	12v	35w	17,30
BQ 50 04	111mm	4°	G53	12v	50w	17,30
BQ 50 08	111mm	8°	G53	12v	50w	17,30
BQ 50 24	111mm	24°	G53	12v	50w	17,30
BQ 60 08	111mm	8°	G53	12v	60w	23,48
BQ 60 24	111mm	24°	G53	12v	60w	23,48
BQ 60 45	111mm	45°	G53	12v	60w	23,48
BQ 75 08	111mm	8°	G53	12v	75w	17,30
BQ 75 24	111mm	24°	G53	12v	75w	17,30
BQ 75 45	111mm	45°	G53	12v	75w	17,30
BQ 10 08	111mm	8°	G53	12v	100w	17,30
BQ 10 24	111mm	24°	G53	12v	100w	17,30
BQ 10 45	111mm	45°	G53	12v	100w	17,30



Lamp CDM R-111.

Ref.	ø	Bevel	L/H	W	€	RAEE lamp
BCD 35 10	111mm	10°	GX8.5	35w	119,27	0,30
BCD 35 24	111mm	24°	GX8.5	35w	119,27	0,30
BCD 35 40	111mm	40°	GX8.5	35w	119,27	0,30
BCD 70 10	111mm	10°	GX8.5	70w	119,27	0,30
BCD 70 24	111mm	24°	GX8.5	70w	119,27	0,30
BCD 70 40	111mm	40°	GX8.5	70w	119,27	0,30



Lamp CDM-TC

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
SBCDM-TC35	G8.5	3000°K	35w	66,06	0,30
SBCDM-TC70	G8.5	3000°K	70w	68,08	0,30





Metal halide lamp HQI RX7s

Ref.	Ct °k	L/H	W	€	RAEE lámp
BHR 70 30	3000°K	RX7s	70W	26,57	0,30
BHR 70 42	4200°K	RX7s	70W	26,57	0,30
BHR 15 30	3000°K	RX7s	150W	26,57	0,30
BHR 15 42	4200°K	RX7s	150W	26,57	0,30
BHR 25 42G	4200°K	FC2	250W	79,17	0,30



Metal halide lamp HQI G-12

Ref.	Ct °k	L/H	W	€	RAEE lámp
BHG 70 30	3000°K	G-12	70W	71,89	0,30
BHG 70 42	4200°K	G-12	70W	71,89	0,30
BHG 15 30	3000°K	G-12	150W	71,89	0,30
BHG 15 42	4200°K	G-12	150W	71,89	0,30



Lamp PAR30

Ref.	L/H	V	W	€	RAEE lámp
BPA 30 75	E-27	220V	75W	20,02	0,30



Ovoid metal halide lamp E-40

Ref.	L/H	Colour Temp.	W	€	RAEE lámp
BVH 25	E-40	4300°K	250w	55,00	0,30
BVH 40	E-40	4300°K	400w	55,02	0,30



Tubular metal halide lamp E-40

Ref.	L/H	Colour Temp.	W	€	RAEE lámp
BTH 25	E-40	4300°K	250w	55,04	0,30
BTH 40	E-40	4300°K	400w	55,06	0,30

Ovoid mercury vapour lamp E-40

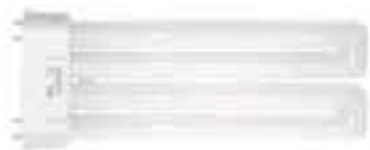
Ref.	L/H	Colour Temp.	W	€	RAEE lámp
BVM 25	E-40	4500°K	250w	18,74	0,30
BVM 40	E-40	4500°K	400w	25,49	0,30

Tubular sodium vapour lamp E-40

Ref.	L/H	Colour Temp.	W	€	RAEE lámp
BTS 15	E-40	2000°K	150w	37,29	0,30
BTS 25	E-40	2000°K	250w	44,04	0,30
BTS 40	E-40	2000°K	400w	51,01	0,30

Ovoid sodium vapour lamp E-40

Ref.	L/H	Colour Temp.	W	€	RAEE lámp
BVS 15	E-40	2000°K	150w	37,28	0,30
BVS 25	E-40	2000°K	250w	44,03	0,30
BVS 40	E-40	2000°K	400w	51,00	0,30



Lamp DULUX F36

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
BDU 36 82	2G10	2700°K	36w	19,05	0,20
BDU 36 83	2G10	3000°K	36w	19,05	0,20
BDU 36 84	2G10	4000°K	36w	19,05	0,20

Lamp E-27 20w

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
3200	E-27	4200°K	20w	6,18	0,20



Lamps PL-T

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
BPT 13 82	GX24d-1	2700°K	13w	15,05	0,20
BPT 13 84	GX24d-1	4000°K	13w	15,05	0,20
BPT 18 82	GX24d-2	2700°K	18w	15,05	0,20
BPT 18 84	GX24d-2	4000°K	18w	15,05	0,20
BPT 26 82	GX24d-3	2700°K	26w	15,05	0,20
BPT 26 83	GX24d-3	3000°K	26w	15,05	0,20
BPT 26 84	GX24d-3	4000°K	26w	15,05	0,20



Lamps PL

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
BPL 09 82	G23	2700°K	9w	5,76	0,20
BPL 09 83	G23	3000°K	9w	5,76	0,20
BPL 09 84	G23	4000°K	9w	5,76	0,20
BPL 13 82	G24d-1	2700°K	13w	5,76	0,20
BPL 13 83	G24d-1	3000°K	13w	5,76	0,20
BPL 13 84	G24d-1	4000°K	13w	5,76	0,20
BPL 18 82	G24d-2	2700°K	18w	5,76	0,20
BPL 18 83	G24d-2	3000°K	18w	5,76	0,20
BPL 18 84	G24d-2	4000°K	18w	5,76	0,20
BPL 26 82	G24d-3	2700°K	26w	5,76	0,20
BPL 26 83	G24d-3	3000°K	26w	5,76	0,20
BPL 26 84	G24d-3	4000°K	26w	5,76	0,20

Lamps PLT/E

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
BPE 13 83	GX24q-1	3000°K	13w	15,07	0,20
BPE 13 84	GX24q-1	4000°K	13w	15,07	0,20
BPE 18 82	GX24q-2	2700°K	18w	15,07	0,20
BPE 18 83	GX24q-2	3000°K	18w	15,07	0,20
BPE 18 84	GX24q-2	4000°K	18w	15,07	0,20
BPE 26 82	GX24q-3	2700°K	26w	15,07	0,20
BPE 26 83	GX24q-3	3000°K	26w	15,07	0,20
BPE 26 84	GX24q-3	4000°K	26w	15,07	0,20
BPE 32 82	GX24q-3	2700°K	32w	15,16	0,20
BPE 32 83	GX24q-3	3000°K	32w	15,16	0,20
BPE 32 84	GX24q-3	4000°K	32w	15,16	0,20
BPE 42 82	GX24q-4	2700°K	42w	15,26	0,20
BPE 42 83	GX24q-4	3000°K	42w	15,26	0,20
BPE 42 84	GX24q-4	4000°K	42w	15,26	0,20
BPE 57 82	GX24q-5	2700°K	57w	21,11	0,20
BPE 57 84	GX24q-5	4000°K	57w	21,11	0,20



Lamp Globe PL

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
3103 16 82	E27	2700°K	16w	46,94	0,20
3103 20 82	E27	2700°K	20w	46,96	0,20
3103 23 82	E27	2700°K	23w	46,97	0,20
3103 23 86	E27	6500°K	23w	47,00	0,20

Lamps PLR/ECO

Ref.	L/H	Colour Temp.	W	€	RAEE lamp
BPO 14 82	GR14q-1	2700°K	14w	8,34	0,20
BPO 14 83	GR14q-1	3000°K	14w	8,34	0,20
BPO 14 84	GR14q-1	4000°K	14w	8,34	0,20
BPO 17 82	GR14q-1	2700°K	17w	8,34	0,20
BPO 17 83	GR14q-1	3000°K	17w	8,34	0,20
BPO 17 84	GR14q-1	4000°K	17w	8,34	0,20





Fluorescence lamps T8

Ref.	Ct °k	L/H	W	€	RAEE lámp
BT8 18 83	3000°K	G13	18w	3,19	0,30
BT8 18 84	4000°K	G13	18w	3,19	0,30
BT8 18 86	6500°K	G13	18w	3,19	0,30
BT8 36 83	3000°K	G13	36w	3,81	0,30
BT8 36 84	4000°K	G13	36w	3,81	0,30
BT8 36 86	6500°K	G13	36w	3,81	0,30
BT8 58 83	3000°K	G13	58w	4,53	0,30
BT8 58 84	4000°K	G13	58w	4,53	0,30
BT8 58 86	6500°K	G13	58w	4,53	0,30



Fluorescence lamps T5

Ref.	Ct °k	L/H	W	€	RAEE lámp
BT5 14 83	3000°K	G5	14w	5,25	0,30
BT5 14 84	4000°K	G5	14w	5,25	0,30
BT5 14 86	6500°K	G5	14w	5,25	0,30
BT5 21 83	3000°K	G5	21w	5,66	0,30
BT5 21 84	4000°K	G5	21w	5,66	0,30
BT5 21 86	6500°K	G5	21w	5,66	0,30
BT5 24 83	3000°K	G5	24w	6,07	0,30
BT5 24 84	4000°K	G5	24w	6,07	0,30
BT5 24 86	6500°K	G5	24W	6,07	0,30
BT5 28 83	3000°K	G5	28w	5,66	0,30
BT5 28 84	4000°K	G5	28w	5,66	0,30
BT5 28 86	6500°K	G5	28W	5,66	0,30
BT5 35 83	3000°K	G5	35w	5,66	0,30
BT5 35 84	4000°K	G5	35w	5,66	0,30
BT5 35 86	6500°K	G5	35W	5,66	0,30
BT5 39 83	3000°K	G5	39w	6,07	0,30
BT5 39 84	4000°K	G5	39w	6,07	0,30
BT5 39 86	6500°K	G5	39W	6,07	0,30
BT5 49 83	3000°K	G5	49w	6,07	0,30
BT5 49 84	4000°K	G5	49w	6,07	0,30
BT5 49 86	6500°K	G5	49W	6,07	0,30
BT5 54 83	3000°K	G5	54w	6,07	0,30
BT5 54 84	4000°K	G5	54w	6,07	0,30
BT5 54 86	6500°K	G5	54W	6,07	0,30
BT5 80 83	3000°K	G5	80w	7,51	0,30
BT5 80 84	4000°K	G5	80w	7,51	0,30
BT5 80 86	6500°K	G5	80W	7,51	0,30



PL-L Lamps

Ref.	L/H	Colour Temp.	W	€	RAEE lámp
BPLL 18 82	2G11	2700°K	18w	7,31	0,20
BPLL 18 83	2G11	3000°K	18w	7,31	0,20
BPLL 18 84	2G11	4000°K	18w	7,31	0,20
BPLL 18 86	2G11	6500°K	18w	7,31	0,20
BPLL 36 82	2G11	2700°K	36w	7,31	0,20
BPLL 36 83	2G11	3000°K	36w	7,31	0,20
BPLL 36 84	2G11	4000°K	36w	7,31	0,20
BPLL 36 86	2G11	6500°K	36w	7,31	0,20
BPLL 55 82	2G11	2700°K	55w	8,24	0,20
BPLL 55 83	2G11	3000°K	55w	8,24	0,20
BPLL 55 84	2G11	4000°K	55w	8,24	0,20
BPLL 55 86	2G11	6500°K	55w	8,24	0,20

Electronic ballast



Electronic ballast

Ref.	Lamps	Output power (W)	€
BE 113	Low consumption type PL and PL-T	1x13w	33,06
BE 118	Low consumption type PL and PL-T	1x18w	33,06
BE 126	Low consumption type PL and PL-T	1x26w	33,06
BE 132	Low consumption type PLT/E	1x32w	34,91
BE 142	Low consumption type PLT/E	1x42w	34,91
BE 213	Low consumption type PL and PL-T	2x13w	35,12
BE 218	Low consumption type PL and PL-T	2x18w	35,12
BE 226	Low consumption type PL and PL-T	2x26w	35,12
BE 232	Low consumption type PLT/E	2x32w	37,90
BE 242	Low consumption type PLT/E	2x42w	37,90



Gear for metal halide

Ref.	Lamps	Output power (W)	€
HM 70	HQI	70W	32,03
HM 15	HQI	150W	40,58
HM 25	HQI	250W	55,10



Electronic ballast for HQI 70W and 150W lamps

Ref.	Lamps	Power	€
BEHQI35	HQI	35W	53,56
BEHQI70	HQI	70W	56,54
BEHQI150	HQI	150W	92,28

Dimmable ballast Touch & Dim

Ref.	Lamps	Output power (W)	€
BR 113	Low consumption type PL and PL-T	1x13w	81,18
BR 118	Low consumption type PL and PL-T	1x18w	81,18
BR 126	Low consumption type PL and PL-T	1x26w	81,18
BR 132	Low consumption type PLT/E	1x32w	82,60
BR 142	Low consumption type PLT/E	1x42w	82,60
BR 213	Low consumption type PL and PL-T	2x13w	91,46
BR 218	Low consumption type PL and PL-T	2x18w	91,46
BR 226	Low consumption type PL and PL-T	2x26w	91,46
BR 232	Low consumption type PLT/E	2x32w	92,59
BR 242	Low consumption type PLT/E	2x42w	92,59

Dimmable ballast 1-10v

Ref.	Lamps	Output power (W)	€
BRV 113	Low consumption type PL and PL-T	1x13w	81,19
BRV 118	Low consumption type PL and PL-T	1x18w	81,19
BRV 126	Low consumption type PL and PL-T	1x26w	81,19
BRV 132	Low consumption type PLT/E	1x32w	82,61
BRV 142	Low consumption type PLT/E	1x42w	82,61
BRV 213	Low consumption type PL and PL-T	2x13w	91,47
BRV 218	Low consumption type PL and PL-T	2x18w	91,47
BRV 226	Low consumption type PL and PL-T	2x26w	91,47
BRV 232	Low consumption type PLT/E	2x32w	92,60
BRV 242	Low consumption type PLT/E	2x42w	92,60



Emergency light for downlight

Ref.	Lamps	Output power (W)	€
EME 113	Low consumption type PL	1x13W	124,73
EME 118	Low consumption type PL	1x18W	124,73
EME 126	Low consumption type PL	1x26W	124,73
EME 213	Low consumption type PL	2x13W	124,73
EME 218	Low consumption type PL	2x18W	124,73
EME 226	Low consumption type PL	2x26W	124,73



Electronic transformers 60W and 105W

Ref.	Lamps	Power	€
TS60	Halogen	Up to 60W	9,16
TS105	Halogen	Up to 100W	13,33



Color chart







Metal

Colours	Metallic
 60 Blue	 03 Gold
 45 Green	 33 Mat gold
 70 Red	 80 Satin
 01 White	 55 Nickel
 56 Metallic nickel	 57 Nickel matt
 58 Metallic grey	 04 Graphite
 90 Titanium	 05 Chrome
 50 Oxide green	 52 Chrome mat
 02 Black	

Glass

 06 Matt	 07 Pink	 08 Cobalt blue	 09 Green	 10 Light blue	 11 Marble	 12 Yellow
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Wood

 91 Cherry	 92 Oak	 93 Walnut	 96 Wengé	 94 Natural	 95 Tulipiel
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Technical

information

References index



EM: Average lighting level maintained on a work area, in lux.

UGR: Unified Glare Rating, obtained in accordance with the procedure given by CIE in its publication No. 117. For a specific lighting system it may be supplied by the installation company.

RA: Colour rendering of sources of light (supplied by the manufacturer). The maximum value of Ra is 100.

The requirements of a lighting system include the colour temperature of sources of light, CT, expressed in Kelvin degrees. This parameter refers to the light's hue.

PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
TRANSIT AREAS AND GENERAL INDOOR AREAS				
> Transit areas				
Corridors and passageways	150	25	40	At floor level. If there is vehicle traffic, increase to 150 lux
Normal stairs and escalators	150	25	40	
Loading/unloading bays	150	25	40	
Rest rooms, dining rooms...	200	22	80	
Physical exercise rooms	300	22	80	
Dressing rooms, washrooms, toilets	100	25	80	
Sick bay	500	19	80	
Medical care room	500	19	90	Colour Temperature CT ≥ 4000_K
> Control Rooms				
Control Rooms	200	25	60	
Switchboard, fax room	500	19	80	
> Warehouses and Cold Storage				
Warehouses/stores	100	25	60	200 lux if continuously occupied.
Packing areas	300	25	60	
Shelf Storage Areas	20	-	40	
Aisles without workers	20	-	40	
Aisles with workers	200	22	60	
Aisles with workers	200	22	60	
INDUSTRIAL AND CRAFT INDUSTRY ACTIVITIES				
> Agricultural Activities				
Loading of products, handling of equipment and machinery	200	25	80	
Stables and barns	50	-	40	
Stables for animals that are sick or about to give birth	200	25	60	
Preparation of feeding stuffs, milking and washing utensils	200	25	60	

PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
> Bakeries				
Preparation of dough and bread baking	300	22	80	
Finishing and decorating	500	22	80	
> Cement and Concrete Industry				
Drying	50	28	20	
Preparation of materials, kilns and mixers	200	28	20	
Work with machinery in general	300	25	80	
Moulding bricks	300	25	80	
> Ceramic and Glass Industry				
Drying	50	28	20	
Preparation and work with machinery in general	300	5	80	
Enamelling, engraving, polishing, precision operations, manufacture of glass instruments	750	19	80	
Optic-glass polishing, manual polishing, engraving, work on products with average precision	750	16	80	
Hand drawing and precision work, decorative engraving, etc.	1000	16	90	Colour temperature Tc>=4000°k
Manufacture of artificial gems	1500	16	90	Colour temperature Tc>=4000°k
> Chemical, Plastic and Rubber Industries				
Installations with remote control processes	50	-	40	
Installations with limited manual intervention processes	100	28	40	
Workplaces with continuous manual intervention	300	25	80	
Laboratories and precision measuring rooms	500	19	80	
Manufacture of pharmaceutical products	500	22	80	
Manufacture of tyres	500	22	80	
Colour inspection	1000	16	90	Colour temperature Tc>=4000°k
Cutting, finishing and inspection	750	19	80	
> Electrical Industry				
Manufacture of wires and cables	300	25	80	
Coiling/Winding Coils Large	300	25	80	
Coiling/Winding Coils Medium	500	22	80	
Coiling/Winding Coils Small	750	19	80	
Coil impregnation	300	25	80	
Tinning	300	25	80	
Mounting and assembling: Rough (e.g. large transformers)	300	25	80	
Mounting and assembling: Medium (e.g. control panels)	500	22	80	
Mounting and assembling: Fine (e.g. telephones)	750	19	80	
Mounting and assembling: Precision (e.g. gauges)	1000	16	80	
Electronic, testing and tuning workshops	1500	16	80	
> Food Industry				
Initial classification washing of products, grinding, mixing, packaging	300	25	80	



PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
Barrel filling plants, cooking of products for conserves, peeling, drying and curing of tobacco, infusions, malting, sugar manufacture, chocolate manufacture, fermentation cellars	200	25	80	
Jobs in abattoirs, meat factories, dairies, refineries, sugar refineries, filtering rooms	500	25	80	
Classification and cutting up of fruit and vegetables	300	25	80	
Preparation of sweets, kitchen tasks, cigar manufacture	500	22	80	
Inspection of bottles and recipients, production control, decoration, classification	500	22	80	
Laboratories	500	19	80	
Colour inspection	1000	16	90	Colour temperature Tc>=4000°k
> Founding and Moulding				
Service tunnels and holds	50	-	20	The colours of the safety signs / signals must be recognisable
Service tunnels and holds	100	25	40	
Preparation of sand	200	25	80	
Mechanical preparation	200	25	80	
Mixers	200	25	80	
Foundry area	200	25	80	
Demoulding with vibrator	200	25	80	
Moulding machine	200	25	80	
Manual moulding	300	25	80	
Machine moulding	300	25	80	
Mould manufacture	500	22	80	
> Jewellery Manufacture				
Work with gems	1500	16	90	Colour temperature Tc>=4000°k
Manufacture of jewels	1000	16	90	
Manual clock and watch making	1500	16	80	
> Hairdressers				
Work in hairdressing salons	500	19	90	
> Laundries and Dry Cleaners				
Reception of articles of clothing, marking and classification	300	25	80	
Washing and dry cleaning	300	25	80	
Ironing	300	25	80	
Inspection and repair	750	19	80	
>Leather Industry				
Work in tanks, vats, etc.	200	25	40	
Hide fleshing, skiving and brushing	300	25	80	
Rendering and shoe manufacture: cutting, punching, shaping, sewing, polishing	500	22	80	
Dressed skin classification	500	22	90	Colour temperature Tc>=4000°k
Machine dyeing of skins	500	22	80	
Quality control	1000	19	80	

PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
Colour inspection	1000	16	90	Colour temperature Tc>=4000°k
Glove manufacture	500	22	80	
Shoe manufacture	500	22	80	

> Metallurgy

Forging in open die	200	25	60	
Forging in forging hammer	300	25	60	
Soldering/Welding	300	25	60	
Heavy and medium machinery (Tolerance ≥ 0,1 mm)	300	22	60	
Precision machinery (Tolerance < 0,1 mm)	500	19	60	
Tracing, inspection	750	19	60	
Work with tubes and wires (hot shaping)	300	25	60	
Machine work with thick plate (thickness ≥ 5 mm)	200	25	60	
Plate work (thickness < 5 mm)	300	22	60	
Tool manufacture	750	19	60	
Assembly Work: Rough	200	25	80	
Assembly Work: Medium	300	25	80	
Assembly Work: Fine	500	22	80	
Assembly Work: Precision	750	19	80	
Zinc-plating	300	25	80	
Painting and surface treatments	500	25	80	
Hardening and sharpening operations, precision mechanics, micro-mechanics	1000	19	80	

> Paper Industry

Pulp mills	200	25	80	
Paper manufacture and processing, cardboard manufacture	300	25	80	
Binding: Folding, classifying, gluing, cutting, engraving, sewing	500	25	80	

> Power Plants

Supply of fuel	90	-	-	The colours of the safety signs / signals must be recognisable
Boiler room	100	28	40	
Machine room	200	25	80	
Supplementary rooms: pumps, condensers, etc.	200	25	60	
Control rooms	500	16	60	Control panels are frequently in a vertical position. Prepare visualisation screens
Outdoor switch equipment	20	-	-	The colours of the safety signs / signals must be recognisable

> Printing Works

Cutting, electrochemical covering, work with printing plates, printing machines	500	19	80	
Classification of paper and manual printing	500	19	80	
Type composition, touching up, lithography	1000	19	80	
Printed colour inspection	1500	16	90	Colour temperature Tc>=4000°k
Copper and steel engraving	2000	16	80	



PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
> Rolling Mills and Iron and Steel Works				
Production plants without manual operations	50	-	20	The colours of the safety signs / signals must be recognisable
Production plants with occasional manual operations	150	28	40	
Production plants with continuous manual operations	200	25	60	
Storage of flat iron	50	-	20	The colours of the safety signs / signals must be recognisable
Furnaces	200	25	60	
Rolling, coiling and cutting mill	300	25	40	
Control platforms and panels	300	22	80	
Inspection, measuring and checking	500	22	80	
Connecting passages, hatchways, holds, etc.	50	-	20	The colours of the safety signs / signals must be recognisable
> Textile Industry				
Area for opening bales and packages	200	25	60	
Washing, carding, combing, pre-spinning, etc.	300	22	80	
Spinning and spooling	500	22	80	Prevent stroboscopic effects
Warping, weaving, braiding, knitting	750	22	80	
Manual design and drawing patterns	750	22	90	Colour temperature $T_c \geq 4000^{\circ}k$
Finishing, dyeing	500	22	80	
Drying room	100	28	60	
Automatic fabric printing	500	25	80	
Selection, trimming and alterations	1000	19	80	
Colour inspections, manufacturing control	1000	16	90	Colour temperature $T_c \geq 4000^{\circ}k$
Alterations that cannot be seen with the naked eye	1500	19	90	Colour temperature $T_c \geq 4000^{\circ}k$
Hat making	500	22	80	
> Manufacture of vehicles				
Assembly and bodywork	500	22	80	
Painting, paint cabins, polishing cabins	750	22	80	
Painting: touching up, inspection	1000	16	90	Colour temperature $T_c \geq 4000^{\circ}k$
Upholstery	100	19	80	
Final inspection	750	19	80	
> Wood Industry				
Automatic processing: drying, manufacture of veneering, etc.	50	28	40	
Steam treatment	150	28	40	
Belt saw	300	25	60	Prevent stroboscopic effects
Work on workshop bench, assembling and gluing	300	25	80	
Work on workshop bench, assembling and gluing	500	22	80	
Machine woodwork: turning, planing, cutting, sanding, gouging, milling, etc.	500	19	80	Prevenir los efectos estroboscópicos
Selecting wood for veneering	750	22	90	Colour temperature $T_c \geq 4000^{\circ}k$
Marqueterie and wood inlay work	750	22	90	Colour temperature $T_c \geq 4000^{\circ}k$
Quality control	750	19	90	Colour temperature $T_c \geq 4000^{\circ}k$

PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
OFFICES				
Archives, copiers, transit areas	300	19	80	
Reading, writing, typewriting, data processing	500	19	80	Prepare visualisation screens
Technical drawing	750	16	80	
Computer aided design (CAD)	500	19	80	Prepare visualisation screens
Meeting rooms	500	19	80	
Reception areas	300	22	80	
Stores	200	25	80	

SHOPS				
Areas for public sales	300	22	80	Both Em and UGR are determined by the type of shop
Checkout cashier's position	500	19	80	
Wrapping table	500	19	80	

AUDITORIUM / LIBRARIES				
Teatres, concert halls, foyers, resting room	150	19	80	
Auditorium multi-purposes	300	19	80	
Shelves	300	22	80	
Desks	750	19	80	
Counter	500	19	80	
Binding	500	22	80	

CHURCHES				
Nave	150	19	60	
Chorus, altar, pulpit	300	22	80	Colour temperature $T_c \geq 4000^{\circ}k$

HOTELS / RESTAURANTS				
Hall	200	19	80	
Kitchen	500	16	60	
Canteen	200	19	80	
Buffet	300	19	80	
Conference room	300	19	80	
Self-service	300	19	80	
Laundry and dry cleaner	500	22	60	
Mechanic ironing	300	22	60	
Laundry	300	22	80	
Hand ironing	300	22	80	
Classification	300	19	80	
Inspection of stain erasing	1000	16	90	Colour temperaturer $T_c \geq 4000^{\circ}k$
Hairdressing	500	19	90	
Care treatment	750	19	90	



Naya

Protection degree IP64

Protection degree. IP code.

The level of protection provided by the enclosure of the luminaire to hazardous parts, ingress of solid objects, ingress of moisture or external mechanical impacts, which also is verified by standard test methods into the electrical equipment.

The IP Code is a system that indicates the degree of protection provided by enclosures, as described in the UNE 20324, equivalent to the European standard EN 60529. It is made of two one-digit numbers each, immediately after the letters IP, being these digits independent of each other.

The first digit indicates the protection of persons against access to hazardous parts (usually tightened or moving parts other than rotating shafts or similar). It prevents penetration in a body part or an object held by one person and simultaneously ensure the protection of equipment against the ingress of solid objects. The first digit goes from zero to six, and as the number increases, indicates that the solid allowed to penetrate the envelope is smaller.

The second digit indicates protection of equipment inside the enclosure against harmful effects caused by moisture. The second characteristic numeral is graduated from zero to eight. As its value increases the amount of water trying to break in is higher and coming from more angles.

IP x x

First number indicates protection against the contact of external solid bodies.
(Table UNE 20324-93)

0	Unprotected
1	Protected against access to hazardous parts with the back of the hand and against solid foreign objects bigger than 50 mm ø.
2	Protected against access to hazardous parts with a finger against solid foreign objects of 12.5 mm ø or bigger.
3	Protected against access to hazardous parts with a finger, and against solid foreign objects of 2.5 mm ø or bigger.
4	Protected against access to hazardous parts with a piece of wire and against solid foreign objects of 1 mm ø or bigger.
5	Protected against access to hazardous parts with a wire and dust.
6	Protected against access to hazardous parts with a wire and completely against dust.

IP x x

Second number indicates protection against the penetration of the liquids.
(Table UNE 20324-93)

0	Not protected against water.
1	Protected against vertically falling water drops.
2	Protected against vertically falling water drops when enclosure is tilted up to 15°.
3	Protected against water sprayed at an angle up to 60 ° on either side of the vertical.
4	Protected against water splashed against the component from any direction.
5	Protected against water projected in jets from any direction.
6	Protected against water projected in powerful jets from any direction.
7	Protected against temporary immersion in water.
8	Protected against continuous immersion in water.

Protection degree. IK code.

Tenko HQI
Protection degree IP65 / IK8

It is a coding system to indicate the degree of protection provided by the enclosure against harmful mechanical impact, thereby protecting the materials or equipment inside.

IK code is designated with a number from 0 to 10. As the number increases, the mechanical impact on the envelope is greater. This number is always shown formed by two figures. For example, the degree of protection IK 05, does not indicate more than the number 5.

Although this is a system that can be used for most types of electrical equipment, it cannot be assumed that all possible levels of protection are applicable to all electrical equipment.

Generally, the degree of protection applies to the whole enclosure. If any part of this envelope has a different degree of protection, this must be indicated separately in the user manual or enclosure specification sheet supplied by the manufacturer.

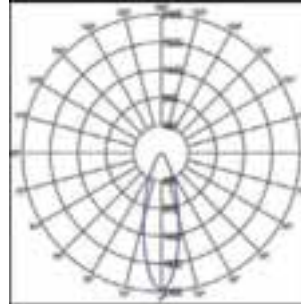
The table shows the different IK protection degrees with the impact energy associated to each. It also shows the equivalent weight and height of fall of the hit piece on the envelope, so that, for example, a degree of protection IK 07 is one in which the enclosure, at the points considered as weakest, bears the impact of a 500-gram round piece of polyamide or steel, falling from a height of 400 mm.

IK degree	IK 00	IK 01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Energy (J)	--	0,15	0,2	0,35	0,5	0,7	1	2	5	10	20
Mass and height of the hit piece	--	0,2 kg 70 mm	0,2 kg 100 mm	0,2 kg 175 mm	0,2 kg 250 mm	0,2 kg 350 mm	0,5 kg 200 mm	0,5 kg 400 mm	1,7 kg 295 mm	5 kg 200 mm	5 kg 400 mm



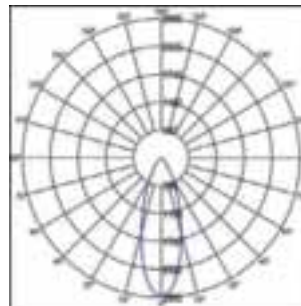
LED

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 046 L 18 12 061 BS 02 12
 063 B 02 12 064 B 02 12
 066 BS 02 12 096 B 01 12
 097 B 01 12 099 B 01 12
 108 L 02 12 156 01 12
 713 B 01 12 714 B 02 12
 1063 L 01 12 1068 L 01 12
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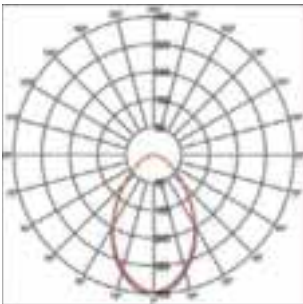
LED-111. 12W WARM

M	Ø	LUX	30°
1	0.55	1558	
2	1.06	390	
3	1.58	173	
4	2.1	87	
5	2.6	62	



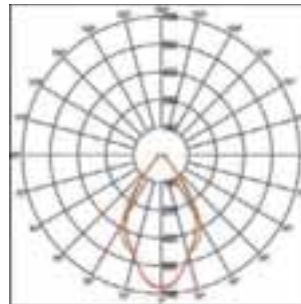
LED-111. 12W COLD

M	Ø	LUX	34°
1	0.80	2060	
2	1.21	815	
3	1.81	329	
4	2.4	129	
5	3.0	82	



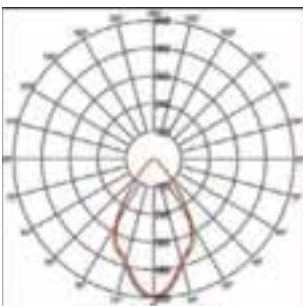
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M	Ø	LUX	69°
1	1.38	841	
2	2.8	160	
3	4.1	71	
4	5.5	40	
5	6.8	26	



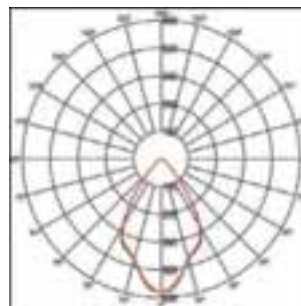
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M	Ø	LUX	69°
1	1.27	628	
2	2.5	157	
3	3.8	70	
4	5.1	39	
5	6.4	26	



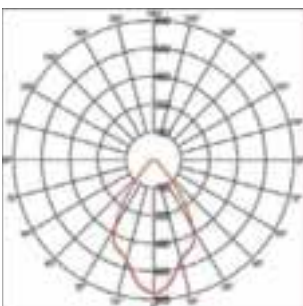
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M	Ø	LUX	61°
1	1.18	1491	
2	2.4	375	
3	3.5	166	
4	4.7	93	
5	5.8	60	



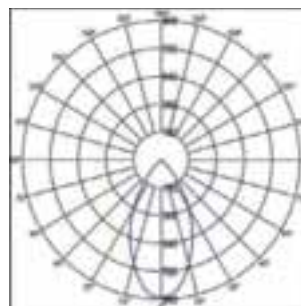
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M	Ø	LUX	69°
1	1.27	1456	
2	2.5	364	
3	3.8	162	
4	5.1	91	
5	6.3	58	



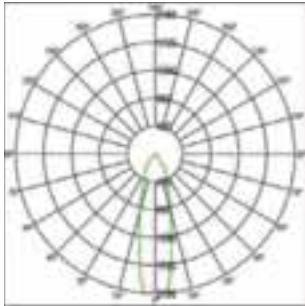
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M	Ø	LUX	66°
1	1.27	818	
2	2.5	184	
3	3.8	88	
4	5.1	39	
5	6.3	26	

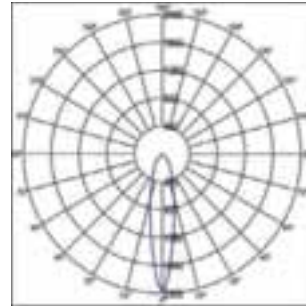
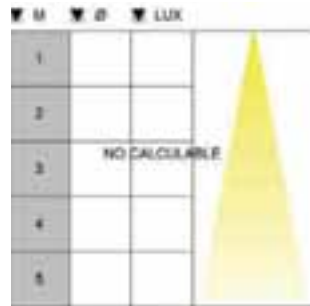


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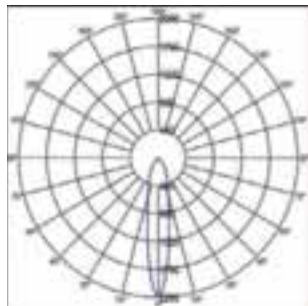
M	Ø	LUX	53°
1	0.96	478	
2	1.98	116	
3	3.0	53	
4	4.0	30	
5	4.9	18.1	



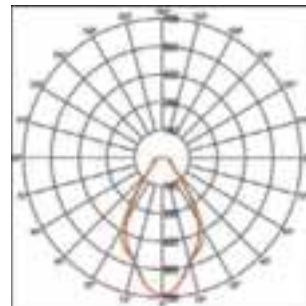
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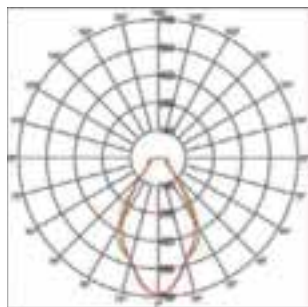
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Ref.: 3003 01 29 85



Ref.: 3175 01 86

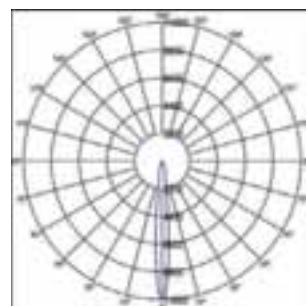


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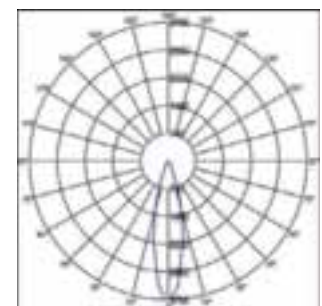


Dichroic halogen

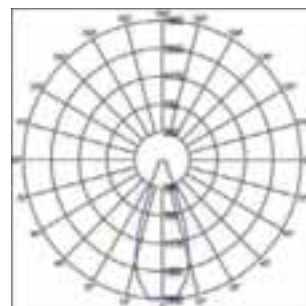
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| 201 01 50 | 202 01 50 |
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| 209 00 03 | 210 00 25 |
| 215 06 50 | 216 06 50 |
| 217 06 50 | 219 00 50 |
| 220 00 50 | 220 K 00 11 |
| 227 00 50 | 228 00 50 |
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| 1072 01 50 | 1077 01 50 |
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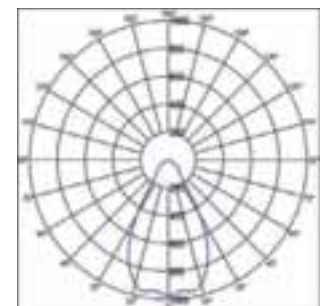
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DICHROIC HALOGEN 12V-50W 24°



DICHROIC HALOGEN 12V-50W 38°

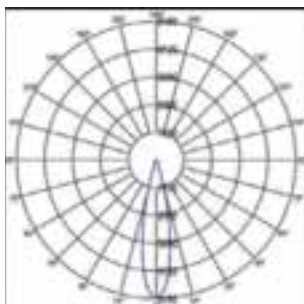


DICHROIC HALOGEN 12V-50W 60°

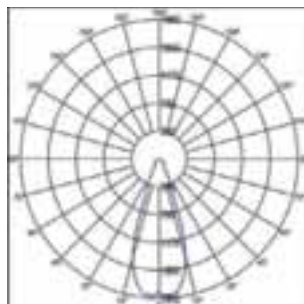


Dichroic halogen 35w

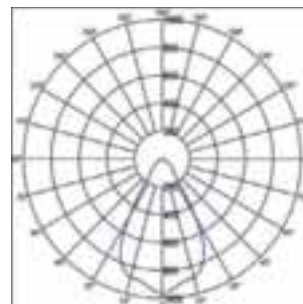
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DICHOIC HALOGEN 35W 20°



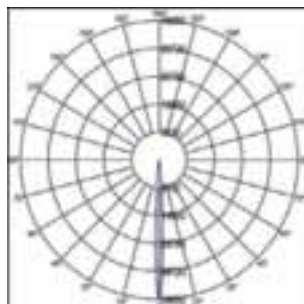
DICHOIC HALOGEN 35W 38°



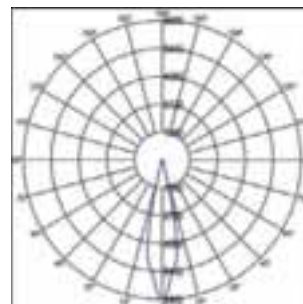
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QR-111

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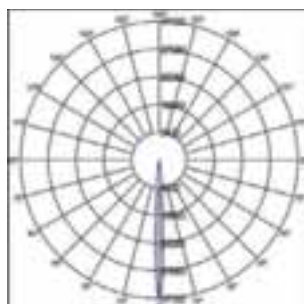


QR-111 35W 8°

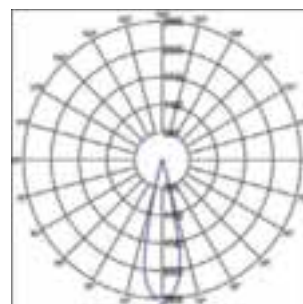


QR-111 35W 24°

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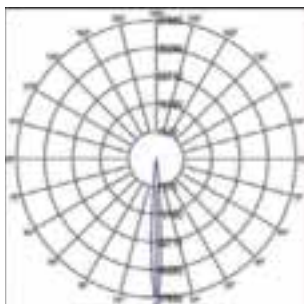


QR-111 50W 8°

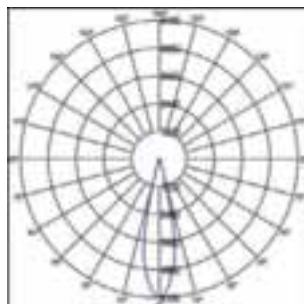


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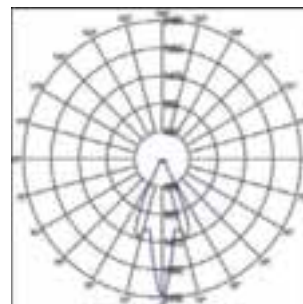
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098 01 75	099 C 01 75		
105 02 75CP	106 02 75CP		
107 02 75CP	108 02 75CP		
155 01 75	713 Q 01 75		
714 01 75	714 Q 01 75		
1033 02 75	1034 02 75		
1035 02 75	1063 01 75		
1073 01 75	1078 01 75		
1103 01 75	1104 01 75		
1109 01 70	3068 01 75 45		
3069 01 75 45	3282 02 01 75		
3284 02 01 75			



QR-111 75W 8°

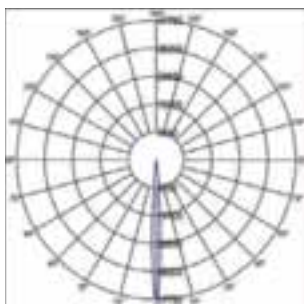


QR-111 75W 24°

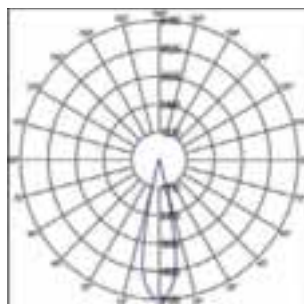


QR-111 75W 45°

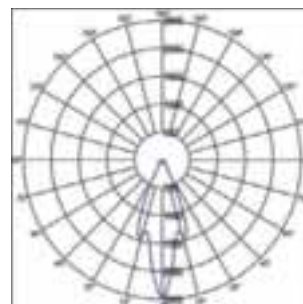
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056 QC 01 10	096 01 10		
098 01 10	099 C 01 10		
105 02 10CP	106 02 10CP		
107 02 10CP	108 02 10CP		
155 01 10	713 Q 01 10		
714 Q 01 10	1034 02 10		
1035 02 10	1063 01 10		
1068 01 10	1073 01 10		
1078 01 10	1103 01 10		
1104 01 10	3068 01 10 45		
3069 01 10 45	3282 02 01 10		
3284 02 01 10			



QR-111 100W 8°

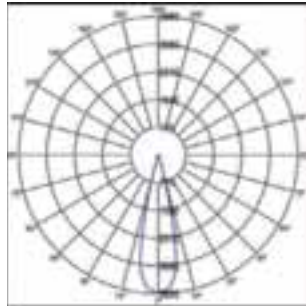


QR-111 100W 24°

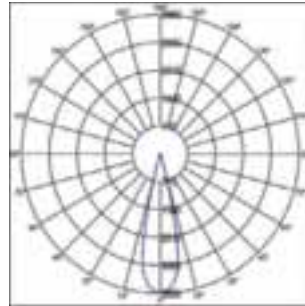


QR-111 100W 45°

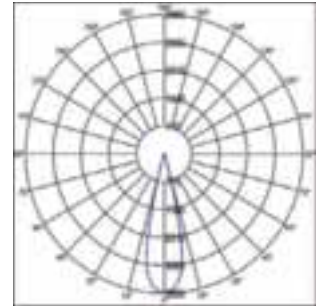
Halogen G-9



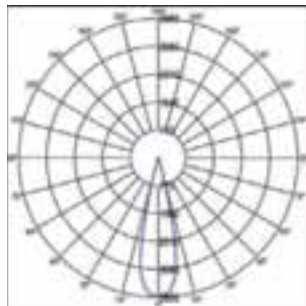
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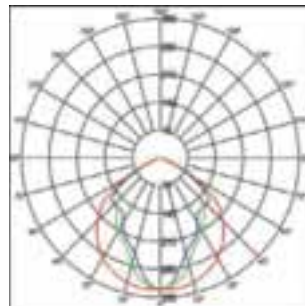
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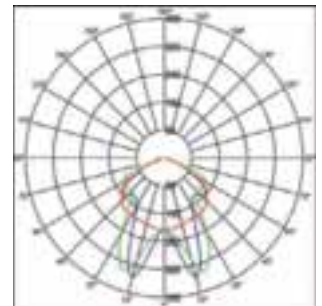
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Ref.: 299 01 75

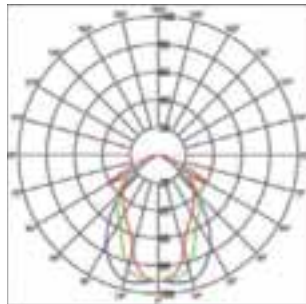


Ref.: 501 01 70



Ref.: 501 01 20

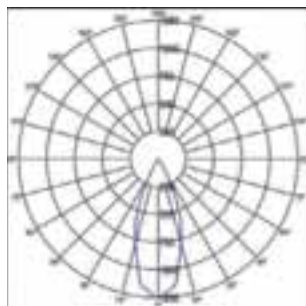
Halogen Bipin



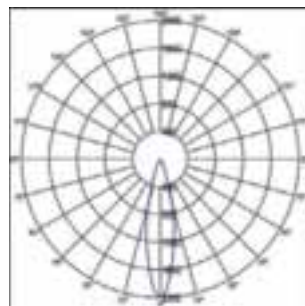
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CDMR - 111

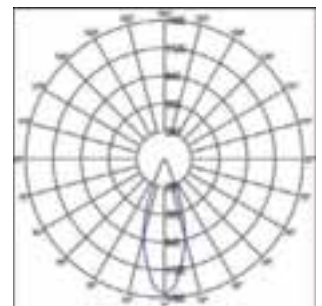
- Ref.: 001 R 01 35 001 R 01 70
002 RC 01 35 002 RC 01 70
022 R 04 01 35 056 RC 01 35
056 RC 01 70 157 01 35
157 01 70 713 01 35
713 01 70 716 02 35C
716 02 70C 717 02 35C
717 02 70C 718 02 35C
718 02 70C 719 02 35C
719 02 70C 746 01 35C
746 01 70C 747 01 35C
747 01 70C 748 01 35C
748 01 70C 773 01 35
773 01 70 775 01 35
775 01 70 778 01 35
780 01 35 780 90 35
1064 01 35 1064 01 70
1069 01 35 1069 01 70
1074 01 35 1074 01 70
1079 01 35 1079 01 70
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3069 R 01 35 3069 R 01 70
3282 02 02 35 3282 02 03 35



CDMR - 111 35W 40°

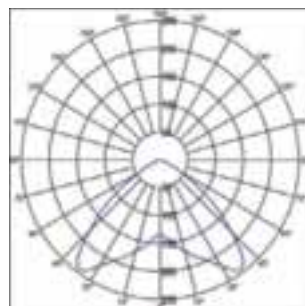


CDMR - 111 70W 24°

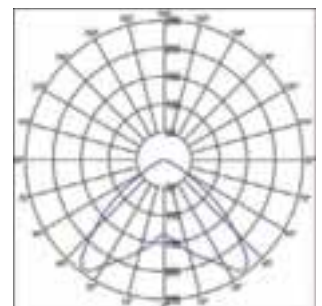


CDMR - 111 70W 40°

- | | |
|---------------|---------------|
| 3282 02 04 35 | 3283 02 01 35 |
| 3283 02 02 35 | 3283 02 02 70 |
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| 3283 02 04 35 | 3283 02 04 70 |
| 3284 02 01 35 | 3284 02 02 35 |
| 3284 02 03 35 | 3284 02 04 35 |
| 3285 02 01 35 | 3285 02 01 70 |
| 3285 02 02 35 | 3285 02 02 70 |
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| 3285 02 04 35 | 3285 02 04 70 |



CDM-TC 35W



CDM-TC 70W

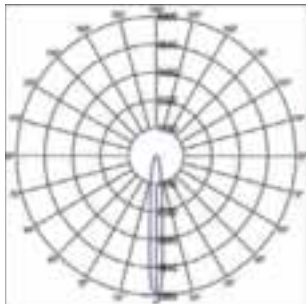
CDM - TC

- Ref.: 001 T 01 35 001 T 01 70
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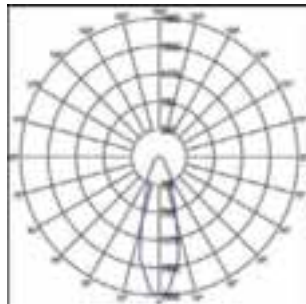


PAR 30 / PAR 20

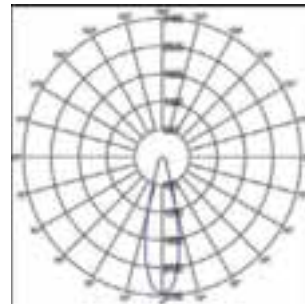
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 109 02 11 604 01 75
 606 01 10



PAR 30 10°



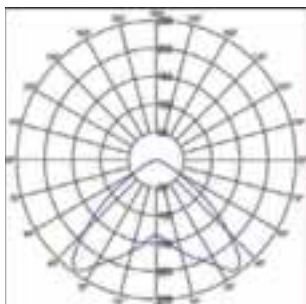
PAR 30 30°



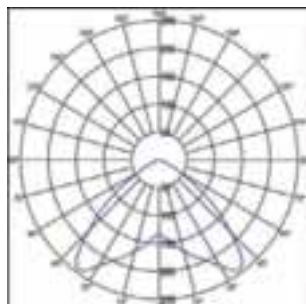
PAR 20 Ref.: 602 01 50

HQI G-12

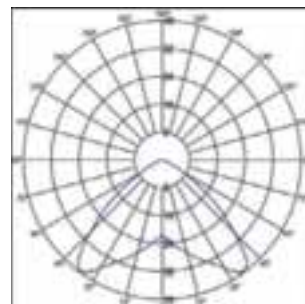
Ref.: 001 G 01 15 001 G 01 35
 002 GC 01 15 002 GC 01 35
 002 GC 01 70 002 HC 01 10
 002 HC 01 75



HQI G-12 35W

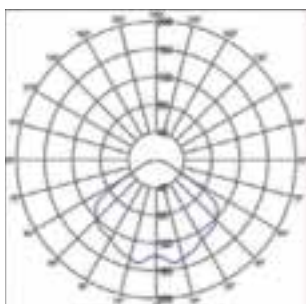


HQI G-12 70W

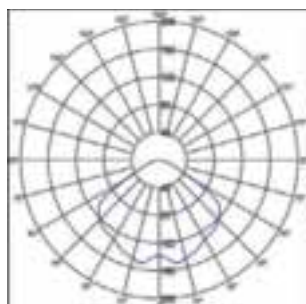


HQI G-12 150W

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 720 01 70

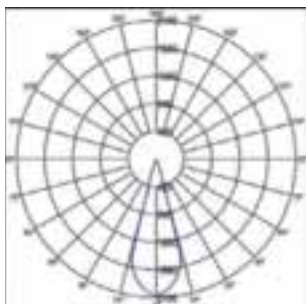


HQI G-12 70W

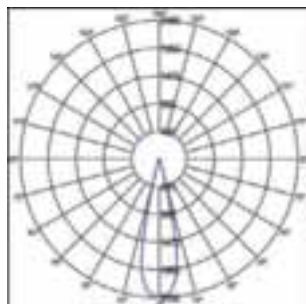


HQI G-12 150W

Ref.: 721 01 15CP 721 01 70CP

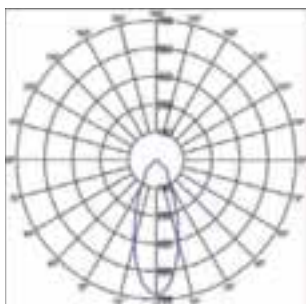


HQI G-12 70W

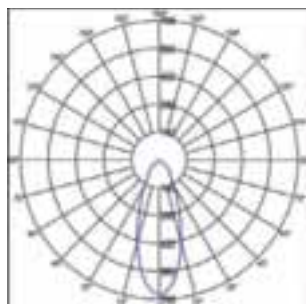


HQI G-12 150W

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 965 90 70 84



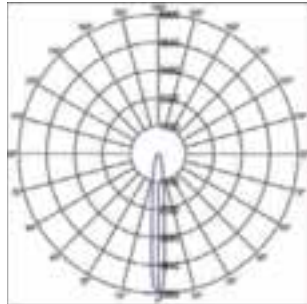
HQI G-12 70W



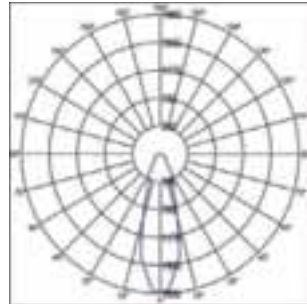
HQI G-12 70W

HQI E-27

Ref.: 109 02 11 109 02 21
 109 02 31 109 02 41

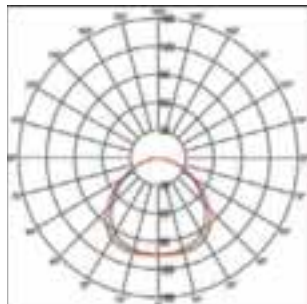


HQI E-27 10°

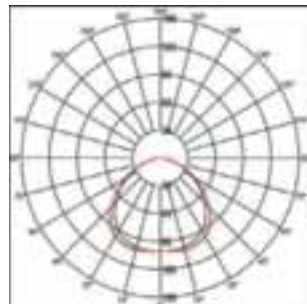


HQI E-27 30°

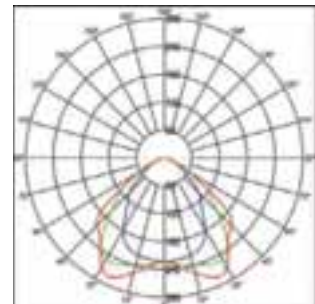
HQI



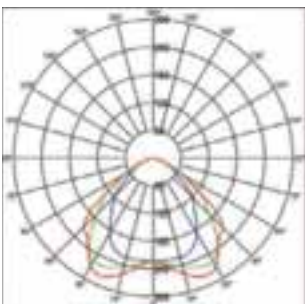
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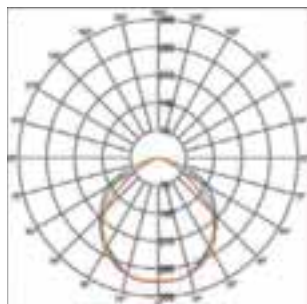
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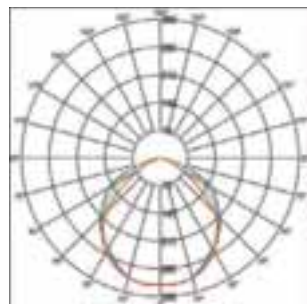
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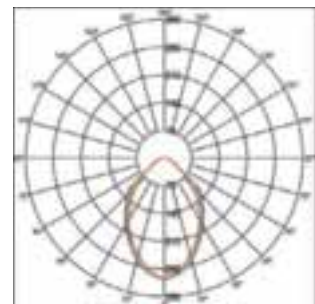
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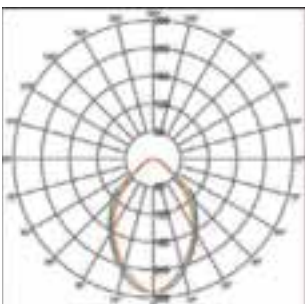
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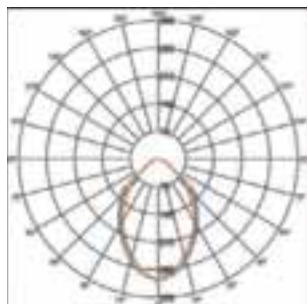
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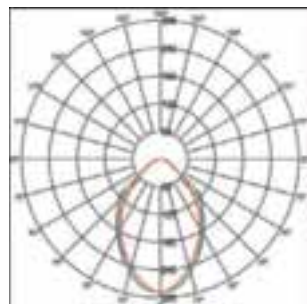
Ref.: 727 C 01



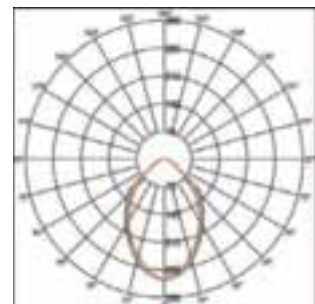
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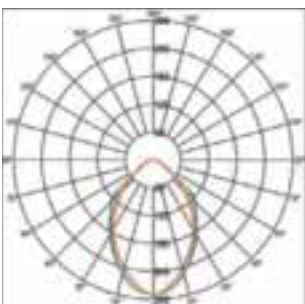
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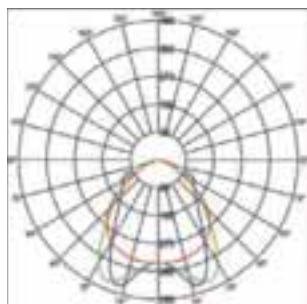
Ref.: 725 C 01



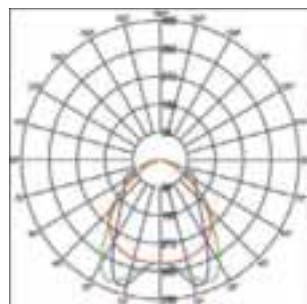
Ref.: 726 C 01



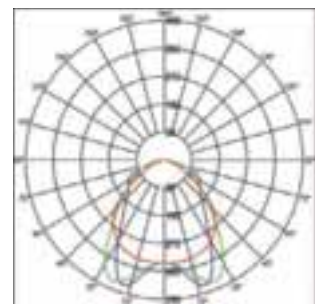
Ref.: 728 C 01



Ref.: 742 01 84

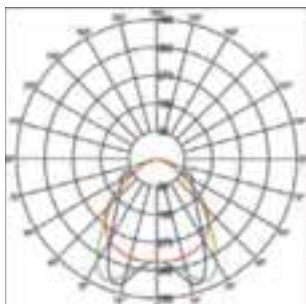


Ref.: 743 01 84

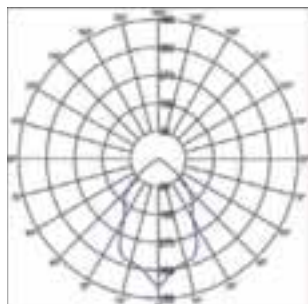


Ref.: 744 01 C

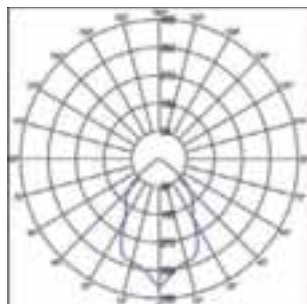




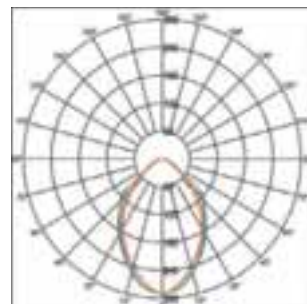
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Ref.: 771 01 70

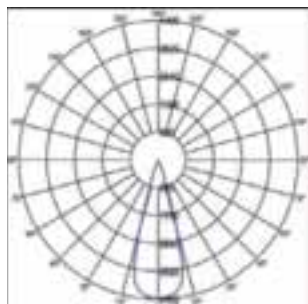


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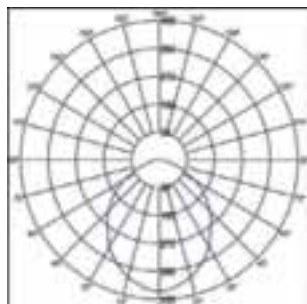


Ref.: 781 01 70

Reflective

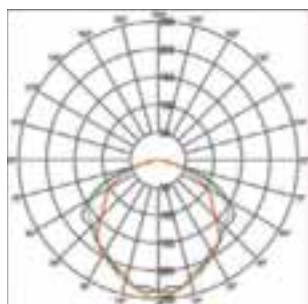


R-63 Ref.: 331 332
333 342
343 351

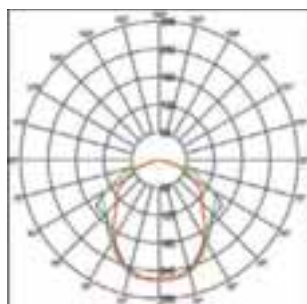


R-80 Ref.: 304

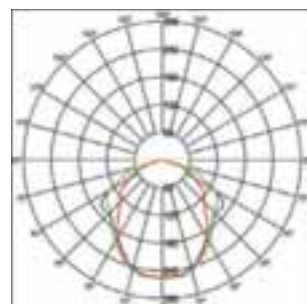
Low Consumption



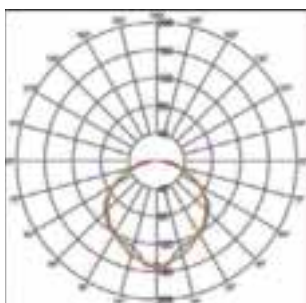
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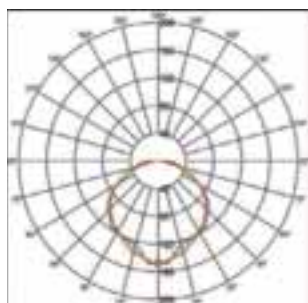
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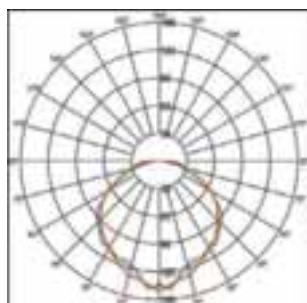
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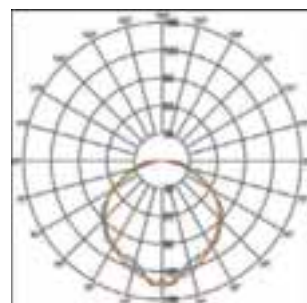
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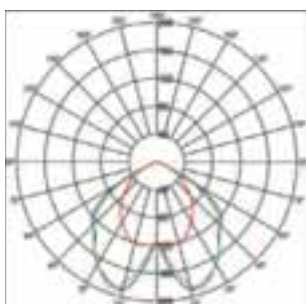
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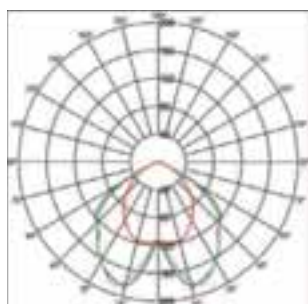
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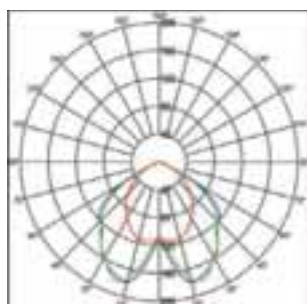
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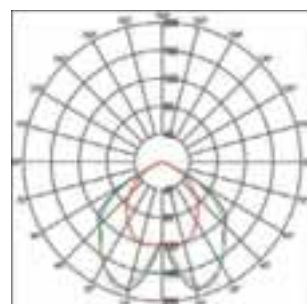
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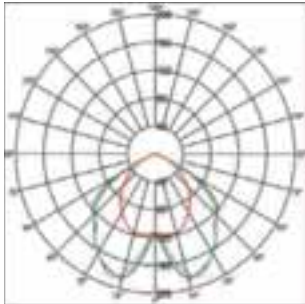
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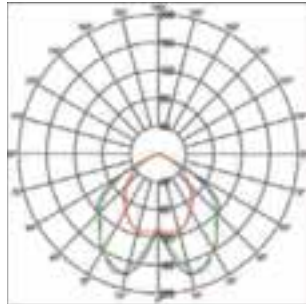
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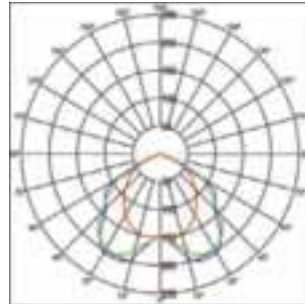
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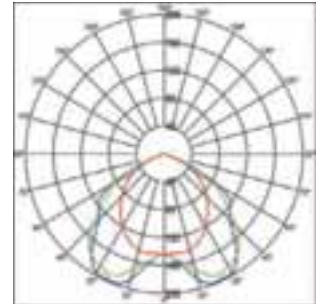
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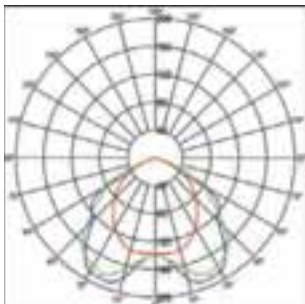
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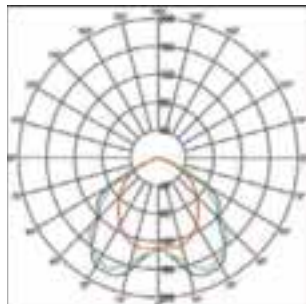
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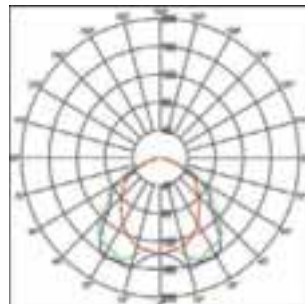
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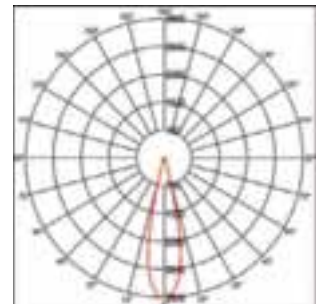
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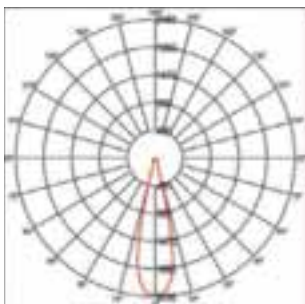
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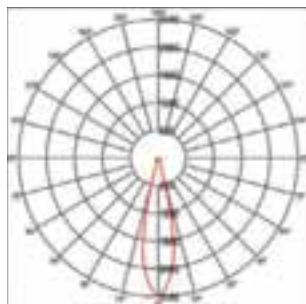
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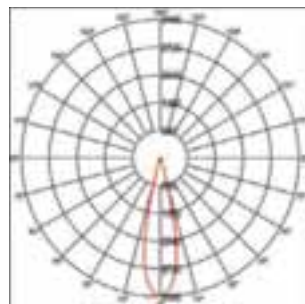
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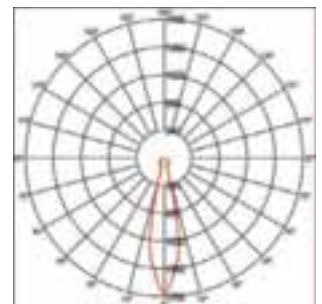
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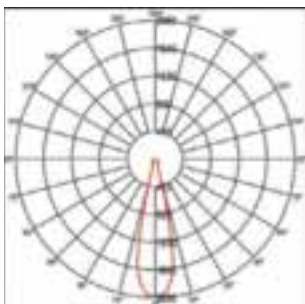
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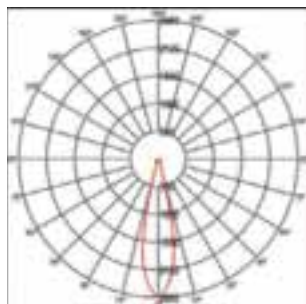
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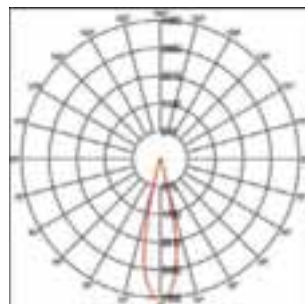
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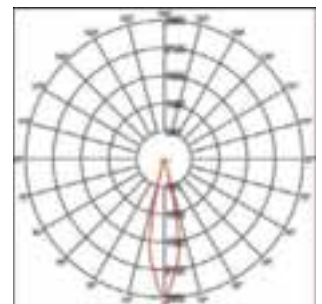
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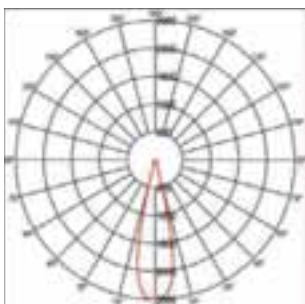
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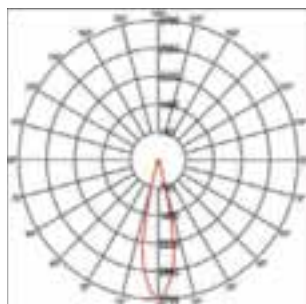
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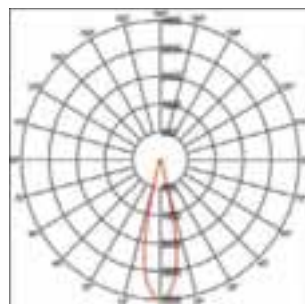
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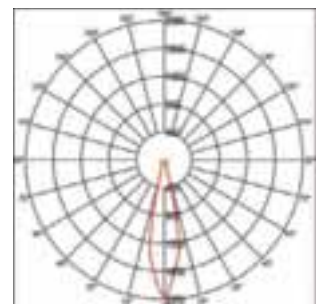
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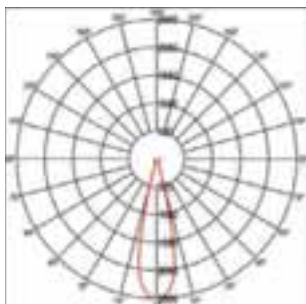


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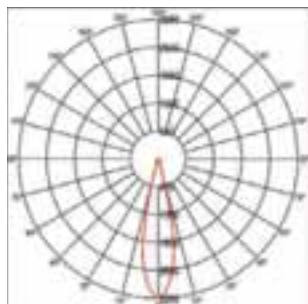


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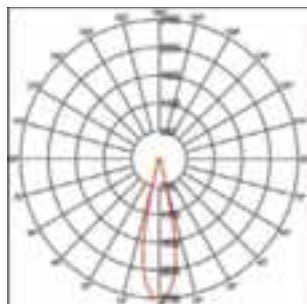




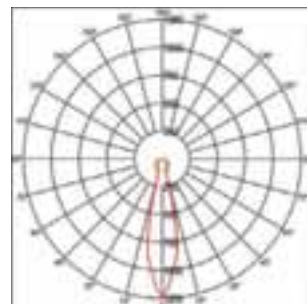
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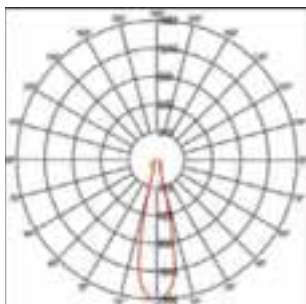
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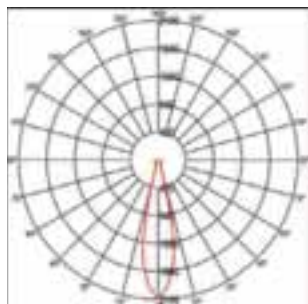
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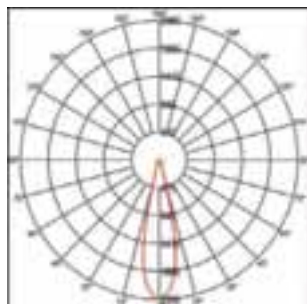
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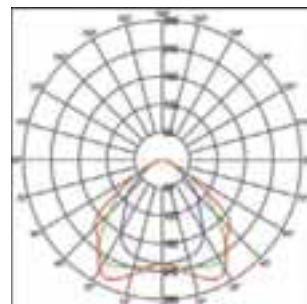
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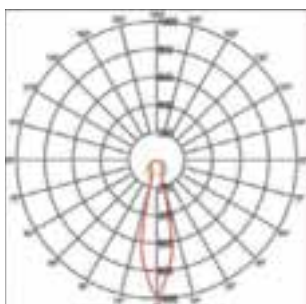
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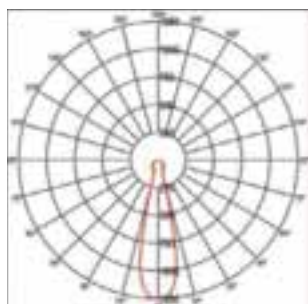
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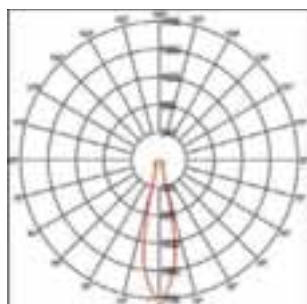
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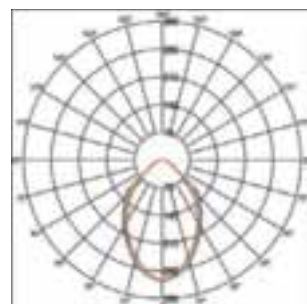
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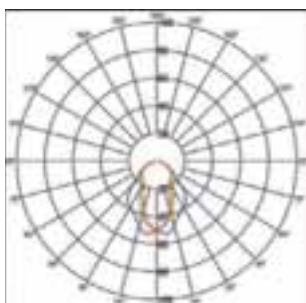
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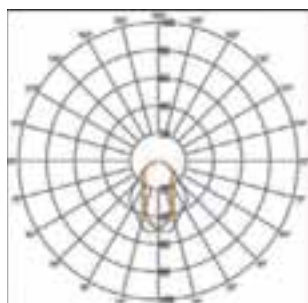
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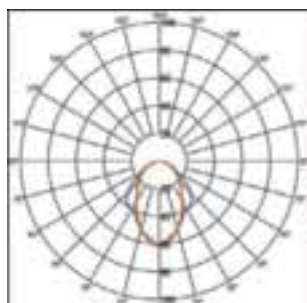
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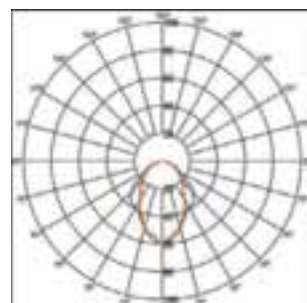
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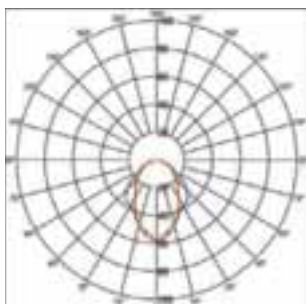
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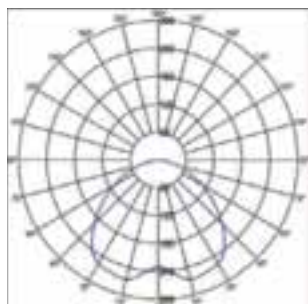
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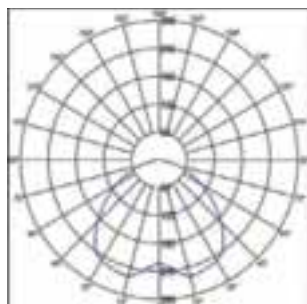
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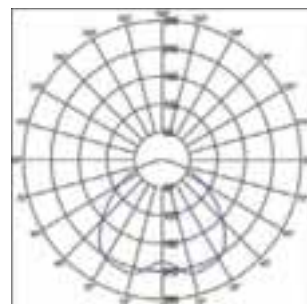
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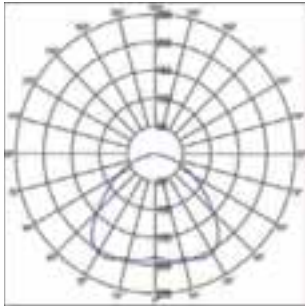
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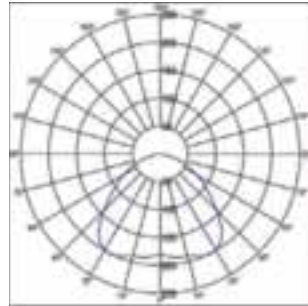
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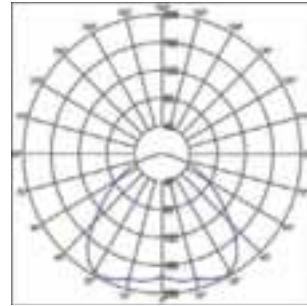
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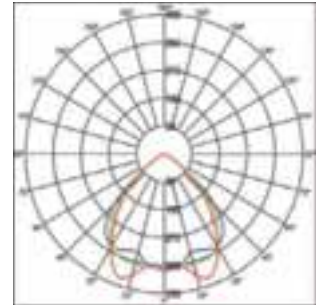
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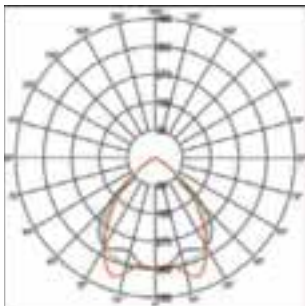
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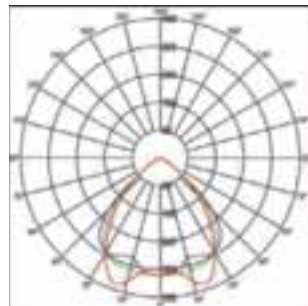
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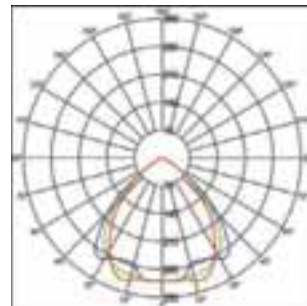
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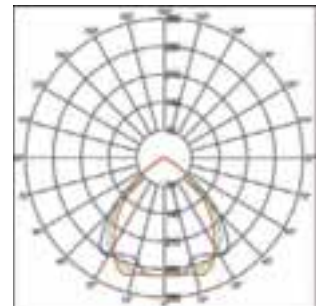
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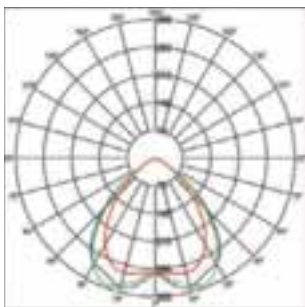
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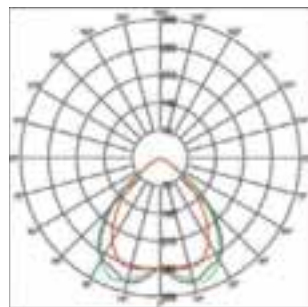
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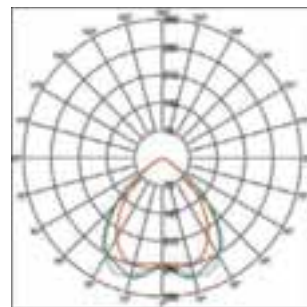
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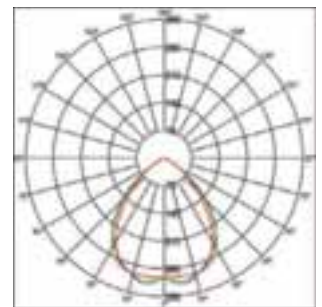
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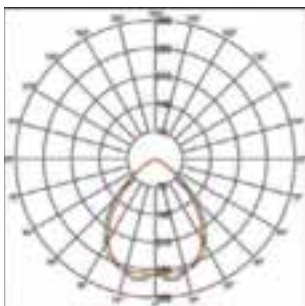
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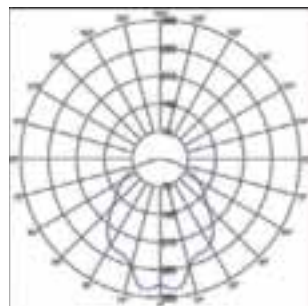
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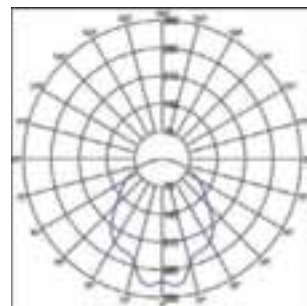
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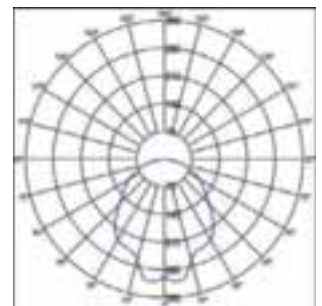
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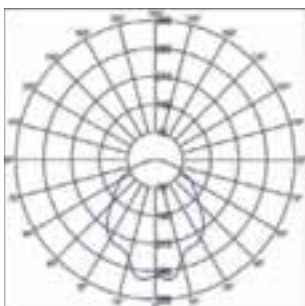
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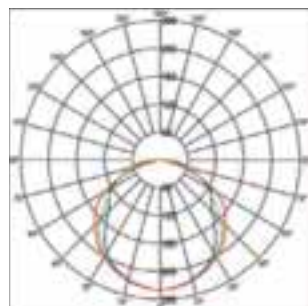
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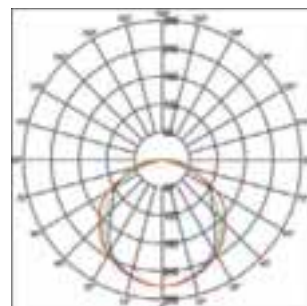
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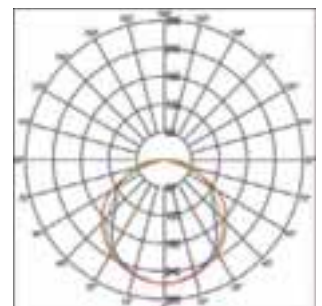
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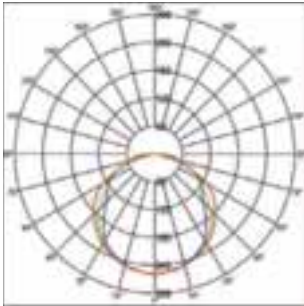


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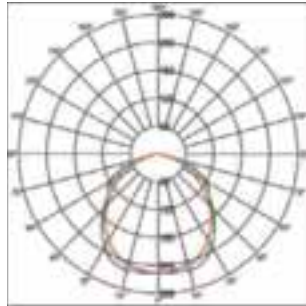


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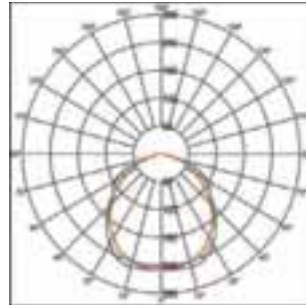




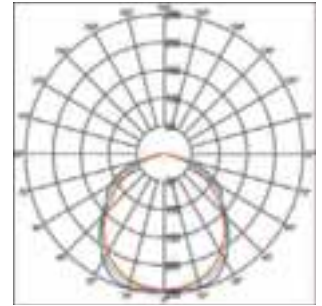
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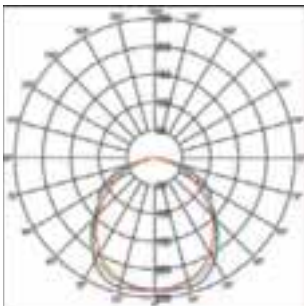
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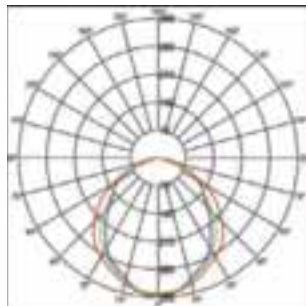
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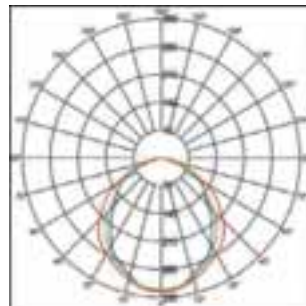
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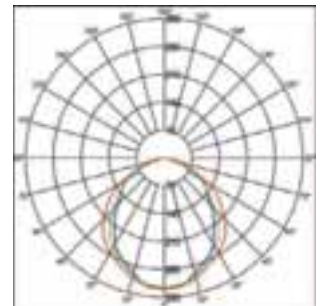
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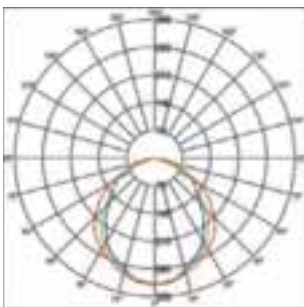
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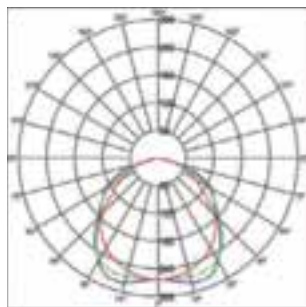
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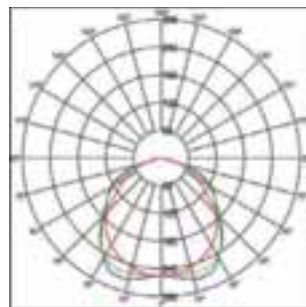
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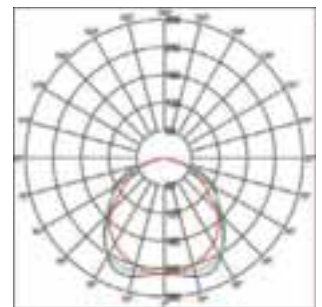
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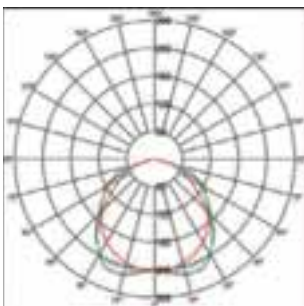
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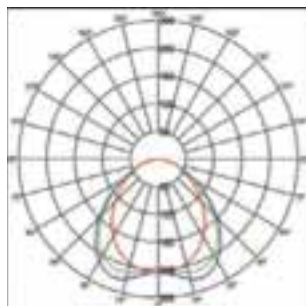
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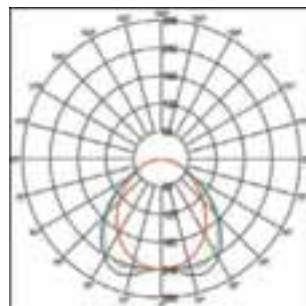
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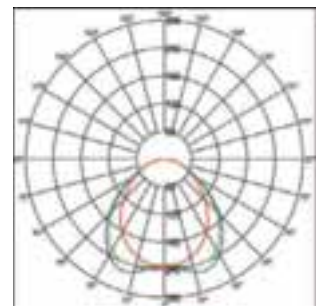
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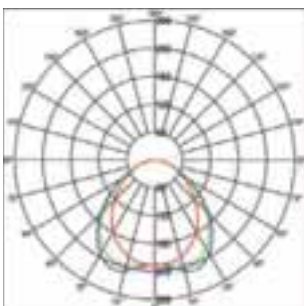
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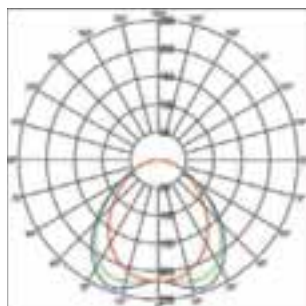
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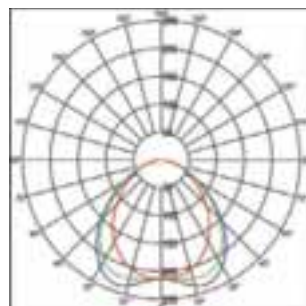
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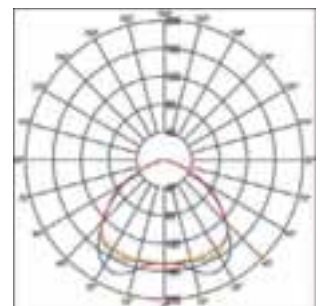
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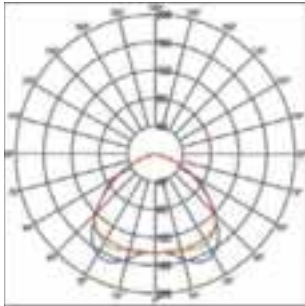
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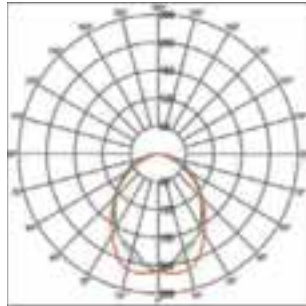
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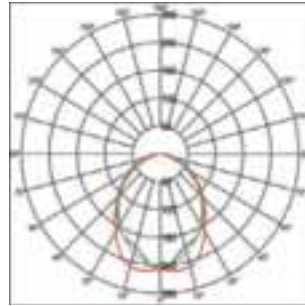
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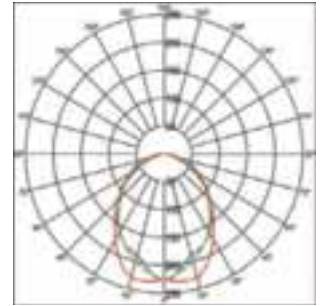
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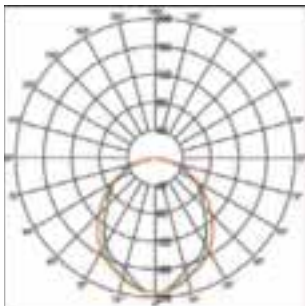
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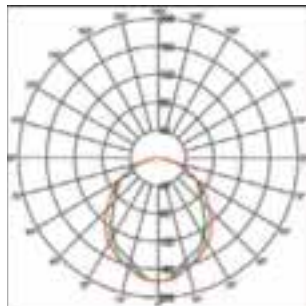
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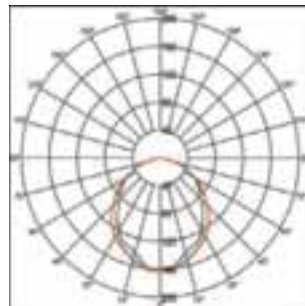
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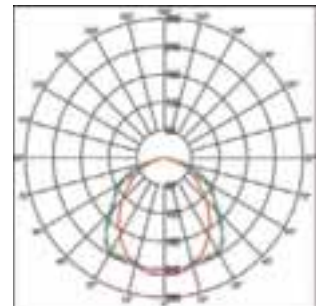
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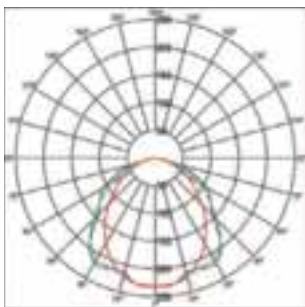
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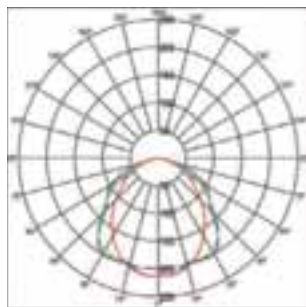
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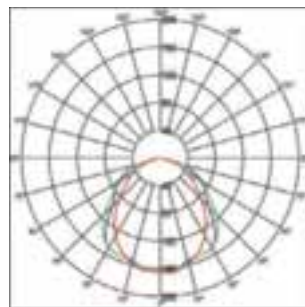
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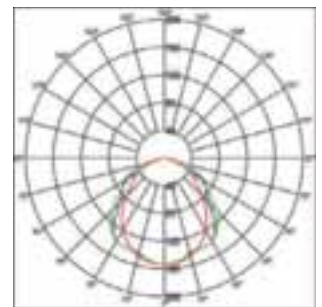
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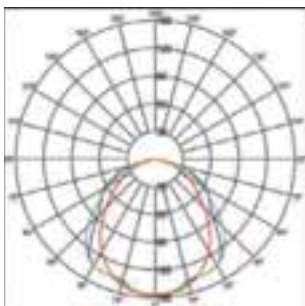
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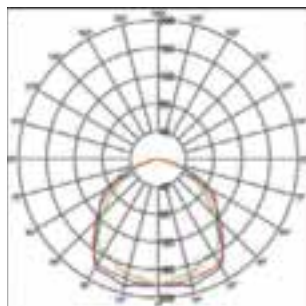
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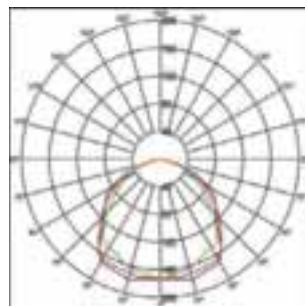
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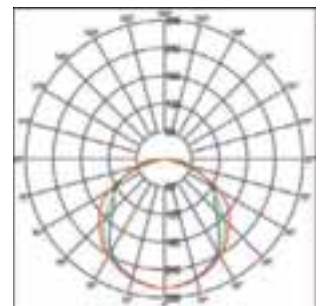
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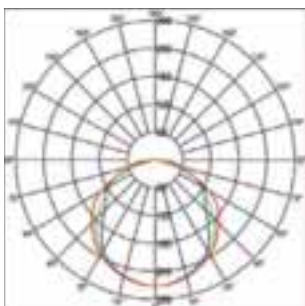
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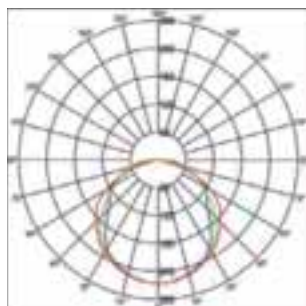
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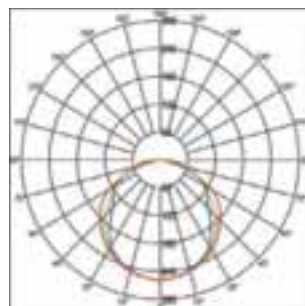
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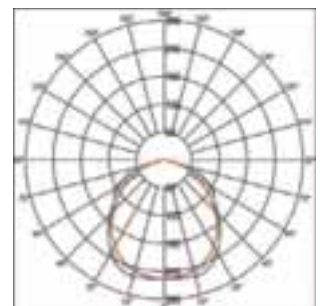
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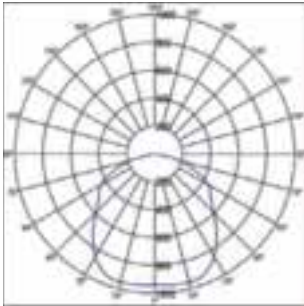


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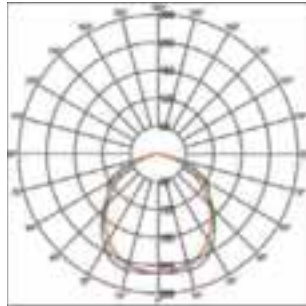


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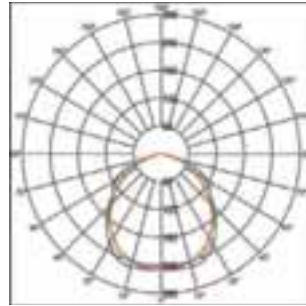




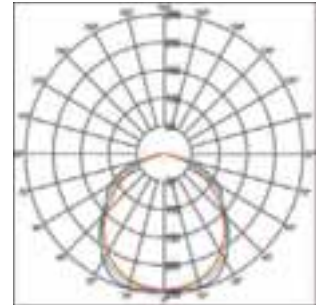
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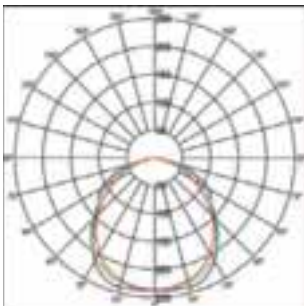
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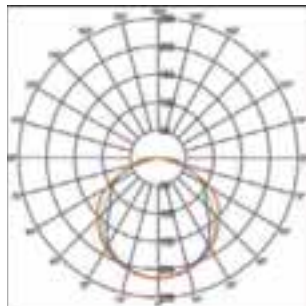
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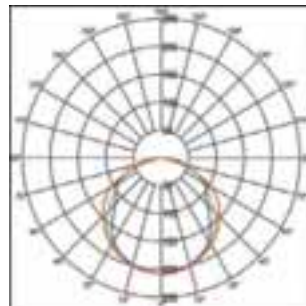
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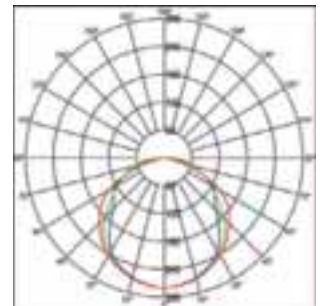
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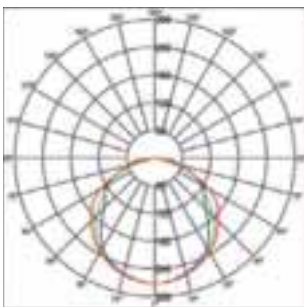
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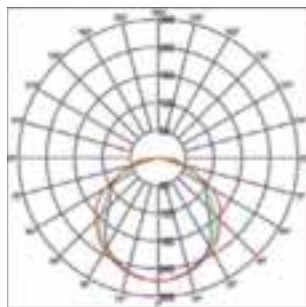
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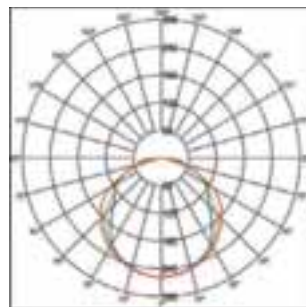
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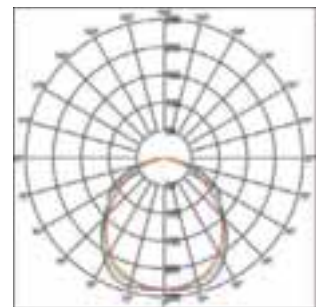
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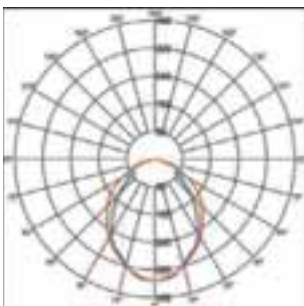
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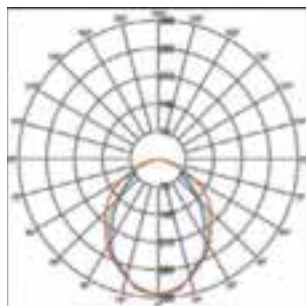
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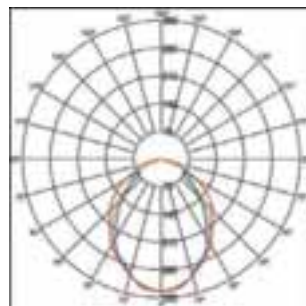
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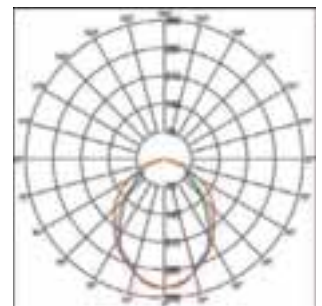
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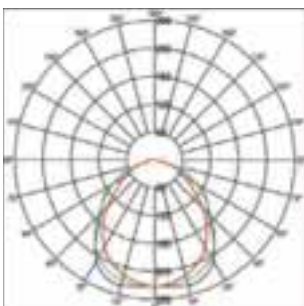
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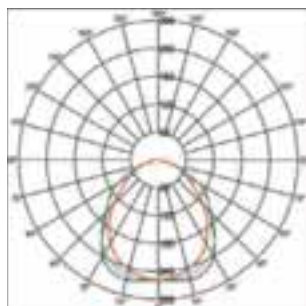
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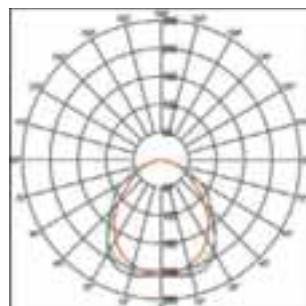
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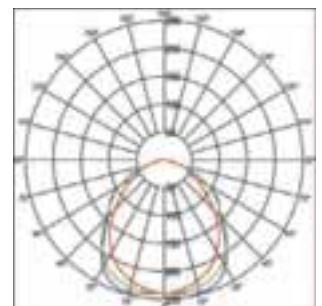
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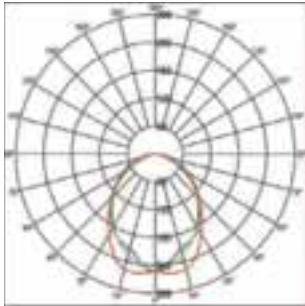
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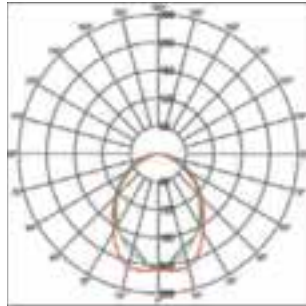
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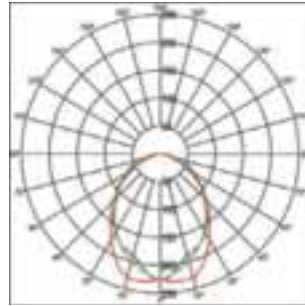
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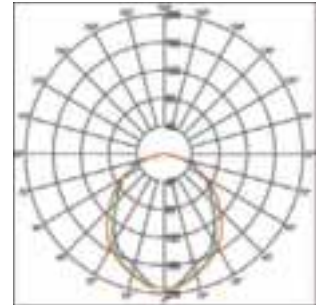
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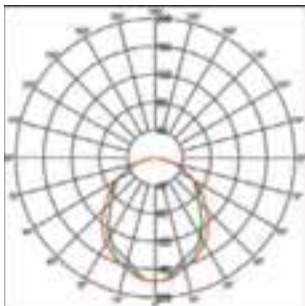
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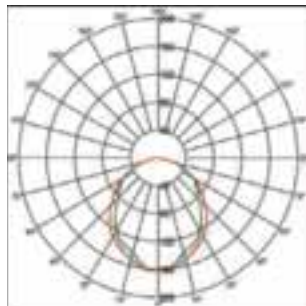
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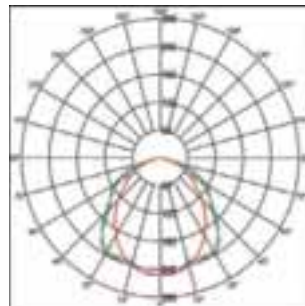
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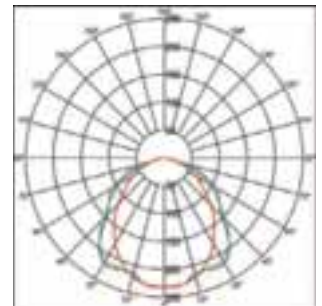
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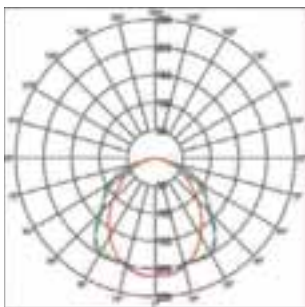
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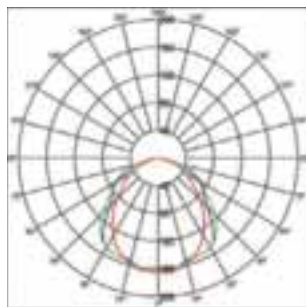
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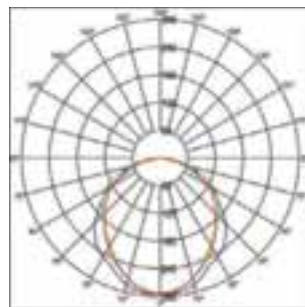
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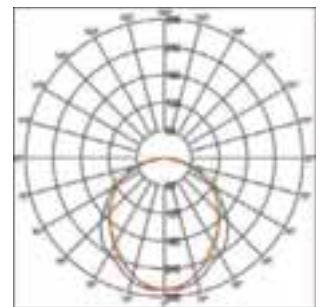
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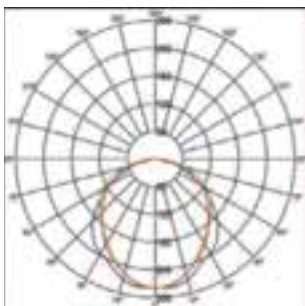
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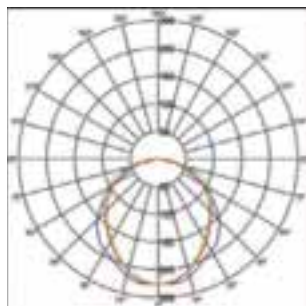
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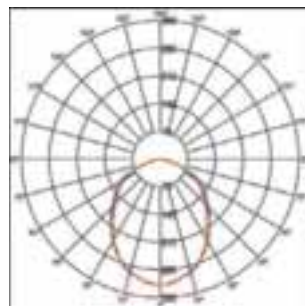
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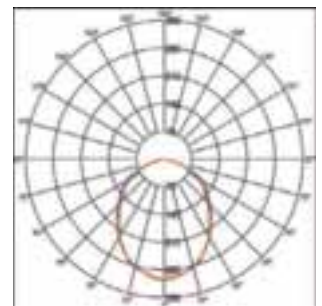
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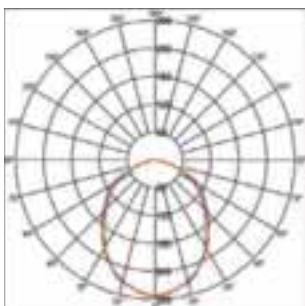
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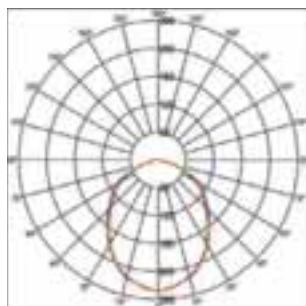
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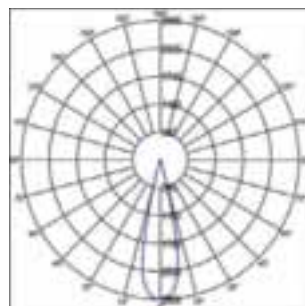
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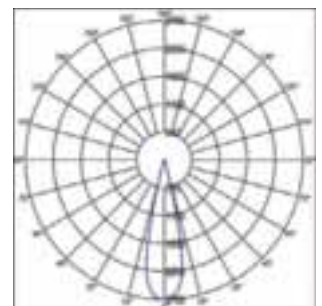
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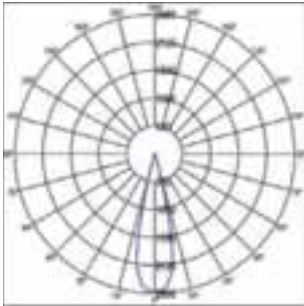


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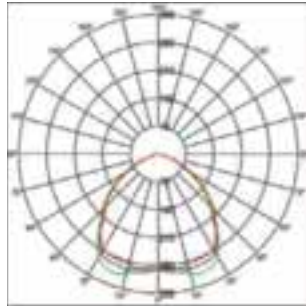


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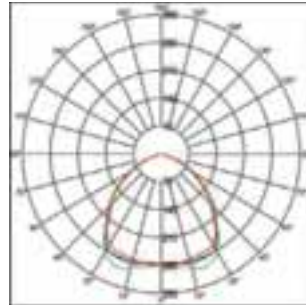




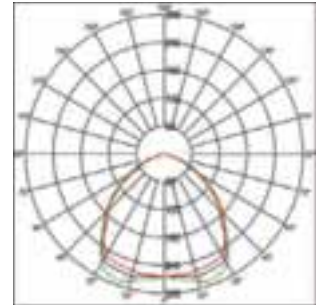
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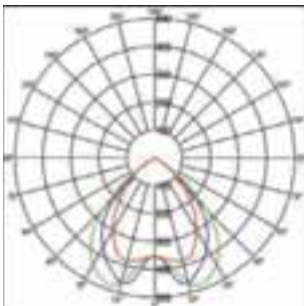
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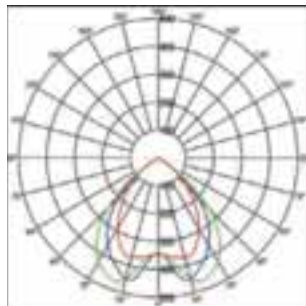
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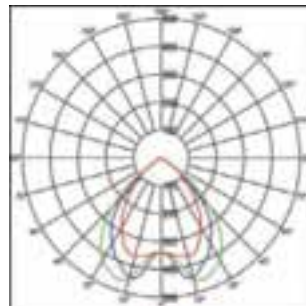
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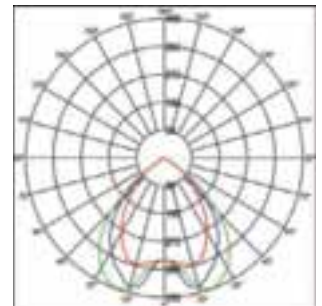
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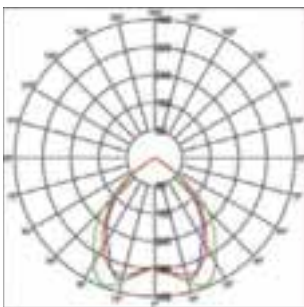
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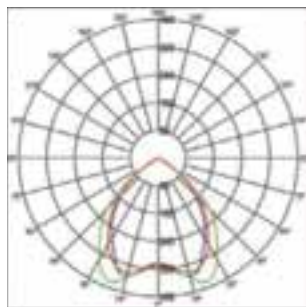
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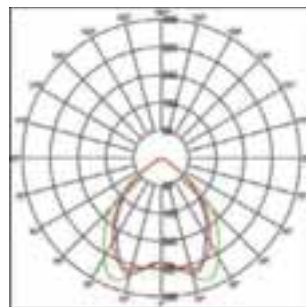
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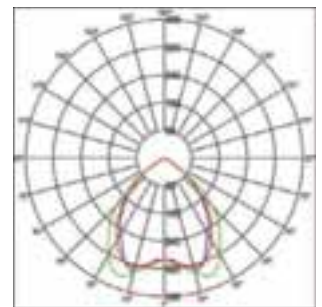
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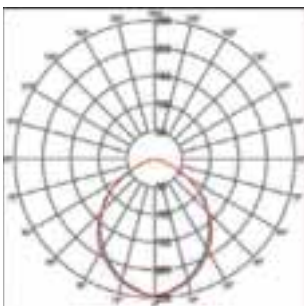
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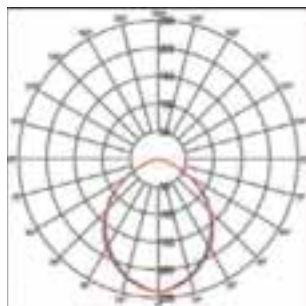
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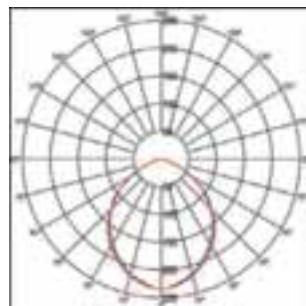
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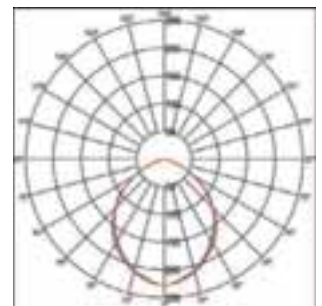
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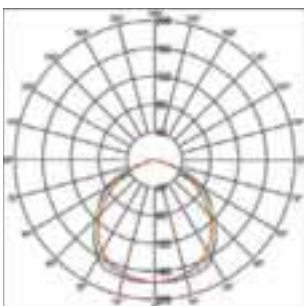
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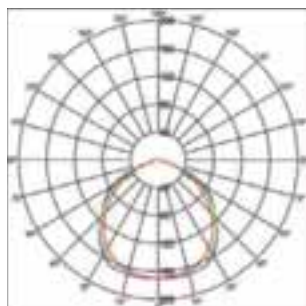
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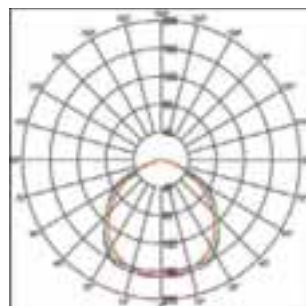
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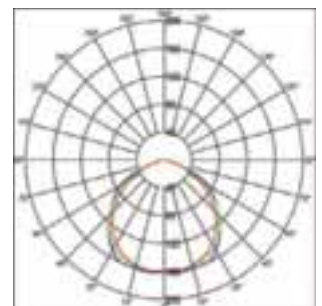
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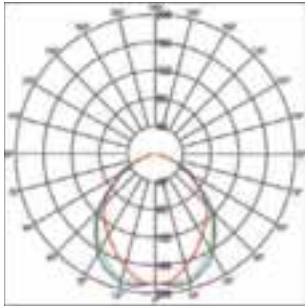
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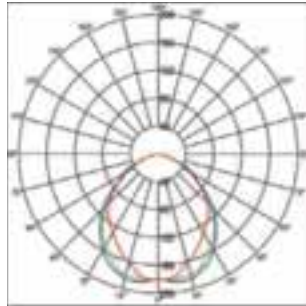
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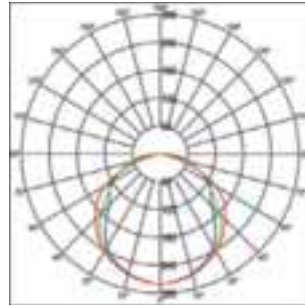
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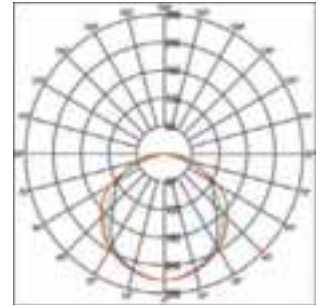
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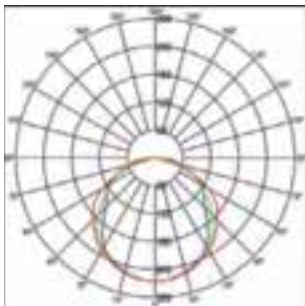
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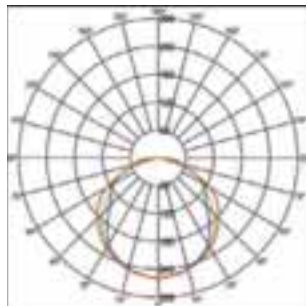
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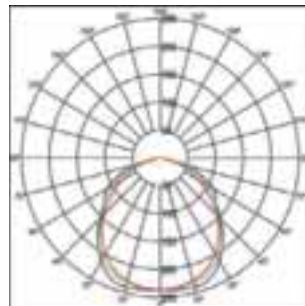
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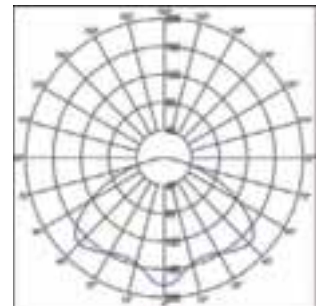
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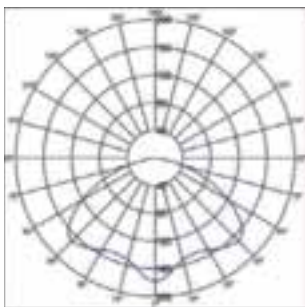
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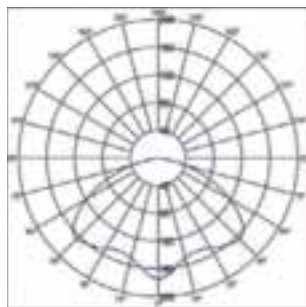
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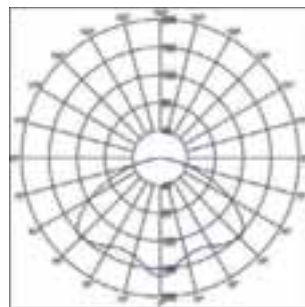
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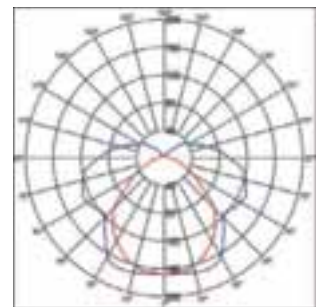
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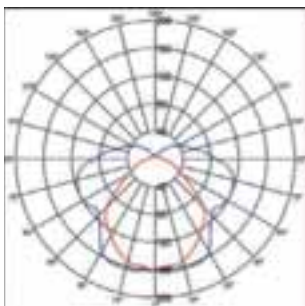
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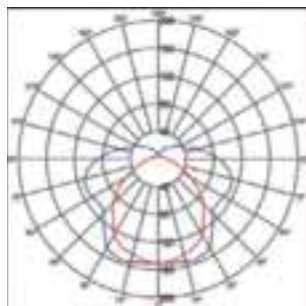
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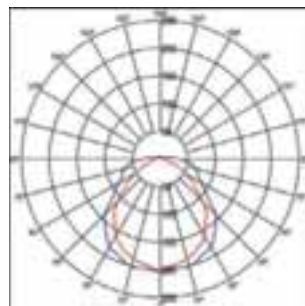
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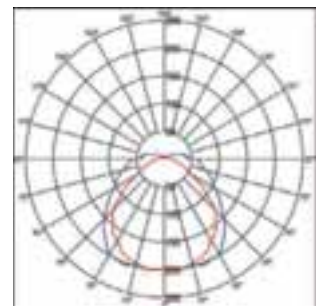
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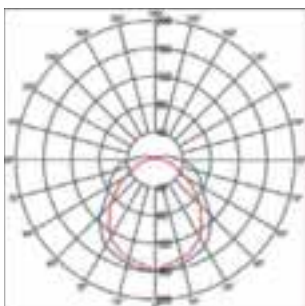
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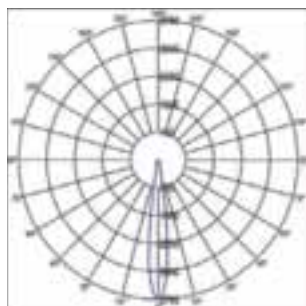
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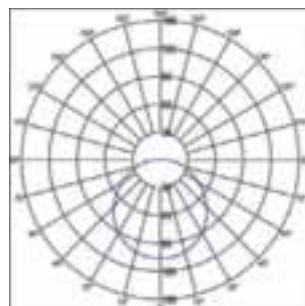
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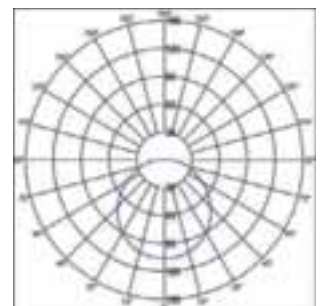


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991 01



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001 G 01 35	212,44	17	001 T 90 70	292,27	17	002 RC 52 70	304,21	236	007 C 90 42	131,57	172
001 G 01 70	289,90	17	002 B 01	201,60	235	002 RC 90 35	304,29	236	008 C 01 13	99,74	172
001 G 02 15	374,51	17	002 B 01 09	221,71	235	002 RC 90 70	304,21	236	008 C 01 18	99,76	172
001 G 02 35	294,45	17	002 B 01 25	293,43	237	002 SC 01 10	417,48	237	008 C 01 26	99,77	172
001 G 02 70	294,47	17	002 B 02	203,70	235	002 SC 01 50	417,46	237	008 C 01 32	136,18	172
001 G 52 15	374,51	17	002 B 02 09	224,75	235	002 SC 02 10	418,58	237	008 C 01 42	136,20	172
001 G 52 35	294,45	17	002 B 02 25	295,13	237	002 SC 02 50	419,56	237	008 C 02 13	100,06	172
001 G 52 70	294,47	17	002 B 52	203,70	235	002 SC 52 10	419,58	237	008 C 02 18	100,08	172
001 G 90 15	374,51	17	002 B 52 09	224,75	235	002 SC 52 50	419,56	237	008 C 02 26	100,10	172
001 G 90 35	294,45	17	002 B 52 25	295,13	237	002 SC 90 10	419,58	237	008 C 02 32	141,76	172
001 G 90 70	294,47	17	002 B 90	203,70	235	002 SC 90 50	419,56	237	008 C 02 42	141,81	172
001 H 01 10	124,55	16	002 B 90 09	224,75	235	002 TC 01 35	294,74	237	008 C 52 13	100,06	172
001 H 01 75	124,55	16	002 B 90 25	295,13	237	002 TC 01 70	294,76	237	008 C 52 18	100,08	172
001 H 02 10	127,78	16	002 D 01 50	103,18	234	002 TC 02 35	295,85	237	008 C 52 26	100,10	172
001 H 02 75	127,78	16	002 D 02 50	111,12	234	002 TC 02 70	295,87	237	008 C 52 32	141,76	172
001 H 52 10	127,78	16	002 D 52 50	111,12	234	002 TC 52 35	295,85	237	008 C 52 42	141,81	172
001 H 52 75	127,78	16	002 D 90 50	111,12	234	002 TC 52 70	295,87	237	008 C 90 13	100,06	172
001 H 90 10	127,78	16	002 GC 01 15	367,49	237	002 TC 90 35	295,85	237	008 C 90 18	100,08	172
001 H 90 75	127,78	16	002 GC 01 35	295,50	237	002 TC 90 70	295,87	237	008 C 90 26	100,10	172
001 L 01 03	143,03	14	002 GC 01 70	295,50	237	003 C 01 13	99,64	170	008 C 90 32	141,76	172
001 L 01 05	136,09	15	002 GC 02 15	369,59	237	003 C 01 18	99,66	170	008 C 90 42	141,81	172
001 L 01 07	143,03	15	002 GC 02 35	297,60	237	003 C 01 26	99,68	170	011 C 01	146,05	54
001 L 01 09	143,03	15	002 GC 02 70	297,60	237	003 C 01 32	124,95	170	011 C 02	150,32	54
001 L 02 03	143,40	15	002 GC 52 15	369,59	237	003 C 01 42	124,98	170	011 C 90	150,32	54
001 L 02 05	143,40	15	002 GC 52 35	297,60	237	003 C 02 13	94,28	170	012 C 01	156,32	251
001 L 02 07	143,40	15	002 GC 52 70	297,60	237	003 C 02 18	94,30	170	012 C 02	156,42	251
001 L 02 09	143,40	15	002 GC 90 15	369,59	237	003 C 02 26	94,32	170	012 C 90	156,42	251
001 L 52 03	143,40	15	002 GC 90 35	297,60	237	003 C 02 32	126,44	170	013 01 32 84	117,95	192
001 L 52 05	143,40	15	002 GC 90 70	297,60	237	003 C 02 42	126,72	170	013 01 42 84	117,97	192
001 L 52 07	143,40	15	002 HC 01 10	139,84	236	003 C 52 13	94,28	170	013 01 57 84	156,34	192
001 L 52 09	143,40	15	002 HC 01 75	139,82	236	003 C 52 18	94,30	170	013 02 32 84	123,80	192
001 L 90 03	143,40	15	002 HC 02 10	141,89	236	003 C 52 26	94,32	170	013 02 42 84	123,82	192
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001 L 90 09	143,40	15	002 HC 52 75	141,89	236	003 C 90 13	94,28	170	013 52 42 84	123,82	192
001 Q 01 10	113,41	15	002 HC 90 10	141,89	236	003 C 90 18	94,30	170	013 52 57 84	162,34	192
001 Q 01 35	106,89	15	002 HC 90 75	141,89	236	003 C 90 26	94,32	170	013 90 32 84	123,80	192
001 Q 01 50	106,89	15	002 L 01 03	154,12	234	003 C 90 32	126,44	170	013 90 42 84	123,82	192
001 Q 01 60	116,50	15	002 L 01 05	145,74	234	003 C 90 42	126,72	170	013 90 57 84	162,34	192
001 Q 01 75	113,41	15	002 L 01 07	102,20	234	004 C 01 13	95,13	170	014 01 13 84	44,41	190
001 Q 02 10	116,82	15	002 L 01 09	101,20	234	004 C 01 18	95,15	170	014 01 18 84	44,42	190
001 Q 02 35	109,89	15	002 L 02 03	103,55	234	004 C 01 26	95,17	170	014 01 26 84	44,43	190
001 Q 02 50	109,89	15	002 L 02 05	103,55	234	004 C 01 32	135,52	170	014 01 26 84	44,43	190
001 Q 02 60	120,00	15	002 L 02 07	103,55	234	004 C 01 42	135,54	170	014 03 13 84	46,56	190
001 Q 02 75	116,82	15	002 L 02 09	103,55	234	004 C 02 13	100,75	170	014 03 18 84	46,57	190
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001 Q 52 50	109,89	15	002 L 52 07	103,55	234	004 C 02 32	139,29	170	014 05 18 84	46,57	190
001 Q 52 60	120,00	15	002 L 52 09	103,55	234	004 C 02 42	139,31	170	014 05 26 84	46,58	190
001 Q 52 75	116,82	15	002 L 90 03	103,55	234	004 C 52 13	100,75	170	014 52 13 84	46,56	190
001 Q 90 10	116,82	15	002 L 90 05	103,55	234	004 C 52 18	100,77	170	014 52 18 84	46,57	190
001 Q 90 35	109,89	15	002 L 90 07	103,55	234	004 C 52 26	100,79	170	014 52 26 84	46,58	190
001 Q 90 50	109,89	15	002 L 90 09	103,55	234	004 C 52 32	139,29	170	014 90 13 84	46,56	190
001 Q 90 60	120,00	15	002 QC 01 10	119,83	235	004 C 52 42	139,31	170	014 90 18 84	46,57	190
001 Q 90 75	116,82	15	002 QC 01 35	99,75	235	004 C 90 13	100,75	170	014 90 26 84	46,58	190
001 R 01 35	307,92	16	002 QC 01 50	99,75	235	004 C 90 18	100,77	170	015 01 13 84	50,88	180
001 R 01 70	307,94	16	002 QC 01 60	124,17	235	004 C 90 26	100,79	170	015 01 18 84	50,89	180
001 R 02 35	317,15	16	002 QC 01 75	119,83	235	004 C 90 32	139,29	170	015 01 26 84	50,90	180
001 R 02 70	317,17	16	002 QC 02 10	123,12	235	004 C 90 42	139,31	170	015 01 26 84	50,90	180
001 R 52 35	317,15	16	002 QC 02 35	104,84	235	007 C 01 13	93,52	172	015 02 21 86	200,91	154
001 R 52 70	317,17	16	002 QC 02 50	104,84	235	007 C 01 18	93,54	172	015 03 13 84	57,85	180
									015 03 18 84	57,87	180

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
015 03 21 86	200,91	194	019 01 13 84	76,36	202	020 L 90 01 07	200,80	22	022 01 01 60 45	179,95	22
015 03 26 84	57,06	180	019 01 14 84	119,60	202	020 L 90 02 03	207,31	23	022 01 02 35 24	177,24	22
015 05 13 84	57,06	180	019 01 17 84	119,60	202	020 L 90 02 05	287,26	23	022 01 02 50 45	177,24	22
015 05 18 84	57,07	180	019 01 18 84	76,36	202	020 L 90 02 07	296,42	23	022 01 02 60 45	185,35	22
015 05 21 86	200,91	194	019 01 26 84	76,40	202	020 L 90 03 03	412,95	24	022 01 52 35 24	177,24	22
015 05 26 84	57,06	180	019 01 32 84	121,81	202	020 L 90 03 05	383,87	24	022 01 52 50 45	177,24	22
015 52 13 84	57,06	180	019 01 33 86	244,42	159	020 L 90 03 07	395,08	24	022 01 52 60 45	185,35	22
015 52 18 84	57,07	180	019 01 42 84	121,81	202	020 L 90 04 03	579,29	25	022 01 90 35 24	177,24	22
015 52 21 86	200,91	194	019 02 33 86	250,99	159	020 L 90 04 05	539,90	25	022 01 90 50 45	177,24	22
015 52 26 84	57,06	180	019 05 13 84	83,38	202	020 L 90 04 07	504,28	25	022 01 90 60 45	185,35	22
015 90 13 84	57,06	180	019 05 14 84	128,56	202	020 U 02 01	138,60	22	022 02 01 35 24	238,64	23
015 90 18 84	57,07	180	019 05 17 84	128,56	202	020 U 02 02	187,19	23	022 02 01 50 45	238,64	23
015 90 21 86	200,91	194	019 05 18 84	83,40	202	020 U 02 03	241,42	24	022 02 01 60 45	254,80	23
015 90 26 84	57,06	180	019 05 26 84	83,43	202	020 U 02 04	346,58	25	022 02 02 35 24	246,00	23
016 01 13 84	57,37	204	019 05 32 84	130,89	202	020 U 52 01	138,60	22	022 02 02 50 45	246,00	23
016 01 18 84	57,39	204	019 05 42 84	130,89	202	020 U 52 02	187,19	23	022 02 02 60 45	262,23	23
016 01 26 84	57,41	204	019 52 13 84	83,38	202	020 U 52 03	241,42	24	022 02 52 35 24	246,00	23
016 05 13 84	81,31	204	019 52 14 84	128,56	202	020 U 52 04	346,58	25	022 02 52 50 45	246,00	23
016 05 18 84	81,53	204	019 52 17 84	128,56	202	020 U 90 01	138,60	22	022 02 52 60 45	262,23	23
016 05 26 84	81,55	204	019 52 18 84	83,40	202	020 U 90 02	187,19	23	022 02 90 35 24	246,00	23
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016 52 18 84	81,53	204	019 52 32 84	130,89	202	020 U 90 04	346,58	25	022 02 90 60 45	262,23	23
016 52 26 84	81,55	204	019 52 33 86	250,99	159	021 02 01 50	144,98	238	022 03 01 35 24	299,88	24
016 90 13 84	81,31	204	019 52 42 84	130,89	202	021 02 02 50	196,83	239	022 03 01 50 45	299,88	24
016 90 18 84	81,53	204	019 90 13 84	83,38	202	021 52 01 50	248,33	239	022 03 01 60 45	313,01	24
016 90 26 84	81,55	204	019 90 14 84	128,56	202	021 52 02 50	144,98	238	022 03 02 35 24	306,67	24
017 01 13 84	83,88	204	019 90 17 84	128,56	202	021 52 03 50	198,63	239	022 03 02 50 45	306,67	24
017 01 16 86	170,74	196	019 90 18 84	83,40	202	021 52 03 50	248,33	239	022 03 02 60 45	333,01	24
017 01 18 84	83,99	204	019 90 26 84	83,43	202	021 90 01 50	144,98	238	022 03 52 35 24	306,67	24
017 01 26 84	84,00	204	019 90 32 84	130,89	202	021 90 02 50	196,83	239	022 03 52 50 45	306,67	24
017 02 16 86	174,26	198	019 90 33 86	250,99	159	021 90 03 50	248,33	239	022 03 52 60 45	333,01	24
017 05 13 84	88,00	204	019 90 42 84	130,89	202	021 L 02 01 03	197,40	238	022 03 90 35 24	306,67	24
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017 05 26 84	88,04	204	019 F 01 70 84	149,67	223	021 L 02 01 07	200,20	238	022 03 90 60 45	333,01	24
017 52 13 84	88,00	204	019 F 05 15 84	166,18	223	021 L 02 01 10 07	194,00	238	022 04 01 35 24	429,10	25
017 52 16 86	174,26	196	019 F 05 70 84	157,51	223	021 L 02 02 03	301,88	239	022 04 01 50 45	429,10	25
017 52 18 84	88,00	204	019 F 52 15 84	166,18	223	021 L 02 02 05	282,17	239	022 04 01 60 45	460,62	25
017 52 26 84	88,04	204	019 F 52 70 84	157,51	223	021 L 02 02 07	316,20	239	022 04 02 35 24	441,97	25
017 90 13 84	88,00	204	019 F 90 15 84	166,18	223	021 L 02 02 10 07	294,36	239	022 04 02 50 45	441,97	25
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017 90 18 84	88,00	204	020 02 01 50	141,76	22	021 L 02 03 05	377,26	239	022 04 52 35 24	441,97	25
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017 G 01 15 84	190,39	223	020 02 03 50	243,86	24	021 L 02 03 10 07	388,36	239	022 04 52 60 45	474,43	25
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017 G 05 70 84	190,40	223	020 52 02 50	193,51	23	021 L 52 01 07	200,20	238	022 04 90 60 45	474,43	25
017 G 52 15 84	194,69	223	020 52 03 50	243,86	24	021 L 52 01 10 07	194,00	238	022 B 01 01 12	277,30	22
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018 05 13 84	78,91	202	020 L 02 02 07	296,42	23	021 L 90 01 07	200,20	238	022 B 04 01 12	813,86	25
018 05 14 84	119,60	202	020 L 02 03 03	412,96	24	021 L 90 01 10 07	194,00	238	022 B 04 02 12	844,45	25
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018 05 18 84	78,93	202	020 L 02 03 07	395,08	24	021 L 90 02 05	282,17	239	022 B 04 90 12	844,45	25
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018 90 32 84	120,81	202	020 L 90 01 03	200,02	22	022 01 01 35 24	172,08	22			
018 90 42 84	120,81	202	020 L 90 01 05	193,20	22	022 01 01 50 45	172,08	22			

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
025 02 01 35	241,00	240	031 01 90 50	186,88	242	039 L 02 02 03	258,81	249	045 18 60CP	261,20	97
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025 02 01 60	265,86	240	031 02 01 35	269,70	243	039 L 02 02 07	325,24	249	045 L 13 12	324,00	97
025 02 02 35	243,00	240	031 02 01 50	269,70	243	039 L 02 02 10 07	303,91	249	045 L 18 12	324,00	97
025 02 02 50	243,00	240	031 02 01 60	272,12	243	039 L 52 01 03	192,18	248	046 13 10CP	257,06	97
025 02 02 60	267,77	240	031 02 02 35	271,80	243	039 L 52 01 05	181,60	248	046 13 35CP	244,42	97
025 02 52 35	243,00	240	031 02 02 50	271,80	243	039 L 52 01 07	198,54	248	046 13 50CP	244,42	97
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025 03 01 35	302,92	241	031 02 90 50	271,80	243	039 L 90 01 03	192,18	248	046 18 60CP	261,20	97
025 03 01 50	302,92	241	031 02 90 60	274,18	243	039 L 90 01 05	181,60	248	046 18 75CP	257,06	97
025 03 01 60	305,33	241	031 8 01 01 12	292,25	242	039 L 90 01 07	198,54	248	046 L 13 12	324,00	97
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025 03 02 60	340,47	241	031 8 01 90 12	294,35	242	039 L 90 02 05	291,34	249	047 13 35CP	261,20	99
025 03 52 35	305,33	241	031 8 02 01 12	465,26	243	039 L 90 02 07	325,24	249	047 13 50CP	261,20	99
025 03 52 50	305,33	241	031 8 02 02 12	467,46	243	039 L 90 02 10 07	303,91	249	047 13 60CP	291,68	99
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025 03 90 35	305,33	241	031 8 02 90 12	467,46	243	040 90 18 CP	99,46	94	047 18 10CP	267,56	99
025 03 90 50	305,33	241	032 90 01 50	137,64	30	041 13 10CP	170,18	94	047 18 35CP	261,22	99
025 03 90 60	340,47	241	032 90 02 50	188,30	30	041 13 35CP	155,69	94	047 18 50CP	261,22	99
025 8 01 01 12	278,11	240	032 L 90 01 03	180,06	36	041 13 50CP	155,69	94	047 18 60CP	291,70	99
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025 8 03 02 12	615,79	241	033 52 02 50	202,73	247	041 L 18 12	244,16	94	048 18 10CP	267,56	99
025 8 03 52 12	615,79	241	033 90 01 50	140,33	248	042 13 10CP	170,18	94	048 18 35CP	261,22	99
025 8 03 90 12	615,79	241	033 90 02 50	202,73	247	042 13 35CP	155,69	94	048 18 50CP	261,22	99
030 01 01 35	194,58	38	033 L 02 01 03	194,51	246	042 13 50CP	155,69	94	048 18 60CP	291,70	99
030 01 01 50	194,58	38	033 L 02 01 05	183,90	246	042 13 60CP	170,18	94	048 18 75CP	267,56	99
030 01 01 60	208,29	38	033 L 02 01 07	188,62	246	042 13 75CP	170,18	94	048 L 13 12	548,85	99
030 01 02 35	200,41	38	033 L 02 01 10 07	187,55	246	042 18 10CP	170,20	94	048 L 18 12	548,85	99
030 01 02 50	200,41	38	033 L 02 02 03	221,12	247	042 18 35CP	170,18	94	049 13 10CP	319,07	101
030 01 02 60	212,47	38	033 L 02 02 05	267,96	247	042 18 50CP	155,71	94	049 13 35CP	300,73	101
030 01 52 35	200,41	38	033 L 02 02 07	221,12	247	042 18 60CP	170,20	94	049 13 50CP	300,73	101
030 01 52 50	200,41	38	033 L 02 02 10 07	267,26	247	042 18 75CP	170,20	94	049 13 60CP	303,18	101
030 01 52 60	212,47	38	033 L 52 01 03	194,51	246	042 L 13 12	244,14	94	049 13 75CP	319,07	101
030 01 90 35	200,41	38	033 L 52 01 05	183,90	246	042 L 18 12	244,16	94	049 18 10CP	319,00	101
030 01 90 50	200,41	38	033 L 52 01 07	188,62	246	043 13 10CP	230,85	95	049 18 35CP	300,76	101
030 01 90 60	212,47	38	033 L 52 01 10 07	187,55	246	043 13 35CP	204,00	95	049 18 50CP	300,76	101
030 02 01 35	268,69	39	033 L 52 02 03	221,12	247	043 13 50CP	204,00	95	049 18 60CP	323,21	101
030 02 01 50	268,69	39	033 L 52 02 05	267,96	247	043 13 60CP	230,85	95	049 18 75CP	319,00	101
030 02 01 60	262,33	39	033 L 52 02 07	221,12	247	043 13 75CP	230,85	95	049 L 13 12	481,93	101
030 02 02 35	278,75	39	033 L 52 02 10 07	267,26	247	043 18 10CP	230,87	95	049 L 18 12	481,93	101
030 02 02 50	278,75	39	033 L 90 01 03	194,51	246	043 18 35CP	204,02	95	050 13 10CP	319,07	101
030 02 02 60	301,09	39	033 L 90 01 05	183,90	246	043 18 50CP	204,02	95	050 13 35CP	300,73	101
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030 02 52 60	301,09	39	033 L 90 02 03	221,12	247	043 L 13 12	389,58	95	050 13 75CP	319,07	101
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030 8 01 01 12	292,25	38	038 90 01 50	137,64	37	044 13 50CP	204,00	95	050 18 60CP	323,21	101
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030 8 02 01 12	464,02	39	038 L 90 01 07	188,67	37	044 18 35CP	204,02	95	051 02 50	189,21	27
030 8 02 02 12	474,88	39	038 L 90 02 03	308,93	37	044 18 50CP	204,02	95	051 90 50	189,21	27
030 8 02 52 12	474,88	39	038 L 90 02 05	293,40	37	044 18 60CP	230,87	95	051 L 02 03	302,86	27
030 8 02 90 12	474,88	39	038 L 90 02 07	298,81	37	044 18 75CP	230,87	95	051 L 02 05	262,89	27
031 01 01 35	194,58	242	039 02 01 50	138,75	248	044 L 13 12	389,58	95	051 L 02 07	292,08	27
031 01 01 50	194,58	242	039 02 02 50	206,18	249	044 L 18 12	389,58	95	051 L 52 03	302,86	27
031 01 01 60	200,29	242	039 52 01 50	138,75	248	045 13 10CP	257,06	97	051 L 52 05	262,89	27
031 01 02 35	198,68	242	039 52 02 50	206,18	249	045 13 35CP	244,42	97	051 L 52 07	292,08	27
031 01 02 50	198,68	242	039 90 01 50	138,75	248	045 13 50CP	244,42	97	051 L 90 03	302,86	27
031 01 02 60	208,39	242	039 90 02 50	206,18	249	045 13 60CP	261,18	97	051 L 90 05	262,89	27
031 01 52 35	186,68	242	039 L 02 01 03	182,10	248	045 13 75CP	267,06	97	051 L 90 07	292,08	27
031 01 52 50	186,68	242	039 L 02 01 05	181,60	248	045 18 10CP	257,06	97	052 02 50	344,80	27
031 01 52 60	208,39	242	039 L 02 01 07	198,54	248	045 18 35CP	244,44	97	052 52 50	344,80	27
031 01 90 35	198,68	242	039 L 02 01 10 07	188,77	248	045 18 50CP	244,44	97			

Ref.	€	Flag	Ref.	€	Flag	Ref.	€	Flag	Ref.	€	Flag
052 00 50	344,00	27	061 S 90 50 45	262,85	28	074 52 26 84	138,88	144	096 52 75	164,14	30
052 L 02 03	517,19	27	061 S 90 60 45	277,82	28	074 90 13 84	136,80	144	096 90 10	165,75	30
052 L 02 05	501,99	27	063 02 35 24	245,24	28	074 90 18 84	137,83	144	096 90 35	156,96	30
052 L 02 07	546,17	27	063 02 50 45	245,24	28	074 90 26 84	138,88	144	096 90 50	156,96	30
052 L 52 03	517,19	27	063 02 60 45	260,43	28	091 01 50	45,64	86	096 90 60	167,50	30
052 L 52 05	501,99	27	063 52 35 24	245,24	28	091 02 50	47,01	86	096 90 75	164,14	30
052 L 52 07	546,17	27	063 52 50 45	245,24	28	091 90 50	47,01	86	096 B 01 12	253,29	30
052 L 90 03	517,19	27	063 52 60 45	260,43	28	091 L 01 03	97,04	86	096 B 02 12	260,89	30
052 L 90 05	501,99	27	063 90 35 24	245,24	28	091 L 01 05	90,24	86	096 B 52 12	260,89	30
052 L 90 07	546,17	27	063 90 50 45	245,24	28	091 L 01 07	104,60	86	096 B 90 12	260,89	30
055 02 50	186,32	26	063 90 60 45	260,43	28	091 L 02 03	93,95	86	097 B 01 12	435,70	31
055 52 50	186,32	26	063 B 02 12	443,85	28	091 L 02 05	92,95	86	097 B 02 12	448,76	31
055 90 50	186,32	26	063 B 52 12	443,85	28	091 L 02 07	114,80	86	097 B 52 12	448,76	31
055 L 02 03	244,87	26	063 B 90 12	443,85	28	091 L 10 01 07	93,89	86	097 B 90 12	448,76	31
055 L 02 05	233,07	26	064 02 35 24	441,77	29	091 L 10 02 07	95,09	86	098 01 10	250,42	31
055 L 02 07	241,27	26	064 02 50 45	441,77	29	091 L 10 90 07	96,09	86	098 01 35	235,95	31
055 L 52 03	244,87	26	064 02 60 45	473,29	29	091 L 90 03	90,95	86	098 01 50	235,95	31
055 L 52 05	233,07	26	064 52 35 24	441,77	29	091 L 90 05	92,95	86	098 01 60	254,55	31
055 L 52 07	241,27	26	064 52 50 45	441,77	29	091 L 90 07	114,80	86	098 01 75	250,42	31
055 L 90 03	244,87	26	064 52 60 45	473,29	29	092 01 50	71,31	86	098 02 10	267,32	31
055 L 90 05	233,07	26	064 90 35 24	441,77	29	092 02 50	73,44	86	098 02 35	245,40	31
055 L 90 07	241,27	26	064 90 50 45	441,77	29	092 90 50	73,44	86	098 02 50	243,02	31
056 B 01 12	215,02	60	064 90 60 45	473,29	29	092 L 01 03	174,11	86	098 02 60	262,18	31
056 B 02 12	221,47	60	064 B 02 12	834,79	29	092 L 01 05	163,51	86	098 02 75	257,32	31
056 B 52 12	221,47	60	064 B 52 12	834,79	29	092 L 01 07	189,80	86	098 52 10	267,32	31
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056 OC 01 10	116,10	60	066 02 35 24	470,56	29	092 L 02 05	168,30	86	098 52 50	243,02	31
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056 OC 01 75	116,10	60	066 52 50 45	470,56	29	092 L 10 90 07	163,40	86	098 90 35	245,40	31
056 OC 02 10	119,58	60	066 52 60 45	484,44	29	092 L 90 03	179,39	86	098 90 50	243,02	31
056 OC 02 35	117,32	60	066 90 35 24	470,56	29	092 L 90 05	168,30	86	098 90 60	262,18	31
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056 OC 52 50	117,32	60	067 05	69,03	111	093 L 01 05	204,20	87	099 C 01 10	314,67	30
056 OC 52 60	123,80	60	068 52	81,05	111	093 L 01 07	279,10	87	099 C 01 35	304,28	30
056 OC 52 75	119,58	60	069 01	107,60	110	093 L 02 03	262,22	87	099 C 01 50	304,28	30
056 OC 90 10	119,58	60	069 02	107,60	110	093 L 02 05	241,22	87	099 C 01 60	324,42	30
056 OC 90 35	117,32	60	069 52	107,60	110	093 L 02 07	268,20	87	099 C 01 75	314,67	30
056 OC 90 50	117,32	60	069 90	107,60	110	093 L 10 01 07	227,34	87	099 C 02 10	324,10	30
056 OC 90 60	123,80	60	070 52	154,64	53	093 L 10 02 07	234,36	87	099 C 02 35	313,40	30
056 OC 90 75	119,58	60	071 00	258,80	41	093 L 10 90 07	234,36	87	099 C 02 50	313,40	30
056 RC 01 35	296,82	60	071 00 06	373,13	41	093 L 90 03	262,22	87	099 C 02 60	324,15	30
056 RC 01 70	296,86	60	072 05	82,17	111	093 L 90 05	241,22	87	099 C 02 75	324,10	30
056 RC 02 35	305,72	60	073 00 04 85	179,80	146	093 L 90 07	268,20	87	099 C 52 10	324,10	30
056 RC 02 70	305,72	60	073 00 13 84	92,30	144	094 01 50	132,40	87	099 C 52 35	313,40	30
056 RC 52 35	305,72	60	073 00 18 84	92,30	144	094 02 50	136,40	87	099 C 52 50	313,40	30
056 RC 52 70	305,72	60	073 01 04 85	179,80	146	094 90 50	136,40	87	099 C 52 60	324,15	30
056 RC 90 35	305,72	60	073 01 13 84	101,58	144	094 L 01 03	296,89	87	099 C 52 75	324,15	30
056 RC 90 70	305,72	60	073 01 18 84	101,58	144	094 L 01 05	310,89	87	099 C 90 10	324,10	30
057 01 14	129,60	212	073 02 04 85	179,80	146	094 L 01 07	364,20	87	099 C 90 35	313,40	30
057 01 26 84	77,57	212	073 02 13 84	101,58	144	094 L 02 03	295,28	87	099 C 90 50	313,40	30
057 02 14	148,53	212	073 02 18 84	101,58	144	094 L 02 05	320,21	87	099 C 90 60	324,15	30
057 02 26 84	97,27	212	073 52 04 85	179,80	146	094 L 02 07	369,20	87	099 C 90 75	324,10	30
057 03 14	148,53	212	073 52 13 84	101,58	144	094 L 10 01 07	298,78	87	100		
057 03 26 84	97,27	212	073 52 18 84	101,58	144	094 L 10 02 07	308,10	87	101 02 01 10	99,50	90
057 05 14	148,53	212	073 90 04 85	179,80	146	094 L 10 90 07	317,34	87	101 02 01 35	82,50	90
057 05 26 84	97,27	212	073 90 13 84	101,58	144	094 L 90 03	295,29	87	101 02 01 50	82,50	90
057 52 14	148,53	212	073 90 18 84	101,58	144	094 L 90 05	320,21	87	101 02 01 60	90,50	90
057 52 26 84	97,27	212	074 00 07 85	219,85	146	094 L 90 07	369,20	87	101 02 01 75	99,50	90
057 57 14	148,53	212	074 00 13 84	126,30	144	096 01 10	159,37	30	101 02 02 10	180,60	90
057 57 26 84	97,27	212	074 00 18 84	126,30	144	096 01 35	152,38	30	101 02 02 35	151,30	90
057 90 14	148,53	212	074 00 26 84	126,33	144	096 01 50	152,38	30	101 02 02 50	151,30	90
057 90 26 84	97,27	212	074 01 07 85	222,80	146	096 01 60	162,82	30	101 02 02 60	180,60	90
061 B5 02 12	461,05	28	074 01 13 84	136,80	144	096 01 75	159,37	30	101 02 02 75	180,60	90
061 B5 52 12	461,05	28	074 01 18 84	137,80	144	096 02 10	165,75	30	101 02 03 10	274,20	91
061 B5 90 12	461,05	28	074 01 26 84	138,88	144	096 02 35	166,96	30	101 02 03 35	268,00	91
061 S 02 35 24	262,85	28	074 02 07 85	222,80	146	096 02 50	156,96	30	101 02 03 50	268,00	91
061 S 02 50 45	262,85	28	074 02 13 84	130,80	144	096 02 60	167,50	30	101 02 03 60	274,20	91
061 S 02 60 45	277,82	28	074 02 18 84	137,80	144	096 02 75	164,14	30	101 02 03 75	274,20	91
061 S 52 35 24	262,85	28	074 02 26 84	138,88	144	096 52 10	166,75	30	101 02 04 10	348,90	91
061 S 52 50 45	262,85	28	074 52 07 85	222,80	146	096 52 35	156,96	30	101 02 04 35	280,30	91
061 S 52 60 45	277,82	28	074 52 13 84	136,80	144	096 52 50	156,96	30	101 02 04 50	290,30	91
061 S 90 35 24	262,85	28	074 52 18 84	137,80	144	096 52 60	167,50	30	101 02 04 60	348,90	91

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
101 02 04 75	348,00	91	107 90 75CP	259,19	89	155 01 60	89,42	109	202 01	1,81	127
101 90 01 10	99,50	90	107 L 02 12	484,28	89	155 01 75	89,42	109	202 01 50	10,05	127
101 90 01 35	82,50	90	107 L 90 12	484,28	89	155 02 10	89,42	109	202 02	2,55	127
101 90 01 50	82,50	90	108 02 10CP	329,72	89	155 02 35	89,11	109	202 02 50	10,79	127
101 90 01 60	99,50	90	108 02 35CP	274,37	89	155 02 50	89,11	109	202 03	2,55	127
101 90 01 75	99,50	90	108 02 50CP	274,37	89	155 02 60	93,66	109	202 03 50	10,79	127
101 90 02 10	190,00	90	108 02 60CP	329,72	89	155 02 75	89,42	109	202 04	2,55	127
101 90 02 35	151,00	90	108 02 75CP	329,72	89	155 52 10	89,42	109	202 04 50	10,79	127
101 90 02 50	190,00	90	108 90 10CP	329,72	89	155 52 35	89,11	109	202 05	2,55	127
101 90 02 60	190,00	90	108 90 35CP	274,37	89	155 52 50	89,11	109	202 05 50	10,79	127
101 90 02 75	190,00	90	108 90 50CP	274,37	89	155 52 60	93,66	109	202 52	2,55	127
101 90 03 10	274,20	91	108 90 60CP	329,72	89	155 52 75	89,42	109	202 52 50	10,79	127
101 90 03 35	209,00	91	108 90 75CP	329,72	89	155 90 10	89,42	109	202 K 01 11	11,01	127
101 90 03 50	209,00	91	108 L 02 12	697,94	89	155 90 35	84,11	109	202 K 02 11	12,03	127
101 90 03 60	274,20	91	108 L 90 12	697,94	89	155 90 50	89,11	109	202 K 03 11	12,03	127
101 90 03 75	274,20	91	109 02 11	90,99	105	155 90 60	93,66	109	202 K 04 11	12,03	127
101 90 04 10	348,00	91	109 02 12 35 83	213,13	105	155 90 75	89,42	109	202 K 05 11	12,03	127
101 90 04 35	290,00	91	109 02 12 70 83	213,13	105	156 01 12	199,73	109	202 K 52 11	12,03	127
101 90 04 50	290,00	91	109 02 19	295,40	105	156 02 12	192,33	109	202 L 01 02	14,37	127
101 90 04 60	348,00	91	109 02 21	169,90	105	156 52 12	192,33	109	202 L 01 03	60,21	127
101 90 04 75	348,00	91	109 02 22 35 83	411,20	105	156 90 12	192,33	109	202 L 01 05	41,71	127
101 L 02 01 12	185,40	90	109 02 22 70 83	411,20	105	157 01 35	269,57	109	202 L 01 07	66,26	127
101 L 02 02 12	364,20	90	109 02 29	577,80	105	157 01 70	267,05	109	202 L 01 10 07	57,18	127
101 L 02 03 12	498,40	91	109 02 31	220,34	105	157 02 35	273,53	109	202 L 02 02	15,15	127
101 L 02 04 12	498,40	91	109 02 32 35 83	596,79	105	157 02 70	273,53	109	202 L 02 03	61,05	127
101 L 90 01 12	185,40	90	109 02 32 70 83	596,79	105	157 52 35	273,53	109	202 L 02 05	42,45	127
101 L 90 02 12	364,20	90	109 02 39	849,09	105	157 52 70	273,53	109	202 L 02 07	57,00	127
101 L 90 03 12	498,40	91	109 02 41	317,20	105	157 90 35	273,53	109	202 L 02 10 07	57,90	127
101 L 90 04 12	498,40	91	109 02 42 35 83	805,92	105	157 90 70	273,53	109	202 L 03 02	15,12	127
102 02 01 35	290,80	90	109 02 42 70 83	805,92	105	200			202 L 03 03	61,05	127
102 02 01 70	292,50	90	109 02 49	1.130,12	105	201 01	3,97	125	202 L 03 05	42,45	127
102 02 02 35	493,20	90	109 90 11	90,99	105	201 01 50	12,21	125	202 L 03 07	57,00	127
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102 90 01 70	292,50	90	109 90 29	577,80	105	201 05	5,97	125	202 L 05 02	15,12	127
102 90 02 35	493,20	90	109 90 31	220,34	105	201 05 50	14,27	125	202 L 05 03	61,05	127
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102 90 03 70	739,50	91	109 90 39	849,09	105	201 K 01 11	11,69	125	202 L 05 10 07	57,90	127
102 90 04 35	992,25	91	109 90 39	849,09	105	201 K 02 11	12,77	125	202 L 52 02	15,12	127
102 90 04 70	996,50	91	109 90 41	317,20	105	201 K 03 11	12,77	125	202 L 52 03	61,05	127
105 02 10CP	94,71	89	109 90 42 35 83	805,92	105	201 K 03 11	12,77	125	202 L 52 05	42,45	127
105 02 35CP	78,21	89	109 90 42 70 83	805,92	105	201 K 04 11	12,77	125	202 L 52 07	57,00	127
105 02 50CP	78,21	89	109 90 49	1.130,12	105	201 K 05 11	12,77	125	202 L 52 10 07	57,90	127
105 02 60CP	94,71	89	110 01	40,85	255	201 K 52 11	12,77	125	203 01	6,81	114
105 02 75CP	94,71	89	110 02	40,85	255	201 L 01 02	14,74	125	203 01 50	14,21	114
105 90 10CP	94,71	89	110 52	47,92	255	201 L 01 03	60,79	125	203 03	9,11	114
105 90 35CP	78,21	89	111 01	83,79	255	201 L 01 05	43,67	125	203 03 50	16,48	114
105 90 50CP	78,21	89	111 02	83,79	255	201 L 01 07	26,42	125	203 05	9,11	114
105 90 60CP	94,71	89	111 52	99,37	255	201 L 01 10 07	59,56	125	203 05 50	16,48	114
105 90 75CP	94,71	89	112 01	13,97	255	201 L 02 02	15,86	125	203 52	9,11	114
105 L 02 12	179,14	89	112 02	10,36	255	201 L 02 03	61,80	125	203 52 50	16,48	114
105 L 90 12	179,14	89	112 52	15,26	255	201 L 02 05	45,87	125	203 57	9,11	114
106 02 10CP	181,05	89	113 01	15,26	255	201 L 02 07	60,42	125	203 57 50	16,48	114
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106 02 50CP	143,01	89	113 52	16,78	255	201 L 03 02	15,86	125	203 L 01 05	46,51	114
106 02 60CP	181,05	89	114 01	15,26	255	201 L 03 03	61,80	125	203 L 01 07	61,05	114
106 02 75CP	181,05	89	114 02	16,78	255	201 L 03 05	45,87	125	203 L 03 03	67,81	114
106 90 10CP	181,05	89	114 52	16,78	255	201 L 03 07	90,42	125	203 L 03 05	49,01	114
106 90 35CP	143,01	89	115 01	7,82	255	201 L 03 10 07	60,56	125	203 L 03 07	63,56	114
106 90 50CP	143,01	89	115 02	8,81	255	201 L 04 02	15,86	125	203 L 05 03	67,81	114
106 90 60CP	181,05	89	115 52	8,81	255	201 L 04 03	61,80	125	203 L 05 05	46,01	114
106 90 75CP	181,05	89	116 01	12,71	255	201 L 04 05	45,87	125	203 L 05 07	63,96	114
106 L 02 12	364,00	89	116 02	13,97	255	201 L 04 07	60,42	125	203 L 52 03	67,81	114
106 L 90 12	334,00	89	116 52	13,97	255	201 L 04 10 07	90,56	125	203 L 52 05	49,01	114
107 02 10CP	259,19	89	117 01	40,06	255	201 L 05 02	15,86	125	203 L 52 07	63,56	114
107 02 35CP	190,00	89	117 02	40,06	255	201 L 05 03	61,80	125	203 L 57 03	67,81	114
107 02 50CP	190,00	89	119 01	1,39	255	201 L 05 05	45,87	125	203 L 57 05	49,01	114
107 02 60CP	259,19	89	119 02	1,39	255	201 L 05 07	90,42	125	203 L 57 07	63,96	114
107 02 75CP	259,19	89	119 52	1,39	255	201 L 05 10 07	60,56	125	204 01	7,72	113
107 90 10CP	259,19	89	120 01	9,57	255	201 L 52 02	15,86	125	204 01 50	14,83	113
107 90 35CP	195,00	89	120 02	9,57	255	201 L 52 03	61,80	125	204 03	9,60	113
107 90 50CP	190,00	89	155 01 10	89,42	109	201 L 52 05	45,87	125	204 03 50	17,00	113
107 90 60CP	259,19	89	155 01 35	82,64	109	201 L 52 07	60,42	125	204 05	9,93	113
			155 01 50	82,64	109	201 L 52 10 07	60,56	125			

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
204 05 50	17,09	113	208 L 02 05	107,37	77	216 L 08 05	55,01	131	228 L 00 08	64,44	117
204 52	3,93	113	208 L 02 07	121,24	77	216 L 09 02	25,36	131	229 00	12,08	117
204 52 50	17,09	113	208 L 03 03	118,87	77	216 L 09 03	71,30	131	229 00 50	19,05	117
204 57	3,93	113	208 L 03 05	107,37	77	216 L 09 05	52,70	131	229 K 00 11	21,36	117
204 57 50	17,09	113	208 L 03 07	121,24	77	216 L 10 02	25,36	131	229 L 00 02	23,29	117
204 L 01 03	65,32	113	208 L 05 03	118,87	77	216 L 10 03	71,30	131	229 L 00 03	69,42	117
204 L 01 05	47,62	113	208 L 05 05	107,37	77	216 L 10 05	52,70	131	229 L 00 05	52,23	117
204 L 01 07	62,17	113	208 L 05 07	121,24	77	216 L 11 02	25,36	131	229 L 00 07	60,61	117
204 L 03 03	67,87	113	208 L 52 03	118,87	77	216 L 11 03	71,30	131	229 L 00 08	65,63	117
204 L 03 05	49,83	113	208 L 52 05	107,37	77	216 L 11 05	52,70	131	230 01 50	27,19	135
204 L 03 07	64,38	113	208 L 52 07	121,24	77	216 L 12 02	25,36	131	230 05 50	33,66	135
204 L 05 03	67,87	113	208 L 90 03	118,87	77	216 L 12 03	71,30	131	230 52 50	33,66	135
204 L 05 05	49,83	113	208 L 90 05	107,37	77	216 L 12 05	52,70	131	230 90 50	33,66	135
204 L 05 07	64,38	113	208 L 90 07	121,24	77	217 06	18,82	129	230 L 01 02	32,65	135
204 L 52 03	67,87	113	209 00 03	93,57	147	217 06 50	26,70	129	230 L 01 03	68,28	135
204 L 52 05	49,83	113	209 00 25	52,44	147	217 07	30,40	129	230 L 01 05	67,00	135
204 L 52 07	64,38	113	209 00 40	52,44	147	217 07 50	27,51	129	230 L 01 07	61,64	135
204 L 57 03	67,87	113	210 00 07	96,80	147	217 08	30,40	129	230 L 01 10 07	75,43	135
204 L 57 05	49,83	113	210 00 25	55,56	147	217 08 50	27,51	129	230 L 02 02	39,11	135
204 L 57 07	64,38	113	210 00 40	55,56	147	217 09	23,83	129	230 L 02 03	65,05	135
207 01	4,38	126	215 06	17,70	126	217 09 50	30,94	129	230 L 02 05	75,96	135
207 01 50	12,62	126	215 06 50	24,81	126	217 11	23,83	129	230 L 02 07	91,11	135
207 02	6,41	126	215 07	19,67	126	217 11 50	30,94	129	230 L 02 10 07	61,64	135
207 02 50	14,65	126	215 07 50	26,98	126	217 L 06 02	31,39	129	230 L 52 02	39,11	135
207 03	6,41	126	215 08	19,67	126	217 L 06 03	77,33	129	230 L 52 03	65,05	135
207 03 50	14,65	126	215 08 50	26,98	126	217 L 06 05	56,72	129	230 L 52 05	75,96	135
207 04	6,41	126	215 09	24,34	126	217 L 06 07	76,10	129	230 L 52 07	91,11	135
207 04 50	14,65	126	215 09 50	31,45	126	217 L 06 10 07	74,18	129	230 L 52 10 07	61,64	135
207 05	6,41	126	215 10	24,34	126	217 L 07 02	32,97	129	230 L 90 02	39,11	135
207 05 50	14,65	126	215 10 50	31,45	126	217 L 07 03	78,90	129	230 L 90 03	65,05	135
207 52	6,41	126	215 11	24,34	126	217 L 07 05	60,30	129	230 L 90 05	75,96	135
207 52 50	14,65	126	215 11 50	31,45	126	217 L 07 07	78,20	129	230 L 90 07	91,11	135
207 K 01 11	13,88	126	215 L 06 02	30,27	126	217 L 07 10 07	61,40	129	230 L 90 10 07	61,64	135
207 K 02 11	15,89	126	215 L 06 03	69,10	126	217 L 08 02	32,97	129	231 01 50	44,94	79
207 K 03 11	19,09	126	215 L 06 05	57,80	126	217 L 08 03	76,90	129	231 02 50	51,21	79
207 K 04 11	15,89	126	215 L 06 07	75,90	126	217 L 08 05	60,30	129	231 03 50	61,21	79
207 K 05 11	15,89	126	215 L 07 02	32,44	126	217 L 08 07	76,20	129	231 04 50	51,21	79
207 K 52 11	15,89	126	215 L 07 03	71,27	126	217 L 08 10 07	61,40	129	231 05 50	61,21	79
207 L 01 02	16,95	126	215 L 07 05	69,77	126	217 L 09 02	36,40	129	231 52 50	61,21	79
207 L 01 03	65,69	126	215 L 07 07	77,87	126	217 L 09 03	62,33	129	231 90 50	51,21	79
207 L 01 05	44,28	126	215 L 08 02	32,44	126	217 L 09 05	63,73	129	231 L 01 03	60,34	79
207 L 01 07	50,84	126	215 L 08 03	71,27	126	217 L 09 07	61,23	129	231 L 01 05	69,54	79
207 L 01 10 07	59,74	126	215 L 08 05	69,77	126	217 L 09 10 07	64,63	129	231 L 02 03	102,71	79
207 L 02 02	18,96	126	215 L 08 07	77,87	126	217 L 11 02	36,40	129	231 L 02 05	95,91	79
207 L 02 03	64,92	126	215 L 09 02	36,91	126	217 L 11 03	62,33	129	231 L 03 03	102,71	79
207 L 02 05	46,02	126	215 L 09 03	75,74	126	217 L 11 05	63,73	129	231 L 03 05	95,91	79
207 L 02 07	52,68	126	215 L 09 05	64,24	126	217 L 11 07	61,23	129	231 L 04 03	102,71	79
207 L 02 10 07	61,70	126	215 L 09 07	82,34	126	217 L 11 10 07	64,63	129	231 L 04 05	95,91	79
207 L 03 02	18,96	126	215 L 10 02	30,91	126	218 00	37,90	119	231 L 05 03	102,71	79
207 L 03 03	64,92	126	215 L 10 03	75,74	126	218 00 50	45,01	119	231 L 05 05	95,91	79
207 L 03 05	46,02	126	215 L 10 05	64,24	126	218 K 00 11	47,36	119	231 L 52 03	102,71	79
207 L 03 07	52,68	126	215 L 10 07	82,34	126	219 L 00 02	46,44	119	231 L 52 05	95,91	79
207 L 03 10 07	61,76	126	215 L 11 02	36,91	126	219 L 00 03	96,40	119	231 L 90 03	102,71	79
207 L 04 02	18,96	126	215 L 11 03	75,74	126	219 L 00 05	77,80	119	231 L 90 05	95,91	79
207 L 04 03	64,92	126	215 L 11 05	64,24	126	219 L 00 07	62,33	119	232 01 50	67,30	79
207 L 04 05	46,02	126	215 L 11 07	82,34	126	219 L 00 10 07	90,96	119	232 02 50	60,30	79
207 L 04 07	52,68	126	216 06	10,16	131	220 00	36,67	119	232 03 50	60,30	79
207 L 04 10 07	61,70	126	216 06 50	17,26	131	220 00 50	44,08	119	232 04 50	60,30	79
207 L 05 02	18,96	126	216 07	11,11	131	220 K 00 11	46,45	119	232 05 50	60,30	79
207 L 05 03	64,92	126	216 07 50	18,22	131	220 L 00 02	50,47	119	232 52 50	60,30	79
207 L 05 05	46,02	126	216 08	11,11	131	220 L 00 03	95,46	119	232 90 50	60,30	79
207 L 05 07	52,68	126	216 08 50	18,22	131	220 L 00 05	76,87	119	232 L 01 03	170,30	79
207 L 05 10 07	61,76	126	216 09	12,80	131	220 L 00 07	91,42	119	232 L 01 05	166,70	79
207 L 52 02	18,96	126	216 09 50	19,90	131	220 L 00 10 07	69,60	119	232 L 02 03	169,72	79
207 L 52 03	64,92	126	216 10	12,80	131	227 00	13,92	116	232 L 02 05	176,13	79
207 L 52 05	46,02	126	216 10 50	19,90	131	227 00 50	20,89	116	232 L 03 03	169,72	79
207 L 52 07	52,68	126	216 11	12,80	131	227 K 00 11	23,21	116	232 L 03 05	176,13	79
207 L 52 10 07	61,76	126	216 11 50	19,90	131	227 L 00 02	25,23	116	232 L 04 03	169,72	79
208 01 50	58,11	77	216 12	12,80	131	227 L 00 03	71,25	116	232 L 04 05	176,13	79
208 02 50	67,47	77	216 12 50	19,90	131	227 L 00 05	54,11	116	232 L 05 03	169,72	79
208 03 50	67,47	77	216 L 06 02	22,72	131	227 L 00 07	68,67	116	232 L 05 05	176,13	79
208 05 50	67,47	77	216 L 06 03	66,65	131	228 00	11,01	117	232 L 52 03	169,72	79
208 52 50	67,47	77	216 L 06 05	30,06	131	228 00 50	17,98	117	232 L 52 05	176,13	79
208 90 50	67,47	77	216 L 07 02	23,67	131	228 K 00 11	20,28	117	232 L 90 03	169,72	79
208 L 01 03	110,90	77	216 L 07 03	69,61	131	228 L 00 02	30,38	117	232 L 90 05	176,13	79
208 L 01 05	96,01	77	216 L 07 05	51,01	131	228 L 00 03	68,35	117	233 01 50	104,91	79
208 L 01 07	113,10	77	216 L 08 02	23,67	131	228 L 00 05	51,54	117	233 02 50	122,71	79
208 L 02 03	118,87	77	216 L 08 03	69,61	131	228 L 00 07	65,44	117	233 03 50	122,71	79

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
233 04 50	122,71	79	284 L 04 07	82,69	120	286 03 50	14,12	122	287 L 04 05	45,17	123
233 05 50	122,71	79	284 L 04 10 07	83,21	120	286 04	6,20	122	287 L 04 07	58,43	123
233 52 50	122,71	79	284 L 05 02	20,42	120	286 04 50	14,12	122	287 L 04 10 07	59,31	123
233 90 50	122,71	79	284 L 05 03	66,36	120	286 05	6,20	122	287 L 05 02	18,53	123
233 L 01 03	208,10	79	284 L 05 05	48,14	120	286 05 50	14,12	122	287 L 05 03	62,46	123
233 L 01 05	208,71	79	284 L 05 07	82,69	120	286 52	6,20	122	287 L 05 05	43,86	123
233 L 02 03	208,90	79	284 L 05 10 07	83,21	120	286 52 50	14,12	122	287 L 05 07	58,43	123
233 L 02 05	208,51	79	284 L 52 02	20,42	120	286 K 01 11	14,18	122	287 L 05 10 07	59,31	123
233 L 03 03	208,90	79	284 L 52 03	66,36	120	286 K 02 11	15,35	122	287 L 52 02	18,53	123
233 L 03 05	208,51	79	284 L 52 05	48,14	120	286 K 03 11	15,35	122	287 L 52 03	62,46	123
233 L 04 03	208,90	79	284 L 52 07	82,69	120	286 K 04 11	15,35	122	287 L 52 05	43,86	123
233 L 04 05	208,51	79	284 L 52 10 07	83,21	120	286 K 05 11	15,35	122	287 L 52 07	58,43	123
233 L 05 03	208,90	79	284 L 90 02	20,42	120	286 K 52 11	15,35	122	287 L 52 10 07	59,31	123
233 L 05 05	208,51	79	284 L 90 03	66,36	120	286 L 01 02	17,27	122	288 91	14,93	133
233 L 52 03	208,90	79	284 L 90 05	48,14	120	286 L 01 03	63,21	122	288 91 50	22,04	133
233 L 52 05	208,51	79	284 L 90 07	82,69	120	286 L 01 05	44,60	122	288 92	14,93	133
233 L 90 03	208,90	79	284 L 90 10 07	83,21	120	286 L 01 07	58,15	122	288 92 50	22,04	133
233 L 90 05	208,51	79	285 01	6,91	121	286 L 01 10 07	60,06	122	288 93	14,93	133
243 01 50	130,54	79	285 01 50	14,63	121	286 L 02 02	18,44	122	288 93 50	22,04	133
243 02 50	130,54	79	285 02	8,37	121	286 L 02 03	64,38	122	288 94	14,93	133
243 03 50	130,54	79	285 02 50	16,21	121	286 L 02 05	45,78	122	288 94 50	22,04	133
243 04 50	130,54	79	285 45	8,37	121	286 L 02 07	60,33	122	288 95	14,93	133
243 05 50	130,54	79	285 45 50	16,21	121	286 L 02 10 07	61,23	122	288 95 50	22,04	133
243 52 50	130,54	79	285 52	8,37	121	286 L 03 02	18,44	122	288 96	14,93	133
243 90 50	130,54	79	285 52 50	16,21	121	286 L 03 03	64,38	122	288 96 50	22,04	133
243 L 01 03	208,36	79	285 60	8,37	121	286 L 03 05	45,78	122	288 K 91 11	24,41	133
243 L 01 05	208,99	79	285 60 50	16,21	121	286 L 03 07	60,33	122	288 K 92 11	24,41	133
243 L 02 03	208,73	79	285 70	8,37	121	286 L 03 10 07	61,23	122	288 K 93 11	24,41	133
243 L 02 05	208,33	79	285 70 50	16,21	121	286 L 04 02	18,44	122	288 K 94 11	24,41	133
243 L 03 03	208,73	79	285 90	8,37	121	286 L 04 03	64,38	122	288 K 95 11	24,41	133
243 L 03 05	208,33	79	285 90 50	16,21	121	286 L 04 05	45,78	122	288 K 96 11	24,41	133
243 L 04 03	208,73	79	285 K 01 11	16,06	121	286 L 04 07	60,33	122	288 L 91 02	27,29	133
243 L 04 05	208,33	79	285 K 02 11	17,33	121	286 L 04 10 07	61,23	122	288 L 91 03	73,43	133
243 L 05 03	208,73	79	285 K 45 11	17,33	121	286 L 05 02	18,44	122	288 L 91 05	54,83	133
243 L 05 05	208,33	79	285 K 52 11	17,33	121	286 L 05 03	64,38	122	288 L 91 07	68,38	133
243 L 52 03	208,73	79	285 K 60 11	17,33	121	286 L 05 05	45,78	122	288 L 91 10 07	70,28	133
243 L 52 05	208,33	79	285 K 70 11	17,33	121	286 L 05 07	60,33	122	288 L 92 02	27,29	133
243 L 90 03	208,73	79	285 K 90 11	17,33	121	286 L 05 10 07	61,23	122	288 L 92 03	73,43	133
243 L 90 05	208,33	79	285 L 01 02	18,16	121	286 L 52 02	18,44	122	288 L 92 05	54,83	133
284 01	6,79	120	285 L 01 03	65,09	121	286 L 52 03	64,38	122	288 L 92 07	69,38	133
284 01 50	14,71	120	285 L 01 05	46,81	121	286 L 52 05	45,78	122	288 L 92 10 07	70,28	133
284 02	8,24	120	285 L 01 07	61,36	121	286 L 52 07	60,33	122	288 L 93 02	27,29	133
284 02 50	16,09	120	285 L 01 10 07	61,94	121	286 L 52 10 07	61,23	122	288 L 93 03	73,43	133
284 03	8,24	120	285 L 02 02	20,53	121	287 01	3,09	123	288 L 93 05	54,83	133
284 03 50	16,09	120	285 L 02 03	66,47	121	287 01 50	11,40	123	288 L 93 07	69,38	133
284 04	8,24	120	285 L 02 05	48,27	121	287 02	3,96	123	288 L 93 10 07	70,28	133
284 04 50	16,09	120	285 L 02 07	62,82	121	287 02 50	12,20	123	288 L 94 02	27,29	133
284 05	8,24	120	285 L 02 10 07	63,32	121	287 03	3,96	123	288 L 94 03	73,43	133
284 05 50	16,09	120	285 L 03 10 07	63,32	121	287 03 50	12,20	123	288 L 94 05	54,83	133
284 52	8,24	120	285 L 04 10 07	63,32	121	287 04	3,96	123	288 L 94 07	69,38	133
284 52 50	16,09	120	285 L 05 10 07	63,32	121	287 04 50	12,20	123	288 L 94 10 07	70,28	133
284 90	8,24	120	285 L 45 02	20,53	121	287 05	3,96	123	288 L 95 02	27,29	133
284 90 50	16,09	120	285 L 45 03	66,47	121	287 05 50	12,20	123	288 L 95 03	73,43	133
284 K 01 11	15,95	120	285 L 45 05	48,27	121	287 52	3,96	123	288 L 95 05	54,83	133
284 K 02 11	17,33	120	285 L 45 07	62,82	121	287 52 50	12,20	123	288 L 95 07	69,38	133
284 K 03 11	17,33	120	285 L 52 02	20,53	121	287 K 01 11	12,63	123	288 L 95 10 07	70,28	133
284 K 04 11	17,33	120	285 L 52 03	66,47	121	287 K 02 11	13,44	123	288 L 96 02	27,29	133
284 K 05 11	17,33	120	285 L 52 05	48,27	121	287 K 03 11	13,44	123	288 L 96 03	73,43	133
284 K 52 11	17,33	120	285 L 52 07	62,82	121	287 K 04 11	13,44	123	288 L 96 05	54,83	133
284 K 90 11	17,33	120	285 L 52 10 07	63,32	121	287 K 05 11	13,44	123	288 L 96 07	69,38	133
284 L 01 02	19,04	120	285 L 60 02	20,53	121	287 K 52 11	13,44	123	288 L 96 10 07	70,28	133
284 L 01 03	64,98	120	285 L 60 03	66,47	121	287 L 01 02	15,72	123	289 01 50	51,39	100
284 L 01 05	48,69	120	285 L 60 05	48,27	121	287 L 01 03	61,68	123	289 02 50	52,83	100
284 L 01 07	61,24	120	285 L 60 07	82,82	121	287 L 01 05	42,90	123	289 90 50	52,83	100
284 L 01 10 07	61,83	120	285 L 70 02	20,53	121	287 L 01 07	57,45	123	289 L 01 03	102,79	100
284 L 02 02	20,42	120	285 L 70 03	66,47	121	287 L 01 10 07	58,51	123	289 L 01 05	95,62	100
284 L 02 03	66,36	120	285 L 70 05	48,27	121	287 L 02 02	16,53	123	289 L 01 07	95,27	100
284 L 02 05	48,14	120	285 L 70 07	62,82	121	287 L 02 03	62,46	123	289 L 02 03	105,87	100
284 L 02 07	62,69	120	285 L 90 02	20,53	121	287 L 02 05	43,86	123	289 L 02 05	98,51	100
284 L 02 10 07	63,21	120	285 L 90 03	66,47	121	287 L 02 07	58,43	123	289 L 02 07	102,13	100
284 L 03 02	20,42	120	285 L 90 05	48,27	121	287 L 02 10 07	59,31	123	289 L 90 03	105,87	100
284 L 03 03	66,36	120	285 L 90 07	82,82	121	287 L 03 02	16,53	123	289 L 90 05	98,51	100
284 L 03 05	48,14	120	285 L 90 10 07	63,32	121	287 L 03 03	62,46	123	289 L 90 07	112,13	100
284 L 03 07	62,69	120	286 01	4,70	122	287 L 03 05	43,86	123	290 01 50	42,20	100
284 L 03 10 07	63,21	120	286 01 50	12,94	122	287 L 03 07	58,43	123	290 02 50	43,46	100
284 L 04 02	20,42	120	286 02	6,20	122	287 L 03 10 07	59,31	123	290 90 50	43,46	100
284 L 04 03	66,36	120	286 02 50	14,12	122	287 L 04 02	16,53	123	290 L 01 03	93,60	100
284 L 04 05	48,14	120	286 03	6,20	122	287 L 04 03	62,46	123	290 L 01 05	86,80	100

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
290 L 01 07	90,45	109	298 L 02 07	57,95	124	304 90 75	8,90	142	402 L 02 15	188,92	214
290 L 02 03	96,40	109	298 L 02 10 07	59,76	124	305 01	4,34	142	402 L 03 05	88,49	214
290 L 02 05	88,40	109	298 L 03 02	15,86	124	305 01 10	2,93	142	402 L 03 09	98,03	214
290 L 02 07	93,05	109	298 L 03 03	61,80	124	305 03	7,19	142	402 L 03 15	188,92	214
290 L 90 03	96,40	109	298 L 03 05	43,40	124	305 03 10	10,18	142	402 L 05 05	88,49	214
290 L 90 05	89,40	109	298 L 03 07	57,95	124	305 05	7,19	142	402 L 05 09	98,03	214
290 L 90 07	93,05	109	298 L 03 10 07	59,76	124	305 05 10	10,18	142	402 L 05 15	188,92	214
291 01	24,03	115	298 L 04 02	15,86	124	305 52	7,19	142	402 L 52 05	88,49	214
291 01 50	29,97	115	298 L 04 03	61,80	124	305 52 10	10,18	142	402 L 52 09	98,03	214
291 02	27,97	115	298 L 04 05	43,40	124	305 90	7,19	142	402 L 52 15	188,92	214
291 02 50	33,24	115	298 L 04 07	57,95	124	305 90 10	10,18	142	402 L 90 05	88,49	214
291 56	27,97	115	298 L 04 10 07	59,76	124	306 01	13,20	141	402 L 90 09	98,03	214
291 56 50	33,24	115	298 L 05 02	15,86	124	306 01 05	72,53	141	402 L 90 15	188,92	214
291 L 01 03	81,37	115	298 L 05 03	61,80	124	306 03	18,00	141	403 01	17,21	215
291 L 01 05	63,83	115	298 L 05 05	43,40	124	306 03 05	77,33	141	403 01 09 84	26,19	215
291 L 01 07	78,48	115	298 L 05 07	57,95	124	306 05	18,00	141	403 01 13 84	26,19	215
291 L 02 03	84,64	115	298 L 05 10 07	59,76	124	306 05 05	77,33	141	403 01 18 84	26,20	215
291 L 02 05	67,57	115	298 L 52 02	15,86	124	306 52	18,00	141	403 02	10,36	215
291 L 02 07	82,12	115	298 L 52 03	61,80	124	306 52 05	77,33	141	403 02 09 84	29,27	215
291 L 56 03	84,64	115	298 L 52 05	43,40	124	306 90	18,00	141	403 02 13 84	29,28	215
291 L 56 05	67,57	115	298 L 52 07	57,95	124	306 90 05	77,33	141	403 02 18 84	29,29	215
291 L 56 07	82,12	115	298 L 52 10 07	59,76	124	351 01	39,81	204	403 03	19,36	215
292 01 07	160,97	274	299 01 25	32,90	136	351 01 05	95,67	204	403 03 09 84	29,27	215
292 01 50	98,22	274	299 01 40	32,96	136	351 01 60	42,60	204	403 03 13 84	29,28	215
292 02 07	167,70	274	299 01 60	32,90	136	351 02	41,14	204	403 03 18 84	29,29	215
292 02 50	104,08	274	299 01 75	32,96	136	351 02 05	98,31	204	403 04	10,36	215
292 90 07	167,70	274	299 05 25	37,28	136	351 02 60	44,23	204	403 05	19,36	215
292 90 50	104,08	274	299 05 40	37,28	136	351 03	41,14	204	403 05 09 84	29,27	215
292 L 01 02	103,87	274	299 05 60	37,28	136	351 03 05	98,31	204	403 05 13 84	29,28	215
292 L 01 03	149,61	274	299 05 75	37,28	136	351 03 60	44,23	204	403 05 18 84	29,29	215
292 L 01 04	137,06	274	299 52 25	37,28	136	351 04	41,14	204	403 52	19,36	215
292 L 01 05	142,81	274	299 52 40	37,28	136	351 04 05	98,31	204	403 52 09 84	29,27	215
292 L 02 02	110,35	274	299 52 60	37,28	136	351 04 60	44,23	204	403 52 13 84	29,28	215
292 L 02 03	155,98	274	299 52 75	37,28	136	351 05	41,14	204	403 52 18 84	29,29	215
292 L 02 04	144,24	274	299 90 25	37,28	136	351 05 05	98,31	204	403 90	19,36	215
292 L 02 05	148,49	274	299 90 40	37,28	136	351 05 60	44,23	204	403 90 09 84	29,27	215
292 L 90 02	110,35	274	299 90 60	37,28	136	400			403 90 13 84	29,28	215
292 L 90 03	155,98	274	299 90 75	37,28	136	401 01	18,03	213	403 90 18 84	29,29	215
292 L 90 04	144,24	274	300			401 02	19,77	213	403 L 01 05	75,01	215
292 L 90 05	149,49	274	301 01	8,56	140	401 03	19,77	213	403 L 01 06	75,10	215
296 01 07	99,00	76	301 01 45	62,06	140	401 05	19,77	213	403 L 01 09	80,13	215
296 01 50	29,97	76	301 03	12,66	140	401 52	19,77	213	403 L 02 05	77,16	215
296 02 07	137,10	76	301 03 45	64,06	140	401 90	19,77	213	403 L 02 06	78,18	215
296 02 50	35,12	76	301 05	12,66	140	401 L 01 09	81,95	213	403 L 02 09	85,28	215
296 03 07	137,10	76	301 05 45	64,06	140	401 L 02 09	65,69	213	403 L 03 05	77,16	215
296 03 50	35,12	76	301 52	12,66	140	401 L 03 09	65,69	213	403 L 03 06	78,18	215
296 05 07	137,10	76	301 52 45	64,06	140	401 L 05 09	65,69	213	403 L 03 09	85,38	215
296 05 50	35,12	76	301 90	12,66	140	401 L 52 09	65,69	213	403 L 04 05	77,16	215
296 52 07	137,10	76	301 90 45	64,06	140	401 L 90 09	65,69	213	403 L 04 06	78,18	215
296 52 50	35,12	76	302 01	4,26	140	402 01	24,08	214	403 L 04 09	85,28	215
296 90 07	137,10	76	302 01 45	60,82	140	402 01 09 84	34,22	214	403 L 05 05	77,16	215
296 90 50	35,12	76	302 03	5,23	140	402 01 13 84	34,23	214	403 L 05 06	78,18	215
298 01	2,30	124	302 03 45	51,70	140	402 01 18 84	34,24	214	403 L 05 09	85,28	215
298 01 50	10,42	124	302 05	5,23	140	402 02	30,69	214	403 L 52 05	77,16	215
298 02	3,50	124	302 05 45	51,70	140	402 02 09 84	40,38	214	403 L 52 06	78,18	215
298 02 50	11,53	124	302 52	5,23	140	402 02 13 84	40,36	214	403 L 52 09	85,28	215
298 03	3,50	124	302 52 45	51,70	140	402 02 18 84	40,37	214	403 L 90 05	77,16	215
298 03 50	11,53	124	302 90	5,23	140	402 03	30,69	214	403 L 90 06	78,18	215
298 04	3,50	124	302 90 45	51,70	140	402 03 09 84	40,36	214	403 L 90 09	85,28	215
298 04 50	11,53	124	303 01	4,82	141	402 03 13 84	40,36	214	404 01 13 84	77,79	196
298 05	3,50	124	303 01 06	64,14	141	402 03 18 84	40,37	214	404 01 14 84	82,79	196
298 05 50	11,53	124	303 03	6,28	141	402 05	30,69	214	404 01 17 84	82,80	196
298 52	3,50	124	303 03 06	65,71	141	402 05 09 84	40,38	214	404 01 18 84	77,77	196
298 52 50	11,53	124	303 05	8,28	141	402 05 13 84	40,36	214	404 01 26 84	77,79	196
298 K 01 11	11,65	124	303 05 06	65,71	141	402 05 18 84	40,37	214	404 01 32 84	83,94	196
298 K 02 11	12,77	124	303 52	8,28	141	402 52	30,69	214	404 01 42 84	83,95	196
298 K 03 11	12,77	124	303 52 06	65,71	141	402 52 09 84	40,36	214	404 01 144	129,70	196
298 K 04 11	12,77	124	303 90	8,28	141	402 52 13 84	40,36	214	404 02 13 84	80,67	196
298 K 05 11	12,77	124	303 90 06	65,71	141	402 52 18 84	40,37	214	404 02 14 84	85,88	196
298 K 52 11	12,77	124	304 01	4,90	142	402 90	30,69	214	404 02 17 84	85,89	196
298 L 01 02	14,74	124	304 01 75	7,08	142	402 90 09 84	40,38	214	404 02 18 84	80,89	196
298 L 01 03	60,79	124	304 03	6,74	142	402 90 13 84	40,36	214	404 02 26 84	80,90	196
298 L 01 05	42,20	124	304 03 75	8,90	142	402 90 18 84	40,37	214	404 02 32 84	87,03	196
298 L 01 07	56,75	124	304 05	6,74	142	402 L 01 05	81,88	214	404 02 42 84	87,04	196
298 L 01 10 07	58,98	124	304 05 75	8,90	142	402 L 01 09	86,75	214	404 02 144	132,90	196
298 L 02 02	15,86	124	304 52	6,74	142	402 L 01 15	162,30	214	404 52 13 84	80,67	196
298 L 02 03	61,80	124	304 52 75	8,90	142	402 L 02 05	88,49	214	404 52 14 84	85,88	196
298 L 02 05	43,40	124	304 90	6,74	142	402 L 02 09	98,03	214	404 52 17 84	85,89	196

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
404 52 18 84	80,88	188	421 05 09 84	38,19	188	439 05 32 84	145,90	200	443 90 09 84	48,00	194
404 52 26 84	80,90	188	421 52 09 84	38,19	188	439 05 42 84	140,00	200	443 90 13 84	40,06	184
404 52 32 84	87,03	188	421 90 09 84	38,18	188	439 52 09 84	96,77	200	443 90 13 84	48,04	194
404 52 42 84	87,04	188	422 01 13 84	32,19	188	439 52 13 84	96,79	200	443 90 14 84	88,96	184
404 52 144	132,90	188	422 05 13 84	38,20	188	439 52 14	148,80	201	443 90 17 84	88,98	184
405 01 13 84	88,42	188	422 52 13 84	38,20	188	439 52 18 84	96,82	200	443 90 18 84	46,06	184
405 01 14 84	90,96	188	422 90 13 84	38,20	188	439 52 26 84	96,84	200	443 90 26 84	40,08	184
405 01 17 84	92,97	188	423 01 18 84	32,20	188	439 52 32 84	145,99	200	443 90 27	32,60	188
405 01 18 84	88,43	188	423 05 18 84	38,21	188	439 52 42 84	140,00	200	443 90 32 84	90,09	194
405 01 26 84	88,44	188	423 52 18 84	38,21	188	439 90 09 84	96,77	200	443 90 42 84	90,11	184
405 01 32 84	98,27	188	423 90 18 84	38,21	188	439 90 13 84	96,79	200	444 01 09 84	40,16	184
405 01 42 84	90,28	188	424 01 26 84	32,20	188	439 90 14	148,80	201	444 01 13 84	40,18	184
405 01 144	192,00	188	424 05 26 84	38,22	188	439 90 18 84	96,82	200	444 01 14 84	100,28	184
405 02 13 84	91,56	188	424 52 26 84	38,22	188	439 90 26 84	96,84	200	444 01 17 84	100,28	184
405 02 14 84	95,89	188	424 90 26 84	38,22	188	439 90 32 84	145,98	200	444 01 18 84	40,20	184
405 02 17 84	95,90	188	425 01 09 84	37,59	188	439 90 42 84	140,00	200	444 01 26 84	40,22	184
405 02 18 84	91,57	188	425 05 09 84	44,49	188	440 01 09 84	85,53	200	444 01 27	31,24	188
405 02 26 84	91,58	188	425 52 09 84	44,49	188	440 01 13 84	85,54	200	444 01 32 84	102,56	184
405 02 32 84	98,38	188	425 90 09 84	44,49	188	440 01 14	189,50	201	444 01 42 84	102,58	184
405 02 42 84	98,39	188	426 01 13 84	37,60	188	440 01 18 84	85,55	200	444 05 09 84	52,46	184
405 02 144	195,58	188	426 05 13 84	44,50	188	440 01 26 84	85,56	200	444 05 13 84	52,48	184
405 52 13 84	91,56	188	426 52 13 84	44,50	188	440 01 32 84	148,80	200	444 05 14 84	107,18	184
405 52 14 84	95,89	188	426 90 13 84	44,50	188	440 01 42 84	148,84	200	444 05 17 84	107,20	184
405 52 17 84	95,90	188	427 01 18 84	37,61	188	440 05 09 84	103,10	200	444 05 18 84	52,50	184
405 52 18 84	91,57	188	427 05 18 84	44,51	188	440 05 13 84	103,12	200	444 05 26 84	52,53	184
405 52 26 84	91,58	188	427 52 18 84	44,51	188	440 05 14	207,15	201	444 05 27	37,25	188
405 52 32 84	98,38	188	427 90 18 84	44,51	188	440 05 18 84	103,14	200	444 05 32 84	109,48	184
405 52 42 84	98,39	188	428 01 26 84	37,62	188	440 05 26 84	103,16	200	444 05 42 84	109,50	184
405 52 144	195,58	188	428 01 31 88	221,42	190	440 05 32 84	166,09	200	444 52 09 84	52,46	184
410 01 14 84	79,36	190	428 02 31 88	225,83	190	440 05 42 84	166,10	200	444 52 13 84	52,48	184
410 01 17 84	79,48	190	428 05 26 84	44,52	188	440 52 09 84	103,10	200	444 52 14 84	107,18	184
410 01 18 84	39,24	190	428 05 31 88	225,83	190	440 52 13 84	103,12	200	444 52 17 84	107,20	184
410 01 26 84	39,28	190	428 52 26 84	44,52	188	440 52 14	207,15	201	444 52 18 84	52,50	184
410 01 32 84	90,44	190	428 52 31 88	225,83	190	440 52 18 84	103,14	200	444 52 26 84	52,53	184
410 01 42 84	80,46	190	428 90 26 84	44,52	188	440 52 26 84	103,16	200	444 52 27	37,22	188
410 05 14 84	82,19	190	428 90 31 88	225,83	190	440 52 32 84	166,09	200	444 52 32 84	109,48	184
410 05 17 84	82,29	190	431 01 84	57,89	174	440 52 42 84	166,10	200	444 52 42 84	109,50	184
410 05 18 84	45,75	190	431 52 84	81,18	174	440 90 09 84	103,11	200	444 90 09 84	52,46	184
410 05 26 84	45,77	190	431 90 84	81,18	174	440 90 13 84	103,13	200	444 90 13 84	52,48	184
410 05 32 84	83,29	190	432 01 84	57,89	174	440 90 14	207,15	201	444 90 14 84	107,18	184
410 05 42 84	83,30	190	432 52 84	81,18	174	440 90 18 84	103,15	200	444 90 17 84	107,20	184
410 52 14 84	82,19	190	432 90 84	81,18	174	440 90 26 84	103,17	200	444 90 18 84	52,50	184
410 52 17 84	82,29	190	433 01 84	57,89	174	440 90 32 84	166,09	200	444 90 26 84	52,53	184
410 52 18 84	45,75	190	433 52 84	81,18	174	440 90 42 84	161,11	200	444 90 27	37,22	188
410 52 26 84	45,77	190	433 90 84	81,18	174	441 01 18 84	144,87	193	444 90 32 84	109,48	184
410 52 32 84	83,29	190	434 01 14	110,15	174	441 02 18 84	149,37	193	444 90 42 84	109,50	184
410 52 42 84	83,30	190	434 01 84	57,89	174	441 56 18 84	149,37	193	445 01 18 84	194,27	193
410 90 14 84	82,19	190	434 52 14	133,44	174	441 90 18 84	149,37	193	445 02 18 84	196,23	193
410 90 17 84	82,29	190	434 52 84	81,18	174	442 01 26 84	144,88	193	445 56 18 84	196,23	193
410 90 18 84	45,75	190	434 90 14	133,44	174	442 02 26 84	149,38	193	445 90 18 84	196,23	193
410 90 26 84	45,77	190	434 90 84	81,18	174	442 56 26 84	149,38	193	446 01 26 84	194,28	193
410 90 32 84	83,29	190	435 01 84	64,35	174	442 90 26 84	149,38	193	446 02 26 84	196,24	193
410 90 42 84	83,30	190	435 52 84	87,21	174	443 01 09 84	40,04	184	446 56 26 84	196,24	193
411 01 14 84	98,26	190	435 90 84	87,21	174	443 01 14 84	82,02	184	446 90 26 84	196,24	193
411 01 17 84	98,36	190	436 01 84	64,36	174	443 01 17 84	82,04	184	455 01 09 84	96,50	196
411 01 18 84	43,69	190	436 52 84	87,21	174	443 01 18 84	40,08	184	455 01 13 84	36,51	196
411 01 26 84	43,70	190	436 90 84	87,21	174	443 01 26 84	40,10	184	455 01 14	88,82	197
411 01 32 84	99,45	190	437 01 84	64,36	174	443 01 27	26,65	195	455 01 14 84	82,40	196
411 01 42 84	99,46	190	437 52 84	87,21	174	443 01 32 84	84,07	184	455 01 17 84	82,41	196
411 05 14 84	103,07	190	437 90 84	87,21	174	443 01 42 84	84,09	184	455 01 18 84	36,52	196
411 05 17 84	102,17	190	438 01 14	188,80	174	443 05 09 84	46,02	184	455 01 26 84	36,52	196
411 05 18 84	47,09	190	438 01 84	64,35	174	443 05 13 84	46,04	184	455 01 32 84	83,03	196
411 05 26 84	47,10	190	438 52 14	181,73	174	443 05 14 84	88,96	184	455 01 42 84	93,04	196
411 05 32 84	103,20	190	438 52 84	87,21	174	443 05 17 84	88,96	184	455 02 14	99,69	197
411 05 42 84	103,21	190	438 90 14	181,73	174	443 05 18 84	46,06	184	455 05 09 84	47,88	196
411 52 14 84	103,07	190	438 90 84	87,21	174	443 05 26 84	46,08	184	455 05 13 84	47,84	196
411 52 17 84	102,17	190	439 01 09 84	87,77	200	443 05 27	32,63	188	455 05 14 84	98,88	196
411 52 18 84	47,09	190	439 01 13 84	87,79	200	443 05 32 84	90,09	184	455 05 17 84	98,87	196
411 52 26 84	47,10	190	439 01 14	134,70	201	443 05 42 84	90,11	184	455 05 18 84	47,88	196
411 52 32 84	103,20	190	439 01 18 84	82,81	200	443 52 09 84	46,02	184	455 05 26 84	47,89	196
411 52 42 84	103,21	190	439 01 26 84	82,83	200	443 52 13 84	46,04	184	455 05 32 84	98,90	196
411 90 14 84	103,07	190	439 01 32 84	129,91	200	443 52 14 84	88,96	184	455 05 42 84	98,91	196
411 90 17 84	102,17	190	439 01 42 84	129,93	200	443 52 17 84	88,98	184	455 52 09 84	47,88	196
411 90 18 84	47,09	190	439 05 09 84	96,77	200	443 52 18 84	46,06	184	455 52 13 84	47,84	196
411 90 26 84	47,10	190	439 05 13 84	96,79	200	443 52 26 84	46,08	184	455 52 14	98,89	197
411 90 32 84	103,20	190	439 05 14	148,80	201	443 52 27	32,63	188	455 52 14 84	98,89	196
411 90 42 84	103,21	190	439 05 18 84	96,82	200	443 52 32 84	90,09	184	455 52 17 84	98,87	196
421 01 09 84	38,18	188	439 05 26 84	96,84	200	443 52 42 84	90,11	184	455 52 18 84	47,88	196

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455 52 26 84	47,00	190	465 06 09 84	76,71	208	470 90 14 84	154,21	401	484 56 14	403,80	185
455 52 32 84	96,90	190	465 07 09 84	76,20	208	470 90 17 84	154,23	401	484 56 26 84	222,23	185
455 52 42 84	96,91	190	465 08 09 84	76,20	208	470 90 18 84	93,52	401	485 01 84	73,27	208
455 90 09 84	47,00	190	465 09 09 84	76,20	208	470 90 26 84	93,54	401	485 05 84	79,82	208
455 90 13 84	47,84	190	465 10 09 84	76,20	208	470 90 31 86	285,51	157	485 52 84	79,82	208
455 90 14	99,69	197	465 11 09 84	76,20	208	470 90 144	198,10	401	485 90 84	79,82	208
455 90 14 84	96,99	190	466 06 13 84	76,72	208	471 01 09 84	76,26	194	486 01 84	73,48	208
455 90 17 84	96,87	196	466 07 13 84	76,21	208	471 03 09 84	66,72	194	486 05 84	79,92	208
455 90 18 84	47,68	190	466 08 13 84	76,21	208	471 05 09 84	66,72	194	486 52 84	79,92	208
455 90 26 84	47,69	190	466 09 13 84	76,21	208	471 52 09 84	66,72	194	486 90 84	79,92	208
455 90 32 84	96,90	190	466 10 13 84	76,21	208	471 90 09 84	66,72	194	487 01 84	73,30	208
455 90 42 84	96,91	190	466 11 13 84	76,21	208	472 01 13 84	76,27	194	487 05 84	79,94	208
456 01 09 84	41,54	190	467 06 18 84	76,73	208	472 03 13 84	66,73	194	487 52 84	79,94	208
456 01 13 84	41,55	190	467 07 18 84	76,22	208	472 05 13 84	66,73	194	487 90 84	79,94	208
456 01 14	106,90	197	467 08 18 84	76,22	208	472 52 13 84	66,73	194	488 01 27	89,88	208
456 01 14 84	100,44	196	467 09 18 84	76,22	208	472 90 13 84	66,73	194	488 01 84	73,52	208
456 01 17 84	100,45	190	467 10 18 84	76,22	208	473 01 18 84	76,28	194	488 05 27	66,43	208
456 01 18 84	41,56	190	467 11 18 84	76,22	208	473 03 18 84	66,74	194	488 05 84	79,96	208
456 01 26 84	41,57	190	468 06 14	183,74	208	473 05 18 84	66,74	194	488 52 27	66,43	208
456 01 32 84	102,75	190	468 06 26 84	76,74	208	473 52 18 84	66,74	194	488 52 84	79,96	208
456 01 42 84	102,76	190	468 07 14	182,23	208	473 90 18 84	66,74	194	488 90 27	66,43	208
456 02 14	166,20	197	468 07 26 84	76,23	208	474 01 14	128,26	194	488 90 84	79,96	208
456 05 09 84	51,92	190	468 08 14	182,23	208	474 01 26 84	76,29	194	489 01 84	80,93	208
456 05 13 84	51,93	196	468 08 26 84	76,23	208	474 03 14	138,75	194	489 05 84	87,32	208
456 05 14 84	114,20	190	468 09 14	182,23	208	474 03 26 84	66,75	194	489 52 84	87,32	208
456 05 17 84	114,21	190	468 09 26 84	76,23	208	474 05 14	138,75	194	489 90 84	87,32	208
456 05 18 84	51,94	190	468 10 14	182,23	208	474 05 26 84	66,75	194	490 01 84	80,96	208
456 05 26 84	51,95	190	468 10 26 84	76,23	208	474 52 14	138,75	194	490 05 84	87,34	208
456 05 32 84	116,51	190	468 11 14	182,23	208	474 52 26 84	66,75	194	490 52 84	87,34	208
456 05 42 84	116,52	190	468 11 26 84	76,23	208	474 90 14	138,75	194	490 90 84	87,34	208
456 52 09 84	51,92	190	469 01 09 84	77,69	400	474 90 26 84	66,75	194	491 01 84	80,97	208
456 52 13 84	51,93	196	469 01 13 84	77,69	400	475 01 09 84	90,00	194	491 05 84	87,36	208
456 52 14	166,20	197	469 01 14 84	123,49	400	475 03 09 84	99,62	194	491 52 84	87,36	208
456 52 14 84	114,20	190	469 01 17 84	123,51	400	475 05 09 84	99,62	194	491 90 84	87,36	208
456 52 17 84	114,21	190	469 01 18 84	77,70	400	475 52 09 84	99,62	194	492 01 27	67,54	208
456 52 18 84	51,94	190	469 01 26 84	77,72	400	475 90 09 84	99,62	194	492 01 84	80,99	208
456 52 26 84	51,95	190	469 01 32 84	110,76	400	476 01 13 84	90,01	194	492 05 27	73,30	208
456 52 32 84	116,51	190	469 01 42 84	114,12	400	476 03 13 84	99,63	194	492 05 84	87,17	208
456 52 42 84	116,52	190	469 01 144	130,02	400	476 05 13 84	99,63	194	492 52 27	73,30	208
456 90 09 84	51,92	190	469 52 09 84	80,95	400	476 52 13 84	99,63	194	492 52 84	87,17	208
456 90 13 84	51,93	190	469 52 13 84	80,97	400	476 90 13 84	99,63	194	492 90 27	73,30	208
456 90 14	166,20	197	469 52 14 84	134,95	400	477 01 18 84	90,02	194	492 90 84	87,17	208
456 90 14 84	114,20	190	469 52 17 84	134,97	400	477 03 18 84	99,64	194	494 01 09 84	32,89	182
456 90 17 84	114,21	190	469 52 18 84	86,99	400	477 05 18 84	99,64	194	494 01 13 84	32,91	182
456 90 18 84	51,94	190	469 52 26 84	87,01	400	477 52 18 84	99,64	194	494 01 18 84	32,93	182
456 90 26 84	51,95	190	469 52 32 84	120,05	400	477 90 18 84	99,64	194	494 01 26 84	32,95	182
456 90 32 84	116,51	190	469 52 42 84	120,07	400	478 01 14	194,03	194	494 02 09 84	38,81	182
456 90 42 84	116,52	190	469 52 144	139,30	400	478 01 26 84	90,03	194	494 02 13 84	38,83	182
461 06 09 84	67,27	208	469 90 09 84	80,95	400	478 03 14	203,65	194	494 02 18 84	38,85	182
461 07 09 84	66,77	208	469 90 13 84	80,97	400	478 03 26 84	99,65	194	494 02 26 84	38,87	182
461 08 09 84	66,77	208	469 90 14 84	134,95	400	478 05 14	203,65	194	494 03 09 84	38,81	182
461 09 09 84	66,77	208	469 90 17 84	134,97	400	478 05 26 84	99,65	194	494 03 13 84	38,83	182
461 10 09 84	66,77	208	469 90 18 84	86,99	400	478 52 14	203,65	194	494 03 18 84	38,85	182
461 11 09 84	66,77	208	469 90 26 84	87,01	400	478 52 26 84	99,65	194	494 03 26 84	38,87	182
462 06 13 84	67,28	208	469 90 32 84	120,05	400	478 90 14	203,65	194	494 05 09 84	38,81	182
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462 08 13 84	66,78	208	469 90 144	139,30	400	479 01 13 84	164,35	190	494 05 18 84	38,85	182
462 09 13 84	66,78	208	470 01 09 84	84,17	401	479 02 13 84	168,85	190	494 05 26 84	38,87	182
462 10 13 84	66,78	208	470 01 13 84	84,19	401	479 58 13 84	168,85	190	494 52 09 84	38,81	182
462 11 13 84	66,78	208	470 01 14 84	141,83	401	480 01 18 84	164,37	190	494 52 13 84	38,83	182
463 06 18 84	67,30	208	470 01 17 84	141,85	401	480 02 18 84	168,86	190	494 52 18 84	38,85	182
463 07 18 84	66,79	208	470 01 18 84	84,21	401	480 56 18 84	168,86	190	494 52 26 84	38,87	182
463 08 18 84	66,79	208	470 01 26 84	84,23	401	481 01 14	220,38	190	494 90 09 84	38,81	182
463 09 18 84	66,79	208	470 01 31 86	279,23	157	481 01 26 84	164,38	190	494 90 13 84	38,83	182
463 10 18 84	66,79	208	470 01 144	188,90	401	481 02 14	224,93	190	494 90 18 84	38,85	182
463 11 18 84	66,79	208	470 02 31 86	285,51	157	481 02 26 84	168,87	190	494 90 26 84	38,87	182
464 06 14	119,30	208	470 03 31 86	285,51	157	481 56 14	224,93	190	495 01 09 84	39,03	182
464 06 26 84	67,21	208	470 05 31 86	285,51	157	481 56 26 84	168,87	190	495 01 13 84	39,05	182
464 07 14	121,10	208	470 52 09 84	93,48	401	482 01 13 84	213,78	190	495 01 18 84	39,07	182
464 07 26 84	68,80	208	470 52 13 84	93,50	401	482 02 13 84	213,74	190	495 01 26 84	39,09	182
464 08 14	121,10	208	470 52 14 84	154,21	401	482 56 13 84	213,74	190	495 01 31 86	229,90	155
464 08 26 84	68,80	208	470 52 17 84	154,23	401	483 01 18 84	213,79	190	495 02 09 84	45,25	182
464 09 14	121,10	208	470 52 18 84	93,50	401	483 02 18 84	213,79	190	495 02 13 84	45,27	182
464 09 26 84	68,80	208	470 52 26 84	93,54	401	483 56 18 84	213,79	190	495 02 18 84	45,29	182
464 10 14	121,10	208	470 52 31 86	285,51	157	484 01 14	421,80	190	495 02 26 84	45,32	182
464 10 26 84	68,80	208	470 52 144	198,10	401	484 01 26 84	213,80	190	495 02 31 86	235,12	155
464 11 14	121,10	208	470 90 09 84	93,48	401	484 02 14	423,80	190	495 03 09 84	45,25	182
464 11 26 84	68,80	208	470 90 13 84	93,50	401	484 02 26 84	222,20	190	495 03 13 84	45,27	182

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
495 03 18 84	45,28	182	499 02 18 84	74,02	210	701 90 30 88	203,75	222	714 0 02 10	132,70	250
495 03 26 84	45,32	182	499 02 26 84	74,03	210	705 01 70	101,14	222	714 0 02 35	126,11	250
495 03 31 86	226,12	155	499 03 09 84	74,00	210	705 02 70	119,89	222	714 0 02 50	126,11	250
495 05 09 84	45,25	182	499 03 13 84	74,01	210	705 03 70	119,89	222	714 0 02 60	135,75	250
495 05 13 84	45,27	182	499 03 14	178,00	210	705 05 70	119,89	222	714 0 02 75	132,70	250
495 05 18 84	45,29	182	499 03 18 84	74,02	210	705 52 70	119,89	222	714 0 90 10	132,70	250
495 05 26 84	45,32	182	499 03 26 84	74,03	210	705 57 70	119,89	222	714 0 90 35	126,11	250
495 05 31 86	226,12	155	499 04 09 84	74,00	210	705 90 70	119,89	222	714 0 90 50	126,11	250
495 52 09 84	45,28	182	499 04 13 84	74,01	210	708 01 70	101,90	221	714 0 90 60	132,70	250
495 52 13 84	45,27	182	499 04 14	178,00	210	708 02 70	110,18	221	714 0 90 75	132,70	250
495 52 18 84	45,29	182	499 04 18 84	74,02	210	708 03 70	110,18	221	716 02 35C	248,47	102
495 52 26 84	45,32	182	499 04 26 84	74,03	210	708 05 70	110,19	221	716 02 70C	248,47	102
495 52 31 86	226,12	155	499 05 09 84	74,00	210	708 52 70	110,19	221	716 90 35C	248,47	102
495 90 09 84	45,25	182	499 05 13 84	74,01	210	708 90 70	110,19	221	716 90 70C	248,47	102
495 90 13 84	45,27	182	499 05 14	178,00	210	709 01 15	119,79	221	717 02 35C	498,59	102
495 90 18 84	45,29	182	499 05 18 84	74,02	210	709 02 15	125,18	221	717 02 70C	474,62	102
495 90 26 84	45,32	182	499 05 26 84	74,03	210	709 03 15	125,18	221	717 90 35C	498,59	102
495 90 31 86	226,12	155	499 06 09 84	74,00	210	709 05 15	125,18	221	717 90 70C	474,62	102
497 01 13 84	54,59	179	499 06 13 84	74,01	210	709 52 15	125,18	221	718 02 35C	694,32	102
497 01 14	98,20	178	499 06 14	178,00	210	709 90 15	125,18	221	718 02 70C	717,70	102
497 01 14 86	108,13	154	499 06 18 84	74,02	210	710 01 10	292,47	139	718 90 35C	694,32	102
497 01 18 84	54,59	179	499 06 26 84	74,03	210	710 01 35	292,47	139	718 90 70C	717,70	102
497 01 26 84	57,78	179	500			710 01 50	292,47	139	719 02 35C	909,28	102
497 02 14	98,86	179	501 01	35,34	136	710 02 10	292,47	139	719 02 70C	909,28	102
497 02 14 86	173,63	154	501 01 20	36,33	136	710 02 35	292,47	139	719 90 35C	909,28	102
497 03 14 86	173,63	154	501 01 70	94,54	136	710 02 50	292,47	139	719 90 70C	909,28	102
497 05 13 84	57,88	178	501 02	37,43	136	710 52 10	292,47	139	720 01 15	138,43	137
497 05 14 86	173,63	154	501 02 20	40,39	136	710 52 35	292,47	139	720 01 35	130,50	137
497 05 18 84	57,90	178	501 02 70	96,60	136	710 52 50	292,47	139	720 01 70	131,53	137
497 05 26 84	60,99	179	503 01	45,79	54	710 90 10	292,47	139	720 02 15	140,28	137
497 52 13 84	57,88	179	503 02	62,52	54	710 90 35	292,47	139	720 02 35	132,35	137
497 52 14	98,86	179	503 03	62,52	54	710 90 50	292,47	139	720 02 70	133,38	137
497 52 14 86	173,63	154	503 05	62,52	54	713 01 35	316,43	41	720 52 15	140,28	137
497 52 18 84	57,90	178	506 01	79,79	251	713 01 70	316,43	41	720 52 35	132,35	137
497 52 26 84	60,99	179	506 01 20	61,22	251	713 02 35	325,98	41	720 52 70	133,38	137
497 90 13 84	57,88	178	506 02	69,27	251	713 02 70	325,98	41	720 90 15	140,28	137
497 90 14	98,86	178	506 03	90,51	251	713 52 35	325,98	41	720 90 35	132,35	137
497 90 14 86	173,63	154	506 03 20	69,27	251	713 52 70	325,98	41	720 90 70	133,38	137
497 90 18 84	57,90	178	506 05	90,51	251	713 90 35	325,98	41	721 01 12	229,60	138
497 90 26 84	60,99	179	506 05 20	90,51	251	713 90 70	325,98	41	721 01 15CP	190,47	138
498 01 09 84	65,19	210	600			713 B 01 12	221,67	41	721 01 70CP	181,14	138
498 01 13 84	65,20	210	602 01 50	28,41	143	713 B 02 12	221,67	41	721 02 12	232,24	138
498 01 14	117,22	210	602 03 50	28,84	143	713 B 52 12	221,67	41	721 02 15CP	183,11	138
498 01 18 84	65,21	210	602 05 50	34,49	143	713 B 90 12	221,67	41	721 02 70CP	183,79	138
498 01 26 84	65,22	210	602 05 50	34,49	143	713 Q 01 10	121,99	40	721 52 12	232,24	138
498 02 09 84	65,19	210	602 90 50	34,49	143	713 Q 01 35	115,27	40	721 52 15CP	193,11	138
498 02 13 84	65,20	210	604 01 75	32,11	140	713 Q 01 50	115,27	40	721 52 70CP	183,79	138
498 02 14	117,22	210	604 03 75	32,66	143	713 Q 01 80	126,17	40	721 90 12	232,24	138
498 02 18 84	65,21	210	604 05 75	36,41	143	713 Q 01 75	121,99	40	721 90 15CP	193,11	138
498 02 26 84	65,22	210	604 52 75	36,41	143	713 Q 02 10	125,64	40	721 90 70CP	183,79	138
498 03 09 84	65,19	210	604 90 75	36,41	143	713 Q 02 35	118,72	40	722 01 15	227,43	137
498 03 13 84	65,20	210	606 01 10	37,36	143	713 Q 02 50	118,72	40	722 01 35	219,50	137
498 03 14	117,22	210	606 03 10	37,99	140	713 Q 02 60	129,95	40	722 01 70	220,53	137
498 03 18 84	65,21	210	606 05 10	46,34	143	713 Q 02 75	125,64	40	722 02 15	229,28	137
498 03 26 84	65,22	210	606 52 10	46,34	143	713 Q 52 10	125,64	40	722 02 35	201,35	137
498 04 09 84	65,19	210	606 90 10	46,34	143	713 Q 52 35	118,72	40	722 02 70	222,28	137
498 04 13 84	65,20	210	700			713 Q 52 50	118,72	40	722 52 15	229,28	137
498 04 14	117,22	210	701 01 15	117,90	222	713 Q 52 60	129,95	40	722 52 35	221,35	137
498 04 18 84	65,21	210	701 01 29 86	208,70	222	713 Q 52 75	125,64	40	722 52 70	222,38	137
498 04 26 84	65,22	210	701 01 36 86	235,20	222	713 Q 90 10	125,64	40	722 90 15	229,28	137
498 05 09 84	65,19	210	701 02 15	137,89	222	713 Q 90 35	118,72	40	722 90 35	221,35	137
498 05 13 84	65,20	210	701 02 29 86	215,89	222	713 Q 90 50	118,72	40	722 90 70	222,28	137
498 05 14	117,22	210	701 03 15	137,89	222	713 Q 90 60	129,95	40	723 90 15 84	278,34	410
498 05 18 84	65,21	210	701 03 29 86	253,75	222	713 Q 90 75	125,64	40	723 90 70 84	269,83	410
498 05 26 84	65,22	210	701 05 15	137,89	222	714 01 35	321,33	250	725 C 01	167,36	216
498 06 09 84	65,19	210	701 05 29 86	215,89	222	714 01 70	321,33	250	725 C 02	175,76	216
498 06 13 84	65,20	210	701 52 15	137,89	222	714 02 35	323,39	250	725 C 52	175,76	216
498 06 14	117,22	210	701 52 29 86	215,89	222	714 02 70	323,39	250	725 C 90	175,76	216
498 06 18 84	65,21	210	701 57 15	137,89	222	714 90 35	323,39	250	726 C 01	175,74	216
498 06 26 84	65,22	210	701 57 29 86	215,89	222	714 90 70	323,39	250	726 C 02	183,91	216
499 01 09 84	74,00	210	701 57 36 86	253,75	222	714 B 01 12	221,66	250	726 C 52	183,91	216
499 01 13 84	74,01	210	701 90 15	137,89	222	714 B 02 12	224,02	250	726 C 90	183,91	216
499 01 14	178,00	210	701 90 29 86	215,89	222	714 B 90 12	224,02	250	727 C 01	183,20	217
499 01 18 84	74,02	210	701 92 15	137,89	222	714 Q 01 10	130,64	250	727 C 02	191,61	217
499 01 26 84	74,03	210	701 92 36 86	253,75	222	714 Q 01 35	124,05	250	727 C 52	191,61	217
499 02 09 84	74,00	210	701 92 50	137,89	222	714 Q 01 50	124,05	250	727 C 90	191,61	217
499 02 13 84	74,01	210	701 92 60	137,89	222	714 Q 01 60	133,69	250	728 C 01	191,63	217
499 02 14	178,00	210	701 92 75	137,89	222	714 Q 01 75	130,64	250	728 C 02	199,77	217

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
728 C 52	199,77	217	754 02 15	129,66	219	794 90 25	203,21	376	819 03 05	103,00	68
728 C 90	199,77	217	754 03 15	129,66	219	794 90 40	208,98	376	819 05	45,13	68
729 02 15 64	246,99	411	754 05 15	129,66	219	795 90 15	196,87	377	819 05 05	103,00	68
729 02 70 84	242,02	411	754 52 15	129,66	219	795 90 25	203,23	377	819 52	45,13	68
733 01 15	120,33	383	754 90 15	129,66	219	795 90 40	209,00	377	819 52 05	103,00	68
733 01 70	114,12	383	757 01 25	170,94	219	798 90 25	200,98	376	821 03	51,29	68
733 02 15	120,33	383	757 02 25	185,32	219	798 90 40	204,12	376	821 03 05	109,19	68
733 02 70	114,12	383	757 03 25	185,32	219	799 90 25	200,98	377	821 05	51,29	68
733 90 15	120,33	383	757 05 25	185,32	219	799 90 40	204,14	377	821 05 05	109,19	68
733 90 70	114,12	383	757 52 25	185,32	219	800			821 52	51,29	68
735 01 25	186,19	384	757 90 25	185,32	219	810 01	14,62	73	821 52 05	109,19	68
735 01 40	186,28	384	765 02 15	219,16	104	810 02	27,91	73	850 01	79,00	56
735 01 42	502,89	384	765 02 35	219,16	104	810 03	27,91	73	850 01 14	99,72	56
735 02 10	786,90	385	765 02 70	219,16	104	810 52	27,91	73	850 01 18	99,72	56
735 02 25	186,19	384	765 90 15	219,16	104	810 90	27,91	73	850 01 23	119,88	56
735 02 40	186,28	384	765 90 35	219,16	104	811 01	17,81	73	850 01 25 83	208,40	57
735 02 42	502,70	384	765 90 70	219,16	104	811 02	34,79	73	850 01 26	99,79	56
735 90 25	186,19	384	766 02 15	423,82	104	811 03	34,79	73	850 01 29 85	229,50	57
735 90 40	186,28	384	766 02 35	423,82	104	811 52	34,79	73	850 01 30 83	229,51	57
735 90 42	502,72	384	766 02 70	423,82	104	811 90	34,79	73	850 01 32	147,59	56
737 01 25	187,74	384	766 90 15	423,82	104	812 01	21,42	73	850 01 33 85	502,79	57
737 01 40	187,46	384	766 90 35	423,82	104	812 02	38,41	73	850 01 42	147,59	56
737 02 25	187,74	384	766 90 70	423,82	104	812 03	38,41	73	850 02	81,01	56
737 02 40	182,46	384	767 02 15	610,09	104	812 52	38,41	73	850 02 14	166,07	56
737 90 25	187,74	384	767 02 35	610,09	104	812 90	38,41	73	850 02 18	102,71	56
737 90 40	182,46	384	767 02 70	610,09	104	813 01	12,60	70	850 02 23	123,47	56
738 C 01 12	451,10	381	767 90 15	610,09	104	813 02	22,76	70	850 02 25 83	231,39	57
738 C 01 25	201,46	380	767 90 35	610,09	104	813 03	22,76	70	850 02 26	102,77	56
738 C 01 40	202,60	380	767 90 70	610,09	104	813 52	22,76	70	850 02 29 85	232,49	57
738 C 01 42	518,40	380	768 02 15	822,37	104	813 90	22,76	70	850 02 30 83	232,50	57
738 C 02 12	451,10	381	768 02 35	822,37	104	814 01	14,62	70	850 02 32	152,01	56
738 C 02 25	201,46	380	768 02 70	822,37	104	814 02	28,27	70	850 02 33 85	569,38	57
738 C 02 40	202,60	380	768 90 15	822,37	104	814 03	28,27	70	850 02 42	152,01	56
738 C 02 42	518,41	380	768 90 35	822,37	104	814 52	28,27	70	850 02	81,01	56
738 C 90 12	451,10	381	768 90 70	822,37	104	814 90	28,27	70	850 05 14	166,07	56
738 C 90 25	201,46	380	771 01 15	141,22	218	815 01 03	119,08	69	850 05 18	102,71	56
738 C 90 40	202,60	380	771 01 70	131,86	218	815 01 09	56,95	69	850 05 23	123,47	56
738 C 90 42	518,42	380	771 02 15	146,81	218	815 01 13	56,95	69	850 05 25 83	231,39	57
739 C 01 15	203,63	380	771 02 70	136,43	218	815 01 18	56,95	69	850 05 26	102,77	56
739 C 01 25	204,76	380	771 05 15	146,81	218	815 03 03	127,94	69	850 05 29 85	232,49	57
739 C 01 40	206,74	380	771 05 70	136,43	218	815 03 08	65,81	69	850 05 30 83	232,50	57
739 C 02 15	203,63	380	771 52 15	146,81	218	815 03 13	65,81	69	850 05 32	152,01	56
739 C 02 25	204,76	380	771 52 70	136,43	218	815 03 18	65,81	69	850 05 33 85	569,38	57
739 C 02 40	206,74	380	771 90 15	146,81	218	815 05 03	127,94	69	850 05 42	152,01	56
739 C 90 15	203,63	380	771 90 70	136,43	218	815 05 09	65,81	69	850 45	81,01	56
739 C 90 25	204,76	380	773 01 35	243,64	38	815 05 13	65,81	69	850 45 14	166,07	56
739 C 90 40	206,74	380	773 02 35	253,95	38	815 05 18	65,81	69	850 45 18	102,71	56
746 01 35C	329,73	30	773 52 35	353,95	38	815 52 03	127,94	69	850 45 23	123,47	56
746 01 70C	321,35	30	773 90 35	353,95	38	815 52 08	65,81	69	850 45 25 83	231,39	57
746 02 35C	339,41	30	775 01 35	579,98	39	815 52 13	65,81	69	850 45 26	102,77	56
746 02 70C	341,29	30	775 02 35	581,91	39	815 52 18	65,81	69	850 45 29 85	232,49	57
746 52 35C	332,41	30	775 52 35	581,91	39	815 90 03	127,94	69	850 45 30 83	232,50	57
746 52 70C	341,29	30	775 90 35	581,91	39	815 90 09	65,81	69	850 45 32	152,01	56
746 90 35C	332,41	30	778 01 35	282,88	242	815 90 13	65,81	69	850 45 33 85	569,38	57
746 90 70C	341,29	30	778 02 35	284,98	242	815 90 18	65,81	69	850 45 42	152,01	56
747 01 35C	526,76	31	778 52 35	284,98	242	816 01	26,55	71	850 52	81,01	56
747 01 70C	568,83	31	778 90 35	284,98	242	816 02	28,62	71	850 52 14	166,07	56
747 02 35C	542,06	31	780 01 35	504,45	243	816 03	28,62	71	850 52 18	102,71	56
747 02 70C	589,90	31	780 02 35	506,55	243	816 05	28,62	71	850 52 23	123,47	56
747 52 35C	542,06	31	780 52 35	506,55	243	816 52	28,62	71	850 52 25 83	231,39	57
747 52 70C	589,90	31	780 90 35	506,55	243	816 57	28,62	71	850 52 26	102,77	56
747 90 35C	542,06	31	783 C 90 25	294,99	377	816 90	28,62	71	850 52 29 85	232,49	57
747 90 70C	589,90	31	783 C 90 40	300,16	377	817 01	27,01	70	850 52 30 83	232,50	57
748 01 35C	791,62	30	784 C 90 15	292,23	377	817 03	30,67	70	850 52 32	152,01	56
748 01 70C	800,24	30	784 C 90 25	298,81	377	817 05	30,67	70	850 52 33 85	569,38	57
748 02 35C	815,36	30	784 C 90 40	304,38	377	817 52	30,67	70	850 52 42	152,01	56
748 02 70C	824,24	30	785 C 90 25	299,48	377	817 90	30,67	70	850 60	81,01	56
748 52 35C	815,36	30	785 C 90 40	299,48	377	818 01	41,57	68	850 60 14	166,07	56
748 52 70C	824,24	30	790 90 10	748,20	379	818 01 05	99,47	68	850 60 18	102,71	56
748 90 35C	815,36	30	790 90 12	458,60	379	818 03	49,04	68	850 60 23	123,47	56
748 90 70C	824,24	30	790 90 25	189,63	370	818 03 05	106,94	68	850 60 25 83	231,39	57
753 01 70	105,98	219	790 90 40	204,80	376	818 05	49,04	68	850 60 26	102,77	56
753 02 70	112,55	219	790 90 42	811,70	376	818 05 05	106,94	68	850 60 29 85	232,49	57
753 03 70	112,55	219	791 90 25	199,65	377	818 52	49,04	68	850 60 30 83	232,50	57
753 05 70	112,55	219	791 90 40	204,82	377	818 52 05	106,94	68	850 60 32	152,01	56
753 52 70	112,55	219	791 90 42	811,70	377	818 90	49,04	68	850 60 33 85	569,38	57
753 90 70	112,55	219	793 90 42	610,50	377	818 90 05	106,94	68	850 60 42	152,01	56
754 01 15	123,80	219	794 90 15	196,85	376	819 03	45,13	68	850 70	81,01	56

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
850 70 14	100,07	56	860 05 05	100,02	59	904 209 84	170,12	302	906 B 315 AMS 85	400,09	285
850 70 18	102,71	56	860 05 09	100,02	59	904 215 84	257,42	302	906 B 318 84	60,83	280
850 70 23	123,47	56	860 05 23	93,48	59	904 218	21,22	302	906 B 318 AMS 84	56,13	284
850 70 25 83	231,39	57	860 45	51,02	59	904 218 84	26,47	302	906 B 336 84	123,83	280
850 70 26	102,77	55	860 45 05	100,02	59	904 219 84	323,09	302	906 B 336 AMS 84	111,75	284
850 70 29 85	233,49	57	860 45 09	138,92	59	904 236	30,22	302	906 B 409 52 85	367,00	337
850 70 30 83	232,00	57	860 45 23	93,48	59	904 236 84	35,37	302	906 B 409 85	352,88	282
850 70 32	152,01	56	860 52	51,02	59	904 258	43,45	302	906 B 409 85	352,88	337
850 70 33 85	509,28	57	860 52 05	100,02	59	904 258 84	48,60	302	906 B 409 90 85	367,00	337
850 70 42	152,01	56	860 52 09	138,92	59	905 109 84	95,82	301	906 B 409 AMS 85	340,79	285
850 90	81,01	56	860 52 23	93,48	59	905 115 84	140,51	301	906 B 415 85	552,88	282
850 90 14	100,07	56	860 60	51,02	59	905 118	21,42	301	906 B 415 AMS 85	546,86	285
850 90 18	102,71	56	860 60 05	100,02	59	905 118 84	24,27	301	906 B 418 84	60,48	280
850 90 23	103,47	56	860 60 09	138,92	59	905 119 84	189,87	301	906 B 418 AMS 84	68,29	284
850 90 25 83	231,39	57	860 60 23	93,48	59	905 136	26,01	301	906 B 436 84	128,58	280
850 90 26	102,77	56	860 70	51,02	59	905 136 84	30,11	301	906 B 436 AMS 84	122,46	284
850 90 29 85	232,49	57	860 70 05	100,02	59	905 158	36,07	301	906 P 44 109 85	161,86	283
850 90 30 83	232,00	57	860 70 09	138,92	59	905 158 84	38,67	301	906 P 44 115 85	237,90	283
850 90 32	152,01	56	860 70 23	93,48	59	905 209 84	173,87	301	906 P 44 118 84	93,78	281
850 90 33 85	509,28	57	860 90	51,02	59	905 215 84	266,27	301	906 P 44 119 85	287,20	283
850 90 42	152,01	56	860 90 05	100,02	59	905 218	25,07	301	906 P 44 136 84	131,80	281
851 01 15	217,86	56	860 90 09	138,92	59	905 218 84	30,79	301	906 P 44 158 84	148,10	281
851 01 70	213,33	56	860 90 23	93,48	59	905 219 84	363,06	301	906 P 44 209 85	239,88	283
851 02 15	224,39	56	861 90	71,27	56	905 236	39,07	301	906 P 44 215 85	361,17	283
851 02 70	218,72	56	861 90 14	100,07	56	905 236 84	45,48	301	906 P 44 218 84	103,45	281
851 05 15	224,39	56	861 90 23	112,49	56	905 258	53,46	301	906 P 44 219 85	472,00	283
851 05 70	218,72	56	861 90 30	100,10	56	905 258 84	60,67	301	906 P 44 236 84	148,97	281
851 45 15	224,39	56	864 90 26	82,34	56	906 A 109 85	122,00	282	906 P 44 258 84	173,86	281
851 45 70	218,72	56	864 90 32	106,41	56	906 A 115 85	170,92	282	906 P 44 309 85	334,53	283
851 52 15	224,39	56	864 90 42	106,41	56	906 A 118 84	54,00	280	906 P 44 315 85	503,59	283
851 52 70	218,72	56	864 90 57	117,21	56	906 A 119 85	222,89	282	906 P 44 318 84	130,23	281
851 60 15	224,39	56	866 90 70	243,07	56	906 A 136 84	64,82	280	906 P 44 336 84	236,29	281
851 60 70	218,72	56	900			906 A 158 84	73,73	280	906 P 44 409 85	409,01	283
851 70 15	224,39	56	903 114	49,14	283	906 A 209 85	196,22	282	906 P 44 415 85	666,07	283
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851 90 15	224,39	56	903 121	52,23	283	906 A 215 85	288,97	282	906 P 44 436 84	241,87	281
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853 01 14	251,77	56	903 124	50,03	283	906 A 218 84	62,12	280	906 P 65 115 85	286,59	283
853 01 26	186,53	56	903 124 84	54,26	283	906 A 218 AMS 84	48,61	284	906 P 65 118 84	129,20	281
853 01 32	204,14	56	903 128	54,28	280	906 A 219 85	395,50	282	906 P 65 119 85	300,86	283
853 01 42	204,14	56	903 128 84	50,84	283	906 A 236 84	78,77	280	906 P 65 136 84	180,49	281
853 02 14	254,06	56	903 135	56,60	283	906 A 236 AMS 84	68,70	284	906 P 65 158 84	201,86	281
853 02 26	161,22	56	903 135 84	60,03	283	906 A 258 84	97,20	280	906 P 65 209 85	277,14	283
853 02 32	210,26	56	903 139	53,02	283	906 A 309 85	273,45	282	906 P 65 215 85	437,19	283
853 02 42	210,26	56	903 139 84	57,26	283	906 A 309 AMS 85	260,58	285	906 P 65 218 84	140,84	281
853 05 14	254,06	56	903 149	56,92	283	906 A 315 85	446,26	282	906 P 65 219 85	534,93	283
853 05 26	161,22	56	903 149 84	61,53	283	906 A 315 AMS 85	433,40	285	906 P 65 236 84	224,90	281
853 05 32	210,26	56	903 154	54,81	280	906 A 318 84	68,15	280	906 P 65 258 84	236,73	281
853 05 42	210,26	56	903 154 84	59,14	283	906 A 318 AMS 84	56,28	284	906 P 65 309 85	362,32	283
853 45 14	254,06	56	903 180	62,58	283	906 A 336 84	126,06	280	906 P 65 315 85	628,57	283
853 45 26	161,22	56	903 180 84	66,90	283	906 A 336 AMS 84	112,18	284	906 P 65 318 84	178,02	281
853 45 32	210,26	56	903 214	52,28	283	906 A 409 85	354,10	282	906 P 65 336 84	310,27	281
853 45 42	210,26	56	903 214 84	60,93	283	906 A 409 AMS 85	340,96	285	906 P 65 409 85	458,48	283
853 52 14	254,06	56	903 221	62,73	283	906 A 415 85	509,46	282	906 P 65 415 85	747,03	283
853 52 26	161,22	56	903 221 84	71,38	283	906 A 415 AMS 85	547,17	285	906 P 65 418 84	187,06	281
853 52 32	210,26	56	903 224	60,34	280	906 A 418 84	81,71	280	906 P 65 436 84	302,63	281
853 52 42	210,26	56	903 224 84	68,99	283	906 A 418 AMS 84	68,55	284	906 P 109 85	139,84	283
853 60 14	254,06	56	903 228	64,52	283	906 A 436 84	130,06	280	906 P 115 85	203,58	283
853 60 26	161,22	56	903 228 84	70,18	283	906 A 436 AMS 84	122,77	284	906 P 118 84	70,84	281
853 60 32	210,26	56	903 235	66,62	283	906 B 109 85	121,02	282	906 P 119 85	259,92	283
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853 70 14	254,06	56	903 239	63,33	283	906 B 118 84	52,92	280	906 P 158 84	107,82	281
853 70 26	161,22	56	903 239 84	71,88	283	906 B 119 85	221,38	282	906 P 209 85	215,13	283
853 70 32	210,26	56	903 249	67,21	280	906 B 136 84	62,55	280	906 P 209 AMS 85	186,55	285
853 70 42	210,26	56	903 249 84	75,86	283	906 B 158 84	72,29	280	906 P 215 85	323,47	283
853 90 14	254,06	56	903 254	65,72	280	906 B 209 85	198,18	282	906 P 215 AMS 85	289,35	285
853 90 26	161,22	56	903 254 84	74,34	283	906 B 209 AMS 85	183,78	285	906 P 218 84	78,33	281
853 90 32	210,26	56	903 280	83,23	283	906 B 215 85	289,53	282	906 P 218 AMS 84	83,35	284
853 90 42	210,26	56	903 280 84	101,85	283	906 B 215 AMS 85	279,60	285	906 P 219 85	427,19	283
860 01	49,54	59	904 109 84	90,90	282	906 B 218 84	50,98	280	906 P 236 84	111,27	281
860 01 05	107,44	59	904 115 84	132,56	282	906 B 218 AMS 84	47,58	284	906 P 236 AMS 84	77,15	284
860 01 09	126,44	59	904 118	16,50	282	906 B 219 85	382,68	282	906 P 258 84	128,89	281
860 01 23	90,76	59	904 118 84	19,07	282	906 B 236 84	74,33	280	906 P 309 85	304,86	283
860 02	51,03	59	904 119 84	180,34	282	906 B 236 AMS 84	67,46	284	906 P 309 AMS 85	288,00	285
860 02 05	108,92	59	904 136	18,86	282	906 B 258 84	94,48	280	906 P 315 85	504,97	283
860 02 09	128,82	59	904 136 84	21,52	282	906 B 309 85	271,11	282	906 P 315 AMS 85	445,09	285
860 02 23	93,48	59	904 158	25,54	282	906 B 309 AMS 85	263,43	285	906 P 318 84	100,35	281
860 05	51,03	59	904 158 84	28,11	282	906 B 315 85	441,20	282	906 P 318 AMS 84	63,70	284

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906 P 336 84	186,67	281	906 Q 418 84	106,71	281	907 258 84 BE	74,71	308	940 58 10	75,40	405
906 P 336 AMS 84	126,79	284	906 Q 418 AMS 84	76,24	284	907 258 BE	67,77	308	940 58 20	75,40	405
906 P 409 85	378,00	283	906 Q 436 84	182,61	281	907 280	87,93	308	950 58 10	75,45	405
906 P 409 AMS 85	248,62	285	906 Q 436 AMS 84	130,62	284	907 280 84	108,98	308	950 58 20	75,45	405
906 P 415 85	615,98	283	906 Z 109 85	142,91	282	908 A 218 PLL 84	87,34	324	951 00 05 85	188,07	403
906 P 415 AMS 85	561,00	285	906 Z 115 85	170,82	282	908 A 236 PLL 84	87,80	324	951 00 13 84	90,68	402
906 P 418 84	100,63	281	906 Z 118 84	74,81	280	908 A 255 PLL 84	99,70	324	951 00 18 84	90,70	402
906 P 418 AMS 84	78,22	284	906 Z 119 85	222,83	282	908 A 318 PLL 84	100,28	324	952 00 07 85	234,47	403
906 P 436 84	181,58	281	906 Z 136 84	87,68	280	908 A 336 PLL 84	101,84	324	952 00 13 84	136,35	402
906 P 436 AMS 84	136,00	284	906 Z 158 84	100,31	280	908 A 355 PLL 84	132,25	324	952 00 14	189,90	402
906 Q 44 109 85	162,28	283	906 Z 209 85	198,32	282	908 B 218 PLL 84	66,07	324	952 00 18 84	130,37	402
906 Q 44 115 85	338,08	283	906 Z 209 AMS 85	202,34	285	908 B 236 PLL 84	66,31	324	952 00 26 84	136,38	402
906 Q 44 118 84	94,18	281	906 Z 215 85	288,97	282	908 B 255 PLL 84	98,05	324	952 00 31 84	189,62	404
906 Q 44 119 85	297,30	283	906 Z 215 AMS 85	308,81	285	908 B 318 PLL 84	99,18	324	957 00 25 83	408,35	394
906 Q 44 136 84	121,88	281	906 Z 218 84	63,20	280	908 B 336 PLL 84	100,28	324	957 00 25 85	408,39	394
906 Q 44 158 84	148,20	281	906 Z 218 AMS 84	66,74	284	908 B 355 PLL 84	130,04	324	957 00 29 85	408,39	394
906 Q 44 209 85	229,80	283	906 Z 219 85	206,90	282	908 P 218 PLL 84	60,43	324	957 00 30 83	408,40	394
906 Q 44 215 85	361,27	282	906 Z 236 84	104,78	280	908 P 236 PLL 84	68,85	324	957 00 35	420,13	394
906 Q 44 218 84	103,60	281	906 Z 236 AMS 84	96,61	284	908 P 255 PLL 84	104,03	324	957 00 70	420,44	394
906 Q 44 219 85	472,20	283	906 Z 258 84	132,29	280	908 P 318 PLL 84	106,43	324	959 00 15	561,04	395
906 Q 44 236 84	149,07	281	906 Z 309 85	298,30	282	908 P 336 PLL 84	106,09	324	959 00 50 83	709,14	395
906 Q 44 258 84	174,00	281	906 Z 309 AMS 85	284,22	285	908 P 355 PLL 84	136,78	324	959 00 50 84	707,90	395
906 Q 44 309 85	334,63	283	906 Z 315 85	404,98	282	908 Q 218 PLL 84	90,63	324	959 00 50 85	689,88	395
906 Q 44 315 85	353,69	283	906 Z 315 AMS 85	477,43	285	908 Q 236 PLL 84	91,58	324	961 01 05	188,48	415
906 Q 44 318 84	190,33	281	906 Z 318 84	94,07	280	908 Q 255 PLL 84	104,13	324	961 01 50	153,88	415
906 Q 44 336 84	235,39	281	906 Z 318 AMS 84	79,93	284	908 Q 318 PLL 84	106,47	324	961 02 05	202,80	415
906 Q 44 409 85	409,12	283	906 Z 336 84	176,68	280	908 Q 336 PLL 84	106,13	324	961 02 50	158,20	415
906 Q 44 415 85	686,09	283	906 Z 336 AMS 84	158,13	284	908 Q 355 PLL 84	136,88	324	961 90 05	202,80	415
906 Q 44 418 84	136,72	281	906 Z 409 85	385,12	282	908 Z 218 PLL 84	101,76	324	961 90 50	158,20	415
906 Q 44 436 84	241,69	281	906 Z 409 AMS 85	368,80	285	908 Z 236 PLL 84	102,58	324	962 01 05	256,00	415
906 Q 65 109 85	187,32	283	906 Z 415 85	601,39	282	908 Z 255 PLL 84	118,14	324	962 01 50	211,97	415
906 Q 65 115 85	286,61	283	906 Z 415 AMS 85	589,26	285	908 Z 318 PLL 84	116,76	324	962 02 05	260,79	415
906 Q 65 118 84	129,22	281	906 Z 418 84	112,72	280	908 Z 336 PLL 84	118,14	324	962 02 50	216,19	415
906 Q 65 119 85	390,98	283	906 Z 418 AMS 84	96,40	284	908 Z 355 PLL 84	153,05	324	962 90 05	260,79	415
906 Q 65 136 84	180,51	281	906 Z 436 84	177,19	280	909 A 218 84	101,14	326	962 90 50	216,19	415
906 Q 65 158 84	201,88	281	906 Z 436 AMS 84	174,88	284	909 A 236 84	110,93	326	963 01 05	227,60	415
906 Q 65 209 85	278,20	283	907 109 85	102,63	308	909 A 336 84	123,18	326	963 01 50	183,00	415
906 Q 65 215 85	487,20	283	907 114	66,51	309	909 B 218 84	99,18	326	963 02 05	231,26	415
906 Q 65 218 84	140,96	281	907 114 84	68,64	309	909 B 236 84	108,60	326	963 02 50	187,38	415
906 Q 65 219 85	534,95	283	907 115 85	148,80	308	909 B 336 84	121,33	326	963 90 05	231,26	415
906 Q 65 236 84	226,00	281	907 118 84 BE	30,99	308	909 P 44 218 84	168,08	327	963 90 50	187,35	415
906 Q 65 258 84	236,75	281	907 118 8E	28,23	308	909 P 44 236 84	190,18	327	964 01 05	285,60	415
906 Q 65 309 85	382,33	283	907 119 85	201,42	308	909 P 44 336 84	208,48	327	964 01 50	241,12	415
906 Q 65 315 85	628,58	283	907 124	47,26	309	909 P 65 218 84	224,54	327	964 02 05	289,90	415
906 Q 65 318 84	178,03	281	907 124 84	51,89	309	909 P 65 236 84	257,70	327	964 02 50	245,34	415
906 Q 65 336 84	310,29	281	907 128	57,04	309	909 P 65 336 84	279,21	327	964 90 05	289,90	415
906 Q 65 409 85	468,50	283	907 128 84	61,30	309	909 P 218 84	123,80	327	964 90 50	245,34	415
906 Q 65 415 85	757,05	283	907 135	64,80	309	909 P 236 84	144,92	327	965 90 15 84	244,52	410
906 Q 65 418 84	187,10	281	907 135 84	68,13	309	909 P 336 84	156,11	327	965 90 35 84	284,52	410
906 Q 65 436 84	322,65	281	907 138 84 BE	38,29	308	909 Q 44 218 84	160,10	327	965 90 70 84	244,52	410
906 Q 109 85	138,20	283	907 138 8E	36,20	308	909 Q 44 236 84	190,22	327	966 90	206,79	423
906 Q 115 85	204,04	283	907 149	64,80	309	909 Q 44 336 84	206,53	327	967 02	127,97	423
906 Q 118 84	71,10	281	907 149 84	68,13	309	909 Q 65 218 84	224,56	327	968 02	123,45	422
906 Q 119 85	206,97	283	907 154	57,04	309	909 Q 65 236 84	257,75	327	968 02 09 84	168,90	422
906 Q 136 84	97,34	281	907 154 84	61,30	309	909 Q 65 336 84	279,84	327	968 02 13 84	140,78	422
906 Q 158 84	107,87	281	907 158 84 BE	49,09	308	909 Q 218 84	123,26	327	968 02 18 84	140,76	422
906 Q 209 85	216,18	283	907 158 8E	46,62	308	909 Q 236 84	144,94	327	968 02 26 84	140,78	422
906 Q 209 AMS 85	189,08	285	907 180	58,39	309	909 Q 336 84	156,13	327	968 02 30 84	90,68	393
906 Q 215 85	323,63	283	907 180 84	73,01	309	909 Z 218 84	117,52	326	970 01 05	83,75	393
906 Q 215 AMS 85	286,40	285	907 209 85	184,32	308	909 Z 236 84	127,92	326	970 01 07	99,75	393
906 Q 218 84	78,88	281	907 214	56,36	309	909 Z 336 84	140,58	326	970 01 50	39,26	393
906 Q 218 AMS 84	63,07	284	907 214 84	60,01	309	918 90 15 84	417,04	414	970 05 03	96,71	393
906 Q 219 85	427,55	283	907 215 85	277,24	308	916 90 70 84	393,15	414	970 05 05	80,81	393
906 Q 236 84	111,23	281	907 218 84 BE	41,13	308	925 00	60,22	396	970 05 07	106,51	393
906 Q 236 AMS 84	77,16	284	907 218 8E	36,62	308	927 00 03	184,65	392	970 05 50	45,32	393
906 Q 258 84	129,35	281	907 219 85	377,37	308	929 00	100,31	392	970 05 50	96,71	393
906 Q 309 85	304,30	283	907 224	56,36	309	929 00 50	112,71	392	970 52 03	80,81	393
906 Q 309 AMS 85	268,10	285	907 224 84	60,01	309	930 00 03	130,41	393	970 52 05	80,81	393
906 Q 315 85	506,07	283	907 228	67,59	309	930 00 05	123,51	393	970 52 07	106,51	393
906 Q 315 AMS 85	445,15	285	907 228 84	76,25	309	930 00 50	79,02	393	970 52 50	45,32	393
906 Q 318 84	100,40	281	907 235	78,10	309	931 00	116,48	392	972 00 25 83	451,75	394
906 Q 318 AMS 84	63,75	284	907 235 84	88,81	309	931 00 03	190,18	392	972 00 25 85	451,75	394
906 Q 336 84	187,77	281	907 236 84 BE	56,31	308	931 00 50	126,15	392	972 00 29 85	451,75	394
906 Q 336 AMS 84	126,81	284	907 236 8E	50,14	308	936 00	26,77	407	972 00 30 83	451,76	394
906 Q 409 85	378,11	283	907 249	78,10	309	936 00 08 85	168,27	407	972 00 70	460,80	394
906 Q 409 AMS 85	248,86	285	907 249 84	88,81	309	940 00	26,77	407	974 00 15	622,01	395
906 Q 415 85	617,01	283	907 254	67,59	309	948 58 10	75,41	406	980 01	30,15	409
906 Q 415 AMS 85	561,10	285	907 254 84	76,25	309	948 58 20	75,41	406	980 02	30,15	409
									981 01	15,02	409

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
981 02	15,02	409	1026 90 18 84	114,22	262	1035 02 35	260,38	259	1057 90 40	351,43	375
982 01	27,02	409	1026 90 26 84	114,24	262	1035 02 50	260,38	259	1057 90 42	696,15	375
982 02	27,62	409	1026 90 32 84	166,70	262	1035 02 60	267,80	259	1057 90 70	363,37	375
983 01	15,83	409	1026 90 42 84	166,72	262	1035 02 75	260,38	259	1058 90 15	343,09	375
983 02	15,83	409	1027 01 14 84	122,69	264	1035 90 10	260,38	259	1058 90 25	349,37	375
985 01	22,54	404	1027 01 17 84	122,71	264	1035 90 35	260,38	259	1058 90 40	366,38	375
985 01 06 85	130,29	404	1027 01 18 84	106,27	264	1035 90 50	260,38	259	1059 90 25	347,31	375
985 02	22,54	404	1027 01 26 84	106,39	264	1035 90 60	267,80	259	1059 90 40	360,40	375
985 02 06 85	130,29	404	1027 01 32 84	126,66	264	1035 90 75	260,38	259	1061 01 03	130,50	46
990 01	7,74	409	1027 01 42 84	126,70	264	1035 L 02 12	546,37	259	1061 01 07	160,20	46
990 02	7,74	409	1027 02 14 84	126,89	264	1035 L 90 12	546,37	259	1061 01 09	160,20	46
991 01	6,03	408	1027 02 17 84	126,91	264	1036 02 15	242,64	261	1061 02 03	134,41	46
991 02	6,03	408	1027 02 18 84	111,73	264	1036 02 35	234,63	261	1061 02 07	196,20	46
992 01	6,97	408	1027 02 26 84	111,75	264	1036 02 70	234,63	261	1061 02 09	197,20	46
992 02	6,97	408	1027 02 32 84	129,26	264	1036 90 15	242,64	261	1061 52 03	134,41	46
993 01	7,23	408	1027 02 42 84	129,28	264	1036 90 35	234,63	261	1061 52 07	196,20	46
993 02	7,23	408	1027 90 14 84	126,89	264	1036 90 70	234,63	261	1061 52 09	197,20	46
1000			1027 90 17 84	126,91	264	1037 02 15	470,79	261	1061 70 03	134,41	46
1001 00	227,42	63	1027 90 18 84	111,73	264	1037 02 35	454,74	261	1061 70 07	196,20	46
1002 00	262,50	63	1027 90 26 84	111,75	264	1037 02 70	454,74	261	1061 70 09	197,20	46
1004 90 15 84	423,02	413	1027 90 32 84	129,26	264	1037 90 15	470,79	261	1061 90 03	134,41	46
1004 90 70 84	366,19	413	1027 90 42 84	129,28	264	1037 90 35	454,74	261	1061 90 07	196,20	46
1005 00 W	23,56	417	1028 01 18 84	65,71	263	1037 90 70	454,74	261	1061 90 09	197,20	46
1005 00 R	24,98	417	1028 01 26 84	65,73	263	1038 02 15	665,54	261	1062 01 50	79,10	46
1005 00 B	24,27	417	1028 01 32 84	109,59	263	1038 02 35	661,46	261	1062 02 50	81,47	46
1006 00	24,84	417	1028 01 42 84	109,01	263	1038 02 70	661,46	261	1062 52 50	81,47	46
1007 00 W	253,60	417	1028 02 18 84	71,89	263	1038 90 15	665,54	261	1062 70 50	81,47	46
1007 00 R	255,86	417	1028 02 26 84	71,79	263	1038 90 35	661,46	261	1062 90 50	81,47	46
1007 00 B	254,78	417	1028 02 32 84	113,09	263	1038 90 70	661,46	261	1063 01 10	156,75	47
1012 00 S	514,17	397	1028 02 42 84	113,11	263	1039 02 35	471,53	260	1063 01 35	154,29	47
1012 00 A	506,96	397	1028 52 18 84	71,89	263	1039 02 70	540,33	260	1063 01 50	154,34	47
1013 00 S	518,29	397	1028 52 26 84	71,79	263	1039 90 35	471,53	260	1063 01 60	156,75	47
1013 00 A	518,29	397	1028 52 32 84	113,09	263	1039 90 70	540,33	260	1063 01 75	156,73	47
1014 00 S	525,60	397	1028 52 42 84	113,11	263	1040 02 35	709,25	260	1063 02 10	160,42	47
1014 00 A	525,60	397	1028 90 18 84	71,89	263	1040 02 70	732,63	260	1063 02 35	158,97	47
1015 00 03	303,43	396	1028 90 26 84	71,79	263	1040 90 35	709,25	260	1063 02 50	158,97	47
1015 00 09 84	265,22	396	1028 90 32 84	113,09	263	1040 90 70	732,63	260	1063 02 60	164,54	47
1015 00 18	203,81	396	1028 90 42 84	113,11	263	1041 02 35	904,21	260	1063 02 75	160,40	47
1016 90 03	326,73	412	1029 01 70	168,28	265	1041 02 70	976,51	260	1063 52 10	160,42	47
1016 90 09 84	365,70	412	1029 02 70	161,91	265	1041 90 35	904,21	260	1063 52 35	158,97	47
1016 90 35	222,94	412	1029 90 70	161,91	265	1041 90 70	976,51	260	1063 52 50	158,97	47
1017 01	140,69	258	1030 01 15	166,46	265	1043 00	57,68	75	1063 52 60	164,54	47
1017 02	142,96	258	1030 02 15	173,77	265	1043 GU 00	59,01	75	1063 52 75	160,40	47
1017 90	142,96	258	1030 90 15	173,77	265	1043 L 90 07	107,26	75	1063 70 10	160,42	47
1018 01	283,08	258	1031 01 29 86	262,10	265	1043 U 00	61,59	75	1063 70 35	158,97	47
1018 02	285,31	258	1031 01 70	167,18	265	1044 GU 00	59,04	75	1063 70 50	158,97	47
1018 90	285,31	258	1031 02 29 86	267,60	265	1044 L 90 07	108,19	75	1063 70 60	164,54	47
1019 00 S	564,74	397	1031 02 70	169,52	265	1044 U 00	62,52	75	1063 70 75	160,40	47
1019 00 A	564,74	397	1031 90 29 86	267,60	265	1051 90 10	769,20	374	1063 90 10	160,42	47
1020 01	13,18	258	1031 90 70	169,52	265	1051 90 12	476,60	374	1063 90 35	158,97	47
1020 02	13,49	258	1032 01 15	178,07	265	1051 90 15	247,01	374	1063 90 50	158,97	47
1020 90	13,49	258	1032 02 15	181,51	265	1051 90 25	251,11	374	1063 90 60	164,54	47
1021 01	8,85	258	1032 90 15	181,51	265	1051 90 30	441,75	374	1063 90 75	163,40	47
1021 02	9,11	258	1033 02 10	107,94	259	1051 90 36	496,60	374	1063 L 01 12	268,72	47
1021 90	9,11	258	1033 02 35	107,94	259	1051 90 40	259,06	374	1063 L 02 12	276,78	47
1022 01	50,26	258	1033 02 50	107,94	259	1051 90 42	563,25	374	1063 L 52 12	276,78	47
1022 02	50,98	258	1033 02 60	116,49	259	1051 90 70	289,20	374	1063 L 70 12	276,78	47
1022 90	50,98	258	1033 02 75	107,94	259	1052 90 15	248,43	374	1063 L 90 12	276,78	47
1023 01	7,04	258	1033 90 10	107,94	259	1052 90 25	254,61	374	1064 01 35	278,50	47
1023 02	7,04	258	1033 90 35	107,94	259	1052 90 40	259,80	374	1064 01 70	276,65	47
1024 01	21,54	258	1033 90 50	107,94	259	1053 90 25	251,53	374	1064 02 35	284,79	47
1024 02	21,54	258	1033 90 60	116,49	259	1053 90 40	255,68	374	1064 02 70	284,94	47
1026 01 14	218,04	262	1033 90 75	107,94	259	1054 90 15	246,99	374	1064 52 35	284,79	47
1026 01 18 84	112,06	262	1033 L 02 12	203,94	259	1054 90 25	251,13	374	1064 52 70	284,94	47
1026 01 26 84	112,06	262	1033 L 90 12	203,94	259	1054 90 30	442,30	374	1064 70 35	284,79	47
1026 01 32 84	161,62	262	1034 02 10	162,10	259	1054 90 36	496,25	374	1064 70 70	284,94	47
1026 01 42 84	161,64	262	1034 02 35	162,10	259	1054 90 40	266,07	374	1064 90 35	284,79	47
1026 02 18 84	114,22	262	1034 02 50	162,10	259	1054 90 42	563,60	374	1064 90 70	284,94	47
1026 02 26 84	114,24	262	1034 02 60	162,40	259	1054 90 70	288,22	374	1066 01 03	122,87	44
1026 02 32 84	166,70	262	1034 02 75	162,10	259	1055 90 15	248,47	374	1066 01 07	164,20	44
1026 02 42 84	166,72	262	1034 90 10	162,10	259	1055 90 25	254,60	374	1066 01 09	163,20	44
1026 05 14	218,20	262	1034 90 35	162,10	259	1055 90 40	260,13	374	1066 02 03	126,55	44
1026 52 14	218,20	262	1034 90 50	162,10	259	1056 90 25	251,36	374	1066 02 07	169,60	44
1026 52 18 84	114,22	262	1034 90 60	162,40	259	1056 90 40	255,68	374	1066 02 09	169,60	44
1026 52 26 84	114,24	262	1034 90 75	162,10	259	1057 90 15	341,89	374	1066 52 03	126,55	44
1026 52 32 84	166,70	262	1034 L 02 12	374,09	259	1057 90 25	346,28	374	1066 52 07	169,60	44
1026 52 42 84	166,72	262	1034 L 90 12	374,09	259	1057 90 30	526,65	374	1066 52 09	169,60	44
1026 90 14	218,20	262	1035 02 10	260,38	259	1057 90 36	590,10	374	1066 70 03	126,55	44

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
1066 70 07	169,80	44	1073 02 60	203,37	46	1079 02 35	302,02	253	1103 01 10	195,21	48
1066 70 09	168,80	44	1073 02 75	199,23	46	1079 02 70	302,04	253	1103 01 35	192,78	48
1066 90 03	126,55	44	1073 52 10	199,23	46	1079 52 35	302,02	253	1103 01 50	192,89	48
1066 90 07	169,80	44	1073 52 35	197,11	46	1079 52 70	302,04	253	1103 01 60	199,29	48
1066 90 09	168,80	44	1073 52 50	197,21	46	1079 90 35	302,02	253	1103 01 75	195,19	48
1067 01 50	71,48	44	1073 52 60	203,37	46	1079 90 70	302,04	253	1103 02 10	203,04	48
1067 02 50	73,62	44	1073 52 75	199,23	46	1083 01	166,41	48	1103 02 35	198,96	48
1067 52 50	73,62	44	1073 70 10	199,23	46	1083 02	173,50	48	1103 02 50	198,96	48
1067 70 50	73,62	44	1073 70 35	197,11	46	1083 52	173,50	48	1103 02 60	205,27	48
1067 90 50	73,62	44	1073 70 50	197,21	46	1083 90	173,50	48	1103 02 75	201,05	48
1068 01 10	136,28	46	1073 70 60	203,37	46	1084 01	187,21	50	1103 52 10	203,04	48
1068 01 35	133,15	46	1073 70 75	199,23	46	1084 02	192,87	50	1103 52 35	198,56	48
1068 01 50	133,17	46	1073 90 10	199,23	46	1084 52	192,82	50	1103 52 50	198,96	48
1068 01 60	139,25	46	1073 90 35	197,11	46	1084 90	192,82	50	1103 52 60	205,27	48
1068 01 75	136,28	46	1073 90 50	197,21	46	1085 01	170,83	48	1103 52 75	201,05	48
1068 02 10	139,33	46	1073 90 60	203,37	46	1085 02	176,36	48	1103 90 10	203,04	48
1068 02 35	137,14	46	1073 90 75	199,23	46	1085 52	176,36	48	1103 90 35	198,96	48
1068 02 50	137,16	46	1073 L 01 12	202,92	46	1085 90	176,36	48	1103 90 50	198,96	48
1068 02 60	143,42	46	1073 L 02 12	201,71	46	1086 01	177,33	50	1103 90 60	205,27	48
1068 02 75	136,30	46	1073 L 52 12	201,71	46	1086 02	182,65	50	1103 90 75	201,05	48
1068 52 10	139,33	46	1073 L 70 12	201,71	46	1086 52	182,65	50	1104 01 10	195,71	51
1068 52 35	137,14	46	1073 L 90 12	201,71	46	1086 90	182,65	50	1104 01 35	194,86	51
1068 52 50	137,16	46	1074 01 35	207,46	46	1087 01	266,55	48	1104 01 50	194,96	51
1068 52 60	143,42	46	1074 01 70	209,65	46	1087 01 03	271,25	48	1104 01 60	199,29	51
1068 52 75	139,33	46	1074 02 35	206,38	46	1087 01 07	267,55	48	1104 01 75	195,61	51
1068 70 10	139,33	46	1074 02 70	207,60	46	1087 02	269,70	48	1104 02 10	201,58	51
1068 70 35	137,14	46	1074 52 35	206,38	46	1087 02 03	274,41	48	1104 02 35	200,72	51
1068 70 50	137,16	46	1074 52 70	207,60	46	1087 02 07	270,70	48	1104 02 50	200,83	51
1068 70 60	143,42	46	1074 70 35	206,38	46	1087 52	269,70	48	1104 02 60	205,27	51
1068 70 75	139,33	46	1074 70 70	207,60	46	1087 52 03	274,41	48	1104 02 75	201,48	51
1068 90 10	139,33	46	1074 90 35	206,38	46	1087 52 07	270,70	48	1104 52 10	201,58	51
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1068 90 50	137,16	46	1076 01 03	138,84	252	1087 90 03	274,41	48	1104 52 50	200,83	51
1068 90 60	143,42	46	1076 01 07	142,80	252	1087 90 07	270,70	48	1104 52 60	205,27	51
1068 90 75	138,30	46	1076 01 09	213,02	252	1088 01	288,57	50	1104 52 75	201,48	51
1068 L 01 12	234,71	46	1076 02 03	143,00	252	1088 01 03	290,06	50	1104 90 10	201,58	51
1068 L 02 12	241,75	46	1076 02 07	149,50	252	1088 01 07	288,57	50	1104 90 35	200,72	51
1068 L 52 12	241,75	46	1076 02 09	219,41	252	1088 02	296,12	50	1104 90 50	200,83	51
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1069 01 70	260,54	46	1076 90 03	143,00	252	1088 52 03	300,62	50	1107 01 03	356,15	49
1069 02 35	269,57	46	1076 90 07	149,50	252	1088 52 07	297,12	50	1107 01 07	340,77	49
1069 02 70	270,41	46	1076 90 09	219,41	252	1088 90	296,12	50	1107 02	350,29	49
1069 52 35	269,57	46	1077 01 50	87,44	252	1088 90 03	300,62	50	1107 02 03	361,04	49
1069 52 70	270,41	46	1077 02 50	90,07	252	1088 90 07	297,12	50	1107 02 07	361,29	49
1069 70 35	269,57	46	1077 52 50	90,07	252	1089 01	317,18	48	1107 52	350,29	49
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1069 90 35	269,57	46	1077 K 01	87,44	252	1089 01 07	318,18	48	1107 52 07	361,29	49
1069 90 70	270,41	46	1077 K 02	90,60	252	1089 02	327,03	48	1107 90	350,29	49
1071 01 03	160,18	45	1077 K 52	90,60	252	1089 02 03	328,04	48	1107 90 03	361,04	49
1071 01 07	205,20	45	1077 K 90	90,60	252	1089 02 07	328,03	48	1107 90 07	361,29	49
1071 01 09	204,20	45	1078 01 10	163,99	253	1089 52	327,03	48	1108 01	343,97	51
1071 02 03	164,96	45	1078 01 35	162,53	253	1089 52 03	328,04	48	1108 01 03	354,99	51
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1071 02 09	211,76	45	1078 01 60	166,12	253	1089 90	327,03	48	1108 02	354,62	51
1071 52 03	164,96	45	1078 01 75	163,99	253	1089 90 03	328,04	48	1108 02 03	365,63	51
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1071 52 09	211,76	45	1078 02 35	167,41	253	1100 01	326,68	50	1108 52	354,62	51
1071 70 03	164,96	45	1078 02 50	167,41	253	1100 01 03	334,61	50	1108 52 03	365,63	51
1071 70 07	212,76	45	1078 02 60	174,19	253	1100 01 07	327,69	50	1108 52 07	355,62	51
1071 70 09	211,76	45	1078 02 75	168,91	253	1100 02	304,10	50	1108 90	354,62	51
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1071 90 07	212,76	45	1078 52 35	167,41	253	1100 02 07	335,10	50	1108 90 07	355,62	51
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1072 02 50	112,02	45	1078 52 75	168,91	253	1100 52 07	336,10	50	1109 02 35	333,39	49
1072 52 50	112,02	45	1078 90 10	168,91	253	1100 90	304,10	50	1109 02 70	304,80	49
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1072 90 50	112,02	45	1078 90 50	167,41	253	1100 90 07	336,10	50	1109 52 70	334,80	49
1073 01 10	193,47	46	1078 90 60	174,19	253	1101 01	193,51	48	1109 90 35	333,39	49
1073 01 35	191,27	46	1078 90 75	168,91	253	1101 02	199,31	48	1109 90 70	334,80	49
1073 01 50	191,47	46	1078 L 01 35	264,09	253	1101 52	199,31	48	1110 01 35	338,73	50
1073 01 60	197,45	46	1078 L 02 35	272,01	253	1101 90	199,31	48	1110 01 70	341,01	50
1073 01 75	193,43	46	1078 L 52 35	272,01	253	1102 01	199,65	51	1110 02 35	348,89	50
1073 02 10	199,23	46	1078 L 90 35	272,01	253	1102 02	203,65	51	1110 02 70	351,24	50
1073 02 35	197,11	46	1079 01 35	293,23	253	1102 52	203,65	51	1110 52 35	348,89	50
1073 02 50	197,21	46	1079 01 70	293,25	253	1102 90	203,65	51	1110 52 70	351,24	50

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1110 90 35	348,00	50	1224 P 84	183,00	293	1234 84	181,20	296	1243 P 84	231,75	315
1110 90 70	351,24	50	1224 Q 44 84	261,50	293	1234 P 44 84	250,47	297	1243 Q 44 84	328,30	315
1111 01 12	292,68	48	1224 Q 65 84	301,81	293	1234 P 65 84	347,18	297	1243 Q 65 84	447,63	315
1111 02 12	301,46	48	1224 Q 84	183,87	293	1234 P 84	202,45	297	1243 Q 84	232,88	315
1111 52 12	301,46	48	1224 Z 84	145,67	292	1234 Q 44 84	256,80	297	1243 Z 84	204,35	314
1111 90 12	301,46	48	1225 84	141,14	292	1234 Q 65 84	347,18	297	1244 84	269,79	314
1112 01 12	288,48	51	1225 NS 84	141,14	312	1234 Q 84	206,02	297	1244 P 44 84	443,00	315
1112 02 12	303,05	51	1225 P 44 84	297,29	293	1234 Z 84	192,75	296	1244 P 65 84	602,34	315
1112 52 12	303,05	51	1225 P 65 84	411,42	293	1235 84	208,00	296	1244 P 84	315,18	315
1112 90 12	303,05	51	1225 P 84	267,89	293	1235 P 44 84	340,41	297	1244 Q 44 84	445,16	315
1200			1225 Q 44 84	303,19	293	1235 P 65 84	486,91	297	1244 Q 65 84	603,68	315
1216 84	111,86	292	1225 Q 65 84	412,51	293	1235 P 84	278,96	297	1244 Q 84	316,82	315
1216 NS 84	111,86	312	1225 Q 84	208,42	293	1235 Q 44 84	356,78	297	1244 Z 84	307,56	314
1216 P 44 84	181,36	293	1225 Z 84	185,07	292	1235 Q 65 84	486,04	297	1245 84	269,79	314
1216 P 65 84	250,73	293	1226 84	195,00	294	1235 Q 84	290,50	297	1245 P 44 84	443,00	315
1216 P 84	129,40	293	1226 P 44 84	223,38	295	1235 Z 84	239,20	296	1245 P 65 84	602,34	315
1216 Q 44 84	188,00	293	1226 P 65 84	306,24	295	1236 84	208,00	296	1245 P 84	315,30	315
1216 Q 65 84	255,70	293	1226 P 84	160,30	295	1236 P 44 84	340,41	297	1245 Q 44 84	445,16	315
1216 Q 84	130,12	293	1226 Q 44 84	227,08	295	1236 P 65 84	486,91	297	1245 Q 65 84	603,68	315
1216 Z 84	131,56	292	1226 Q 65 84	309,44	295	1236 P 84	278,96	297	1245 Q 84	316,82	315
1217 84	124,25	292	1226 Q 84	181,66	295	1236 Q 44 84	356,78	297	1245 Z 84	307,56	314
1217 NS 84	124,25	312	1226 Z 84	164,30	294	1236 Q 65 84	486,04	297	1246 84	277,66	314
1217 P 44 84	197,34	293	1227 84	195,00	294	1236 Q 84	290,50	297	1246 P 44 84	384,96	315
1217 P 65 84	272,78	293	1227 P 44 84	223,38	295	1236 Z 84	239,20	296	1246 P 65 84	513,04	315
1217 P 84	138,60	293	1227 P 65 84	306,24	295	1237 01 09 86	268,20	306	1246 P 84	278,84	315
1217 Q 44 84	201,23	293	1227 P 84	160,30	295	1237 52 09 86	209,80	306	1246 Q 44 84	386,66	315
1217 Q 65 84	276,19	293	1227 Q 44 84	227,08	295	1237 84	171,86	298	1246 Q 65 84	514,58	315
1217 Q 84	140,83	293	1227 Q 65 84	309,44	295	1237 90 09 86	299,80	306	1246 Q 84	278,96	315
1217 Z 84	145,67	292	1227 Q 84	181,66	295	1237 P 44 84	241,00	299	1246 Z 84	264,40	314
1218 84	111,86	292	1227 Z 84	164,31	294	1237 P 65 84	348,09	299	1247 84	296,35	314
1218 NS 84	111,86	312	1228 84	182,31	294	1237 P 84	191,86	299	1247 P 44 84	463,00	315
1218 P 44 84	181,36	293	1228 P 44 84	311,00	295	1237 Q 44 84	257,78	299	1247 P 65 84	616,04	315
1218 P 65 84	401,55	293	1228 P 65 84	412,89	295	1237 Q 65 84	340,00	299	1247 P 84	332,07	315
1218 P 84	129,40	293	1228 P 84	223,38	295	1237 Q 84	193,44	299	1247 Q 44 84	465,56	315
1218 Q 44 84	188,00	293	1228 Q 44 84	316,24	295	1237 Z 84	205,00	298	1247 Q 65 84	617,17	315
1218 Q 65 84	255,70	293	1228 Q 65 84	412,94	295	1238 84	171,86	298	1247 Q 84	332,27	315
1218 Q 84	130,12	293	1228 Q 84	234,10	295	1238 P 44 84	241,00	299	1247 Z 84	348,28	314
1218 Z 84	131,56	292	1228 Z 84	197,48	294	1238 P 65 84	348,09	299	1248 84	189,90	316
1220 84	124,25	292	1229 84	216,29	294	1238 P 84	191,86	299	1248 P 44 84	290,97	317
1220 NS 84	124,25	312	1229 P 44 84	404,25	295	1238 Q 44 84	257,78	299	1248 P 65 84	218,66	317
1220 P 44 84	197,34	293	1229 P 65 84	507,62	295	1238 Q 65 84	340,00	299	1248 Q 44 84	292,62	317
1220 P 65 84	354,77	293	1229 P 84	302,79	295	1238 Q 84	193,44	299	1248 Q 84	218,77	317
1220 P 84	138,60	293	1229 Q 44 84	411,31	295	1238 Z 84	205,00	298	1248 Z 84	224,84	316
1220 Q 44 84	201,23	293	1229 Q 65 84	509,94	295	1239 84	241,57	298	1249 84	190,17	316
1220 Q 65 84	276,19	293	1229 Q 84	303,26	295	1239 P 44 84	354,76	299	1249 P 44 84	290,97	317
1220 Q 84	140,83	293	1229 Z 84	281,86	294	1239 P 65 84	484,34	299	1249 P 65 84	218,66	317
1220 Z 84	145,67	292	1230 84	216,29	294	1239 P 84	282,58	299	1249 Q 44 84	282,62	317
1221 84	126,33	292	1230 P 44 84	404,25	295	1239 Q 44 84	308,02	299	1249 Q 65 84	218,77	317
1221 NS 84	126,33	312	1230 P 65 84	507,62	295	1239 Q 65 84	484,44	299	1249 Z 84	224,84	316
1221 P 44 84	200,12	293	1230 P 84	302,79	295	1239 Q 84	284,72	299	1250 84	247,23	316
1221 P 65 84	401,55	293	1230 Q 44 84	411,31	295	1239 Z 84	200,62	298	1250 P 44 84	408,00	317
1221 P 84	206,45	293	1230 Q 65 84	509,94	295	1240 84	241,57	298	1250 P 65 84	308,07	317
1221 Q 44 84	296,87	293	1230 Q 84	303,26	295	1240 P 44 84	354,76	299	1250 Q 44 84	409,01	317
1221 Q 65 84	406,52	293	1230 Z 84	281,86	294	1240 P 65 84	484,34	299	1250 Q 65 84	308,17	317
1221 Q 84	207,67	293	1231 84	182,31	294	1240 P 84	282,58	299	1250 Z 84	281,60	316
1221 Z 84	159,27	292	1231 P 44 84	311,00	295	1240 Q 44 84	308,02	299	1251 84	247,23	316
1222 84	124,25	292	1231 P 65 84	412,89	295	1240 Q 65 84	484,44	299	1251 P 44 84	408,00	317
1222 NS 84	124,25	312	1231 P 84	223,38	295	1240 Q 84	284,72	299	1251 P 65 84	308,07	317
1222 P 44 84	216,42	293	1231 Q 44 84	305,65	295	1240 Z 84	200,62	298	1251 Q 44 84	409,01	317
1222 P 65 84	354,77	293	1231 Q 65 84	412,94	295	1241 84	151,87	314	1251 Q 65 84	308,17	317
1222 P 84	183,06	293	1231 Q 84	234,10	295	1241 P 44 84	237,00	315	1251 Z 84	291,69	316
1222 Q 44 84	281,50	293	1231 Z 84	197,48	294	1241 P 65 84	326,30	315	1252 01 09 86	304,40	334
1222 Q 65 84	381,81	293	1232 84	234,58	294	1241 P 84	168,50	315	1252 52 09 86	318,20	334
1222 Q 84	183,97	292	1232 P 44 84	427,48	295	1241 Q 44 84	239,18	315	1252 84	201,00	318
1222 Z 84	145,67	292	1232 P 65 84	518,24	295	1241 Q 65 84	327,84	315	1252 90 09 86	318,20	334
1223 84	126,33	292	1232 P 84	329,01	295	1241 Q 84	189,74	315	1252 P 44 84	302,71	319
1223 NS 84	126,33	312	1232 Q 44 84	435,14	295	1241 Z 84	178,32	314	1252 P 65 84	411,74	319
1223 P 44 84	290,12	293	1232 Q 65 84	518,27	295	1242 84	151,87	314	1252 P 84	229,84	319
1223 P 65 84	401,65	293	1232 Q 84	330,33	295	1242 P 44 84	237,00	315	1252 Q 44 84	322,73	319
1223 P 84	206,45	293	1232 Z 84	296,57	294	1242 P 65 84	326,30	315	1252 Q 65 84	411,79	319
1223 Q 44 84	296,87	293	1233 84	181,08	298	1242 P 84	168,50	315	1252 Q 84	229,87	319
1223 Q 65 84	406,78	292	1233 P 44 84	255,27	297	1242 Q 44 84	239,18	315	1252 Z 84	241,12	318
1223 Q 84	207,67	293	1233 P 65 84	348,86	297	1242 Q 65 84	327,84	315	1253 84	201,00	318
1223 Z 84	159,27	292	1233 P 84	232,32	297	1242 Q 84	189,74	315	1253 P 44 84	302,71	319
1224 84	124,25	292	1233 Q 44 84	286,50	297	1242 Z 84	178,32	314	1253 P 65 84	411,74	319
1224 NS 84	124,25	312	1233 Q 65 84	348,86	297	1243 84	175,13	314	1253 P 84	229,84	319
1224 P 44 84	206,42	293	1233 Q 84	234,67	297	1243 P 44 84	327,02	315	1253 Q 44 84	322,73	319
1224 P 65 84	354,77	293	1233 Z 84	182,75	296	1243 P 65 84	445,27	315	1253 Q 65 84	411,79	319

Ref.	€	Flag	Ref.	€	Flag	Ref.	€	Flag	Ref.	€	Flag
1253 Q 84	209,87	319	1262 P 84 MP	130,80	301	1265 Q 65 84 MF	219,65	300	1269 84 MP	130,43	309
1253 Z 84	241,12	318	1262 P 84 MI	130,80	301	1265 Q 65 84 MI	219,65	300	1269 84 MI	130,43	309
1254 84	296,80	318	1262 P 84 MF	130,80	301	1265 Q 65 84 MP	219,65	303	1269 84 MF	130,43	309
1254 P 44 84	476,78	319	1262 Q 44 84 MF	142,99	302	1265 Q 84 MP	154,90	301	1269 P 44 84 MF	213,99	310
1254 P 65 84	648,24	319	1262 Q 44 84 MI	142,99	302	1265 Q 84 MI	154,90	301	1269 P 44 84 MI	213,99	310
1254 P 84	361,73	319	1262 Q 44 84 MP	142,99	302	1265 Q 84 MF	154,90	301	1269 P 44 84 MP	213,99	310
1254 Q 44 84	476,80	319	1262 Q 65 84 MF	197,75	300	1266 84 MP	141,84	300	1269 P 65 84 MI	290,18	311
1254 Q 65 84	648,29	319	1262 Q 65 84 MI	197,75	300	1266 84 MI	141,84	300	1269 P 65 84 MP	290,18	311
1254 Q 84	361,77	319	1262 Q 65 84 MP	197,75	303	1266 84 MF	141,84	300	1269 P 65 84 MP	290,18	311
1254 Z 84	353,08	318	1262 Q 84 MP	130,82	301	1266 NS 84 MP	141,84	313	1269 P 84 MP	154,12	309
1255 84	296,80	318	1262 Q 84 MI	130,82	301	1266 NS 84 MI	141,84	313	1269 P 84 MI	154,12	309
1255 P 44 84	476,78	319	1262 Q 84 MF	130,82	301	1266 NS 84 MF	141,84	313	1269 P 84 MF	154,12	309
1255 P 65 84	648,24	319	1263 84 MP	130,28	300	1266 P 44 84 MF	201,58	302	1269 Q 44 84 MF	214,00	310
1255 P 84	361,73	319	1263 84 MI	130,28	300	1266 P 44 84 MI	201,58	300	1269 Q 44 84 MI	214,00	310
1255 Q 44 84	476,80	319	1263 84 MF	130,28	300	1266 P 44 84 MP	201,58	302	1269 Q 44 84 MP	214,00	310
1255 Q 65 84	648,29	319	1263 NS 84 MP	130,09	313	1266 P 65 84 MF	209,56	303	1269 Q 65 84 MF	290,20	311
1255 Q 84	361,77	319	1263 NS 84 MI	130,09	313	1266 P 65 84 MI	209,56	300	1269 Q 65 84 MI	290,20	311
1255 Z 84	353,08	318	1263 NS 84 MF	130,09	313	1266 P 65 84 MP	209,56	303	1269 Q 65 84 MP	290,20	311
1260 84 MP	117,22	300	1263 P 44 84 MF	191,05	302	1266 P 84 MP	169,54	301	1269 Q 84 MP	154,14	309
1260 84 MI	117,22	300	1263 P 44 84 MI	191,05	302	1266 P 84 MI	169,54	301	1269 Q 84 MI	154,14	309
1260 84 MF	117,22	300	1263 P 44 84 MP	191,05	302	1266 P 84 MF	169,54	301	1269 Q 84 MF	154,14	309
1260 NS 84 MP	117,22	313	1263 P 65 84 MF	219,98	303	1266 Q 44 84 MF	202,63	302	1270 84 MP	147,47	308
1260 NS 84 MI	117,22	313	1263 P 65 84 MI	219,98	303	1266 Q 44 84 MI	202,63	302	1270 84 MI	147,47	308
1260 NS 84 MF	117,22	313	1263 P 65 84 MP	219,98	303	1266 Q 44 84 MP	202,63	302	1270 84 MF	147,47	308
1260 P 44 84 MF	145,03	302	1263 P 84 MP	155,12	301	1266 Q 65 84 MF	209,57	303	1270 P 44 84 MF	261,04	310
1260 P 44 84 MI	145,03	302	1263 P 84 MI	155,12	301	1266 Q 65 84 MI	209,57	300	1270 P 44 84 MI	261,04	310
1260 P 44 84 MP	145,03	302	1263 P 84 MF	155,12	301	1266 Q 65 84 MP	209,57	303	1270 P 44 84 MP	261,04	310
1260 P 65 84 MF	197,73	300	1263 Q 44 84 MF	192,12	302	1266 Q 84 MP	169,55	301	1270 P 65 84 MF	354,25	311
1260 P 65 84 MI	197,73	300	1263 Q 44 84 MI	192,12	302	1266 Q 84 MI	169,55	301	1270 P 65 84 MI	354,25	311
1260 P 65 84 MP	197,73	300	1263 Q 44 84 MP	192,12	302	1266 Q 84 MF	169,55	301	1270 P 65 84 MP	354,25	311
1260 P 84 MP	139,80	301	1263 Q 65 84 MF	220,00	300	1267 84 MP	130,34	300	1270 P 84 MP	188,67	309
1260 P 84 MI	139,80	301	1263 Q 65 84 MI	220,00	300	1267 84 MI	130,34	300	1270 P 84 MI	188,67	309
1260 P 84 MF	139,80	301	1263 Q 65 84 MP	220,00	303	1267 84 MF	130,34	300	1270 P 84 MF	188,67	309
1260 Q 44 84 MF	146,08	302	1263 Q 84 MP	155,15	301	1267 NS 84 MP	130,33	313	1270 Q 44 84 MF	261,05	310
1260 Q 44 84 MI	146,08	302	1263 Q 84 MI	155,15	301	1267 NS 84 MI	130,33	313	1270 Q 44 84 MI	261,05	310
1260 Q 44 84 MP	146,08	302	1263 Q 84 MF	155,15	301	1267 NS 84 MF	130,33	313	1270 Q 44 84 MP	261,05	310
1260 Q 65 84 MF	197,75	300	1264 84 MP	141,71	300	1267 P 44 84 MF	191,11	302	1270 Q 65 84 MF	354,22	311
1260 Q 65 84 MI	197,75	300	1264 84 MI	141,71	300	1267 P 44 84 MI	191,11	300	1270 Q 65 84 MI	354,22	311
1260 Q 65 84 MP	197,75	300	1264 84 MF	141,71	300	1267 P 44 84 MP	191,11	302	1270 Q 65 84 MP	354,22	311
1260 Q 84 MP	139,82	301	1264 NS 84 MP	141,71	313	1267 P 65 84 MF	200,05	303	1270 Q 84 MP	188,69	309
1260 Q 84 MI	139,82	301	1264 NS 84 MI	141,71	313	1267 P 65 84 MI	200,05	300	1270 Q 84 MI	188,69	309
1260 Q 84 MF	139,82	301	1264 NS 84 MF	141,71	313	1267 P 65 84 MP	200,05	303	1270 Q 84 MF	188,69	309
1261 84 MP	130,09	300	1264 P 44 84 MF	201,45	302	1267 P 84 MP	155,18	301	1271 84 MP	130,43	309
1261 84 MI	130,09	300	1264 P 44 84 MI	201,45	302	1267 P 84 MI	155,18	301	1271 84 MI	130,43	309
1261 84 MF	130,09	300	1264 P 44 84 MP	201,45	302	1267 P 84 MF	155,18	301	1271 84 MF	130,43	309
1261 NS 84 MP	130,09	313	1264 P 65 84 MF	209,42	303	1267 Q 44 84 MF	190,18	302	1271 P 44 84 MF	213,99	310
1261 NS 84 MI	130,09	313	1264 P 65 84 MI	209,42	303	1267 Q 44 84 MI	190,18	302	1271 P 44 84 MI	213,99	310
1261 NS 84 MF	130,09	313	1264 P 65 84 MP	209,42	303	1267 Q 44 84 MP	190,18	302	1271 P 44 84 MP	213,99	310
1261 P 44 84 MF	172,32	302	1264 P 84 MP	169,41	301	1267 Q 65 84 MF	200,06	303	1271 P 65 84 MF	290,18	311
1261 P 44 84 MI	172,32	302	1264 P 84 MI	169,41	301	1267 Q 65 84 MI	200,06	300	1271 P 65 84 MI	290,18	311
1261 P 44 84 MP	172,32	302	1264 P 84 MF	169,41	301	1267 Q 65 84 MP	200,06	303	1271 P 65 84 MP	290,18	311
1261 P 65 84 MF	219,61	303	1264 Q 44 84 MF	202,63	302	1267 Q 84 MP	155,20	301	1271 P 84 MP	154,12	309
1261 P 65 84 MI	219,61	303	1264 Q 44 84 MI	202,63	302	1267 Q 84 MI	155,20	301	1271 P 84 MI	154,12	309
1261 P 65 84 MP	219,61	303	1264 Q 44 84 MP	202,63	302	1267 Q 84 MF	155,20	301	1271 P 84 MF	154,12	309
1261 P 84 MP	154,86	301	1264 Q 65 84 MF	230,44	303	1268 84 MP	148,18	300	1271 Q 44 84 MF	214,00	310
1261 P 84 MI	154,86	301	1264 Q 65 84 MI	230,44	303	1268 84 MI	148,18	300	1271 Q 44 84 MI	214,00	310
1261 P 84 MF	154,86	301	1264 Q 65 84 MP	230,44	303	1268 84 MF	148,18	300	1271 Q 44 84 MP	214,00	310
1261 Q 44 84 MF	173,38	302	1264 Q 84 MP	169,44	301	1268 NS 84 MP	148,17	313	1271 Q 65 84 MF	290,20	311
1261 Q 44 84 MI	173,38	302	1264 Q 84 MI	169,44	301	1268 NS 84 MI	148,17	313	1271 Q 65 84 MI	290,20	311
1261 Q 44 84 MP	173,38	302	1264 Q 84 MF	169,44	301	1268 NS 84 MF	148,17	313	1271 Q 65 84 MP	290,20	311
1261 Q 65 84 MF	219,63	303	1265 84 MP	130,09	300	1268 P 44 84 MF	206,88	302	1271 Q 84 MP	154,14	309
1261 Q 65 84 MI	219,63	303	1265 84 MI	130,09	300	1268 P 44 84 MI	206,88	300	1271 Q 84 MI	154,14	309
1261 Q 65 84 MP	219,63	303	1265 84 MF	130,09	300	1268 P 44 84 MP	206,88	302	1271 Q 84 MF	154,14	309
1261 Q 84 MP	154,86	301	1265 NS 84 MP	130,09	313	1268 P 65 84 MF	250,37	303	1272 84 MP	150,65	308
1261 Q 84 MI	154,86	301	1265 NS 84 MI	130,09	313	1268 P 65 84 MI	250,37	300	1272 84 MI	150,65	308
1261 Q 84 MF	154,86	301	1265 NS 84 MF	130,09	313	1268 P 65 84 MP	250,37	303	1272 84 MF	150,65	308
1262 84 MP	117,21	300	1265 P 44 84 MF	172,32	302	1268 P 84 MP	176,43	301	1272 P 44 84 MF	294,51	310
1262 84 MI	117,21	300	1265 P 44 84 MI	172,32	302	1268 P 84 MI	176,43	301	1272 P 44 84 MI	294,51	310
1262 84 MF	117,21	300	1265 P 44 84 MP	172,32	302	1268 P 84 MF	176,43	301	1272 P 44 84 MP	294,51	310
1262 NS 84 MP	117,22	313	1265 P 65 84 MF	219,64	303	1268 Q 44 84 MF	207,93	302	1272 P 65 84 MF	399,72	311
1262 NS 84 MI	117,22	313	1265 P 65 84 MI	219,64	303	1268 Q 44 84 MI	207,93	302	1272 P 65 84 MI	399,72	311
1262 NS 84 MF	117,22	313	1265 P 65 84 MP	219,64	303	1268 Q 44 84 MP	207,93	302	1272 P 65 84 MP	399,72	311
1262 P 44 84 MF	141,94	302	1265 P 84 MP	154,86	301	1268 Q 65 84 MF	257,91	303	1272 P 84 MP	212,36	309
1262 P 44 84 MI	141,94	302	1265 P 84 MI	154,86	301	1268 Q 65 84 MI	250,40	300	1272 P 84 MI	212,36	309
1262 P 44 84 MP	141,94	302	1265 P 84 MF	154,86	301	1268 Q 65 84 MP	250,40	303	1272 P 84 MF	212,36	309
1262 P 65 84 MF	197,73	300	1265 Q 44 84 MF	173,38	302	1268 Q 84 MP	176,47	301	1272 Q 44 84 MF	294,53	310
1262 P 65 84 MI	197,73	300	1265 Q 44 84 MI	173,38	302	1268 Q 84 MI	176,47	301	1272 Q 44 84 MI	294,53	310
1262 P 65 84 MP	197,73	300	1265 Q 44 84 MP	173,38	302	1268 Q 84 MF	176,47	301	1272 Q 44 84 MP	294,53	310

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
1272 Q 65 84 MF	399,74	311	1276 P 84 MP	212,05	309	1305 B 336 84	136,08	296	1305 Q 44 236 84	169,20	297
1272 Q 65 84 MI	399,74	311	1276 P 84 MI	212,05	309	1305 B 400 52 85	379,90	305	1305 Q 44 258 84	216,14	297
1272 Q 65 84 MP	399,74	311	1276 P 84 MF	212,05	309	1305 B 400 85	369,28	299	1305 Q 44 309 85	399,00	299
1272 Q 84 MP	212,05	309	1276 Q 44 84 MF	294,14	310	1305 B 400 85	369,28	305	1305 Q 44 315 85	576,10	298
1272 Q 84 MI	212,05	309	1276 Q 44 84 MI	294,14	310	1305 B 400 90 85	379,90	305	1305 Q 44 318 84	152,23	297
1272 Q 84 MF	212,05	309	1276 Q 44 84 MP	294,14	310	1305 B 415 85	572,05	298	1305 Q 44 336 84	202,17	297
1273 84 MP	209,29	309	1276 Q 65 84 MF	399,22	311	1305 B 418 84	92,62	298	1305 Q 44 409 85	434,90	298
1273 84 MI	209,29	309	1276 Q 65 84 MI	399,22	311	1305 B 436 84	147,85	296	1305 Q 44 415 85	689,50	298
1273 84 MF	209,29	309	1276 Q 65 84 MP	399,22	311	1305 P 44 109 85	190,00	298	1305 Q 44 418 84	156,33	297
1273 P 44 84 MF	360,30	310	1276 Q 84 MP	212,05	309	1305 P 44 115 85	260,29	298	1305 Q 44 436 84	260,05	297
1273 P 44 84 MI	360,30	310	1276 Q 84 MI	212,05	309	1305 P 44 118 84	111,96	297	1305 Q 65 109 85	218,90	299
1273 P 44 84 MP	360,30	310	1276 Q 84 MF	212,05	309	1305 P 44 119 85	303,43	298	1305 Q 65 115 85	311,10	298
1273 P 65 84 MF	442,66	311	1277 84 MP	200,33	308	1305 P 44 136 84	154,19	297	1305 Q 65 118 84	147,19	297
1273 P 65 84 MI	442,66	311	1277 84 MI	200,33	308	1305 P 44 158 84	174,33	297	1305 Q 65 119 85	379,80	298
1273 P 65 84 MP	442,66	311	1277 84 MF	200,33	308	1305 P 44 209 85	243,01	298	1305 Q 65 136 84	202,81	297
1273 P 84 MP	259,65	309	1277 P 44 84 MF	360,36	310	1305 P 44 215 85	379,41	298	1305 Q 65 158 84	226,51	297
1273 P 84 MI	259,65	309	1277 P 44 84 MI	360,36	310	1305 P 44 218 84	106,81	297	1305 Q 65 209 85	383,80	298
1273 P 84 MF	259,65	309	1277 P 44 84 MP	360,36	310	1305 P 44 219 85	514,29	298	1305 Q 65 215 85	406,10	298
1273 Q 44 84 MF	360,32	310	1277 P 65 84 MF	500,09	311	1305 P 44 236 84	169,21	297	1305 Q 65 218 84	144,41	297
1273 Q 44 84 MI	360,32	310	1277 P 65 84 MI	500,09	311	1305 P 44 258 84	216,09	297	1305 Q 65 219 85	581,10	298
1273 Q 44 84 MP	360,32	310	1277 P 65 84 MP	500,09	311	1305 P 44 309 85	396,44	298	1305 Q 65 236 84	241,25	297
1273 Q 65 84 MF	442,66	311	1277 P 84 MP	290,80	309	1305 P 44 315 85	670,44	298	1305 Q 65 258 84	279,05	297
1273 Q 65 84 MI	442,66	311	1277 P 84 MI	290,80	309	1305 P 44 318 84	152,14	297	1305 Q 65 309 85	406,46	298
1273 Q 65 84 MP	442,66	311	1277 P 84 MF	290,80	309	1305 P 44 336 84	202,14	297	1305 Q 65 315 85	649,20	298
1273 Q 84 MP	259,67	309	1277 Q 44 84 MF	360,36	310	1305 P 44 409 85	430,71	298	1305 Q 65 318 84	199,84	297
1273 Q 84 MI	259,67	309	1277 Q 44 84 MI	360,36	310	1305 P 44 415 85	680,43	298	1305 Q 65 336 84	327,15	297
1273 Q 84 MF	259,67	309	1277 Q 44 84 MP	360,36	310	1305 P 44 418 84	166,21	297	1305 Q 65 409 85	483,22	298
1274 84 MP	195,69	308	1277 Q 65 84 MF	500,11	311	1305 P 44 436 84	262,03	297	1305 Q 65 415 85	773,10	298
1274 84 MI	195,69	308	1277 Q 65 84 MI	500,11	311	1305 P 65 109 85	215,18	298	1305 Q 65 418 84	207,15	297
1274 84 MF	195,69	308	1277 Q 65 84 MP	500,11	311	1305 P 65 115 85	306,80	298	1305 Q 65 436 84	343,10	297
1274 P 44 84 MF	271,20	310	1277 Q 84 MP	290,82	309	1305 P 65 118 84	147,08	297	1305 Q 109 85	160,90	298
1274 P 44 84 MI	271,20	310	1277 Q 84 MI	290,82	309	1305 P 65 119 85	377,50	298	1305 Q 115 85	300,90	298
1274 P 44 84 MP	271,20	310	1277 Q 84 MF	290,82	309	1305 P 65 136 84	302,70	297	1305 Q 118 84	91,88	297
1274 P 65 84 MF	368,15	311	1300 136 84	97,18	309	1305 P 65 158 84	226,40	297	1305 Q 119 85	284,60	298
1274 P 65 84 MI	368,15	311	1300 155 84	100,26	309	1305 P 65 209 85	290,50	298	1305 Q 136 84	122,26	297
1274 P 65 84 MP	368,15	311	1300 236 84	108,90	309	1305 P 65 215 85	453,43	298	1305 Q 158 84	131,48	297
1274 P 84 MP	195,65	309	1300 255 84	111,99	309	1305 P 65 218 84	144,30	297	1305 Q 209 85	224,10	298
1274 P 84 MI	195,65	309	1301 236 84	108,90	309	1305 P 65 219 85	677,22	298	1305 Q 215 85	346,20	298
1274 P 84 MF	195,65	309	1301 255 84	111,99	309	1305 P 65 236 84	241,23	297	1305 Q 218 84	85,41	297
1274 Q 44 84 MF	271,21	310	1302 136 84	120,61	302	1305 P 65 258 84	279,02	297	1305 Q 219 85	477,10	298
1274 Q 44 84 MI	271,21	310	1302 155 84	122,57	302	1305 P 65 309 85	404,22	298	1305 Q 236 84	130,08	297
1274 Q 44 84 MP	271,21	310	1302 236 84	133,25	302	1305 P 65 315 85	645,22	298	1305 Q 258 84	174,48	297
1274 Q 65 84 MF	368,17	311	1302 255 84	137,11	302	1305 P 65 318 84	199,82	297	1305 Q 309 85	325,84	298
1274 Q 65 84 MI	368,17	311	1305 A 109 85	140,20	298	1305 P 65 336 84	327,13	297	1305 Q 315 85	523,88	298
1274 Q 65 84 MP	368,17	311	1305 A 115 85	193,90	298	1305 P 65 409 85	479,64	298	1305 Q 318 84	122,67	297
1274 Q 84 MP	195,68	309	1305 A 118 84	71,17	298	1305 P 65 415 85	767,29	298	1305 Q 336 84	306,50	297
1274 Q 84 MI	195,68	309	1305 A 119 85	248,80	298	1305 P 65 418 84	207,14	297	1305 Q 400 85	388,19	298
1274 Q 84 MF	195,68	309	1305 A 136 84	85,40	296	1305 P 65 436 84	342,89	297	1305 Q 415 85	644,90	298
1275 84 MP	209,29	308	1305 A 158 84	96,31	296	1305 P 109 85	158,05	298	1305 Q 418 84	127,83	297
1275 84 MI	209,29	308	1305 A 209 85	205,10	299	1305 P 115 85	227,02	298	1305 Q 436 84	216,51	297
1275 84 MF	209,29	308	1305 A 215 85	204,60	298	1305 P 118 84	90,65	297	1305 Z 109 85	161,76	298
1275 P 44 84 MF	360,30	310	1305 A 218 84	67,36	298	1305 P 119 85	279,45	298	1305 Z 115 85	217,55	298
1275 P 44 84 MI	360,30	310	1305 A 219 85	407,20	298	1305 P 136 84	120,92	297	1305 Z 118 84	93,68	296
1275 P 44 84 MP	360,30	310	1305 A 236 84	80,44	296	1305 P 158 84	130,55	297	1305 Z 119 85	275,89	298
1275 P 65 84 MF	442,66	311	1305 A 258 84	105,32	296	1305 P 209 85	220,68	298	1305 Z 136 84	111,45	296
1275 P 65 84 MI	442,66	311	1305 A 309 85	295,10	299	1305 P 215 85	341,16	298	1305 Z 158 84	126,79	296
1275 P 65 84 MP	442,66	311	1305 A 315 85	481,20	298	1305 P 218 84	84,36	297	1305 Z 209 85	221,38	298
1275 P 84 MP	259,65	309	1305 A 318 84	86,42	296	1305 P 219 85	471,55	298	1305 Z 215 85	317,36	298
1275 P 84 MI	259,65	309	1305 A 336 84	137,30	296	1305 P 236 84	126,96	297	1305 Z 218 84	85,16	296
1275 P 84 MF	259,65	309	1305 A 409 85	388,10	298	1305 P 258 84	173,35	297	1305 Z 219 85	433,75	298
1275 Q 44 84 MF	360,32	310	1305 A 415 85	577,80	298	1305 P 309 85	325,84	298	1305 Z 236 84	105,16	296
1275 Q 44 84 MI	360,32	310	1305 A 418 84	94,55	296	1305 P 315 85	523,88	298	1305 Z 258 84	126,55	296
1275 Q 44 84 MP	360,32	310	1305 A 436 84	148,42	296	1305 P 318 84	121,54	297	1305 Z 309 85	314,10	298
1275 Q 65 84 MF	442,68	311	1305 B 109 85	138,86	298	1305 P 336 84	205,08	297	1305 Z 315 85	496,80	298
1275 Q 65 84 MI	442,68	311	1305 B 115 85	121,17	298	1305 P 409 85	303,19	298	1305 Z 318 84	109,80	296
1275 Q 65 84 MP	442,68	311	1305 B 118 84	70,78	298	1305 P 415 85	609,77	298	1305 Z 336 84	178,50	296
1275 Q 84 MP	259,67	309	1305 B 119 85	240,49	298	1305 P 418 84	126,79	297	1305 Z 409 85	384,29	298
1275 Q 84 MI	259,67	309	1305 B 136 84	85,07	298	1305 P 436 84	215,27	297	1305 Z 415 85	616,60	298
1275 Q 84 MF	259,67	309	1305 B 158 84	97,39	296	1305 Q 44 109 85	181,80	298	1305 Z 418 84	119,89	296
1276 84 MP	153,35	308	1305 B 209 85	202,24	298	1305 Q 44 115 85	262,60	298	1305 Z 436 84	192,20	296
1276 84 MI	153,35	308	1305 B 215 85	291,13	298	1305 Q 44 118 84	112,04	297	1306 136 84	131,84	309
1276 84 MF	153,35	308	1305 B 218 84	60,14	296	1305 Q 44 119 85	325,90	298	1306 155 84	134,10	309
1276 P 44 84 MF	294,13	310	1305 B 219 85	402,54	298	1305 Q 44 136 84	154,21	297	1306 236 84	143,86	309
1276 P 44 84 MI	294,13	310	1305 B 236 84	79,90	299	1305 Q 44 158 84	174,37	297	1306 255 84	145,74	309
1276 P 44 84 MP	294,13	310	1305 B 258 84	104,24	296	1305 Q 44 209 85	246,10	298	1307 236 84	143,68	311
1276 P 65 84 MF	399,20	311	1305 B 309 85	295,07	298	1305 Q 44 215 85	379,41	298	1307 255 84	145,74	311
1276 P 65 84 MI	399,20	311	1305 B 315 85	454,38	298	1305 Q 44 218 84	106,83	297	1308 136 84	164,50	310
1276 P 65 84 MP	399,20	311	1305 B 318 84	84,77	296	1305 Q 44 219 85	617,10	298	1308 155 84	167,63	310

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
1308 236 84	179,00	333	1507 02 224	503,84	344	2002 12 35	890,80	429	3001 01 17 85	180,20	182
1308 255 84	182,17	333	1507 90 214	523,56	344	2002 13 30	890,20	429	3001 02 17 85	184,05	182
1400			1507 90 224	533,89	344	2002 13 35	890,80	429	3001 52 17 85	184,05	182
1448 01 13 84	47,38	178	1507 L 01 214	920,04	344	2003 01 13	194,00	428	3001 90 17 85	184,05	182
1448 05 13 84	51,52	178	1507 L 01 224	926,04	344	2003 01 15	319,00	428	3002 01 25 85	191,58	183
1448 52 13 84	51,52	178	1507 L 02 214	954,47	344	2003 09 13	213,45	428	3002 02 25 85	195,59	183
1448 90 13 84	51,52	178	1507 L 02 224	954,47	344	2003 09 15	319,00	428	3002 52 25 85	195,59	183
1449 01 18 84	47,40	178	1507 L 90 214	954,47	344	2003 12 13	213,45	428	3002 90 25 85	195,59	183
1449 05 18 84	51,54	178	1507 L 90 224	954,47	344	2003 12 15	319,00	428	3003 01 29 85	199,00	184
1449 52 18 84	51,54	178	1508 01 114	470,40	345	2003 13 13	213,45	428	3003 01 30 83	227,22	184
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1450 01 26 84	48,45	178	1508 02 114	470,42	345	2005 01 83	116,10	63	3003 02 30 83	203,30	184
1450 05 26 84	51,55	178	1508 02 124	480,72	345	2005 01 86	117,20	63	3003 52 29 85	214,80	184
1450 52 26 84	51,55	178	1508 90 114	470,44	345	2006 01 83	174,60	63	3003 52 30 83	223,30	184
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1500 01	272,64	340	1508 L 01 214	651,88	345	2007 01 83	276,40	63	3003 90 30 83	223,30	184
1500 02	272,74	340	1508 L 01 224	651,88	345	2007 01 86	277,90	63	3010 01 14 84	274,17	186
1500 90	272,84	340	1508 L 02 214	671,44	345	2008 01	176,20	63	3010 02 14 84	282,70	186
1500 L 01	575,10	340	1508 L 02 224	671,44	345	2009 01	278,30	63	3010 52 14 84	282,70	186
1500 L 01 03	430,48	340	1508 L 90 214	671,44	345	2012 01 83	145,72	419	3010 90 14 84	282,70	186
1500 L 02	592,37	340	1508 L 90 224	671,44	345	2012 01 86	145,72	419	3011 01 16 83	280,35	186
1500 L 02 03	443,40	340	1509 01 314	480,84	347	2013 01 83	198,50	419	3011 02 16 83	280,35	186
1500 L 90	592,37	340	1509 01 324	493,14	347	2013 01 86	198,50	419	3011 52 16 83	280,35	186
1500 L 90 03	443,40	340	1509 02 314	497,34	347	2014 01 83	203,44	419	3011 90 16 83	280,35	186
1501 01 114	345,99	341	1509 02 324	507,95	347	2014 01 86	203,44	419	3012 01 26 84	297,55	186
1501 01 124	356,00	341	1509 90 314	487,34	347	2015 01	213,70	419	3012 01 29 83	304,79	186
1501 02 114	345,61	341	1509 90 324	507,95	347	2016 01	325,34	419	3012 02 26 84	306,36	186
1501 02 124	356,88	341	1510 L 01 114	379,61	341	2017 01 83	175,00	63	3012 02 29 83	313,80	186
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1501 L 02 114	423,00	341	1510 L 90 124	391,00	341	2023	2,67	64	3013 01 50 83	479,75	186
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1501 L 90 124	423,00	341	1511 L 02 114	484,57	343	2026	7,54	428	3013 02 50 84	475,00	186
1502 01 114	378,83	343	1511 L 02 124	484,57	343	2027	7,51	428	3013 52 50 83	484,14	186
1502 01 124	389,13	343	1511 L 90 114	484,57	343	2029	9,62	428	3013 52 50 84	475,00	186
1502 02 114	378,86	343	1511 L 90 124	484,57	343	2050	37,66	64	3013 90 50 83	484,14	186
1502 02 124	389,15	343	1512 L 01 114	606,15	342	2051	60,26	64	3013 90 50 84	475,00	186
1502 90 114	378,87	343	1512 L 01 124	606,15	342	2052	66,44	64	3020 01 86	185,21	66
1502 90 124	389,17	343	1512 L 02 114	623,28	342	2053	60,04	64	3020 02 86	185,21	66
1502 L 01 114	615,05	343	1512 L 02 124	623,28	342	2060	102,79	66	3020 45 86	183,56	66
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1502 L 02 114	633,52	343	1512 L 90 124	623,28	342	2061	125,76	65	3020 66 86	183,56	66
1502 L 02 124	633,52	343	1513 L 01 214	833,33	344	2061	125,76	429	3020 70 86	183,56	66
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1503 01 214	294,82	346	1513 L 02 224	858,33	344	2082	139,25	428	3021 01 86	255,54	66
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1503 02 224	303,66	346	1514 L 01 214	606,22	365	2085	60,36	64	3021 52 86	255,54	66
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1505 02	429,93	340	1514 L 90 214	623,38	365	2088	8,29	429	3021 91 86	268,31	66
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1505 L 02 03	841,02	340	2000 09 15	287,16	426	2100 09 13	171,62	426	3022 66 86	352,67	66
1505 L 90	953,48	340	2000 12 13	133,12	426	2100 09 15	328,66	426	3022 70 86	352,67	66
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1506 01 114	470,40	342	2000 13 13	133,12	426	2100 12 15	328,66	426	3022 91 86	352,67	66
1506 01 124	480,70	342	2000 13 15	287,16	426	2100 13 13	171,62	426	3024 01 86	188,08	66
1506 02 114	470,42	342	2001 01 13	130,98	427	2100 13 15	328,66	426	3024 02 86	198,08	66
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1506 90 114	470,44	342	2001 09 13	148,32	427	2101 01 15	219,40	426	3024 52 86	198,08	66
1506 90 124	480,74	342	2001 09 20	290,31	427	2101 09 13	164,60	426	3024 66 86	207,98	66
1506 L 01 114	651,79	342	2001 12 13	148,32	427	2101 09 15	219,40	426	3024 70 86	207,98	66
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1506 L 02 114	671,24	342	2001 13 13	148,32	427	2101 12 15	219,40	426	3024 91 86	207,98	66
1506 L 02 124	671,24	342	2001 13 20	290,31	427	2101 13 13	164,60	426	3025 01 86	268,41	66
1506 L 90 114	671,24	342	2002 01 30	880,20	429	2101 13 15	219,40	426	3025 02 86	266,47	66
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Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
3025 90 86	295,41	66	3068 01 60 45	175,51	18	3069 R 01 70	378,11	232	3100 135	18,80	363
3025 91 86	291,83	66	3068 01 75 45	175,57	18	3069 R 02 35	382,02	232	3100 214	15,90	363
3026 01 86	348,75	66	3068 02 10 45	179,82	18	3069 R 02 70	382,33	232	3100 221	17,80	363
3026 02 86	348,75	66	3068 02 35 24	173,30	18	3069 R 52 35	382,02	232	3100 228	18,90	363
3026 45 86	386,22	66	3068 02 50 45	173,30	18	3069 R 52 70	382,33	232	3100 235	19,90	363
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3044 02 30	785,10	107	3069 02 35 24	184,74	232	3081	41,80	469	3125 01	20,18	369
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3045 02 35	975,12	107	3069 52 50 45	184,76	232	3096 14 14 84	391,60	349	3130 01 1414	447,97	366
3045 12 35	975,12	107	3069 52 60 45	184,36	232	3096 14 21 84	410,45	349	3130 01 1424	498,57	366
3045 60 35	975,12	107	3069 52 75 45	191,33	232	3096 14 28 84	410,45	349	3130 01 1439	462,81	366
3045 70 35	975,12	107	3069 90 10 45	181,26	232	3096 14 35 84	410,45	349	3130 01 2414	471,86	366
3045 90 35	975,12	107	3069 90 35 24	184,74	232	3096 21 21 84	397,16	349	3130 01 2424	472,72	366
3060 83	12,75	470	3069 90 50 45	184,76	232	3096 21 28 84	410,45	349	3130 01 2439	473,69	366
3060 85	12,75	470	3069 90 60 45	184,36	232	3096 21 35 84	410,45	349	3130 52 1414	471,86	366
3060 86	12,75	470	3069 90 75 45	191,33	232	3096 28 28 84	397,16	349	3130 52 1424	483,46	366
3061 17 83	111,24	470	3069 G 01 15	228,60	233	3096 28 35 84	410,45	349	3130 52 1439	486,50	366
3061 17 84	111,24	470	3069 G 01 35	222,21	233	3096 35 35 84	397,06	349	3130 52 2414	496,57	366
3061 17 85	69,52	470	3069 G 01 70	224,70	233	3098 118	17,80	362	3130 52 2424	498,52	366
3061 25 83	154,34	470	3069 G 02 15	230,10	233	3098 136	18,80	362	3130 52 2439	497,59	366
3061 25 84	154,34	470	3069 G 02 35	228,20	233	3098 158	21,40	362	3131 01 1428	568,41	367
3061 25 85	88,63	470	3069 G 02 70	228,80	233	3098 218	17,80	362	3131 01 1454	568,63	367
3061 29 85	138,26	470	3069 G 52 15	233,10	233	3098 236	16,90	362	3131 01 2428	580,14	367
3061 30 83	138,26	470	3069 G 52 35	228,20	233	3098 258	21,40	362	3131 01 2454	605,22	367
3062 17 83	244,68	470	3069 G 52 70	228,80	233	3099 118	35,69	362	3131 52 1428	604,25	367
3062 19 84	252,97	470	3069 G 90 15	230,10	233	3099 136	38,80	362	3131 52 1454	606,12	367
3062 32 83	272,10	470	3069 G 90 35	228,20	233	3099 158	42,80	362	3131 52 2428	619,98	367
3062 36 84	279,05	470	3069 G 90 70	228,80	233	3099 218	38,80	362	3131 52 2454	616,00	367
3062 50 83	483,48	470	3069 L 01 12	310,13	233	3099 236	38,80	362	3132 01 1435	671,94	368
3062 50 84	482,88	470	3069 L 02 12	314,36	233	3099 258	42,80	362	3132 01 1449	674,20	368
3068 01 10 45	175,59	18	3069 L 52 12	314,35	233	3100 114	15,90	363	3132 01 2435	878,57	368
3068 01 35 24	168,98	18	3069 L 90 12	314,35	233	3100 121	17,80	363	3132 01 2449	878,51	368
3068 01 50 45	164,08	18	3069 R 01 35	377,70	232	3100 128	18,80	363	3132 52 1435	900,49	368

Ref.	€	Flag	Ref.	€	Flag	Ref.	€	Flag	Ref.	€	Flag
3132 52 1440	922,85	368	3173 52 38 86	400,89	339	3206 02 148	231,20	352	3206 P 02 228	213,80	355
3132 52 2435	924,79	368	3173 52 76 86	801,39	339	3206 02 154	202,20	352	3206 P 02 235	245,50	355
3132 52 2440	825,76	368	3173 90 19 86	215,75	339	3206 02 180	242,40	352	3206 P 02 239	180,35	355
3133 01 1407	527,83	368	3173 90 38 86	400,89	339	3206 02 214	206,90	354	3206 P 02 249	245,50	355
3133 01 2407	549,14	368	3173 90 76 86	801,39	339	3206 02 221	214,20	354	3206 P 02 254	213,80	355
3133 52 1407	551,73	368	3175 01 86	367,42	383	3206 02 224	209,70	354	3206 P 02 280	261,20	355
3133 52 2407	572,90	368	3175 02 86	367,42	383	3206 02 228	248,80	354	3206 P 52 114	162,40	353
3134 01 1410	667,44	367	3175 90 86	367,42	383	3206 02 235	280,50	354	3206 P 52 121	188,50	353
3134 01 2410	676,95	367	3179	12,41	482	3206 02 239	215,25	354	3206 P 52 124	164,40	353
3134 52 1410	703,71	367	3180	22,66	482	3206 02 249	280,50	354	3206 P 52 128	259,20	353
3134 52 2410	714,90	367	3181	94,50	482	3206 02 254	248,80	354	3206 P 52 135	231,20	353
3135 01 1421	1.054,80	368	3182 01 86	281,94	102	3206 02 280	296,20	354	3206 P 52 139	171,20	353
3135 01 2421	1.061,28	368	3182 02 86	286,83	152	3206 52 114	162,40	352	3206 P 52 148	231,20	353
3135 52 1421	1.103,47	368	3182 52 86	286,83	152	3206 52 121	168,50	352	3206 P 52 154	202,20	353
3135 52 2421	1.108,92	368	3182 90 86	286,83	152	3206 52 124	164,40	352	3206 P 52 180	242,40	353
3136 01 3655	226,46	365	3183 01 86	286,33	153	3206 52 128	202,20	352	3206 P 52 214	171,90	355
3142 72 83	58,20	470	3183 02 86	291,73	153	3206 52 135	231,20	352	3206 P 52 221	179,30	355
3142 72 85	58,20	470	3183 52 86	291,73	153	3206 52 139	171,20	352	3206 P 52 224	174,70	355
3142 72 86	58,20	470	3183 90 86	291,73	153	3206 52 148	231,20	352	3206 P 52 228	213,80	355
3145 83	55,90	472	3184	36,05	482	3206 52 154	202,20	352	3206 P 52 235	245,50	355
3145 85	55,90	472	3185	38,14	482	3206 52 180	242,40	352	3206 P 52 239	180,35	355
3145 86	55,90	472	3186	43,29	482	3206 52 214	206,90	354	3206 P 52 249	245,50	355
3147 83	62,80	472	3187	12,41	482	3206 52 221	214,20	354	3206 P 52 254	213,80	355
3147 85	62,80	472	3194 01 44 84	430,80	186	3206 52 224	209,70	354	3206 P 52 280	261,20	355
3147 86	62,80	472	3194 02 44 84	443,75	186	3206 52 228	248,80	354	3206 P 90 114	162,40	353
3149 83	90,80	472	3194 52 44 84	443,75	186	3206 52 235	280,50	354	3206 P 90 121	168,50	353
3149 85	90,80	472	3194 90 44 84	443,75	186	3206 52 239	215,25	354	3206 P 90 124	164,40	353
3149 86	90,80	472	3195 00 83	688,14	398	3206 52 249	280,50	354	3206 P 90 128	252,20	353
3151 83	99,80	472	3195 00 86	664,50	398	3206 52 254	248,80	354	3206 P 90 135	231,20	353
3151 85	99,80	472	3196 00 83	747,12	399	3206 52 280	296,20	354	3206 P 90 139	171,20	353
3151 86	99,80	472	3196 00 86	744,45	399	3206 90 114	162,40	352	3206 P 90 149	231,20	353
3159 30 83	265,40	473	3197 01 86	513,76	337	3206 90 121	168,50	352	3206 P 90 154	202,20	353
3159 30 85	265,40	473	3197 52 86	525,91	337	3206 90 124	164,40	352	3206 P 90 180	242,40	353
3159 30 86	265,40	473	3197 90 86	525,91	337	3206 90 128	202,20	352	3206 P 90 214	171,90	355
3159 36 83	299,80	473	3198 00 83	348,58	411	3206 90 135	231,20	352	3206 P 90 221	179,30	355
3159 36 85	299,80	473	3198 00 86	345,26	411	3206 90 139	171,20	352	3206 P 90 224	174,70	355
3159 36 86	299,80	473	3199 01 48 86	513,76	338	3206 90 149	231,20	352	3206 P 90 228	213,80	355
3159 42 83	340,60	473	3199 52 48 86	525,91	338	3206 90 154	202,20	352	3206 P 90 235	245,50	355
3159 42 85	340,60	473	3199 90 48 86	525,91	338	3206 90 180	242,40	352	3206 P 90 239	180,35	355
3159 42 86	340,60	473	3200	6,18	479	3206 90 214	206,90	354	3206 P 90 249	245,50	355
3163 09 83	73,90	473	3202 01	228,20	72	3206 90 221	214,20	354	3206 P 90 254	213,80	355
3163 09 85	73,90	473	3202 01 09	75,60	72	3206 90 224	209,70	354	3206 P 90 280	261,20	355
3163 09 86	73,90	473	3202 05	240,80	72	3206 90 228	248,80	354	3206 Q 01 114	168,57	353
3163 15 83	111,20	473	3202 05 09	79,80	72	3206 90 235	280,50	354	3206 Q 01 121	166,44	353
3163 15 85	111,20	473	3202 52	240,80	72	3206 90 239	215,25	354	3206 Q 01 124	161,49	353
3163 15 86	111,20	473	3202 52 09	79,80	72	3206 90 249	280,50	354	3206 Q 01 128	200,14	353
3163 20 83	154,90	473	3202 90	240,80	72	3206 90 254	248,80	354	3206 Q 01 135	229,87	353
3163 20 85	154,90	473	3202 90 09	79,80	72	3206 90 280	296,20	354	3206 Q 01 139	170,48	353
3163 20 86	154,90	473	3203 90 83	410,55	410	3206 P 01 114	157,16	353	3206 Q 01 149	229,87	353
3163 25 83	166,80	473	3203 90 86	411,48	410	3206 P 01 121	164,80	353	3206 Q 01 154	200,14	353
3163 25 85	166,80	473	3204 90 83	706,78	414	3206 P 01 124	169,90	353	3206 Q 01 180	239,18	353
3163 25 86	166,80	473	3204 90 86	710,49	414	3206 P 01 128	198,16	353	3206 Q 01 214	168,77	355
3163 32 83	192,20	473	3205 90 83	613,46	413	3206 P 01 135	227,69	353	3206 Q 01 221	175,94	355
3163 32 85	192,20	473	3205 90 86	616,76	413	3206 P 01 139	168,80	353	3206 Q 01 224	171,99	355
3163 32 86	192,20	473	3206 01 114	157,16	352	3206 P 01 149	227,69	353	3206 Q 01 228	210,78	355
3170 83	41,09	489	3206 01 121	184,80	352	3206 P 01 154	198,16	353	3206 Q 01 235	241,28	355
3170 86	41,09	489	3206 01 124	159,90	352	3206 P 01 180	296,80	353	3206 Q 01 239	177,00	355
3171 83	58,19	470	3206 01 128	198,16	352	3206 P 01 214	167,10	355	3206 Q 01 249	241,28	355
3171 86	58,19	470	3206 01 135	227,80	352	3206 P 01 221	174,20	355	3206 Q 01 254	210,48	355
3172 01 50 83	411,58	165	3206 01 139	188,80	352	3206 P 01 224	168,90	355	3206 Q 01 280	258,94	355
3172 01 50 84	410,76	165	3206 01 149	227,80	352	3206 P 01 228	206,70	355	3206 Q 02 114	164,02	353
3172 01 50 85	406,02	165	3206 01 154	198,16	352	3206 P 01 235	208,70	355	3206 Q 02 121	170,18	353
3172 02 50 83	432,14	165	3206 01 180	230,80	352	3206 P 01 239	175,25	355	3206 Q 02 124	166,04	353
3172 02 50 84	431,20	165	3206 01 214	202,10	354	3206 P 01 249	238,70	355	3206 Q 02 128	204,22	353
3172 02 50 85	426,32	165	3206 01 221	200,20	354	3206 P 01 254	206,70	355	3206 Q 02 135	230,81	353
3172 52 50 83	432,14	165	3206 01 224	204,90	354	3206 P 01 280	254,40	355	3206 Q 02 139	172,91	353
3172 52 50 84	431,20	165	3206 01 228	243,70	354	3206 P 02 114	162,40	353	3206 Q 02 149	230,81	353
3172 52 50 85	426,32	165	3206 01 235	273,70	354	3206 P 02 121	168,90	353	3206 Q 02 154	204,22	353
3172 90 50 83	432,14	165	3206 01 239	210,25	354	3206 P 02 124	164,40	353	3206 Q 02 180	244,82	353
3172 90 50 84	431,20	165	3206 01 249	273,70	354	3206 P 02 128	202,20	353	3206 Q 02 214	178,61	355
3172 90 50 85	426,32	165	3206 01 254	243,70	354	3206 P 02 135	231,20	353	3206 Q 02 221	181,08	355
3173 01 19 86	205,48	339	3206 01 280	289,40	354	3206 P 02 139	171,20	353	3206 Q 02 224	178,44	355
3173 01 38 86	381,81	339	3206 02 114	182,40	352	3206 P 02 149	231,20	353	3206 Q 02 228	215,83	355
3173 01 76 86	763,23	339	3206 02 121	188,90	352	3206 P 02 154	202,20	353	3206 Q 02 235	247,95	355
3173 02 19 86	215,75	339	3206 02 124	164,40	352	3206 P 02 180	242,40	353	3206 Q 02 239	182,15	355
3173 02 38 86	400,89	339	3206 02 128	202,20	352	3206 P 02 214	171,90	355	3206 Q 02 249	247,95	355
3173 02 76 86	801,39	339	3206 02 135	231,20	352	3206 P 02 221	179,30	355	3206 Q 02 254	215,83	355
3173 52 19 86	215,75	339	3206 02 139	171,20	352	3206 P 02 224	174,70	355	3206 Q 02 280	263,81	355

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
3206 Q 02 280	203,01	303	3261 Q 84 MP	190,25	306	3266 P 65 84 MF	296,56	307	3277 83	90,10	475
3206 Q 52 114	164,02	303	3261 Q 84 MI	190,25	306	3266 P 65 84 MI	296,56	307	3277 85	90,10	475
3206 Q 52 121	170,18	303	3261 Q 84 MF	190,25	306	3266 P 65 84 MP	296,56	307	3277 86	90,10	475
3206 Q 52 124	166,04	303	3262 P 44 84 MF	174,55	306	3266 P 84 MF	209,04	306	3279 83	140,80	475
3206 Q 52 128	204,22	303	3262 P 44 84 MI	174,55	306	3266 P 84 MI	209,04	306	3279 85	136,20	475
3206 Q 52 135	233,61	303	3262 P 44 84 MP	174,55	306	3266 P 84 MF	209,04	306	3279 86	136,20	475
3206 Q 52 139	172,81	303	3262 P 65 84 MF	244,28	307	3266 Q 44 84 MF	220,08	306	3280 12	238,05	60
3206 Q 52 149	233,61	303	3262 P 65 84 MI	244,28	307	3266 Q 44 84 MI	220,08	306	3280 12	238,05	408
3206 Q 52 154	204,22	303	3262 P 65 84 MP	244,28	307	3266 Q 44 84 MP	220,08	306	3280 15	254,70	65
3206 Q 52 180	244,62	303	3262 P 84 MF	171,70	306	3266 Q 65 84 MF	296,56	307	3280 15	254,70	408
3206 Q 52 214	176,61	306	3262 P 84 MI	171,70	306	3266 Q 65 84 MI	296,56	307	3280 30	72,12	65
3206 Q 52 221	181,09	306	3262 Q 44 84 MF	175,87	306	3266 Q 65 84 MP	296,56	307	3280 30	72,12	408
3206 Q 52 224	176,44	306	3262 Q 44 84 MI	175,87	306	3266 Q 84 MI	209,05	306	3280 40	111,42	65
3206 Q 52 228	215,93	306	3262 Q 44 84 MP	175,87	306	3266 Q 84 MF	209,05	306	3280 40	111,42	408
3206 Q 52 235	247,96	306	3262 Q 65 84 MF	244,31	307	3267 P 44 84 MF	230,00	306	3284 02 01 10	132,30	92
3206 Q 52 239	185,15	306	3262 Q 65 84 MI	244,31	307	3267 P 44 84 MI	230,00	306	3284 02 01 12	218,20	92
3206 Q 52 249	247,96	306	3262 Q 65 84 MP	244,31	307	3267 P 65 84 MF	272,18	307	3284 02 01 35	115,30	92
3206 Q 52 254	215,93	306	3262 Q 84 MF	171,90	306	3267 P 65 84 MI	272,18	307	3284 02 01 50	115,30	92
3206 Q 90 114	164,02	303	3262 Q 84 MI	171,90	306	3267 P 84 MF	272,18	307	3284 02 01 60	132,30	92
3206 Q 90 121	170,18	303	3262 Q 84 MF	171,90	306	3267 P 84 MI	272,18	307	3284 02 01 75	132,30	92
3206 Q 90 124	166,04	303	3263 P 44 84 MF	235,03	306	3267 P 84 MP	272,18	307	3284 02 02 10	258,20	92
3206 Q 90 128	204,22	303	3263 P 44 84 MI	235,03	306	3267 P 84 MF	191,09	306	3284 02 02 12	419,90	92
3206 Q 90 135	233,61	303	3263 P 44 84 MP	235,03	306	3267 P 84 MI	191,09	306	3284 02 02 35	218,90	92
3206 Q 90 139	172,81	303	3263 P 65 84 MF	272,09	307	3267 Q 44 84 MF	237,34	306	3284 02 02 50	218,90	92
3206 Q 90 149	233,61	303	3263 P 65 84 MI	272,09	307	3267 Q 44 84 MI	237,34	306	3284 02 02 60	258,20	92
3206 Q 90 154	204,22	303	3263 P 65 84 MP	272,09	307	3267 Q 65 84 MF	272,19	307	3284 02 02 75	258,20	92
3206 Q 90 180	244,62	303	3263 P 84 MF	191,02	306	3267 Q 65 84 MI	272,19	307	3284 02 03 10	368,80	93
3206 Q 90 214	176,61	306	3263 P 84 MI	191,02	306	3267 Q 65 84 MP	272,19	307	3284 02 03 12	508,90	93
3206 Q 90 221	181,09	306	3263 Q 44 84 MF	237,28	306	3267 Q 84 MF	191,12	306	3284 02 03 35	360,40	93
3206 Q 90 224	176,44	306	3263 Q 44 84 MI	237,28	306	3267 Q 84 MI	191,12	306	3284 02 03 50	360,40	93
3206 Q 90 228	215,93	306	3263 Q 44 84 MP	237,28	306	3267 Q 84 MP	191,12	306	3284 02 03 60	368,80	93
3206 Q 90 235	247,96	306	3263 Q 65 84 MF	272,12	307	3267 Q 84 MF	191,12	306	3284 02 03 75	368,80	93
3206 Q 90 239	185,15	306	3263 Q 65 84 MI	272,12	307	3268 P 44 84 MF	255,72	306	3284 02 04 10	480,10	93
3206 Q 90 249	247,96	306	3263 Q 65 84 MP	272,12	307	3268 P 44 84 MI	255,72	306	3284 02 04 12	626,80	93
3206 Q 90 254	215,93	306	3263 Q 84 MF	191,06	306	3268 P 44 84 MP	255,72	306	3284 02 04 35	421,50	93
3207 00 50 83	646,17	306	3263 Q 84 MI	191,06	306	3268 P 65 84 MF	310,09	307	3284 02 04 50	421,50	93
3207 00 50 84	646,94	306	3263 Q 84 MF	191,06	306	3268 P 65 84 MI	310,09	307	3284 02 04 60	480,10	93
3207 00 50 85	609,01	306	3264 P 44 84 MF	249,18	306	3268 P 65 84 MP	310,09	307	3284 02 04 75	480,10	93
3208	66,00	72	3264 P 44 84 MI	249,18	306	3268 P 84 MF	217,65	306	3284 90 01 10	132,30	92
3209	66,00	72	3264 P 44 84 MP	249,18	306	3268 P 84 MI	217,65	306	3284 90 01 12	218,20	92
3210	66,00	72	3264 P 65 84 MF	295,40	307	3268 P 84 MP	217,65	306	3284 90 01 35	115,30	92
3220 83	27,15	474	3264 P 65 84 MI	295,40	307	3268 Q 44 84 MF	257,04	306	3284 90 01 50	115,30	92
3220 85	27,15	474	3264 P 65 84 MP	295,40	307	3268 Q 44 84 MI	257,04	306	3284 90 01 60	132,30	92
3220 86	27,15	474	3264 P 84 MF	209,04	306	3268 Q 44 84 MP	257,04	306	3284 90 01 75	132,30	92
3260 P 44 84 MF	176,41	306	3264 P 84 MI	209,04	306	3268 Q 65 84 MF	310,13	307	3284 90 02 10	258,20	92
3260 P 44 84 MI	178,41	306	3264 P 84 MF	209,04	306	3268 Q 65 84 MI	310,13	307	3284 90 02 12	419,90	92
3260 P 44 84 MP	178,41	306	3264 Q 44 84 MF	290,29	306	3268 Q 65 84 MP	310,13	307	3284 90 02 35	218,90	92
3260 P 65 84 MF	244,28	307	3264 Q 44 84 MI	290,29	306	3268 Q 84 MF	217,71	306	3284 90 02 50	218,90	92
3260 P 65 84 MI	244,28	307	3264 Q 44 84 MP	290,29	306	3268 Q 84 MI	217,71	306	3284 90 02 60	258,20	92
3260 P 65 84 MP	244,28	307	3264 Q 65 84 MF	296,43	307	3268 Q 84 MP	217,71	306	3284 90 02 75	258,20	92
3260 P 84 MF	171,67	306	3264 Q 65 84 MI	296,43	307	3270 01 38 85	414,88	381	3284 90 03 10	368,80	93
3260 P 84 MI	171,67	306	3264 Q 65 84 MP	296,43	307	3270 01 48 85	454,23	381	3284 90 03 12	508,90	93
3260 P 84 MP	171,67	306	3264 Q 84 MF	209,03	306	3270 01 86 85	583,11	381	3284 90 03 35	360,40	93
3260 Q 44 84 MF	179,73	306	3264 Q 84 MI	209,03	306	3270 02 38 85	414,88	381	3284 90 03 50	360,40	93
3260 Q 44 84 MI	179,73	306	3264 Q 84 MP	209,03	306	3270 02 48 85	454,23	381	3284 90 03 60	368,80	93
3260 Q 44 84 MP	179,73	306	3264 Q 84 MF	209,03	306	3270 02 86 85	583,11	381	3284 90 03 75	368,80	93
3260 Q 65 84 MF	244,31	307	3265 P 44 84 MF	212,51	306	3270 02 96 85	583,11	381	3284 90 04 10	480,10	93
3260 Q 65 84 MI	244,31	307	3265 P 44 84 MI	212,51	306	3270 90 38 85	414,88	381	3284 90 04 12	626,80	93
3260 Q 65 84 MP	244,31	307	3265 P 44 84 MP	212,51	306	3270 90 48 85	454,23	381	3284 90 04 35	421,50	93
3260 Q 84 MF	171,90	306	3265 P 65 84 MF	271,67	307	3270 90 86 85	583,11	381	3284 90 04 50	421,50	93
3260 Q 84 MI	171,90	306	3265 P 65 84 MI	271,67	307	3271 83	150,60	475	3284 90 04 60	480,10	93
3260 Q 84 MP	171,90	306	3265 P 65 84 MP	271,67	307	3271 85	146,50	475	3284 90 04 75	480,10	93
3261 P 44 84 MF	212,51	306	3265 P 84 MF	190,70	306	3271 86	146,50	475	3285 02 01 35	293,60	92
3261 P 44 84 MI	212,51	306	3265 P 84 MI	190,70	306	3272 83	158,10	475	3285 02 01 70	293,60	92
3261 P 44 84 MP	212,51	306	3265 P 84 MP	190,70	306	3272 85	150,20	475	3285 02 02 35	508,60	92
3261 P 65 84 MF	271,64	307	3265 Q 44 84 MF	213,84	306	3272 86	150,20	475	3285 02 02 70	508,60	92
3261 P 65 84 MI	271,64	307	3265 Q 44 84 MI	213,84	306	3273 83	105,30	474	3285 02 03 35	633,00	93
3261 P 65 84 MP	271,64	307	3265 Q 44 84 MP	213,84	306	3273 85	98,60	474	3285 02 03 70	833,00	93
3261 P 84 MF	190,70	306	3265 Q 65 84 MF	271,68	307	3273 86	98,60	474	3285 02 04 35	1.115,10	93
3261 P 84 MI	190,70	306	3265 Q 65 84 MI	271,68	307	3274 83	58,50	474	3285 02 04 70	1.115,10	93
3261 P 84 MP	190,70	306	3265 Q 65 84 MP	271,68	307	3274 85	57,60	474	3285 90 01 35	293,60	92
3261 Q 44 84 MF	213,84	306	3265 Q 84 MF	190,75	306	3274 86	57,60	474	3285 90 01 70	293,60	92
3261 Q 44 84 MI	213,84	306	3265 Q 84 MI	190,75	306	3275 83	77,50	474	3285 90 02 35	508,60	92
3261 Q 44 84 MP	213,84	306	3265 Q 84 MP	190,75	306	3275 85	76,20	474	3285 90 02 70	508,60	92
3261 Q 65 84 MF	271,68	307	3266 P 44 84 MF	241,85	306	3275 86	76,20	474	3285 90 03 35	633,00	93
3261 Q 65 84 MI	271,68	307	3266 P 44 84 MI	241,85	306	3276 83	62,60	475	3285 90 03 70	833,00	93
3261 Q 65 84 MP	271,68	307	3266 P 44 84 MP	241,85	306	3276 85	60,10	475	3285 90 04 35	1.115,10	93
3261 Q 84 MF	171,90	306	3266 P 44 84 MF	241,85	306	3276 86	60,10	475	3285 90 04 70	1.115,10	93

Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.	Ref.	€	Pag.
3290 83	104,50	470	3330 02 33 86 01	507,90	438	3341 02 33 86 01	595,00	444	3361 58 50 88	602,70	454
3290 86	104,50	470	3330 02 33 86 02	508,00	438	3341 02 33 86 02	596,10	444	3361 58 67 88	609,70	454
3291	23,70	452	3330 02 48 86 00	516,80	438	3341 02 48 86 00	604,90	444	3361 58 72 88	781,80	454
3292 83	40,20	469	3330 02 48 86 01	574,90	438	3341 02 48 86 01	603,00	444	3361 58 96 88	812,10	454
3292 84	40,20	469	3330 02 48 86 02	575,00	438	3341 02 48 86 02	603,10	444	3362 91 33 88	545,02	436
3293	49,90	469	3330 02 50 86 00	530,80	438	3341 02 50 86 00	603,90	444	3362 91 50 88	631,92	436
3294 00	14,81	469	3330 02 50 86 01	547,90	438	3341 02 50 86 01	606,00	444	3362 91 67 88	655,80	436
3294 83	14,85	469	3330 02 50 86 02	548,00	438	3341 02 50 86 02	606,10	444	3364 58 10	530,31	457
3294 84	14,85	469	3330 02 67 86 00	565,80	438	3341 02 67 86 00	603,90	444	3364 58 15	544,84	457
3295 01 91 85	613,80	433	3330 02 67 86 01	573,90	438	3341 02 67 86 01	602,00	444	3364 58 25	559,23	457
3295 02 91 85	613,80	433	3330 02 67 86 02	574,00	438	3341 02 67 86 02	602,10	444	3364 58 50	529,74	457
3295 90 91 85	613,80	433	3330 02 72 86 00	585,90	438	3341 02 72 86 00	677,00	444	3364 58 70	530,46	457
3306 01	473,99	198	3330 02 72 86 01	647,00	438	3341 02 72 86 01	723,10	444	3364 58 15	707,02	457
3306 02	474,81	198	3330 02 72 86 02	647,10	438	3341 02 72 86 02	730,20	444	3366 58 15	691,12	457
3306 52	474,81	198	3330 02 96 86 00	593,80	438	3341 02 96 86 00	697,70	444	3366 58 70	593,94	457
3306 90	474,81	198	3330 02 96 86 01	657,10	438	3341 02 96 86 01	745,80	444	3367 58 10	590,00	457
3307	600,00	167	3330 02 96 86 02	657,80	438	3341 02 96 86 02	746,80	444	3367 58 15	590,31	457
3323 02 10 00	310,68	440	3333 02 10 00	304,30	442	3342 91 33 86	496,60	436	3367 58 25	606,85	457
3323 02 10 01	316,76	440	3333 02 10 01	312,80	442	3342 91 50 86	536,50	436	3367 58 50	577,71	457
3323 02 10 02	318,88	441	3333 02 10 02	312,70	442	3342 91 67 86	509,10	436	3367 58 70	582,12	457
3323 02 15 00	322,90	440	3333 02 15 00	318,20	442	3344 02 10 00	392,60	448	3368 58 14	789,02	457
3323 02 15 01	321,00	440	3333 02 15 01	326,30	442	3344 02 10 01	400,70	448	3368 58 45	726,81	457
3323 02 15 02	321,10	441	3333 02 15 02	326,40	442	3344 02 10 02	400,80	448	3368 58 60	727,44	457
3323 02 50 00	308,52	440	3334 02 10 00	357,40	443	3344 02 15 00	406,20	448	3368 58 90	751,90	457
3323 02 50 01	316,62	440	3334 02 10 01	365,50	443	3344 02 15 01	414,40	448	3369 58 33 88	703,90	456
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3323 02 70 00	309,20	440	3334 02 15 00	361,15	443	3345 02 10 00	445,50	448	3369 58 50 88	743,90	456
3323 02 70 01	317,30	440	3334 02 15 01	369,25	443	3345 02 10 01	453,60	448	3369 58 67 88	763,90	456
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3324 02 15 00	478,12	440	3334 02 25 00	433,40	443	3345 02 15 00	449,25	449	3369 58 96 88	865,90	456
3324 02 15 01	486,22	440	3334 02 25 01	441,50	443	3345 02 15 01	457,35	448	3370 01 30 86	279,51	265
3324 02 15 02	486,32	441	3334 02 25 02	441,60	443	3345 02 15 02	457,45	449	3370 02 30 86	285,50	265
3325 02 15 00	376,50	440	3336 02 10 00	398,78	446	3345 02 25 00	521,50	449	3370 90 30 88	285,59	265
3325 02 15 01	384,60	440	3336 02 10 01	406,88	446	3345 02 25 01	457,45	449	3372 09 83	31,20	475
3325 02 15 02	384,70	441	3336 02 10 02	406,98	447	3345 02 25 02	529,70	449	3372 09 85	29,90	475
3325 02 70 00	366,80	440	3336 02 15 00	411,00	446	3347 58 10	302,58	451	3372 09 86	29,90	475
3325 02 70 01	374,90	440	3336 02 15 01	419,10	446	3347 58 15	315,42	451	3372 15 86	46,23	475
3325 02 70 02	375,00	441	3336 02 15 02	419,20	447	3347 58 25	329,84	451	3372 15 88	43,80	475
3326 02 10 00	362,10	440	3336 02 25 00	424,74	446	3347 58 50	300,32	451	3372 15 86	43,80	475
3326 02 10 01	370,20	440	3336 02 25 01	432,84	447	3347 58 70	301,03	451	3372 20 83	57,20	475
3326 02 10 02	370,30	441	3336 02 25 02	432,94	447	3348 58 15	478,40	451	3372 20 85	56,32	475
3326 02 50 00	354,20	440	3336 02 50 00	390,62	446	3348 58 15	372,20	451	3372 20 86	56,32	475
3326 02 50 01	362,30	440	3336 02 50 01	404,72	446	3349 58 70	361,51	451	3374	46,75	469
3326 02 50 02	362,40	441	3336 02 50 02	404,82	447	3350 58 10	356,58	451	3375	54,75	469
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3326 02 70 01	366,50	440	3336 02 70 01	405,40	446	3350 58 25	436,38	451	3378 01 09 88	304,40	334
3326 02 70 02	366,60	441	3336 02 70 02	405,50	447	3350 58 50	348,28	451	3378 52 09 86	318,20	334
3327 02 14 00	536,40	440	3337 02 15 00	566,22	446	3350 58 70	352,69	451	3378 90 09 88	316,20	334
3327 02 14 01	544,50	440	3337 02 15 01	566,29	446	3351 58 14	539,59	451	3379 01 09 88	288,20	336
3327 02 14 02	544,60	441	3337 02 15 02	574,42	447	3351 58 45	497,38	451	3379 52 09 88	299,80	336
3327 02 45 00	496,20	440	3338 02 15 00	464,80	446	3351 58 60	498,01	451	3379 90 09 88	289,80	336
3327 02 45 01	504,30	440	3338 02 15 01	463,00	446	3351 58 90	522,48	451	3380 76 25 10	462	
3327 02 45 02	504,40	441	3338 02 15 02	472,80	447	3353 58 12 86	798,60	450	3380 76 30 10	462	
3327 02 60 00	496,80	440	3338 02 70 00	454,90	446	3353 58 33 86	487,50	450	3381 76 25 10	462	
3327 02 60 01	504,40	440	3338 02 70 01	472,70	446	3353 58 50 86	525,40	450	3382 60 25 10	462	
3327 02 60 02	505,00	441	3338 02 70 02	483,10	447	3353 58 67 86	543,30	450	3382 60 30 10	462	
3327 02 90 00	500,10	440	3339 02 10 00	450,30	446	3354 91 33 86	500,80	436	3383 60 30 15	624,66	462
3327 02 90 01	528,20	440	3339 02 10 01	458,30	446	3354 91 50 86	630,70	436	3384 60 30 15	915,75	462
3327 02 90 02	528,30	441	3339 02 10 02	458,40	447	3354 91 67 86	654,20	436	3385 60 40 15	1.184,68	462
3328 02 34 00	549,10	442	3339 02 50 00	442,30	446	3356 58 10	383,20	455	3386 60 40 15	462	
3328 02 34 01	557,20	442	3339 02 50 01	450,40	446	3356 58 15	396,58	455	3386 60 40 20	462	
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3328 02 39 00	583,90	442	3339 02 70 00	446,50	446	3356 58 50	381,48	455	3390 01 07 83	68,60	61
3328 02 39 01	591,60	442	3339 02 70 01	454,60	446	3356 58 70	382,20	455	3390 01 07 86	68,59	61
3328 02 39 02	591,60	442	3339 02 70 02	454,70	447	3357 58 15	369,56	455	3390 01 14 83	120,41	61
3328 02 45 00	604,30	442	3340 02 14 00	624,30	446	3358 58 15	453,18	455	3390 01 14 86	120,40	61
3328 02 45 01	632,40	442	3340 02 14 01	632,80	446	3358 58 70	442,68	455	3390 02 07 83	72,68	61
3328 02 45 02	632,40	442	3340 02 14 02	632,70	447	3359 58 10	437,74	455	3390 02 07 86	72,68	61
3329 02 34 00	637,60	448	3340 02 45 00	584,30	446	3359 58 15	442,06	455	3390 02 14 83	130,82	61
3329 02 34 01	644,80	448	3340 02 45 01	592,40	446	3359 58 25	517,54	455	3390 02 14 86	130,81	61
3329 02 34 02	644,80	448	3340 02 45 02	592,50	447	3359 58 50	429,46	455	3390 52 07 83	72,68	61
3329 02 39 00	672,00	448	3340 02 60 00	584,80	446	3359 58 70	433,88	455	3390 52 07 86	72,68	61
3329 02 39 01	679,20	448	3340 02 60 01	592,90	446	3360 58 14	620,76	455	3390 52 14 83	130,82	61
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3329 02 45 00	712,80	448	3340 02 90 00	608,20	446	3360 58 60	678,18	455	3390 90 07 83	72,68	61
3329 02 45 01	720,00	448	3340 02 90 01	616,30	446	3360 58 90	603,64	455	3390 90 07 86	72,68	61
3329 02 45 02	720,00	448	3340 02 90 02	616,40	447	3361 58 33 86	562,70	454	3390 90 14 83	130,82	61
3330 02 33 86 00	449,80	438	3341 02 33 86 00	587,90	444	3361 58 48 86	721,60	454	3390 90 14 86	130,81	61

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3394 76 25	354,10	400	4145 90 18	30,88	220	BC D 70 24	119,27	477	BE / A 58 B 58	150,00	273
3394 76 30	389,82	400	4145 90 30	56,29	220	BC D 70 40	119,27	477	BF	109,51	273
3395 76 25	389,90	400	4145 90 30M	58,91	220	BD 35	2,03	476	BF / B18	145,89	273
3396 80 25	400,30	400	4145 90 40	45,86	220	BD 50	2,03	476	BF / B36	145,89	273
3396 80 30	444,12	400	4145 90 40M	46,48	220	BD 118	92,49	468	BF / B58	151,88	273
3396 76 25	433,22	400	4145 90 70	46,71	220	BD 126	92,50	468	BG / A 18 C 18	169,35	273
3396 76 30	499,82	400	4145 90 70M	47,32	220	BD 132	92,51	468	BG / A 18 C 36	169,35	273
3397 80 25	474,95	400	4146 01 18	62,72	220	BD 142	92,52	468	BG / A 18 C 58	194,95	273
3397 76 30	593,10	400	4146 01 18M	63,34	220	BD 218	102,62	468	BG / A 36 C 18	169,35	273
3398 80 30	612,25	400	4146 01 30	70,40	220	BD 226	102,63	468	BG / A 36 C 36	169,35	273
3398 76 30	663,20	400	4146 01 30M	71,01	220	BD 232	102,64	468	BG / A 36 C 58	194,95	273
3399 80 30	687,82	400	4146 01 40	57,19	220	BD 242	102,65	468	BG / A 58 C 18	194,95	273
3399 76 30	755,21	400	4146 01 40M	57,81	220	BD 2 50	6,30	476	BG / A 58 C 36	194,95	273
3400 60 30	786,42	400	4146 01 70	58,81	220	BD G 50	6,81	476	BG / A 58 C 58	194,95	273
3400 76 30	889,62	400	4146 01 70M	59,43	220	BD L 02C	7,18	469	BH / A 18 B 18	169,35	273
3401 80 40	1.052,10	400	4146 05 18	78,17	220	BD L 05C	33,20	469	BH / A 18 B 36	169,35	273
3401 76 40	1.218,60	400	4146 05 18M	78,79	220	BD L 05F	33,20	469	BH / A 18 B 58	194,95	273
3402 80 40	1.340,20	400	4146 05 30	87,70	220	BD L 09C	42,33	470	BH / A 36 B 18	169,35	273
3402 76 40	1.395,24	400	4146 05 30M	88,32	220	BD L 09M	42,33	470	BH / A 36 B 36	169,35	273
3403 80 40	1.339,26	400	4146 05 40	72,36	220	BD L 09F	42,33	470	BH / A 36 B 58	194,95	273
3403 76 40	1.395,25	400	4146 05 40M	73,00	220	BD LA 02A	7,31	469	BH / A 58 B 18	169,35	273
3404 60 40	1.678,52	400	4146 05 70	74,26	220	BD LB 02F	7,10	469	BH / A 58 B 36	169,35	273
3404 76 40	1.722,24	400	4146 05 70M	74,88	220	BD U 36 62	18,05	479	BH / A 58 B 58	194,95	273
3408 30	549,00	409	4146 52 18	65,30	220	BD U 36 63	19,05	479	BI / B 18 C 18	169,35	273
3408 40	595,00	409	4146 52 18M	65,92	220	BD U 36 84	18,05	479	BI / B 18 C 36	169,35	273
3410 26 33 86	291,70	404	4146 52 30	74,82	220	BE 113	33,06	481	BI / B 18 C 58	194,95	273
3410 26 50 86	347,70	404	4146 52 30M	75,44	220	BE 118	33,06	481	BI / B 36 C 18	169,35	273
3410 26 67 86	377,70	404	4146 52 40	59,51	220	BE 126	33,06	481	BI / B 36 C 36	169,35	273
3410 40 48 86	385,20	404	4146 52 40M	60,13	220	BE 132	34,91	481	BI / B 36 C 58	194,95	273
3410 40 72 86	400,30	404	4146 52 70	61,28	220	BE 142	34,91	481	BI / B 58 C 18	194,95	273
3410 40 96 86	411,50	404	4146 52 70M	61,90	220	BE 213	35,12	481	BI / B 58 C 36	194,95	273
3411 26 33 86	279,80	404	4146 90 18	65,30	220	BE 218	35,12	481	BI / B 58 C 58	194,95	273
3411 26 50 86	305,80	404	4146 90 18M	65,92	220	BE 226	35,12	481	BL / C 18	145,84	273
3411 26 67 86	330,80	404	4146 90 30	74,82	220	BE 232	37,90	481	BL / C 36	151,80	273
3411 40 48 86	399,80	404	4146 90 30M	75,44	220	BE 242	37,90	481	BL / C 58	169,35	273
3411 40 72 86	415,10	404	4146 90 40	59,51	220	BE HOI 35	53,56	481	BK / A 18	145,84	273
3411 40 96 86	420,20	404	4146 90 40M	60,13	220	BE HOI 70	56,54	481	BK / A 36	151,80	273
3412 04 12 86	598,20	404	4146 90 70	61,28	220	BE HOI 150	92,28	481	BK / A 58	169,35	273
3412 26 33 86	294,00	404	4146 90 70M	61,90	220	BG 25	8,06	476	BL	194,36	273
3412 26 50 86	332,80	404	4147 01 18	64,84	220	BG 40	8,06	476	BL / C18	178,72	273
3412 26 67 86	395,70	404	4147 01 18M	65,20	220	BG 60	8,06	476	BL / C36	189,24	273
3413 26 33 86	295,30	405	4147 01 30	72,42	220	BG 75	8,06	476	BL / C58	210,67	273
3413 26 50 86	391,30	405	4147 01 30M	73,40	220	BG L 02C	7,53	469	BIM / B 18 D 18	210,67	273
3413 26 67 86	411,30	405	4147 01 40	59,20	220	BG LA 02A	7,67	469	BIM / B 18 D 36	225,80	273
3413 40 48 86	454,20	405	4147 01 40M	59,84	220	BG LB 02F	7,53	469	BIM / B 18 D 58	225,80	273
3413 40 72 86	494,20	405	4147 01 70	60,90	220	BG R 00	9,47	476	BIM / B 36 D 18	225,80	273
3413 40 96 86	544,70	405	4147 01 70M	61,50	220	BH G 15 30	71,89	478	BIM / B 36 D 36	225,80	273
3414 26 33 86	295,30	405	4147 05 18	80,22	220	BH G 15 42	71,89	478	BIM / B 36 D 58	225,80	273
3414 26 50 86	381,30	405	4147 05 18M	81,10	220	BH G 70 30	71,89	478	BIM / B 58 D 18	225,80	273
3414 26 67 86	411,30	405	4147 05 30	89,80	220	BH G 70 42	71,89	478	BIM / B 58 D 36	225,80	273
3414 40 48 86	454,20	405	4147 05 30M	90,62	220	BH R 15 30	26,57	478	BIM / B 58 D 58	225,80	273
3414 40 72 86	494,20	405	4147 05 40	74,60	220	BH R 15 42	26,57	478	BIN / C 18 D 18	210,67	273
3414 40 96 86	544,70	405	4147 05 40M	75,12	220	BH R 25 42G	75,17	478	BIN / C 18 D 36	210,67	273
4145 01 18	49,07	226	4147 05 70	76,40	220	BH R 70 30	26,57	478	BIN / C 18 D 58	225,80	273
4145 01 18M	49,69	226	4147 05 70M	76,02	220	BH R 70 42	26,57	478	BIN / C 36 D 18	210,67	273
4145 01 30M	57,37	226	4147 52 18	67,32	220	BIA	46,16	272	BIN / C 36 D 36	210,67	273
4145 01 30	56,75	226	4147 52 18M	68,24	220	BIA / A18	64,77	272	BIN / C 36 D 58	225,80	273
4145 01 40	43,54	226	4147 52 30M	77,46	220	BIA / A36	64,77	272	BIN / C 58 D 18	225,80	273
4145 01 40M	44,16	226	4147 52 30	76,84	220	BIA / A58	73,93	272	BIN / C 58 D 36	225,80	273
4145 01 70	45,06	226	4147 52 40	61,50	220	BB	54,29	272	BIN / C 58 D 58	225,80	273
4145 01 70M	45,68	226	4147 52 40M	62,84	220	BB / C18	74,21	272	BP 18	13,43	272
4145 05 18	63,75	226	4147 52 70	63,30	220	BB / C36	74,21	272	BP 36	16,22	272
4145 05 18M	64,37	226	4147 52 70M	64,00	220	BB / C58	64,34	272	BP 58	30,96	272
4145 05 30	60,97	226	4147 90 18	67,32	220	BC	67,15	273	BP A 30 10	20,02	421
4145 05 30M	71,89	226	4147 90 18M	68,24	220	BC / A18	111,55	273	BP A 30 75	20,02	421
4145 05 40	96,42	226	4147 90 30	76,84	220	BC / A36	111,55	273	BP E 13 63	15,07	479
4145 05 40M	97,04	226	4147 90 30M	77,46	220	BC / A58	119,86	273	BP E 13 84	15,07	479
4145 05 70	59,56	226	4147 90 40	61,50	220	BD / B18	111,55	273	BP E 18 62	15,07	479
4145 05 70M	60,20	226	4147 90 40M	62,84	220	BD / B36	111,55	273	BP E 18 83	15,07	479
4145 52 18	90,88	226	4147 90 70	63,30	220	BD / B58	115,80	273	BP E 18 84	15,07	479
4145 52 18M	91,50	226	4147 90 70M	64,00	220	BE / A 18 B 18	149,62	273	BP E 26 62	15,07	479
4145 52 30	58,29	220	□			BE / A 18 B 36	149,62	273	BP E 26 83	15,07	479
4145 52 30M	58,91	220	BB 10	1,29	476	BE / A 18 B 58	160,09	273	BP E 26 84	15,07	479
4145 52 40	45,66	226	BB 20	1,29	476	BE / A 36 B 18	149,62	273	BP E 32 62	15,16	479
4145 52 40M	46,45	226	BC D 35 10	119,27	477	BE / A 36 B 36	149,62	273	BP E 32 83	15,16	479
4145 52 70	46,71	226	BC D 35 24	119,27	477	BE / A 36 B 58	160,09	273	BP E 32 84	15,16	479
4145 52 70M	47,32	226	BC D 35 40	119,27	477	BE / A 58 B 18	160,09	273	BP E 42 62	15,26	479
4145 90 18M	81,50	226	BC D 70 10	119,27	477	BE / A 58 B 36	160,09	273	BP E 42 83	15,26	479

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BP E 42 84	19,28	479	BT 5 14 86	5,29	480	KRA 52 254	209,11	300	KRA R 90 235	334,81	300
BP E 57 82	21,11	479	BT 5 21 83	5,86	480	KRA 90 128	275,70	300	KRA R 90 249	344,80	300
BP E 57 84	21,11	479	BT 5 21 84	5,86	480	KRA 90 135	270,02	300	KRA R 90 254	317,80	300
BP L 09 82	5,76	479	BT 5 21 86	5,86	480	KRA 90 149	304,46	300	L		
BP L 09 83	5,76	479	BT 5 24 83	6,07	480	KRA 90 154	275,72	300	LED 09 W	88,37	423
BP L 09 84	5,76	479	BT 5 24 84	6,07	480	KRA 90 228	209,13	300	LED 15 W	123,49	423
BP L 13 82	5,76	479	BT 5 24 86	6,07	480	KRA 90 235	320,90	300	LED 20 W	162,47	423
BP L 13 83	5,76	479	BT 5 28 83	5,86	480	KRA 90 249	320,90	300	O		
BP L 13 84	5,76	479	BT 5 28 84	5,86	480	KRA 90 254	209,11	300	OV 109 01 84	156,02	270
BP L 18 82	5,76	479	BT 5 28 86	5,86	480	KRA P 01 128	281,32	301	OV 115 01 84	209,23	270
BP L 18 83	5,76	479	BT 5 35 83	5,86	480	KRA P 01 135	329,83	301	OV 118 01 84	86,82	270
BP L 18 84	5,76	479	BT 5 35 84	5,86	480	KRA P 01 149	329,83	301	OV 119 01 84	320,15	270
BP L 26 82	5,76	479	BT 5 35 86	5,86	480	KRA P 01 154	281,34	301	OV 136 01 84	120,13	270
BP L 26 83	5,76	479	BT 5 39 83	6,07	480	KRA P 01 228	323,44	301	OV 158 01 84	146,29	270
BP L 26 84	5,76	479	BT 5 39 84	6,07	480	KRA P 01 235	348,18	301	OV 209 01 84	240,40	270
BP LL 18 82	7,31	480	BT 5 39 86	6,07	480	KRA P 01 240	348,26	301	OV 215 01 84	361,78	270
BP LL 18 83	7,31	480	BT 5 49 83	6,07	480	KRA P 01 254	323,46	301	OV 218 01 84	104,20	270
BP LL 18 84	7,31	480	BT 5 49 84	6,07	480	KRA P 52 128	283,70	301	OV 219 01 84	489,25	270
BP LL 18 86	7,31	480	BT 5 49 86	6,07	480	KRA P 52 135	339,73	301	OV 236 01 84	139,68	270
BP LL 36 82	7,31	480	BT 5 54 83	6,07	480	KRA P 52 149	339,73	301	OV 258 01 84	171,06	270
BP LL 36 83	7,31	480	BT 5 54 84	6,07	480	KRA P 52 154	289,78	301	OV P 109 01 84	175,09	270
BP LL 36 84	7,31	480	BT 5 54 86	6,07	480	KRA P 52 228	333,14	301	OV P 115 01 84	263,24	270
BP LL 36 86	7,31	480	BT 5 60 83	7,51	480	KRA P 52 235	368,80	301	OV P 119 01 84	343,02	270
BP LL 55 82	8,24	480	BT 5 60 84	7,51	480	KRA P 52 240	368,70	301	OV P 209 01 84	260,49	270
BP LL 55 83	8,24	480	BT 5 60 86	7,51	480	KRA P 52 254	333,16	301	OV P 215 01 84	388,78	270
BP LL 55 84	8,24	480	BT 8 18 83	3,19	480	KRA P 90 128	283,70	301	OV P 219 01 84	517,17	270
BP LL 55 86	8,24	480	BT 8 18 84	3,19	480	KRA P 90 135	339,73	301	OV R 109 01 84	182,67	270
BP O 14 82	8,24	479	BT 8 18 86	3,19	480	KRA P 90 149	339,73	301	OV R 115 01 84	238,67	270
BP O 14 83	8,24	479	BT 8 36 83	3,81	480	KRA P 90 154	289,78	301	OV R 119 01 84	209,32	270
BP O 14 84	8,24	479	BT 8 36 84	3,81	480	KRA P 90 228	333,14	301	OV R 209 01 84	248,06	270
BP O 17 82	8,24	479	BT 8 36 86	3,81	480	KRA P 90 235	368,80	301	OV R 215 01 84	364,20	270
BP O 17 83	8,24	479	BT 8 58 83	4,53	480	KRA P 90 240	368,70	301	OV R 219 01 84	484,07	270
BP O 17 84	8,24	479	BT 8 58 84	4,53	480	KRA P 90 254	333,16	301	OWP 118 01 84	106,89	270
BP T 13 82	15,05	479	BT 8 58 86	4,53	480	KRA PB 01 128	292,04	301	OWP 136 01 84	107,14	270
BP T 13 84	15,05	479	BT H 25	55,04	478	KRA PB 01 135	348,78	301	OWP 158 01 84	183,92	270
BP T 18 82	15,05	479	BT H 40	55,06	478	KRA PB 01 149	348,80	301	OWP 218 01 84	124,29	270
BP T 18 84	15,05	479	BT S 15	37,29	478	KRA PB 01 154	292,09	301	OWP 236 01 84	176,58	270
BP T 26 82	15,05	479	BT S 25	44,04	478	KRA PB 01 228	328,05	301	OWP 258 01 84	218,97	270
BP T 26 83	15,05	479	BT S 40	61,01	478	KRA PB 01 235	369,94	301	OWR 118 01 84	94,67	270
BP T 26 84	15,05	479	BV H 25	55,00	478	KRA PB 01 240	369,96	301	OWR 136 01 84	132,57	270
BQ 10 08	17,30	477	BV H 40	55,02	478	KRA PB 01 254	328,07	301	OWR 158 01 84	183,82	270
BQ 10 24	17,30	477	BV M 25	16,74	478	KRA PB 52 128	300,80	301	OWR 218 01 84	111,86	270
BQ 10 45	17,30	477	BV M 40	26,49	478	KRA PB 52 135	369,25	301	OWR 236 01 84	152,00	270
BQ 35 04	17,30	477	BV S 15	37,28	478	KRA PB 52 149	369,27	301	OWR 258 01 84	185,87	270
BQ 35 24	17,30	477	BV S 25	44,03	478	KRA PB 52 228	337,89	301	P		
BQ 50 04	17,30	477	BV S 40	61,00	478	KRA PB 52 235	370,74	301	PLA 118 84	105,16	360
BQ 50 08	17,30	477	C	0,00		KRA PB 52 249	370,70	301	PLA 136 84	128,54	360
BQ 50 24	17,30	477	CO 1	110,58	488	KRA PB 52 254	337,81	301	PLA 158 84	155,06	360
BQ 60 08	23,48	477	COR GB	294,31	363	KRA PB 90 128	300,80	301	PLA 218 84	133,90	360
BQ 60 24	23,48	477	D			KRA PB 90 135	369,25	301	PLA 236 84	159,10	360
BQ 60 45	23,48	477	DV 12	26,67	424	KRA PB 90 149	369,27	301	PLA 258 84	181,56	360
BQ 75 08	17,30	477	E			KRA PB 90 154	300,86	301	PLA P 118 84	117,42	360
BQ 75 24	17,30	477	EM E 113	124,73	481	KRA PB 90 228	337,89	301	PLA P 136 84	153,47	360
BQ 75 45	17,30	477	EM E 118	124,73	481	KRA PB 90 235	370,74	301	PLA P 158 84	187,76	360
BQ L 35C	92,00	470	EM E 126	124,73	481	KRA PB 90 249	370,70	301	PLA P 218 84	146,53	360
BQ L 35F	92,00	470	EM E 213	124,73	481	KRA PB 90 254	337,81	301	PLA P 236 84	182,21	360
BR 113	81,18	481	EM E 218	124,73	481	KRA P88 52 154	300,86	301	PLA P 258 84	223,71	360
BR 118	81,18	481	EM E 226	124,73	481	KRA R 01 128	287,12	300	PLA R 118 84	117,80	360
BR 126	81,18	481	H			KRA R 01 135	318,40	300	PLA R 136 84	154,80	360
BR 132	82,00	481	HM 15	40,98	481	KRA R 01 149	318,90	300	PLA R 158 84	188,89	360
BR 142	82,00	481	HM 25	55,10	481	KRA R 01 154	287,14	300	PLA R 218 84	146,67	360
BR 213	91,46	481	HM 70	32,03	481	KRA R 01 228	308,62	300	PLA R 236 84	184,06	360
BR 218	91,46	481	K			KRA R 01 235	334,77	300	PLA R 258 84	224,54	360
BR 226	91,46	481	KRA 01 128	287,87	300	KRA R 01 240	334,70	300	R		
BR 232	92,09	481	KRA 01 135	282,15	300	KRA R 01 254	308,54	300	RC	0,66	482
BR 242	92,09	481	KRA 01 149	295,59	300	KRA R 52 128	295,73	300	S		
BR V 113	81,19	481	KRA 01 154	287,89	300	KRA R 52 135	328,00	300	S 78	0,77	482
BR V 118	81,19	481	KRA 01 228	288,45	300	KRA R 52 149	308,06	300	S 77	0,77	482
BR V 126	81,19	481	KRA 01 235	311,56	300	KRA R 52 154	295,75	300	S 90	0,77	482
BR V 132	82,81	481	KRA 01 249	311,56	300	KRA R 52 228	317,79	300	S 95	0,97	482
BR V 142	82,81	481	KRA 01 254	288,47	300	KRA R 52 235	334,81	300	S 100	0,97	482
BR V 213	91,47	481	KRA 52 128	275,70	300	KRA R 52 249	344,83	300	S 172	2,26	482
BR V 218	91,47	481	KRA 52 135	270,02	300	KRA R 52 254	317,80	300	S 202	2,26	482
BR V 226	91,47	481	KRA 52 149	304,46	300	KRA R 90 128	295,73	300	S 224	2,26	482
BR V 232	92,00	481	KRA 52 154	275,72	300	KRA R 90 135	328,00	300	SBCDM- TC 35	80,06	477
BR V 242	92,00	481	KRA 52 228	209,13	300	KRA R 90 149	328,06	300	SBCDM- TC 70	88,08	477
BT 5 14 83	5,29	480	KRA 52 235	320,90	300	KRA R 90 154	295,75	300	SC / 01	5,76	289
BT 5 14 84	5,29	480	KRA 52 249	320,90	300	KRA R 90 228	217,79	300	SC / 02	5,76	289

Ref	€	Pag	Ref	€	Pag	Ref	€	Pag	Ref	€	Pag
SC / OV	5,44	271	TB E 115 /76 01 84	181,46	267	TB R 118 /50 01 84	64,93	268	UT 50 02	19,88	269
SCB	5,50	269	TB E 115 /76 02 84	185,22	267	TB R 118 /50 02 84	68,16	268	UT 76 01	20,41	269
SCB 100 01	4,24	271	TB E 115 /76 52 84	192,76	267	TB R 118 /50 52 84	74,66	268	UT 76 02	20,41	269
SCB 100 02	4,12	271	TB E 118 /76 01 84	56,48	267	TB R 136 /50 01 84	62,79	268	UT / OV	36,40	271
SCB 250 01	5,43	271	TB E 118 /76 02 84	65,43	267	TB R 136 /50 02 84	66,93	268			
SCB 250 02	5,43	271	TB E 118 /76 52 84	66,30	267	TB R 136 /50 52 84	65,21	268			
SCB 500 01	6,02	271	TB E 118 /76 01 84	239,40	267	TB R 158 /50 01 84	93,08	268			
SCB 500 02	6,02	271	TB E 118 /76 02 84	243,90	267	TB R 158 /50 02 84	104,04	268			
SCB 1000 01	8,18	271	TB E 118 /76 52 84	292,93	267	TB R 158 /50 52 84	104,66	268			
SCB 1000 02	8,18	271	TB E 136 /76 01 84	75,36	267	TB R 209 /76 01 84	219,15	267			
SCB A / OV	6,47	263	TB E 136 /76 02 84	79,12	267	TB R 209 /76 02 84	223,29	267			
SCBA / OV	6,47	271	TB E 136 /76 52 84	86,65	267	TB R 209 /76 52 84	231,59	267			
SCC 01	19,81	269	TB E 158 /76 01 84	90,50	267	TB R 215 /76 01 84	323,40	267			
SCC 02	19,81	269	TB E 158 /76 02 84	94,80	267	TB R 215 /76 02 84	328,98	267			
SCC / OV	20,00	271	TB E 158 /76 52 84	103,83	267	TB R 215 /76 52 84	340,08	267			
SD	3,01	269	TB EP 109 /76 01 84	130,02	269	TB R 218 /76 01 84	62,96	267			
SD / OV	4,38	271	TB EP 109 /76 02 84	138,37	269	TB R 218 /76 02 84	67,09	267			
SE 1	102,79	468	TB EP 109 /76 52 84	149,07	269	TB R 218 /76 52 84	65,39	267			
SF 01	6,13	269	TB EP 115 /76 01 84	105,43	269	TB R 219 /76 01 84	433,17	267			
SF 02	6,13	269	TB EP 115 /76 02 84	109,85	269	TB R 219 /76 02 84	439,90	267			
SF / OV	6,13	271	TB EP 115 /76 52 84	208,82	269	TB R 219 /76 52 84	453,40	267			
SHR / OV	20,80	271	TB EP 118 /76 01 84	60,90	268	TB R 219 /76 01 84	111,20	267			
SHV 01	22,12	269	TB EP 118 /76 02 84	70,27	269	TB R 236 /76 02 84	116,70	267			
SHV 02	22,12	269	TB EP 118 /76 52 84	76,97	269	TB R 236 /76 52 84	127,88	267			
SP / OV	17,79	271	TB EP 119 /76 01 84	267,10	269	TB R 236 /76 01 84	134,97	267			
SP V / OV	23,46	271	TB EP 119 /76 02 84	282,90	269	TB R 258 /76 02 84	141,70	267			
SR 100 01	4,24	269	TB EP 119 /76 52 84	273,41	269	TB R 258 /76 52 84	156,20	267			
SR 100 02	4,24	269	TB EP 136 /76 01 84	89,33	269	TBP 109 /50 01 84	132,51	268			
SR 100 /OV	4,71	271	TB EP 136 /76 02 84	93,79	269	TBP 109 /50 02 84	135,74	268			
SR 250 01	5,43	269	TB EP 136 /76 52 84	102,72	269	TBP 109 /50 52 84	142,18	268			
SR 250 02	5,43	269	TB EP 158 /76 01 84	109,09	269	TBP 115 /50 01 84	189,58	268			
SR 250 /OV	6,26	271	TB EP 158 /76 02 84	113,48	269	TBP 115 /50 02 84	193,75	268			
SR 500 01	6,02	269	TB EP 158 /76 52 84	124,31	269	TBP 115 /50 52 84	202,10	268			
SR 500 02	6,02	269	TB ER 109 /76 01 84	132,51	267	TBP 119 /50 01 84	248,40	268			
SR 500 /OV	6,85	271	TB ER 109 /76 02 84	136,74	267	TBP 119 /50 02 84	253,36	268			
SR 1000 01	9,18	269	TB ER 109 /76 52 84	145,45	267	TBP 119 /50 52 84	262,63	268			
SR 1000 02	9,18	269	TB ER 115 /76 01 84	194,89	267	TBR 109 /50 01 84	133,03	268			
SR 1000 /OV	10,23	271	TB ER 115 /76 02 84	199,89	267	TBR 109 /50 02 84	136,23	268			
T			TB ER 115 /76 52 84	208,21	267	TBR 109 /50 52 84	142,70	268			
TB 109 /50 01 84	126,04	266	TB ER 118 /76 01 84	67,32	267	TBR 115 /50 01 84	188,89	268			
TB 109 /50 02 84	126,96	266	TB ER 118 /76 02 84	70,67	267	TBR 115 /50 02 84	193,03	268			
TB 109 /50 52 84	134,75	266	TB ER 118 /76 52 84	77,36	267	TBR 115 /50 52 84	201,31	268			
TB 115 /50 01 84	177,04	266	TB ER 119 /76 01 84	296,29	267	TBR 119 /50 01 84	248,18	268			
TB 115 /50 02 84	181,11	266	TB ER 119 /76 02 84	281,84	267	TBR 119 /50 02 84	253,14	268			
TB 115 /50 52 84	185,25	266	TB ER 119 /76 52 84	272,26	267	TBR 119 /50 52 84	253,76	268			
TB 118 /50 01 84	57,94	266	TB ER 136 /76 01 84	88,79	267	TF 50 01	4,26	290			
TB 118 /50 02 84	60,86	266	TB ER 136 /76 02 84	93,23	267	TF 50 02	4,30	290			
TB 118 /50 52 84	66,95	266	TB ER 136 /76 52 84	102,11	267	TF 76 01	5,11	290			
TB 119 /50 01 84	234,68	266	TB ER 158 /76 01 84	107,19	267	TF 76 02	5,11	290			
TB 119 /50 02 84	239,17	266	TB ER 158 /76 02 84	112,54	267	TF / OV	3,93	271			
TB 119 /50 52 84	247,74	266	TB ER 158 /76 52 84	123,16	267	TS 60	9,18	481			
TB 136 /50 01 84	71,44	266	TB P 118 /50 01 84	84,41	266	TS 105	13,33	481			
TB 136 /50 02 84	75,01	266	TB P 118 /50 02 84	87,64	266	U					
TB 136 /50 52 84	82,15	266	TB P 118 /50 52 84	74,06	266	U 90 50 01	6,76	290			
TB 158 /50 01 84	89,78	266	TB P 136 /50 01 84	63,48	266	U 90 50 02	6,76	290			
TB 158 /50 02 84	90,07	266	TB P 136 /50 02 84	67,63	266	U 90 76 01	13,71	290			
TB 158 /50 52 84	98,64	266	TB P 136 /50 52 84	90,00	266	U 90 76 02	13,71	290			
TB 209 /76 01 84	211,20	267	TB P 158 /50 01 84	99,30	266	U 135 50 01	6,40	290			
TB 209 /76 02 84	214,95	267	TB P 158 /50 02 84	104,26	266	U 135 50 02	6,40	290			
TB 209 /76 52 84	222,45	267	TB P 158 /50 52 84	113,53	266	U 135 76 01	10,69	290			
TB 215 /76 01 84	309,97	267	TB P 209 /76 01 84	218,76	269	U 135 76 02	10,69	290			
TB 215 /76 02 84	315,82	267	TB P 209 /76 02 84	222,80	269	U90 / OV	27,30	271			
TB 215 /76 52 84	324,63	267	TB P 209 /76 52 84	231,15	269	UC 50 01	19,68	268			
TB 218 /76 01 84	79,00	267	TB P 215 /76 01 84	323,99	269	UC 50 02	19,68	268			
TB 218 /76 02 84	78,75	267	TB P 215 /76 02 84	329,52	269	UC 76 01	20,41	269			
TB 218 /76 52 84	86,25	267	TB P 215 /76 52 84	340,70	269	UC 76 02	20,41	269			
TB 219 /76 01 84	416,27	267	TB P 218 /76 01 84	62,56	268	UC / OV	44,37	271			
TB 219 /76 02 84	422,18	267	TB P 218 /76 02 84	86,69	268	UF 50 01	20,89	269			
TB 219 /76 52 84	433,98	267	TB P 218 /76 52 84	94,95	268	UF 50 02	20,89	269			
TB 236 /76 01 84	97,77	267	TB P 219 /76 01 84	434,07	269	UF 76 01	26,05	269			
TB 236 /76 02 84	103,62	267	TB P 219 /76 02 84	440,96	269	UF 76 02	26,05	269			
TB 236 /76 52 84	112,43	267	TB P 219 /76 52 84	454,43	269	UF / OV	30,17	271			
TB 258 /76 01 84	118,07	267	TB P 236 /76 01 84	111,74	269	UI 50 01	5,84	290			
TB 258 /76 02 84	123,98	267	TB P 236 /76 02 84	117,32	269	UI 50 02	5,84	290			
TB 258 /76 52 84	136,78	267	TB P 236 /76 52 84	126,50	269	UI 76 01	6,77	290			
TB E 109 /76 01 84	127,58	267	TB P 258 /76 01 84	130,87	269	UI 76 02	6,77	290			
TB E 109 /76 02 84	136,53	267	TB P 258 /76 02 84	142,66	269	UI / OV	1,77	271			
TB E 109 /76 52 84	136,49	267	TB P 258 /76 52 84	159,25	269	UT 50 01	19,68	269			