



WELCOME TO SECOM  
DIGITAL LIGHTING SYSTEM

*low consumption integral lighting*

The Professional Digital  
Lighting Energy Saving System



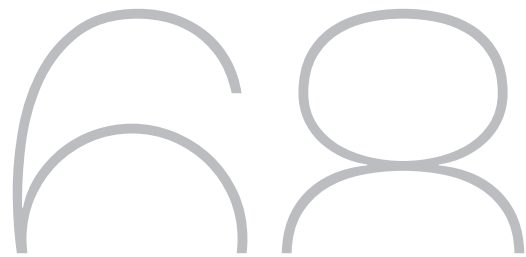
GENERAL CATALOG

68

sec·om  
here comes the light

secom

here comes the light



LIGHTING SYSTEMS

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S I N C E 1 9 8 9

# LIGHTING IS THE ABILITY TO CREATE AND DISCOVER SINGLE SPACES WITH SENSITIVITY AND ORIGINALITY

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

The company 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 after 28 experience, it is positioned as a leading company Lighting at European level. This is thanks to the closeness it has with architects, engineers, distributors, installers and final customers; Listening and collecting each of your suggestions and incorporating them into our design chain, and in this way, create luminaires that perfectly adapt to each of your needs. Secom Lighting currently sells in five continents, generating between direct and indirect more than 500 jobs.

**secom** ILUMINACIÓN S.L.

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Assembly instructions, quality certificates, technical data sheets and Dialux (eulumdat form) files are available to download from our site:  
[www.secom.es](http://www.secom.es)

# Production process

Sales management.



2 aluminum injection machine.



Robotized warehousing system.



Cutting and engraving laser of PMMA.



Secom, in its 16.900-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.

Assembly lines.



Robotized folding machine.



OWN MANUFACTURING

MADE IN SPAIN

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

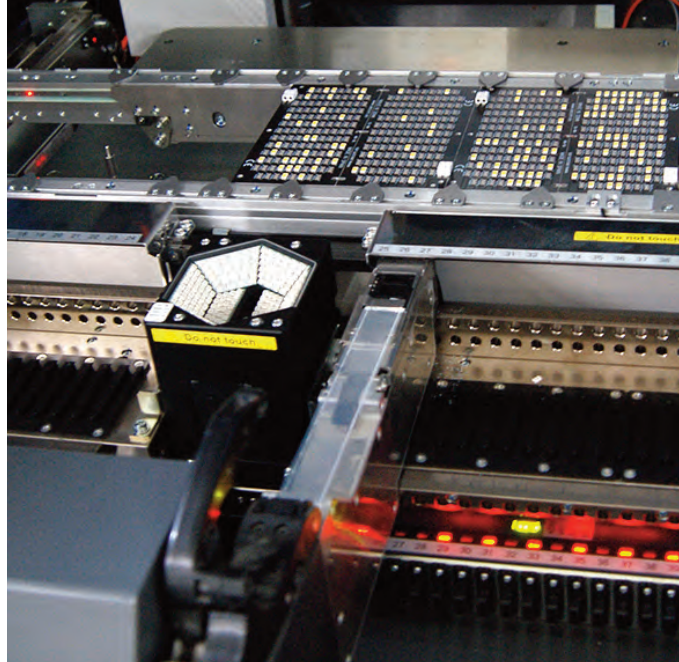


Automatic installation of tunnel for defosfating and degreasing, powder coating booth and polymerization oven.



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 final clients, Secom especially cares for the esthetic side of the fitting, light control and efficiency.

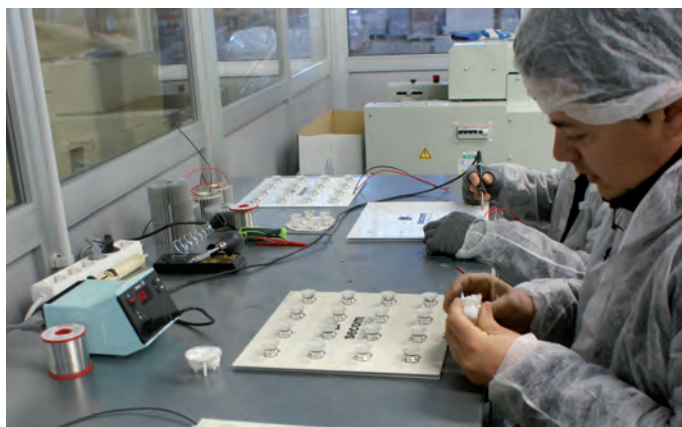
Secom, has a own laboratory for the assembly of LEDs



Secom, at the forefront of technology with a professional I+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 Iluminación invierte en formación constante.  
Lighting Secom invests in continuous training.



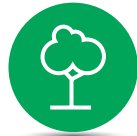
Máquina Pick & Place y horno de refusión por convección.  
Pick & Place robot and convection reflow oven.





Iluminación interior / **Indoor lighting**

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Outdoor lighting

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Industrial lighting

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Urban street lighting

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Sport lighting

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Accesories

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Technical information and references index

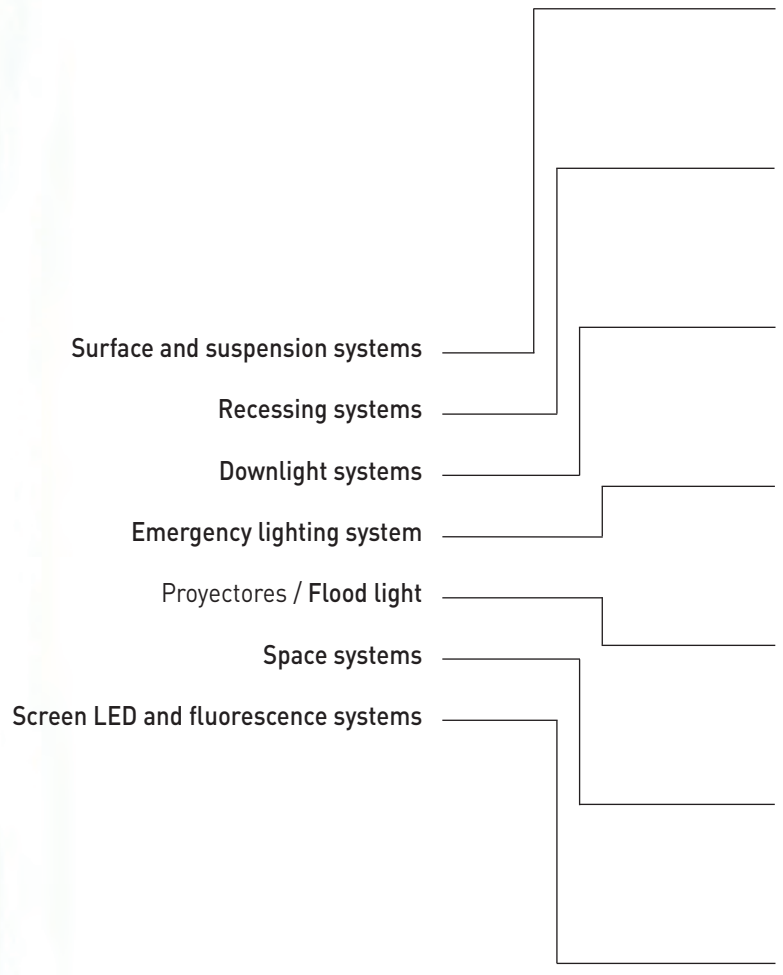
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# INDOOR LIGHTING

secocom

A close-up, low-angle shot of a white, circular ceiling light fixture. The fixture has a textured, concentric ring design. The brand name "secocom" is embossed on the left side of the fixture. In the center, a yellow LED chip is visible through a clear lens. The background is a bright, slightly blurred white ceiling.

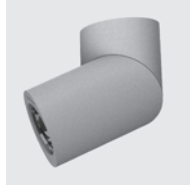




Boxter surface



Boxter Mini 16



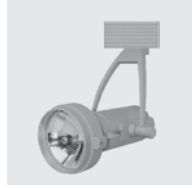
Boxter 18

Diri surface



Diri 20

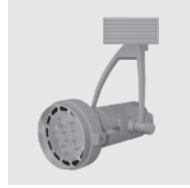
Proctom surface



Proctom 22



Proctom 23



Proctom 24



Proctom 24



Proctom 25

Arquik

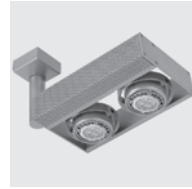


Arquik 26

Combox



Combox 1 lamp 28



Combox 2 lamps 29



Combox 3 lamps 30



Combox 4 lamps 31



Combox 1 lamp 34



Combox 2 lamps 34



Combox 3 lamps 35



Combox 4 lamps 35

Eslim / Aircom



Eslim suspension 37



Aircom circular s. 40



Aircom squ. susp. 41



Mini Aircom circ. s. 42



Mini Aircom squ. s. 43



**Polaris**



Polaris 46

**Lartub**



Lartub 47



Lartub susp. 48



Lartub pared 50mm 48  
Lartub wall 50mm



Lartub wall 49

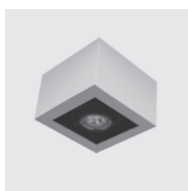


Lartub surface 50



Lartub suspension 51

**Minicom Surface**



Minicom surf. 1 lamp 54



Minicom surf. 2 lamps 54



Minicom surf. 3 lamps 55



Minicom surface 4 lamps 55

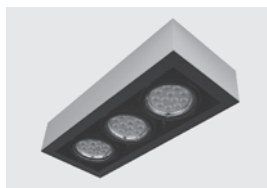
**Eurocom Surface**



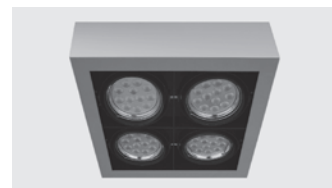
Eurocom S. 1 QR-111 56  
Eurocom S. 1 LED-111



Eurocom S. 2 QR-111 56  
Minicom S. 2 LED-111



Eurocom S. 3 QR-111 57  
Eurocom S. 3 LED-111



Eurocom S. 4 QR-111 57  
Eurocom S. 4 LED-111

**Suspension high bay**



Allur 58



Adra 61

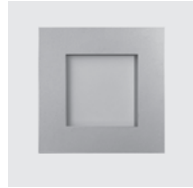
**Strip LED**



Cambo 62




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 Wall light


Bossem 210  
Bossem 280  
Bossem 470

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Evoque

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Dala

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Tular

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Kuga

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Ovel LED

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Apliq. y plafones cristal  
Glass soffit

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Wok superficie  
Wok surface

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Plafones y regletas  
Soffit and strip

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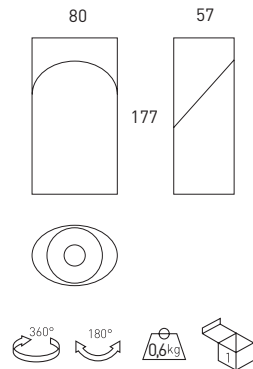


# BOXTER MINI SURFACE

Protection degree IP20



**Material:** Injected aluminium and thermo painted steel.  
**Optics:** Optics incorporated in the lamps with different open angles 12°/ 38°/ 54°.  
**Supply:** All models include control gear and lamps.  
**Lamps:** Osram LED modules composed Luxeon M Philips Lumiled with 5w and 9w power. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.  
**Life span:** Estimated average life span 50.000 hours.  
**Installation:** Directly screw on ceiling by screws (not included). It allows 360° rotation and oscillating up to 180°.  
**Colours:** White, black, matt chrome and titanium.



## Boxter Mini surface 5w



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	W	TP £
5005 01 5 84	White	455	5w	158,78
5005 02 5 84	Black	455	5w	163,84
5005 52 5 84	Matt Chrome	455	5w	163,84
5005 90 5 84	Titanium	455	5w	163,84

\* Standardly supplied with maximum lamp opening angle (38°)  
 \* Standardly supplied with 4000° K lamp.

## Boxter Mini surface 9w



Includes driver and LED lamp 9w

Ref.	Colour	Lum.	W	TP £
5005 01 9 84	White	905	9w	169,82
5005 02 9 84	Black	905	9w	174,12
5005 52 9 84	Matt Chrome	905	9w	174,12
5005 90 9 84	Titanium	905	9w	174,12

\* Standardly supplied with maximum lamp opening angle (38°)  
 \* Standardly supplied with 4000° K lamp.

PTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W 3000°K	4000°K	5000°K
Lumens Osram Oslon SSL	5w 400	455	455
	9w 800	905	905

Rough price increase of driver	TP £
Ref. C54 Matt lock diffuser 54° opening angle	3,00
Ref. 12 Opening angle 12°	5,60
Ref. CRI 90 CRI>90	20,60
Ref. DRF Dimmable driver edge phase	15,90



# BOXTER SURFACE

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps with different open angles. 16°/28°/54°.
- Supply:** All models include control gear and lamps.
- Lamps:** Osram LED modules composed Osram Oslon SSL with 13/26/31w power. Ra(CRI)>80 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** Directly screw on ceiling by screws (not included). It allows 360° rotation and oscillating up to 180°.
- Colours:** White, black, matt chrome and titanium.



Boxter surface 13w

Includes driver and LED lamp 13w

Ref.	Colour	Lum.	W	TP €
5001 01 13 84	White	1522	13w	189,80
5001 02 13 84	Black	1522	13w	194,10
5001 52 13 84	Matt Chrome	1522	13w	194,10
5001 90 13 84	Titanium	1522	13w	194,10

\* Standardly supplied with maximum lamp opening angle [54°]  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver			TP €
Ref. DR13	Dimmable driver 1-10v		29,90
Ref. DRD13	Dimmable driver Dali		32,60



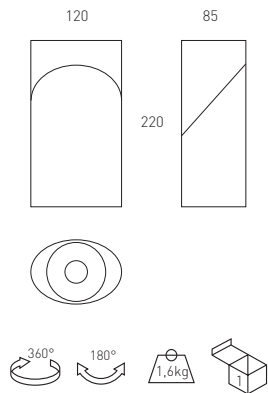
Boxter surface 26w

Includes driver and LED lamp 26w

Ref.	Colour	Lum.	W	TP €
5001 01 26 84	White	3045	26w	199,90
5001 02 26 84	Black	3045	26w	204,60
5001 52 26 84	Matt Chrome	3045	26w	204,60
5001 90 26 84	Titanium	3045	26w	204,60

\* Standardly supplied with maximum lamp opening angle [54°]  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver			TP €
Ref. DR26	Dimmable driver 1-10v		69,90
Ref. DRD26	Dimmable driver Dali		72,50



**Boxter surface 31w**

Includes driver and LED lamp 31w

Ref.	Colour	Lum.	W	TP €
5001 01 31 84	White	4060	31w	218,50
5001 02 31 84	Black	4060	31w	223,20
5001 52 31 84	Matt Chrome	4060	31w	223,20
5001 90 31 84	Titanium	4060	31w	223,20

\* Standardly supplied with maximum lamp opening angle [54°].  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver		TP €
Ref. DR31	Dimmable driver 1-10v	75,60
Ref. DRD31	Dimmable driver Dali	77,20

Rough price increase of lamp		TP €
Ref. CRI90	CRI > 90	20,60
Ref. 16	Opening angle 16°	5,60
Ref. 28	Opening angle 28°	5,80
Ref. 3410	Close reflector Boxter	5,80

**Rough increase of LED monocolour**

Ref.	Lamp	Colour LED.	W	TP €
5001 01 13 R	LED	Red ●	13w	9,00
5001 01 26 R	LED	Red ●	26w	18,00
5001 01 31 R	LED	Red ●	31w	21,00
5001 01 13 G	LED	Green ●	13w	9,00
5001 01 26 G	LED	Green ●	26w	18,00
5001 01 31 G	LED	Green ●	31w	21,00
5001 01 13 B	LED	Blue ●	13w	9,00
5001 01 26 B	LED	Blue ●	26w	18,00
5001 01 31 B	LED	Blue ●	31w	21,00

Rough price increase of lamp		13w	26W	31W
Ref. LPF	Fish - 4000K - CRI>90	12,00	18,00	19,00
Ref. LPB	Bread - 3000K - CRI>90	12,00	18,00	19,00
Ref. LCM	Meat - 2700K - CRI>90	12,00	18,00	19,00
Ref. LVV	Veg. and fruit - 4000K - CRI>90	12,00	18,00	19,00
Ref. 817	Wineries - 1700°K	9,00	18,00	21,00

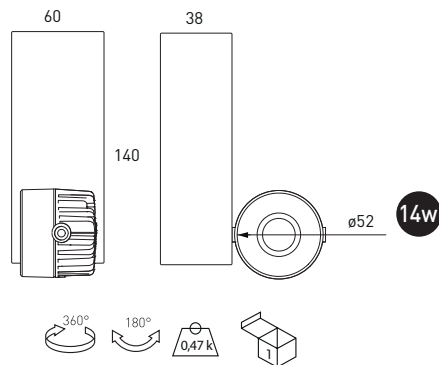
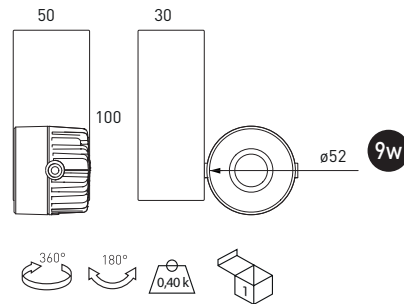
OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens Osram Oslon SSL	13w	1470	1522	1575
	26w	2940	3045	3150
	31w	3920	4060	4200

# DIRI SURFACE

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Optics incorporated in the lamps with open angles 43°.
- Supply:** All models include control gear and lamps.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled for 9w and Samsung for 14w. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** Directly screw on ceiling by screws (not included). It allows 360° rotation and oscillating up to 180°.
- Colours:** White, black, matt chrome and titanium.



## Dirí surface

Includes driver and LED lamp

Ref.	Colour	Lúmenes	W	TP £
180 01 09 84	White	905	9w	110,90
180 02 09 84	Black	905	9w	112,82
180 52 09 84	Matt chrome	905	9w	112,82
180 90 09 84	Titanium	905	9w	112,82

\* Standardly supplied with 4000° K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / LUMENS	9	800	905	905
	14	1700	1750	1805



## Dirí surface

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
180 01 14 84	White	1750	14w	124,04
180 02 14 84	Black	1750	14w	125,96
180 52 14 84	Matt chrome	1750	14w	125,96
180 90 14 84	Titanium	1750	14w	125,96

\* Standardly supplied with 4000° K lamp.

Rough price increase of accessories	TP £
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. CRI90 CRI>90 (3000°K / 4000°K)	7,00
Ref. E5 High power factor Driver. 5 year warranty	15,00
Ref. CM Matt closing	1,90



# PROCTOM SURFACE

Protection degree IP20



**Material:** Injected and extruded thermo painted aluminium.  
**Optics:** Optics incorporated in most of the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** Proctom's fixtures admit a wide range of lamps, with different power and consumption, suitable for any type of lighting application.

## DOMESTIC USE:

- Dichroic halogen 12v50w.
- Direct Halogen GU-10 220v.
- LED / RGB lamps.
- QR-111 lamps.

## OFFICES AND COMMERCIAL AREAS:

- Dichroic halogen 12v50w.
- Direct Halogen GU-10 220v.
- LED lamps.
- QR-111 lamps.
- CDM-R 111.

**Installation:** Directly screw on ceiling by screws (not included). It allows 360° rotation and oscillating up to 150°.

**Colours:** White, black, matt chrome and titanium.

secom **5** days  
bespoke

secom **72** hours  
FREE delivery

## Proctom surface QR

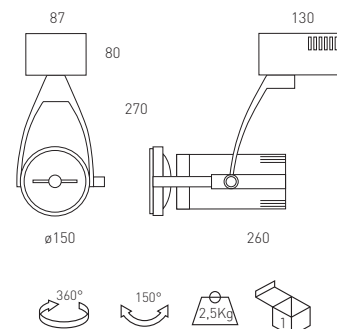


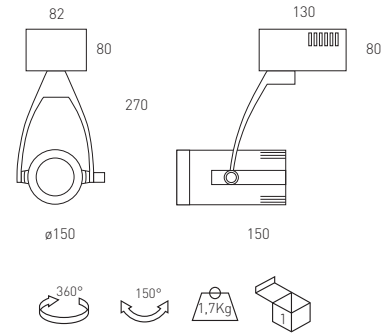
Includes electronic equipments and QR-111 lamp.

Ref.	Colour	Lamp.	Port./ L/H	W	TP £
001Q 01 35	White	QR-111	G53	35w	106,69
001Q 02 35	Black	QR-111	G53	35w	109,89
001Q 52 35	Matt Chrome	QR-111	G53	35w	109,89
001Q 90 35	Titanium	QR-111	G53	35w	109,89
001Q 01 50	White	QR-111	G53	50w	106,69
001Q 02 50	Black	QR-111	G53	50w	109,89
001Q 52 50	Matt Chrome	QR-111	G53	50w	109,89
001Q 90 50	Titanium	QR-111	G53	50w	109,89
001Q 01 60	White	QR-111	G53	60w	116,50
001Q 02 60	Black	QR-111	G53	60w	120,00
001Q 52 60	Matt Chrome	QR-111	G53	60w	120,00
001Q 90 60	Titanium	QR-111	G53	60w	120,00
001Q 01 75	White	QR-111	G53	75w	113,41
001Q 02 75	Black	QR-111	G53	75w	116,82
001Q 52 75	Matt Chrome	QR-111	G53	75w	116,82
001Q 90 75	Titanium	QR-111	G53	75w	116,82

\* Standardly supplied with maximum lamp opening angle.

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





Proctom surface LED 7w



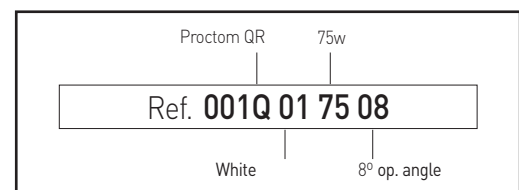
Includes LED lamp 7w

Ref.	Colour	Lum.	Port./L/H	W	TP £
001L 01 07 83	White	400	GU-10	7w	99,80
001L 02 07 83	Black	400	GU-10	7w	106,50
001L 52 07 83	Matt Chrome	400	GU-10	7w	106,50
001L 90 07 83	Titanium	400	GU-10	7w	106,50

\* Standardly supplied with 3000° K dimmable lamp.



Example to compose a reference with options





Proctom surface LED-111



Includes driver and LED-111 lamp.

Ref.	Colour	Lum.	Port./ L/H	W	€
001B 01 12 83	White	630	-	11w	181,09
001B 02 12 83	Black	630	-	11w	184,29
001B 52 12 83	Matt Chrome	630	-	11w	184,29
001B 90 12 83	Titanium	630	-	11w	184,29

\* Standardly supplied with 3000° K lamp.

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650



Proctom surface CDM-R 111

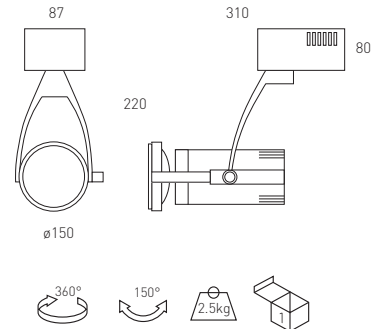


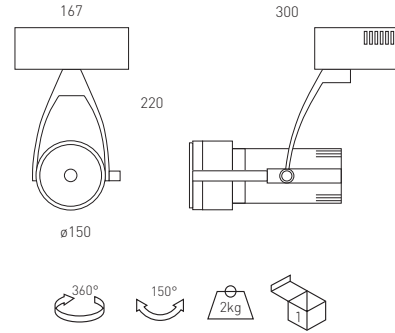
Includes electronic equipments and CDM-R 111 lamp

Ref.	Colour	Lamp.	Port./ L/H	W	TP €
001R 01 35	White	CDM-R 111	GX8.5	35w	307,9
001R 02 35	Black	CDM-R 111	GX8.5	35w	317,15
001R 52 35	Matt Chrome	CDM-R 111	GX8.5	35w	317,15
001R 90 35	Titanium	CDM-R 111	GX8.5	35w	317,15
001R 01 70	White	CDM-R 111	GX8.5	70w	307,94
001R 02 70	Black	CDM-R 111	GX8.5	70w	317,17
001R 52 70	Matt Chrome	CDM-R 111	GX8.5	70w	317,17
001R 90 70	Titanium	CDM-R 111	GX8.5	70w	317,17

\* Standardly supplied with maximum lamp opening angle.  
 \* Standardly supplied with 3000° K lamp / CRI>90

OPTIONS	Ref. 10	Ref. 24	Ref. 40
CRI>90 / Opening angle	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•





**Proctom LED**

includes driver and LED 25w

Ref.	Colour	Lamp.	Lumens	W	TP £
001B 01 25 84	White	LED	3045	25w	238,80
001B 02 25 84	Black	LED	3045	25w	243,40
001B 52 25 84	Matt Chrome	LED	3045	25w	243,40
001B 90 25 84	Titanium	LED	3045	25w	243,40

\* Standardly supplied with 4000°K lamp.

OPCIONES / OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens LED 25w	2940	3045	3150



Rough price increase of driver		TP £
Ref. CRI90	CRI > 90	20,60
Ref. DR	Driver dimmable 1 - 10v	49,90
Ref. DRD	Driver dimmable Dali	57,40

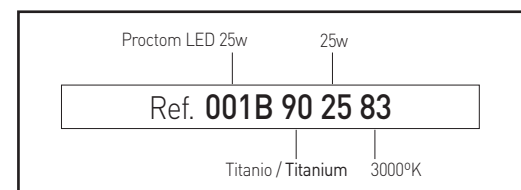
**Rough increase of LED monocolour**

Ref.	Lamp.	Colour LED.	W	TP £
001B 01 25 R	LED	Red	25w	18,00
001B 01 25 G	LED	Green	25w	18,00
001B 01 25 B	LED	Blue	25w	18,00

**Rough price increase of lamp**

Rough price increase of lamp		25W
Ref. LPF	Fish - 4000K - CRI>90	18,00
Ref. LPB	Bread - 3000K - CRI>90	18,00
Ref. LCM	Meat - 2700K - CRI>90	18,00
Ref. LVV	Veg. and fruit - 4000K - CRI>90	18,00
Ref. 817	Wineries - 1700°K	18,00

Ejemplo para componer referencia con opciones  
Example to compose a reference with options



# ARQUIK SURFACE

Protection degree IP20



**Material:** Injected aluminium and thermo painted steel.  
**Optics:** Optics incorporated in the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It admits LED philips Lumiled, QR-111, CDM-R 111, and LED-111 lamps, suitable for domestic or commercial areas.  
**Installation:** Directly screw on ceiling by screws (not included). Oscillating up to 150°.  
**Colours:** White, black, matt chrome and titanium.

secom **5** days  
bespoke

secom **72** hours  
FREE delivery

## Arquik surface LED-111



Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
3068L 01 12 83	White	630	-	11w	243,38
3068L 02 12 83	Black	630	-	11w	247,70
3068L 52 12 83	Matt Chrome	630	-	11w	247,70
3068L 90 12 83	Titanium	630	-	11w	247,70

\* Standardly supplied with LED 3000° K lamp

OPTIONS LED-111	Ref. 83	Ref. 84
Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650



Arquik surface LED 11 w

## Arquik superficie CDM-R 111 / Arquik surface CDM-R 111



Includes electronic equipments and CDM-R 111 lamp

Ref.	Colour	Lamp.	Port./L/H	W	TP £
3068R 01 35	White	CDM-R	GX8.5	35w	366,26
3068R 02 35	Black	CDM-R	GX8.5	35w	370,59
3068R 52 35	Matt Chrome	CDM-R	GX8.5	35w	370,61
3068R 90 35	Titanium	CDM-R	GX8.5	35w	370,63
3068R 01 70	White	CDM-R	GX8.5	70w	366,57
3068R 02 70	Black	CDM-R	GX8.5	70w	370,90
3068R 52 70	Matt Chrome	CDM-R	GX8.5	70w	370,92
3068R 90 70	Titanium	CDM-R	GX8.5	70w	370,94

\* Standardly supplied with maximum lamp opening angle.

\* Standardly supplied with 3000° K lamp / CRI>90

OPTIONS	Ref. 10	Ref. 24	Ref. 40
CRI>90 / Opening angle	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

OPTIONS	Ref. 83	Ref. 84
CRI>90 / Colour temperature	3000K°	4000°K
CDM-R 111 35w / 70w	•	•

## Arquik surface QR-111



Includes electronic equipments and QR-111 lamp

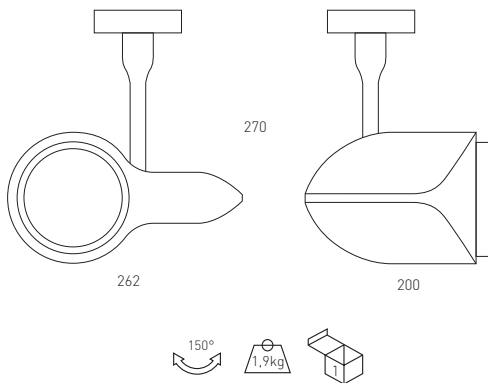
Ref.	Color / Colour	Lamp.	Port./L/H	W	TP £
3068 01 35 24	White	QR-111	G53	35w	168,98
3068 02 35 24	Black	QR-111	G53	35w	173,30
3068 52 35 24	Matt Chrome	QR-111	G53	35w	173,30
3068 90 35 24	Titanium	QR-111	G53	35w	173,30
3068 01 50 45	White	QR-111	G53	50w	164,08
3068 02 50 45	Black	QR-111	G53	50w	173,30
3068 52 50 45	Matt Chrome	QR-111	G53	50w	173,32
3068 90 50 45	Titanium	QR-111	G53	50w	173,34
3068 01 60 45	White	QR-111	G53	60w	175,51
3068 02 60 45	Black	QR-111	G53	60w	182,92
3068 52 60 45	Matt Chrome	QR-111	G53	60w	182,94
3068 90 60 45	Titanium	QR-111	G53	60w	182,96
3068 01 75 45	White	QR-111	G53	75w	175,57
3068 02 75 45	Black	QR-111	G53	75w	179,89
3068 52 75 45	Matt Chrome	QR-111	G53	75w	179,91
3068 90 75 45	Titanium	QR-111	G53	75w	179,93

\* Standardly supplied with maximum lamp opening angle.

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



Arquik surface LED 25w



Arquik surface LED 25w

Includes driver and LED 25w lamp

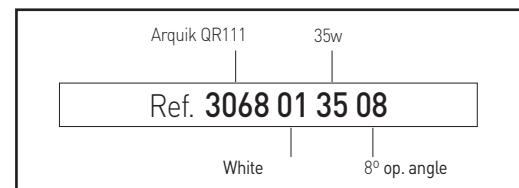
Ref.	Colour	Lamp.	Lumens	W	TP €
3068L 01 23 84	White	LED	3045	25w	284,10
3068L 02 23 84	Black	LED	3045	25w	288,50
3068L 52 23 84	Matt Chrome	LED	3045	25w	288,50
3068L 90 23 84	Titanium	LED	3045	25w	288,50

\* Standardly supplied with LED 4000° K lamp

Rough price increase of driver		TP €
Ref. DR	Driver dimmable 1-10V	49,90
Ref. DRD	Driver dimmable Dali	57,90

OPCIONES / OPTIONS LED 25w	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Lumens LED 25w	2940	3045	3150

Example to compose a reference with options



# COMBOX SURFACE - SUSPENSION

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Combox's fixtures admit LED, LED-111, QR-111 and CDM-R 111, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling by screws (not included) or by suspension kit with a standard 1 meter suspension kit. It allows 345° rotation and oscillating up to 120°.
- Colours:** Black, matt chrome and titanium.



Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
020L 02 01 05 83	Black	250	GU-10	1x5w	149,59
020L 52 01 05 83	Matt Chrome	250	GU-10	1x5w	149,59
020L 90 01 05 83	Titanium	250	GU-10	1x5w	149,59

\* Standardly supplied with 3000° K lamp

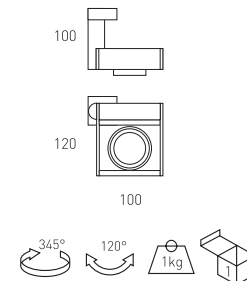
OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	250

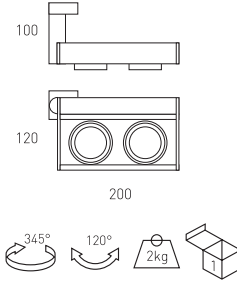


Includes LED lamp 7w

Ref.	Colour	Lum.	Port./ L/H	W	TP £
020L 02 01 07 83	Black	400	GU-10	1x7w	171,46
020L 52 01 07 83	Matt Chrome	400	GU-10	1x7w	171,46
020L 90 01 07 83	Titanium	400	GU-10	1x7w	171,46

\* Standardly supplied with 3000°K dimmable lamp.





Includes driver and LED lamp 5W



Ref.	Colour	Lum.	Port.	W	TP £
020L 02 02 05 83	Black	500	GU-10	2x5w	209,17
020L 52 02 05 83	Matt Chrome	500	GU-10	2x5w	209,17
020L 90 02 05 83	Titanium	500	GU-10	2x5w	209,17

\* Standardly supplied with 3000° K lamp

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 2x5w	500	500

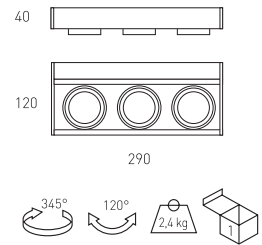


Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP £
020L 02 02 07 83	Black	800	GU-10	2x7w	252,90
020L 52 02 07 83	Matt Chrome	800	GU-10	2x7w	252,90
020L 90 02 07 83	Titanio / Titanium	800	GU-10	2x7w	252,90

\* Standardly supplied with 3000°K dimmable lamp





Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP €
020L 02 03 05 83	Black	750	GU-10	3x5w	269,90
020L 52 03 05 83	Matt Chrome	750	GU-10	3x5w	269,90
020L 90 03 05 83	Titanium	750	GU-10	3x5w	269,90

\* Standardly supplied with 3000° K lamp

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 3x5w	750	750

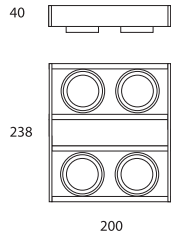


Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP €
020L 02 03 07 83	Black	1200	GU-10	3x7w	332,76
020L 52 03 07 83	Matt Chrome	1200	GU-10	3x7w	332,76
020L 90 03 07 83	Titanium	1200	GU-10	3x7w	332,76

\* Standardly supplied with 3000°K dimmable lamp.





Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP €
020L 02 04 05 83	Black	1000	GU-10	4x5w	384,90
020L 52 04 05 83	Matt Chrome	1000	GU-10	4x5w	384,90
020L 90 04 05 83	Titanium	1000	GU-10	4x5w	384,90

\* Standardly supplied with 3000° K lamp

OPCIONES / OPTIONS LED 5w

	Ref. 83	Ref. 84
CRI>80 / Temperatura de color / Colour temperature	3000K°	4000°K
Lumens LED 4x5w	1000	1000



Includes LED lamp 7w

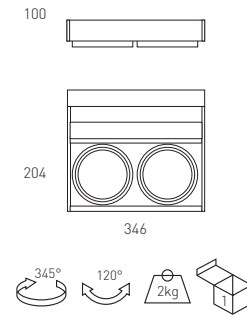
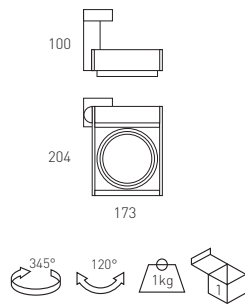
Ref.	Colour	Lum.	Port.	W	TP €
020L 02 04 07 83	Negro / Black	1600	GU-10	4x7w	471,56
020L 52 04 07 83	Cromo mate / Matt Chrome	1600	GU-10	4x7w	471,56
020L 90 04 07 83	Titanio / Titanium	1600	GU-10	4x7w	471,56

\* Standardly supplied with 3000° K dimmable lamp









Combox surface QR-111 1 lamp



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
022 01 01 35 24	White	QR-111	G53	1x35w	177,24
022 01 02 35 24	Black	QR-111	G53	1x35w	177,24
022 01 52 35 24	Matt Chrome	QR-111	G53	1x35w	177,24
022 01 90 35 24	Titanium	QR-111	G53	1x35w	177,24
022 01 01 50 45	White	QR-111	G53	1x50w	177,24
022 01 02 50 45	Black	QR-111	G53	1x50w	177,24
022 01 52 50 45	Matt Chrome	QR-111	G53	1x50w	177,24
022 01 90 50 45	Titanium	QR-111	G53	1x50w	177,24
022 01 01 60 45	White	QR-111	G53	1x60w	185,35
022 01 02 60 45	Black	QR-111	G53	1x60w	185,35
022 01 52 60 45	Matt Chrome	QR-111	G53	1x60w	185,35
022 01 90 60 45	Titanium	QR-111	G53	1x60w	185,35

\* Standardly supplied with maximum lamp opening angle.

Combox surface QR-111 2 lamps



Includes electronic equipments and lamps QR-111

Ref.	Colour	Lamp.	Port.	W	TP £
022 02 01 35 24	White	QR-111	G53	2x35w	246,00
022 02 02 35 24	Black	QR-111	G53	2x35w	246,00
022 02 52 35 24	Matt Chrome	QR-111	G53	2x35w	246,00
022 02 90 35 24	Titanium	QR-111	G53	2x35w	246,00
022 02 01 50 45	White	QR-111	G53	2x50w	246,00
022 02 02 50 45	Black	QR-111	G53	2x50w	246,00
022 02 52 50 45	Matt Chrome	QR-111	G53	2x50w	246,00
022 02 90 50 45	Titanium	QR-111	G53	2x50w	246,00
022 02 01 60 45	White	QR-111	G53	2x60w	262,23
022 02 02 60 45	Black	QR-111	G53	2x60w	262,23
022 02 52 60 45	Matt Chrome	QR-111	G53	2x60w	262,23
022 02 90 60 45	Titanium	QR-111	G53	2x60w	262,23

\* Standardly supplied with maximum lamp opening angle.

Combox surface LED-111 1 lamp



Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
022B 01 01 12 83	White	630	-	1x11w	251,64
022B 01 02 12 83	Black	630	-	1x11w	256,44
022B 01 52 12 83	Matt Chrome	630	-	1x11w	256,44
022B 01 90 12 83	Titanium	630	-	1x11w	256,44

\* Standardly supplied with 3000° K lamp

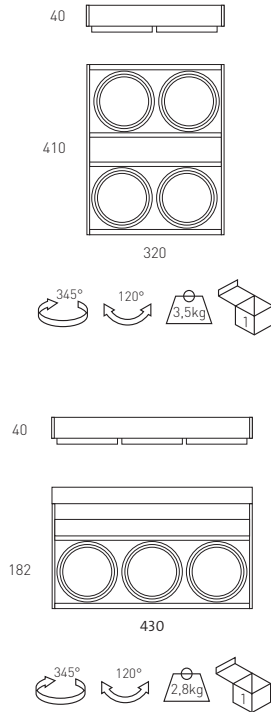
Combox surface LED-111 2 lamps



Incluye driver y lámpara LED-111 / Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
022B 02 01 12 83	White	1260	-	2x11w	394,80
022B 02 02 12 83	Black	1260	-	2x11w	399,60
022B 02 52 12 83	Matt Chrome	1260	-	2x11w	399,60
022B 02 90 12 83	Titanium	1260	-	2x11w	399,60

\* Standardly supplied with 3000° K lamp



**Combox QR-111 3 lamps**



Includes electronic equipments and lamps QR-111

Ref.	Colour	Lamp.	Port.	W	TP €
022 03 01 35 24	White	QR-111	G53	3x35w	299,68
022 03 02 35 24	Black	QR-111	G53	3x35w	308,67
022 03 52 35 24	Matt Chrome	QR-111	G53	3x35w	308,67
022 03 90 35 24	Titanium	QR-111	G53	3x35w	308,67
022 03 01 50 45	White	QR-111	G53	3x50w	299,68
022 03 02 50 45	Black	QR-111	G53	3x50w	308,67
022 03 52 50 45	Matt Chrome	QR-111	G53	3x50w	308,67
022 03 90 50 45	Titanium	QR-111	G53	3x50w	308,67
022 03 01 60 45	White	QR-111	G53	3x60w	313,91
022 03 02 60 45	Black	QR-111	G53	3x60w	333,01
022 03 52 60 45	Matt Chrome	QR-111	G53	3x60w	333,01
022 03 90 60 45	Titanium	QR-111	G53	3x60w	333,01

\* Standardly supplied with maximum lamp opening angle.

OPCIONES / OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Ángulo apertura / Opening angle	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	Lum.	Port.	W	TP €
022B 03 01 12 83	White	1890	-	3x11w	522,80
022B 03 02 12 83	Black	1890	-	3x11w	531,90
022B 03 52 12 83	Matt Chrome	1890	-	3x11w	531,90
022B 03 90 12 83	Titanium	1890	-	3x11w	531,90

\* Standardly supplied with 3000° K lamp

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650



**Combox suspension QR 4 lamps (includes suspension kit)**



Includes electronic equipment and lamps QR-111

Ref.	Colour	Lamp.	Port.	W	TP €
022 04 01 35 24	White	QR-111	G53	4x35w	429,10
022 04 02 35 24	Black	QR-111	G53	4x35w	441,97
022 04 52 35 24	Matt Chrome	QR-111	G53	4x35w	441,97
022 04 90 35 24	Titanium	QR-111	G53	4x35w	441,97
022 04 01 50 45	White	QR-111	G53	4x50w	429,10
022 04 02 50 45	Black	QR-111	G53	4x50w	441,97
022 04 52 50 45	Matt Chrome	QR-111	G53	4x50w	441,97
022 04 90 50 45	Titanium	QR-111	G53	4x50w	441,97
022 04 01 60 45	White	QR-111	G53	4x60w	460,62
022 04 02 60 45	Black	QR-111	G53	4x60w	474,43
022 04 52 60 45	Matt Chrome	QR-111	G53	4x60w	474,43
022 04 90 60 45	Titanium	QR-111	G53	4x60w	474,43

\* Standardly supplied with maximum lamp opening angle.

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



Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP €
022B 04 01 12 83	White	2520	-	4x11w	726,70
022B 04 02 12 83	Black	2520	-	4x11w	739,60
022B 04 52 12 83	Matt Chrome	2520	-	4x11w	739,60
022B 04 90 12 83	Titanium	2520	-	4x11w	739,60

\* Standardly supplied with 3000° K lamp

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



Includes electronic equipments and CDM-R 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
022R 04 01 35	White	CDM-R	GX8.5	4x35w	987,66
022R 04 02 35	Black	CDM-R	GX8.5	4x35w	1017,28
022R 04 52 35	Matt Chrome	CDM-R	GX8.5	4x35w	1017,28
022R 04 90 35	Titanium	CDM-R	GX8.5	4x35w	1017,28

\* Standardly supplied with maximum lamp opening angle.

\* Standardly supplied with 3000° K lamp

OPTIONS	Ref. 10	Ref. 24	Ref. 40
CRI>90 / Opening angle	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•





# ESLIM SUSPENSION

Protection degree IP43



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Compose by modules with LEDs Osram Duris E3 Plus with total power of 20, 40 and 60w respectively.
- Installation:** By ceiling suspension of one meter in length (standard).
- Colours:** White, black, matt chrome and titanium.



## Eslim 600x95 suspension 20w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Measure	Lum.	W	TP £
4181 01 84	White	600x95	2000	20w	192,40
4181 02 84	Black	600x95	2000	20w	194,80
4181 52 84	Matt Chrome	600x95	2000	20w	194,80
4181 90 84	Titanium	600x95	2000	20w	194,80

\* Standardly supplied with 4000° K LED lamp.

## Eslim 600x300 suspension 20w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Measure	Lum.	W	TP £
4218 01 84	White	600x300	2000	20w	206,40
4218 02 84	Black	600x300	2000	20w	208,40
4218 52 84	Matt Chrome	600x300	2000	20w	208,40
4218 90 84	Titanium	600x300	2000	20w	208,40

\* Standardly supplied with 4000° K LED lamp.

Ref.	TP £
<b>Rough price increase of driver 20W</b>	
Ref. DR20 Driver dimmable 1-10V	46,20
Ref. DRD20 Driver dimmable Dali	52,20
Ref. DRP20 Dimmable driver with push button	62,40
Ref. PCFT Lighting control system surface for DR20	54,90
Ref. 3420 Wire connector for DR20	9,60
Ref. DM8 Motion detector Integrated in the luminaire	30,00

## Eslim 600x600 suspension 40w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Measure	Lum.	W	TP £
4210 01 84	White	600x600	4000	40w	191,40
4210 02 84	Black	600x600	4000	40w	195,90
4210 52 84	Matt Chrome	600x600	4000	40w	195,90
4210 90 84	Titanium	600x600	4000	40w	195,90

\* Standardly supplied with 4000° K LED lamp.

Ref.	TP £
<b>Rough price increase of driver 40W</b>	
Ref. DR40 Driver dimmable 1-10V	49,40
Ref. DRD40 Driver dimmable Dali	56,90
Ref. DRP40 Dimmable driver with push button	66,50
Ref. PCFT Lighting control system surface for DR20	54,90
Ref. 3420 Wire connector for DR20	9,60
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. CF23 Mini flux control Integrated in the luminaire	44,00



### 1200x95 suspension 40w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Measure	Lum.	W	TP €
4182 01 84	White	1200x95	4000	40w	312,80
4182 02 84	Black	1200x95	4000	40w	314,60
4182 52 84	Matt Chrome	1200x95	4000	40w	314,60
4182 90 84	Titanium	1200x95	4000	40w	314,60

\* Standardly supplied with 4000° K LED lamp.

### Eslim LED 1200x300 suspension 40w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Measure	Lum.	W	TP €
4219 01 84	White	1200x300	4000	40w	351,80
4219 02 84	Black	1200x300	4000	40w	354,60
4219 52 84	Matt Chrome	1200x300	4000	40w	354,60
4219 90 84	Titanium	1200x300	4000	40w	354,60

\* Standardly supplied with 4000° K LED lamp.

Incremento respecto al driver 40W / Rough price increase of driver 40W

Ref.	Description	TP €
Ref. DR40	Driver dimmable 1-10V	49,40
Ref. DRD40	Driver dimmable Dali	56,90
Ref. DRP40	Dimmable driver with push button	66,50
Ref. PCFT	Lighting control system for DR20	54,90
Ref. 3420	Wire connector for DR20	9,60
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00

### Eslim LED 1200x600 suspension 60w



Includes suspension kit, driver and LED lamps.

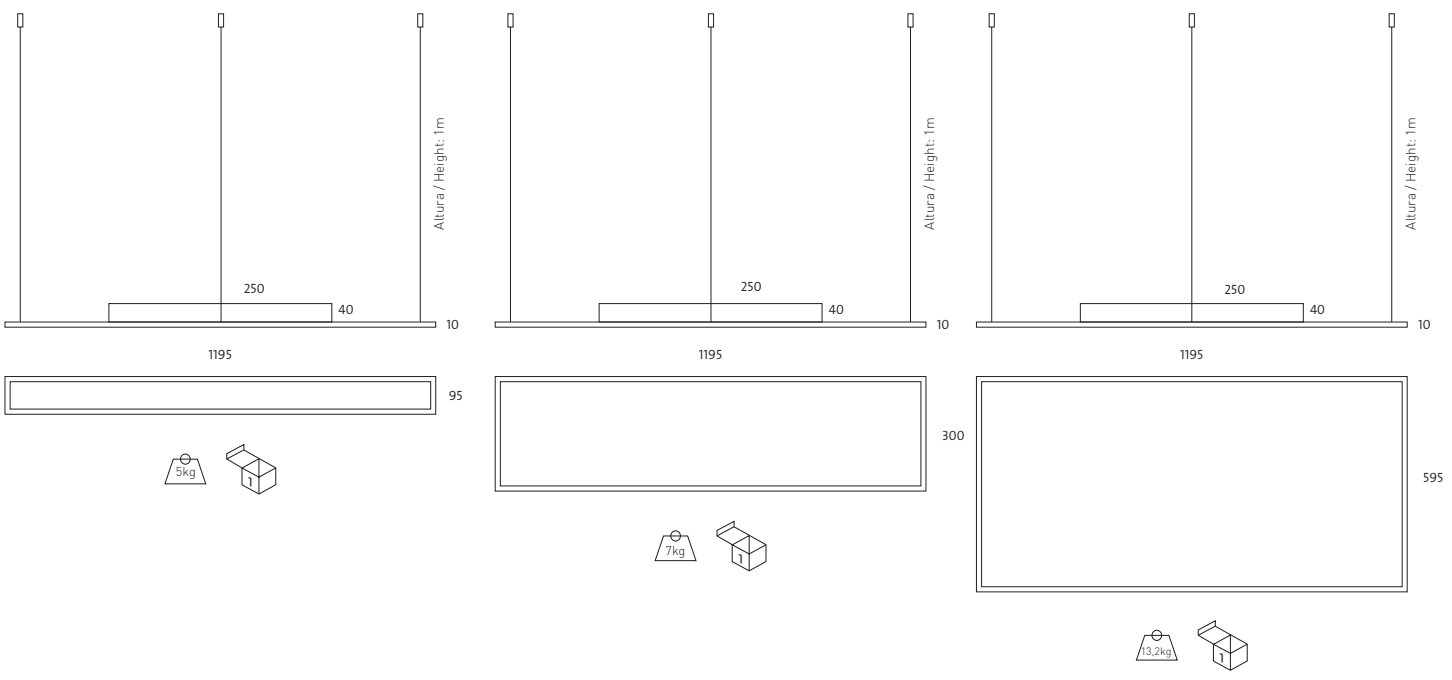
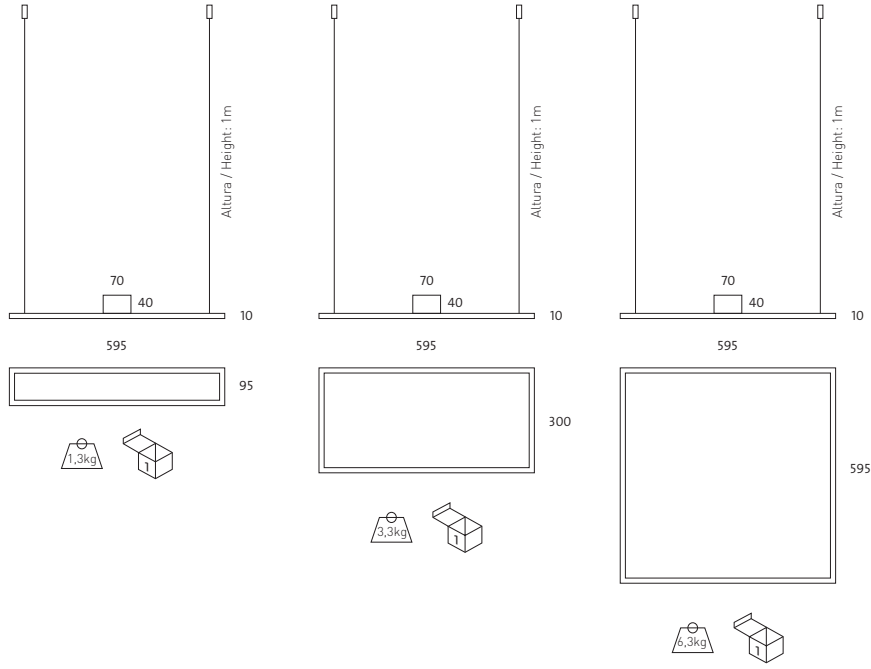
Ref.	Colour	Measure	Lum.	W	TP €
4211 01 84	White	1200x600	6000	60w	409,30
4211 02 84	Black	1200x600	6000	60w	411,20
4211 52 84	Matt Chrome	1200x600	6000	60w	411,20
4211 90 84	Titanium	1200x600	6000	60w	411,20

\* Standardly supplied with 4000° K LED lamp.

Rough price increase of driver 60W

Ref.	Description	TP €
Ref. DR60	Driver dimmable 1-10V	92,40
Ref. DRD60	Driver dimmable Dali	105,60
Ref. DRP60	Dimmable driver with push button	124,80
Ref. PCFT	Lighting control system surface for DR20	54,90
Ref. 3420	Wire connector for DR20	9,60
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1814	2000	2271
Lum 40w	3628	4000	4543
Lum 60w	5442	6000	6814





# AIRCOM SUSPENSION

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Composed by modules with 49 and 63 LED Osram Duris E5 with a total power of 15W / 20W.
- Installation:** By ceiling suspension of one meter in length (standard).
- Colours:** White, black, matt chrome and titanium.

secom **5** days  
bespoke

secom **72** hours  
FREE delivery



## Aircom LED circular susp. 15w

Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4222 01 84	White	1740	15w	156,60
4222 02 84	Black	1740	15w	160,50
4222 52 84	Matt Chrome	1740	15w	160,50
4222 90 84	Titanium	1740	15w	160,50

\* Se suministra de manera estándar con LED 4000° K.

\* Standardly supplied with 4000° K LED lamp.

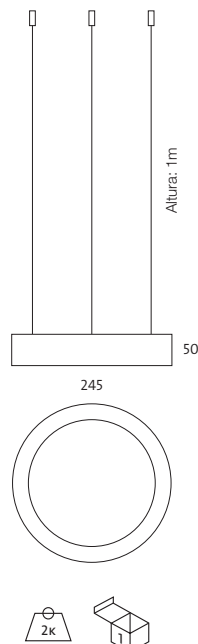


## Aircom LED circular susp. 20w

Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4222 20 01 84	White	2677	20w	161,90
4222 20 02 84	Black	2677	20w	167,00
4222 20 52 84	Matt Chrome	2677	20w	167,00
4222 20 90 84	Titanium	2677	20w	167,00

\* Standardly supplied with 4000° K LED lamp.



Rough price increase of driver	TP €
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DRP Dimmable driver with push button	62,50
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. CF23 Mini flux control Integrated in the luminaire	44,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 15w	1600	1740	2000
Lum 20w	2835	3150	3150

# AIRCUM SQUARE SUSPENSION

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Composed by modules with 320 LEDs Osram Duris E3 and 96 LEDs Osram Duris E5 with a total power of 20 / 26w.
- Installation:** By ceiling suspension of one meter in length (standard).
- Colours:** White, black, matt chrome and titanium.



## Aircum LED square susp. 20w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4225 01 84	White	2677	20w	206,80
4225 02 84	Black	2677	20w	210,24
4225 52 84	Matt Chrome	2677	20w	210,24
4225 90 84	Titanium	2677	20w	210,24

\* Standardly supplied with 4000° K LED lamp.

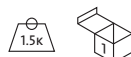
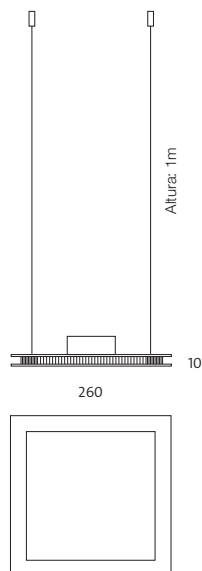
## Aircum LED square susp. 26w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4225 26 01 84	White	3386	26w	208,44
4225 26 02 84	Black	3386	26w	212,76
4225 26 52 84	Matt Chrome	3386	26w	212,76
4225 26 90 84	Titanium	3386	26w	212,76

\* Standardly supplied with 4000° K LED lamp.



Rough price increase of driver		TP €
Ref. DR	Driver dimmable 1-10V	49,40
Ref. DRD	Driver dimmable Dali	56,90
Ref. DRP	Dimmable driver with push button	66,50
Ref. 3416	Emergency Kit for LEDs higher than 6w	105,60
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	2600	2677	2677
Lum 26w	3300	3386	3386

## MINI AIRCOM CIRCULAR SUSPENSION

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Composed by modules with 136 LEDs Osram Duris E3 with a total power of 9w.
- Installation:** By ceiling suspension of 1 meter in length (standard).
- Colours:** White, black, matt chrome and titanium.

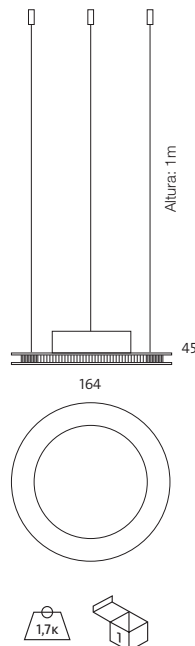


### Mini Aircom circular susp. 9w

Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4208 01 84	White	1044	9w	141,70
4208 02 84	Black	1044	9w	146,52
4208 52 84	Matt Chrome	1044	9w	146,52
4208 90 84	Titanium	1044	9w	146,52

\* Standardly supplied with 4000° K LED lamp.



		TP €
<b>Rough price increase of accessories</b>		
Ref. DR	Dimmable driver 1 - 10v	47,40
Ref. DRD	Dimmable driver Dali	52,90
Ref. DRP	Dimmable driver with push button	62,50
Ref. PCFT	Lighting control system surface for DR20	54,90
Ref. 3420	Wire connector for DR	9,60
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 9w	960	1044	1200

# MINI AIRCOM SQUARE SUSPENSION

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Composed by modules with 204 LED Osram Duris E3, with a total power of 13w.
- Installation:** By ceiling suspension of 1 meter in length (standard).
- Colours:** White, black, matt chrome and titanium.

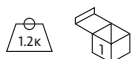
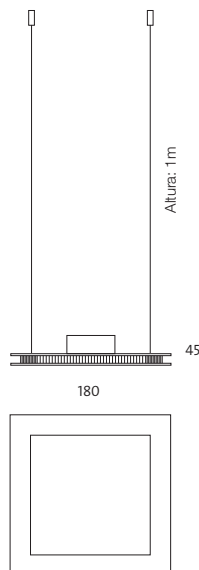


## Mini Aircom square susp. 13w

Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4252 01 84	White	1281	13w	184,32
4252 02 84	Black	1281	13w	188,64
4252 52 84	Matt Chrome	1281	13w	188,64
4252 90 84	Titanium	1281	13w	188,64

\* Standardly supplied with 4000° K LED lamp.



Rough price increase of accessories		TP €
Ref. DR	Dimmable driver 1 - 10v	47,40
Ref. DRD	Dimmable driver Dali	52,90
Ref. DRP	Dimmable driver with push button	62,50
Ref. PCFT	Lighting control system surface for DR20	54,90
Ref. 3420	Wire connector for DR	9,60
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 13w	1189	1281	1485



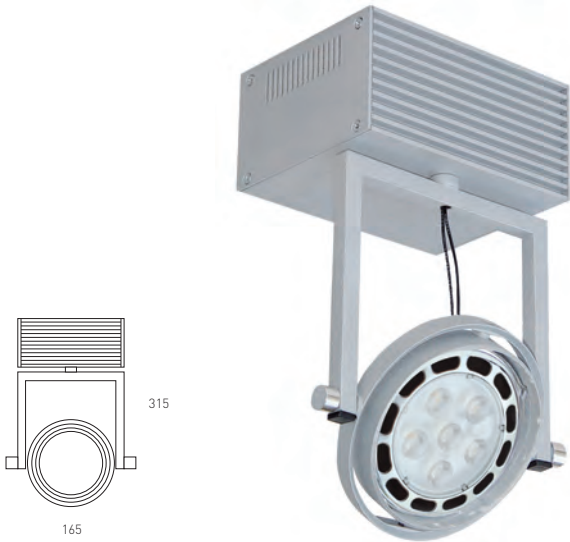


# POLARIS QR-111 / CDM-R 111 / LED-111

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen lamps QR-111, metal halide CDMR-111 lamps and LED-111 lamps, suitable for public or commercial areas.
- Installation:** Directly screw on ceiling by screws (not supplies).
- Colours:** White, black, matt chrome and titanium.



## Polaris QR-111

Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port./L/H	W	TP £
713Q 01 35	White	QR-111	G53	35w	115,27
713Q 02 35	Black	QR-111	G53	35w	118,72
713Q 52 35	Matt Chrome	QR-111	G53	35w	118,72
713Q 90 35	Titanium	QR-111	G53	35w	118,72
713Q 01 50	White	QR-111	G53	50w	115,72
713Q 02 50	Black	QR-111	G53	50w	118,72
713Q 52 50	Matt Chrome	QR-111	G53	50w	118,72
713Q 90 50	Titanium	QR-111	G53	50w	118,72
713Q 01 60	White	QR-111	G53	60w	126,17
713Q 02 60	Black	QR-111	G53	60w	129,95
713Q 52 60	Matt Chrome	QR-111	G53	60w	129,95
713Q 90 60	Titanium	QR-111	G53	60w	129,95
713Q 01 75	White	QR-111	G53	75w	121,99
713Q 02 75	Black	QR-111	G53	75w	125,64
713Q 52 75	Matt Chrome	QR-111	G53	75w	125,64
713Q 90 75	Titanium	QR-111	G53	75w	125,64

\* Standardly supplied with maximum lamp opening angle.

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

## Polaris LED-111



Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port./L/H	W	TP £
713B 01 12 83	White	630	-	11w	189,80
713B 02 12 83	Black	630	-	11w	193,12
713B 52 12 83	Matt Chrome	630	-	11w	193,12
713B 90 12 83	Titanium	630	-	11w	193,12

\* Standardly supplied with 3000° K lamp

## OPTIONS LED-111

	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / Lumens LED-111 11w	630	650

## Polaris CDM-R 111



Includes electronic equipments and CDM-R 111 lamps

Ref.	Colour	Lamp.	Port./L/H	W	TP £
713 01 35	White	CDM-R 111	GX8.5	35w	316,49
713 02 35	Black	CDM-R 111	GX8.5	35w	325,98
713 52 35	Matt Chrome	CDM-R 111	GX8.5	35w	325,98
713 90 35	Titanium	CDM-R 111	GX8.5	35w	325,98
713 01 70	White	CDM-R 111	GX8.5	70w	316,83
713 02 70	Black	CDM-R 111	GX8.5	70w	326,32
713 52 70	Matt Chrome	CDM-R 111	GX8.5	70w	326,32
713 90 70	Titanium	CDM-R 111	GX8.5	70w	326,32

\* Standardly supplied with maximum lamp opening angle.  
\* Standardly supplied with 3000° K lamp.

OPTIONS	Ref. 10	Ref. 24	Ref. 40
CRI>90 / Opening angle	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

OPTIONS	Ref. 83	Ref. 84
CRI>90 / Colour temperature	3000K°	4000°K
CDM-R 111 35w / 70w	•	•



# LARTUB

Protection degree IP20



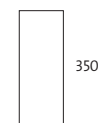
- Material:** Thermo painted aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Lartub's fixtures admit QR-111, LED, LED-111 and CDM-R 111. The last one only can be recommended for commercial or public areas.
- Installation:** Directly screw on ceiling or on wall by screws (screws not included) or hang up with a suspension kit.
- Colours:** White, black, matt chrome, red and titanium.



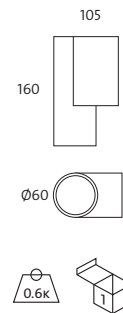
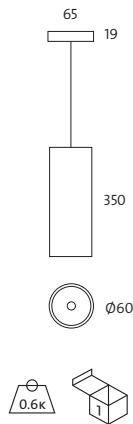
Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP £
1066L 10 01 07 83	White	400	GU-10	7w	109,20
1066L 10 02 07 83	Black	400	GU-10	7w	112,60
1066L 10 52 07 83	Matt Chrome	400	GU-10	7w	112,60
1066L 10 70 07 83	Red	400	GU-10	7w	112,60
1066L 10 90 07 83	Titanium	400	GU-10	7w	112,60

\* Standardly supplied with 3000° K dimmable lamp







Includes LED lamp 7w and suspension kit



Ref.	Colour	Lum.	Port.	W	TP €
1061L 10 01 07 83	White	400	GU-10	7w	120,60
1061L 10 02 07 83	Black	400	GU-10	7w	126,50
1061L 10 52 07 83	Matt Chrome	400	GU-10	7w	126,50
1061L 10 70 07 83	Red	400	GU-10	7w	126,50
1061L 10 90 07 83	Titanium	400	GU-10	7w	126,50

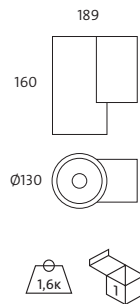
\* Standardly supplied with 3000°K dimmable lamp

Includes LED lamp 7w



Ref.	Colour	Lum.	Port.	W	TP €
1071L 10 01 07 83	White	400	GU-10	7w	152,40
1071L 10 02 07 83	Black	400	GU-10	7w	158,60
1071L 10 52 07 83	Matt Chrome	400	GU-10	7w	158,60
1071L 10 70 07 83	Red	400	GU-10	7w	158,60
1071L 10 90 07 83	Titanium	400	GU-10	7w	158,60

\* Standardly supplied with 3000° K dimmable lamp.



Lartub wall - QR-111



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
1073 01 35	White	QR-111	G53	35w	191,37
1073 02 35	Black	QR-111	G53	35w	197,11
1073 52 35	Matt Chrome	QR-111	G53	35w	197,11
1073 70 35	Red	QR-111	G53	35w	197,11
1073 90 35	Titanium	QR-111	G53	35w	197,11
1073 01 50	White	QR-111	G53	50w	191,47
1073 02 50	Black	QR-111	G53	50w	197,21
1073 52 50	Matt Chrome	QR-111	G53	50w	197,21
1073 70 50	Red	QR-111	G53	50w	197,21
1073 90 50	Titanium	QR-111	G53	50w	197,21
1073 01 60	White	QR-111	G53	60w	197,45
1073 02 60	Black	QR-111	G53	60w	203,37
1073 52 60	Matt Chrome	QR-111	G53	60w	203,37
1073 70 60	Red	QR-111	G53	60w	203,37
1073 90 60	Titanium	QR-111	G53	60w	203,37
1073 01 75	White	QR-111	G53	75w	193,43
1073 02 75	Black	QR-111	G53	75w	199,23
1073 52 75	Matt Chrome	QR-111	G53	75w	199,23
1073 70 75	Red	QR-111	G53	75w	199,23
1073 90 75	Titanium	QR-111	G53	75w	199,23

\* Standardly supplied with maximum lamp opening angle.



Lartub wall - LED-111



Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP €
1073L 01 12 83	White	630	-	11w	265,77
1073L 02 12 83	Black	630	-	11w	272,40
1073L 52 12 83	Matt Chrome	630	-	11w	272,40
1073L 70 12 83	Red	630	-	11w	272,40
1073L 90 12 83	Titanio / Titanium	630	-	11w	272,40

\* Standardly supplied with 3000° K lamp.

Lartub wall - CDM-R111



Includes electronic equipments and CDM-R 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
1074 01 35	White	CDM-R 111	GX8.5	35w	297,46
1074 02 35	Black	CDM-R 111	GX8.5	35w	306,38
1074 52 35	Matt Chrome	CDM-R 111	GX8.5	35w	306,38
1074 70 35	Red	CDM-R 111	GX8.5	35w	306,38
1074 90 35	Titanium	CDM-R 111	GX8.5	35w	306,38
1074 01 70	White	CDM-R 111	GX8.5	70w	298,65
1074 02 70	Black	CDM-R 111	GX8.5	70w	307,60
1074 52 70	Matt Chrome	CDM-R 111	GX8.5	70w	307,60
1074 70 70	Red	CDM-R 111	GX8.5	70w	307,60
1074 90 70	Titanium	CDM-R 111	GX8.5	70w	307,60

\* Standardly supplied with maximum lamp opening angle.

\* Standardly supplied with 3000° K lamp.

## Lartub surface - QR-111



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
1068 01 35	White	QR-111	G53	35w	133,15
1068 02 35	Black	QR-111	G53	35w	137,14
1068 52 35	Matt Chrome	QR-111	G53	35w	137,14
1068 70 35	Red	QR-111	G53	35w	137,14
1068 90 35	Titanium	QR-111	G53	35w	137,14
1068 01 50	White	QR-111	G53	50w	133,17
1068 02 50	Black	QR-111	G53	50w	137,16
1068 52 50	Matt Chrome	QR-111	G53	50w	137,16
1068 70 50	Red	QR-111	G53	50w	137,16
1068 90 50	Titanium	QR-111	G53	50w	137,16
1068 01 60	White	QR-111	G53	60w	139,25
1068 02 60	Black	QR-111	G53	60w	143,42
1068 52 60	Matt Chrome	QR-111	G53	60w	143,42
1068 70 60	Red	QR-111	G53	60w	143,42
1068 90 60	Titanium	QR-111	G53	60w	143,42
1068 01 75	White	QR-111	G53	75w	135,25
1068 02 75	Black	QR-111	G53	75w	139,30
1068 52 75	Matt Chrome	QR-111	G53	75w	139,30
1068 70 75	Red	QR-111	G53	75w	139,30
1068 90 75	Titanium	QR-111	G53	75w	139,30

\* Standardly supplied with maximum lamp opening angle.

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

## Lartub surface - LED-111

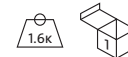
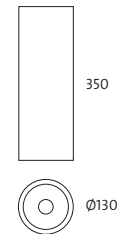


Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
1068L 01 12 83	White	630	-	11w	207,60
1068L 02 12 83	Black	630	-	11w	212,40
1068L 52 12 83	Matt Chrome	630	-	11w	212,40
1068L 70 12 83	Red	630	-	11w	212,40
1068L 90 12 83	Titanium	630	-	11w	212,40

\* Standardly supplied with 3000° K lamp

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens/ LED-111 11w	630	650



## Lartub surface - CDM-R111



Includes electronic equipments and CDM-R 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
1069 01 35	White	CDM-R 111	GX8.5	35w	261,72
1069 02 35	Black	CDM-R 111	GX8.5	35w	269,57
1069 52 35	Matt Chrome	CDM-R 111	GX8.5	35w	269,57
1069 70 35	Red	CDM-R 111	GX8.5	35w	269,57
1069 90 35	Titanium	CDM-R 111	GX8.5	35w	269,57
1069 01 70	White	CDM-R 111	GX8.5	70w	262,54
1069 02 70	Black	CDM-R 111	GX8.5	70w	270,41
1069 52 70	Matt Chrome	CDM-R 111	GX8.5	70w	270,41
1069 70 70	Red	CDM-R 111	GX8.5	70w	270,41
1069 90 70	itanium	CDM-R 111	GX8.5	70w	270,41

\* Standardly supplied with maximum lamp opening angle.

\* Standardly supplied with 3000° K lamp.

OPTIONS	Ref. 10	Ref. 24	Ref. 40
CRI>90 / Opening angle	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•



Lartub suspension - QR-111



Includes electronic equipments, QR-111 lamp and suspension kit

Ref.	Colour	Lamp.	Port.	W	TP €
1063 01 35	White	QR-111	G53	35w	154,29
1063 02 35	Black	QR-111	G53	35w	158,91
1063 52 35	Matt Chrome	QR-111	G53	35w	158,91
1063 70 35	Red	QR-111	G53	35w	158,91
1063 90 35	Titanium	QR-111	G53	35w	158,91
1063 01 50	White	QR-111	G53	50w	154,34
1063 02 50	Black	QR-111	G53	50w	158,97
1063 52 50	Matt Chrome	QR-111	G53	50w	158,97
1063 70 50	Red	QR-111	G53	50w	158,97
1063 90 50	Titanium	QR-111	G53	50w	158,97
1063 01 60	White	QR-111	G53	60w	159,75
1063 02 60	Black	QR-111	G53	60w	164,54
1063 52 60	Matt Chrome	QR-111	G53	60w	164,54
1063 70 60	Red	QR-111	G53	60w	164,54
1063 90 60	Titanium	QR-111	G53	60w	164,54
1063 01 75	White	QR-111	G53	75w	155,73
1063 02 75	Black	QR-111	G53	75w	160,40
1063 52 75	Matt Chrome	QR-111	G53	75w	160,40
1063 70 75	Red	QR-111	G53	75w	160,40
1063 90 75	Titanium	QR-111	G53	75w	160,40

\* Standardly supplied with maximum lamp opening angle.

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

Lartub suspension - LED-111

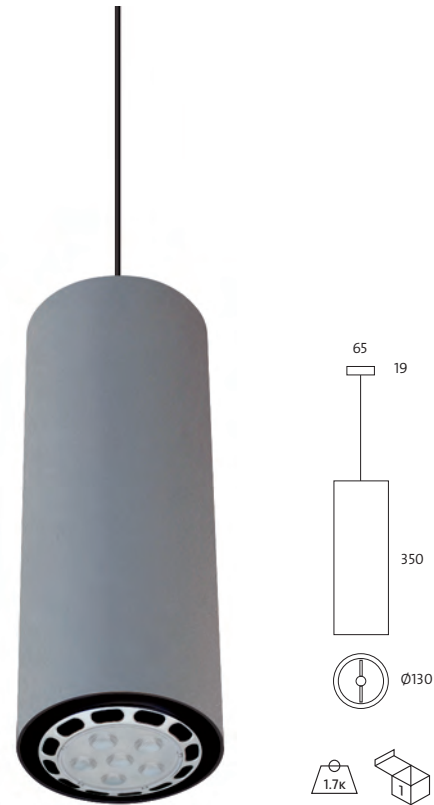


Includes driver, LED-111 lamp and suspension kit

Ref.	Colour	Lum.	Port.	W	TP €
1063L 01 12 83	White	630	-	11w	228,68
1063L 02 12 83	Black	630	-	11w	234,20
1063L 52 12 83	Matt Chrome	630	-	11w	234,20
1063L 70 12 83	Red	630	-	11w	234,20
1063L 90 12 83	Titanium	630	-	11w	234,20

\* Standardly supplied with 3000° K lamp.

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650



Lartub suspension - CDM-R111



Includes electronic equipments, CDM-R 111 lamp and suspension kit

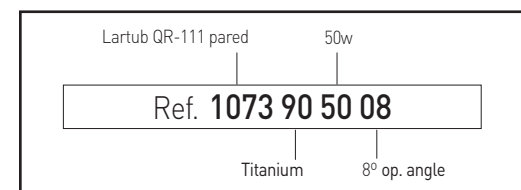
Ref.	Colour	Lamp.	Port.	W	TP €
1064 01 35	White	CDM-R 111	GX8.5	35w	276,50
1064 02 35	Black	CDM-R 111	GX8.5	35w	284,79
1064 52 35	Matt Chrome	CDM-R 111	GX8.5	35w	284,79
1064 70 35	Red	CDM-R 111	GX8.5	35w	284,79
1064 90 35	Titanium	CDM-R 111	GX8.5	35w	284,79
1064 01 70	White	CDM-R 111	GX8.5	70w	276,65
1064 02 70	Black	CDM-R 111	GX8.5	70w	284,94
1064 52 70	Matt Chrome	CDM-R 111	GX8.5	70w	284,94
1064 70 70	Red	CDM-R 111	GX8.5	70w	284,94
1064 90 70	Titanium	CDM-R 111	GX8.5	70w	284,94

\* Standardly supplied with maximum lamp opening angle.

\* Standardly supplied with 3000° K lamp.

OPTIONS	Ref. 10	Ref. 24	Ref. 40
CRI>90 / Opening angle	10°	24°	40°
CDM-R 111 35w	•	•	•
CDM-R 111 70w	•	•	•

Example to compose a reference with options







# FRAGANCIAS

# MINICOM SURFACE

Protection degree IP20

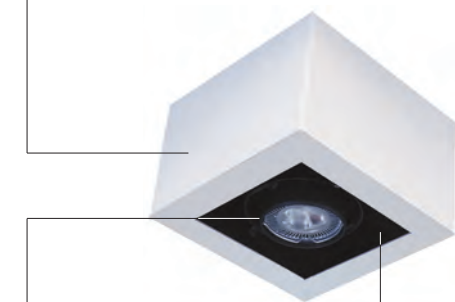


- Material:** Steel sheet and thermo painted injected aluminium.
- Optics:** Optics incorporated in the lamps, each lamp is adjustable independently with Cardan system.
- Supply:** All models include control gear and lamps.
- Lamps:** The Minicom's fixtures uses halogen lamps and LED lamps suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling by screws (not included).
- Colours:** Standardly supplied with box in black, rings and interior in titanium with different combination of colour by request (white, black, matt chrome and titanium).



BOX

- AA** White 01
- Black 02
- Matt Chrome 52
- Titanium 90



- BB** RING
- White 01
- Black 02
- Matt Chrome 52
- Titanium 90

- CC** FRAME
- White 01
- Black 02
- Matt Chrome 52
- Titanium 90



Includes LED lamp 5W



Ref.	Colour	Lum.	Port.	W	TP £
081L 10 05	AA BB CC	250	GU-10	5w	92,24

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes LED lamps 5W



Ref.	Colour	Lum.	Port.	W	TP £
082L 10 05	AA BB CC	500	GU-10	2x5w	143,12

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	500	560

Includes LED lamp 7W



Ref.	Colour	Lum.	Port.	W	TP £
081L 10 07	AA BB CC	400	GU-10	7w	102,14

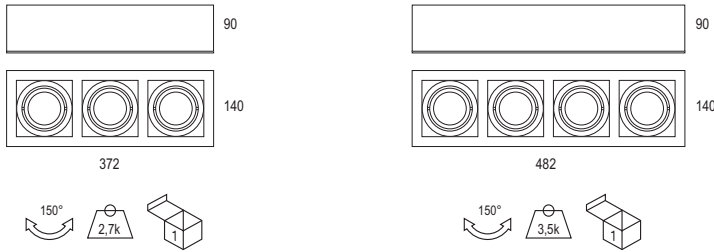
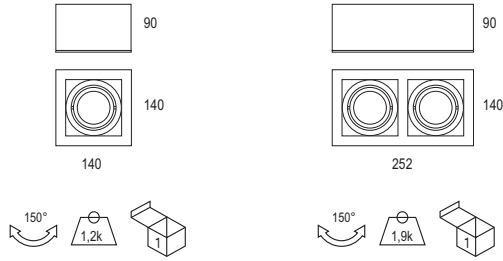
\* Standardly supplied with 3000°K lamp dimmable

Includes LED lamps 7W



Ref.	Colour	Lum.	Port.	W	TP £
082L 10 07	AA BB CC	800	GU-10	2x7w	162,90

\* Standardly supplied with 3000°K lamp dimmable



Includes LED lamps 5W

Ref.	Colour	Lum.	Port.	W	TP €
084L 10 05	AA BB CC	1000	GU-10	4x5w	263,32

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	1000	1120



Includes LED lamps 7W

Ref.	Colour	Lum.	Port.	W	TP €
084L 10 07	AA BB CC	1600	GU-10	4x7w	302,89

\* Standardly supplied with 3000°k lamp dimmable

Rough increase of accessories	TP €
Ref. 1211 Suspension kit	25,00



Includes LED lamps 5W

Ref.	Colour	Lum.	Port.	W	TP €
083L 10 05	AA BB CC	750	GU-10	3x5w	210,20

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	750	840

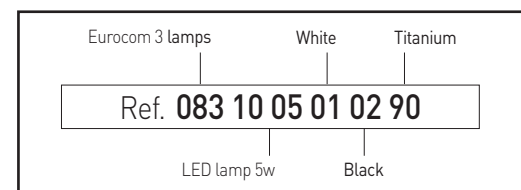


Includes LED lamps 7W

Ref.	Colour	Lum.	Port.	W	TP €
083L 10 07	AA BB CC	1200	GU-10	3x7w	239,94

\* Standardly supplied with 3000°k lamp dimmable

Example to compose a reference with options





# EUROCOM SURFACE

Protection degree IP20



- Material:** Steel sheet and thermo painted injected aluminium.
- Optics:** Optics incorporated in the lamps, each lamp is adjustable independently with Cardan system.
- Supply:** All models include control gear and lamps.
- Lamps:** The Eurocom's fixtures uses halogen lamps and LED-111 lamps suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling by screws (not included).
- Colours:** Possibility of color combination between box, rings and the interior.



**BOX**

- AA** White 01
- Black 02
- Matt Chrome 52
- Titanium 90



- BB** RING
- White 01
- Black 02
- Matt Chrome 52
- Titanium 90

- CC** FRAME
- White 01
- Black 02
- Matt Chrome 52
- Titanium 90



**Eurocom surface - 1 lamp**



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
075 35	AA BB CC	QR-111	G53	1x35w	114,11
075 50	AA BB CC	QR-111	G53	1x50w	114,11
075 60	AA BB CC	QR-111	G53	1x60w	130,61
075 75	AA BB CC	QR-111	G53	1x75w	130,61

\* Standardly supplied with maximum lamp opening angle.

**Eurocom surface - 2 lamps**



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
076 35	AA BB CC	QR-111	G53	2x35w	178,91
076 50	AA BB CC	QR-111	G53	2x50w	178,91
076 60	AA BB CC	QR-111	G53	2x60w	216,95
076 75	AA BB CC	QR-111	G53	2x75w	216,95

\* Standardly supplied with maximum lamp opening angle.



Includes driver and LED- 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
075L 02 12	AA BB CC	LED	G53	1x11w	188,50

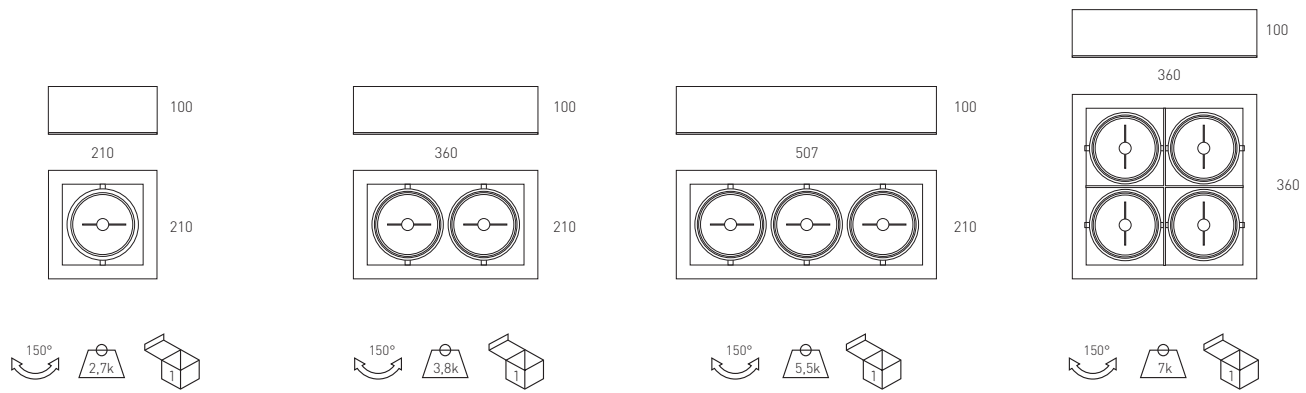
\* Standardly supplied with 3000°K lamp.



Includes driver and LED- 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP €
076L 02 12	AA BB CC	LED	G53	2x11w	328,40

\* Standardly supplied with 3000°K lamp.



**Eurocom surface - 4 lamps**



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
078 35	AA BB CC	QR-111	G53	4x35w	312,57
078 50	AA BB CC	QR-111	G53	4x50w	312,57
078 60	AA BB CC	QR-111	G53	4x60w	367,92
078 75	AA BB CC	QR-111	G53	4x75w	367,92

\* Standardly supplied with maximum lamp opening angle.



Includes driver and LED- 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
078L 12	AA BB CC	LED	G53	4x11w	612,80

\* Standardly supplied with 3000°K lamp.

**Eurocom surface - 3 lamps**



Includes electronic equipments and QR-111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
077 35	AA BB CC	QR-111	G53	3x35w	234,80
077 50	AA BB CC	QR-111	G53	3x50w	234,80
077 60	AA BB CC	QR-111	G53	3x60w	297,34
077 75	AA BB CC	QR-111	G53	3x75w	297,34

\* Standardly supplied with maximum lamp opening angle.



Includes driver and LED- 111 lamp

Ref.	Colour	Lamp.	Port.	W	TP £
077L 12	AA BB CC	LED	G53	3x11w	459,60

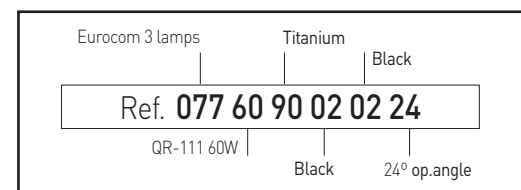
\* Standardly supplied with 3000°K lamp.

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

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650

Rough increase of accesories	€
Ref. 1211 Suspension kit	25,00

Example to compose a reference with options



# ALLUR

Protection degree IP44

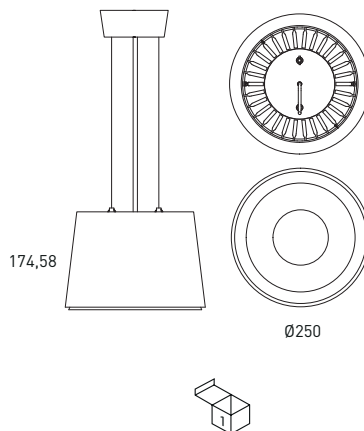


**Material:** Bodies mad of aluminium with thermo paint coating.  
**Optics:** Innovative PMMA optic which provides uniform illumination.  
**Supply:** Modules composed of LEDs Osram Oslon SSL with a total power of 20w and 32w. Available in three colour temperatures: 3000°K, 4000°K and 5000°K.  
**Lamps:**  
**Life span:** Estimated average life span 50.000 hours.  
**Installation:** Directly hang up with a suspension 1 m. length kit. (screw not included).  
**Colours:** White, black, matt chrome, matt pink, copper, gold, red, blue, green.

secom **5** days  
bespoke

secom **72** hours  
FREE delivery

**new**  
product



Allur 20w



Includes driver and LED lamp

Ref.	Lumens	W	TP £
<b>870 AA BB 20 84</b>	2700	20	252,82

\* Standardly supplied with 4000° K lamp.  
 \* Standardly supplied with suspension of 1m.

Allur 32w



Includes driver and LED lamp

Ref.	Lumens	W	TP £
<b>870 AA BB 32 84</b>	4050	32	275,32

\* Standardly supplied with 4000° K lamp.  
 \* Standardly supplied with suspension of 1m.

Rough price increase of driver

TP £

Ref. <b>DR20</b>	Dimmable driver 1-10v	47,40
Ref. <b>DRD20</b>	Dimmable driver Dali	52,90
Ref. <b>DR32</b>	Dimmable driver 1-10v	52,10
Ref. <b>DRD32</b>	Dimmable driver Dali	59,20

OPTIONS

TP £

Ref. <b>2</b>	Suspension 2.000 mm. (2 unds.)	23,60
Ref. <b>3</b>	Suspension 3.000 mm. (2 unds.)	25,60

OPTIONS LED

	W	Ref. <b>83</b>	Ref. <b>84</b>	Ref. <b>85</b>
CRI>80 / Colour temperature		3000°K	4000°K	5700°K
Lumens / Osram Oslon SSL	20w	2500	2700	2700
	32w	3750	4050	4050



Rough increase of LED monocolour

Ref.	Lamp	Colour LED.	W	Lum.	TP €
LI4W84	LED	White	4w	600	23,80
LI8W84	LED	White	8w	1080	26,80
LI4R	LED	Red	3,5w	208	33,80
LI7R	LED	Red	7w	416	36,80
LI5G	LED	Green	5w	300	33,80
LI10G	LED	Green	10w	600	36,80
LI5B	LED	Blue	5w	105	33,80
LI10B	LED	Blue	10w	211	36,80

AA	white	01		
BB	black	02		
	matt chrome	52		
	metal pink	40	red	70
	metal copper	75	blue	60
	matt gold	33	green	45

OPTIONS LED INDIRECT LIGHT

	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5700°K
Lumens / Osram Oslon SSL	4w	560	600	600
	8w	1000	1080	1080

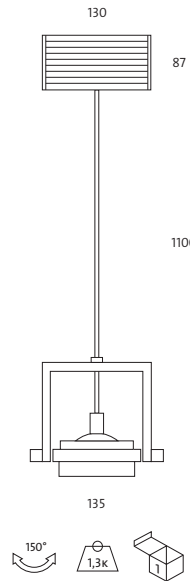


# ADRA SURFACE

Protection degree IP20



- Material:** Injected thermo painted aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Adra's fixtures uses QR-111, LED-111 and CDM-R 111 lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling by screws (not included).
- Colours:** White, black and titanium.



Adra QR 111



Includes electronic equipment and QR-111 lamp

Ref.	Colour	Lamp	Port.	W	TP £
056QC 01 35	White	QR-111	G53	35w	113,91
056QC 02 35	Black	QR-111	G53	35w	117,32
056QC 52 35	Matt chrome	QR-111	G53	35w	117,32
056QC 90 35	Titanium	QR-111	G53	35w	117,32
056QC 01 50	White	QR-111	G53	50w	113,91
056QC 02 50	Black	QR-111	G53	50w	117,32
056QC 52 50	Matt chrome	QR-111	G53	50w	117,32
056QC 90 50	Titanium	QR-111	G53	50w	117,32
056QC 01 60	White	QR-111	G53	60w	120,20
056QC 02 60	Black	QR-111	G53	60w	123,80
056QC 52 60	Matt chrome	QR-111	G53	60w	123,80
056QC 90 60	Titanium	QR-111	G53	60w	123,80
056QC 01 75	White	QR-111	G53	75w	116,10
056QC 02 75	Black	QR-111	G53	75w	119,58
056QC 52 75	Matt chrome	QR-111	G53	75w	119,58
056QC 90 75	Titanium	QR-111	G53	75w	119,58

\* Standardly supplied with maximum lamp opening angle.

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

Adra LED 111



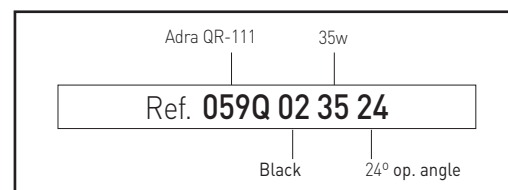
Includes driver and LED 111 lamp

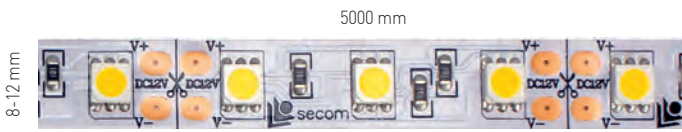
Ref.	Colour	Lamp	Port.	W	TP £
056B 01 12 83	White	LED-111	-	11w	188,46
056B 02 12 83	Black	LED-111	-	11w	192,60
056B 52 12 83	Matt chrome	LED-111	-	11w	192,60
056B 90 12 83	Titanium	LED-111	-	11w	192,60

\* Standardly supplied with 3000° K lamp.

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650

Example to compose a reference with options





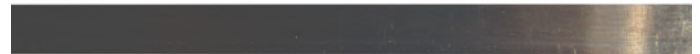
\* Strich shorter than 5 meters are also available to be supplied optionally with connections.

### Sink heat

Aluminium sink heat 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	TP £
2088	10x1000x20mm	9,90



# CAMBO LED FLEXIBLE STRIP

Protection degree IP20



**Material:** Adhesive tape made in thermal and chemical stability polyester film with a silicone wrapper.

**Supply:** All models include control gear.

**Lamps:** Flexible LED strips, composed by 60 LEDs per meter that can be warm (3000°K) or cold (6500°K). It can be supplied in RGB model.

**Installation:** Back side of the strips contains 3M adhesive to install directly on metal brackets preferably. If you try to install in others surfaces types, we recommended the use of a heatsink sheet aluminium (Ref 2088) to try to minimize the heat. It can be used in a lot of styles thanks to his flexibility. The cambo flexible strips offer the possibility of being connected to each other thanks to connectors. To make this, it is necessary removes the silicone wrapper. Failure to follow the instructions may result in shorter luminaire life span.



## Cambo Flexible Strip 12V IP20

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	lum/m	Voltage	Power / met.	TP £
2005 01 86	8mm	LED 0,08w	60	300	cada / each 5 cm	○	24w	320	12V DC	400 mA	57,72

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

Ref.	Ancho / Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	lum/m	Voltage	Power / met.	TP £
2005 01 83	8mm	LED 0,08w	60	300	cada / each 5 cm	○	24w	300	12V DC	400 mA	57,72

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	lum/m	Voltage	Power / met.	TP £
2006 01 86	12mm	LED 0,24w	30	150	cada / each 10 cm	○	36w	480	12V DC	600 mA	84,83

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	lum/m	Voltage	Power / met.	TP £
2006 01 83	12mm	LED 0,24w	30	150	cada / each 10 cm	○	36w	450	12V DC	600 mA	87,72

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	lum/m	Voltage	Power / met.	TP £
2007 01 86	12mm	LED 0,24w	60	300	cada / each 10 cm	○	72w	960	12V DC	1200 mA	135,66

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	lum/m	Voltage	Power / met.	TP £
2007 01 83	12mm	LED 0,24w	60	300	cada / each 10 cm	○	72w	900	12V DC	1200 mA	134,81

### 5 meters roll of IP 20 RGB, 36W

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	Voltage	Power / met.	TP £
2008 01	12mm	LED 0,24w	30	150	cada 20 cm	●●●	36w	12V DC	600 mA	87,72

### 5 meters roll of IP 20 RGB, 72W

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	Voltage	Power / met.	TP £
2009 01	12mm	LED 0,24w	60	300	cada / each 5 cm	●●●	72w	12V DC	1200 mA	137,96

## Cambo Flexible Strip 24V IP20

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	Voltage	Power / met.	TP £
2017 01 84	12mm	LED 0,20w	60	300	cada / each 12,5 cm	○	60w	24V DC	500 mA	126,99

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

Ref.	Wide	Lamp	LED/met.	LED/roll	Divisible	Colour LED.	W	Voltage	Power / met.	TP £
2017 01 83	12mm	LED 0,20w	60	300	cada / each 12,5 cm	○	60w	24V DC	500 mA	127,67



## IP20 Connectors



Wire connector and supply IP20, 24W

Ref.	TP €
2020	2,59

Wire connector and supply IP20, 36W and 72W

Ref.	TP €
2022	2,59



Wire connector and supply IP20, RGB

Ref.	TP €
2024	2,59



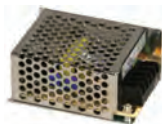
Intermediate connection IP20, 24W

Ref.	TP €
2021	2,40

Intermediate connection IP20, 36/72W

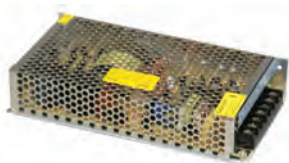
Ref.	TP €
2023	2,40

## Drivers 12V IP20



Driver LED max. 12V DC 30W

Ref.	Measures	TP €
2050	110x80x40mm	33,89

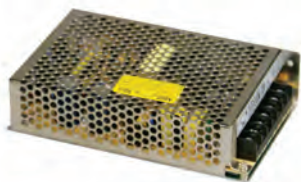


Driver LED max. 12V DC 100W

Ref.	Measures	TP €
2052	160x100x40mm	56,44

Driver LED max. 12V DC 150W

Ref.	Measures	TP €
2053	190x100x40mm	54,04



Driver for LED strip max. 12V DC 60W.

Ref.	Measures	TP €
2051	130x100x40mm	45,23

## Drivers 24V IP20



Driver LED max. 24V DC 30W

Ref.	Measures	TP €
2084	110x80x40mm	33,92

Driver LED max. 24V DC 60W

Ref.	Measures	TP €
2085	110x80x40mm	45,57

Driver LED max. 24V DC 100W

Ref.	Measures	TP €
2086	160x100x40mm	50,89

Driver LED max. 24V DC 150W

Ref.	Measures	TP €
2087	190x100x40mm	54,41

## Dimmables drivers

Driver dimmable IP65 1-10V or PWM signal for flexible strip.

Ref.	Measures	W	TP €
3280 30	145x47x30mm	until 30w	84,15
3280 40	163x47x32mm	until 40w	129,78
3280 12	200x70x40mm	until 120w	269,10
3280 15	205x70x40mm	until 150w	297,09

## Basic RGB surface controller or remote control

**Description:** RGB controller is a device ready to control low voltage RGB products.

It has a selector switch with 7 positions: red, green, yellow, blue, cyan, magenta and white that can be in statics or finetuning mode. It stores and reproduces until 11 different color patterns. Pushing "mode" button, you can choose the pattern, and you can change the speed pushing "speed" button mode.

**Temperatura:** -20° to 60°C

**Voltage:** 12VDC. Never connect to 24V DC or 220V AC.

**Ouput:** 3 CMOS (Complementary metal oxide semiconductor).

**Connection:** Common anode.



Controller RGB surface

Ref.	Measures	Weight	Voltage	TP €
2060	105x75x29	120g	12V DC	92,51



Controller RGB with remote control

Ref.	Measures	Weight	Voltage	TP €
2061	95x65x25	250g	12V DC	113,18



### RGB DMX recessed controller

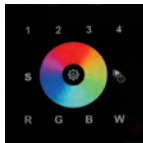
**Instalación** RGBW 4300 controller allows us to control of RGB (W) through DMX. Maximum distance which we can cover is 500 meters. We can control 4 independent areas, we are able to assign a high number of floodlights for each area of our controller.

**Temperatura:** -20° to 60°C

**Voltios:** 12VDC. Never connect to 24V DC or 220V AC.

**Rendimiento:** Complementary metal oxide semiconductor.

**Conexión:** Common anode.



Ref. 4300  
Touch panel controlled by wall recessed RGBW DMX.

#### RGBW Controller

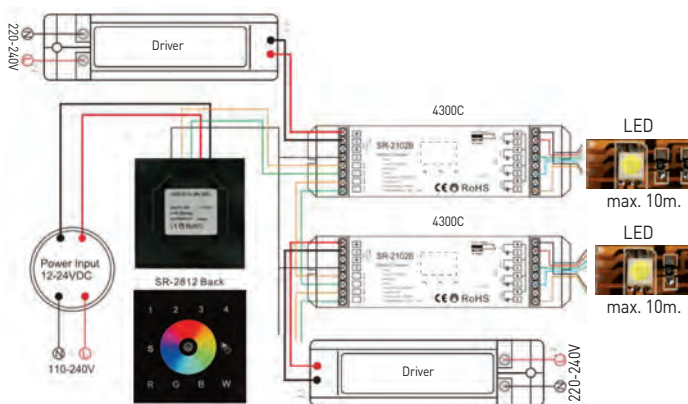
Ref.	Description	TP €
Ref. 4300	Touch panel controlled by wall recessed RGBW DMX.	301,96



Ref. 4300C

Ref.	Description	TP €
Ref. 4300C	DMX controller up to 10m, LED strip RGB.	199,44

#### Connection scheme



### RGB controller with remote control

**Instalación** RGBW 4502 controller allows us to control RGB (W). With this controller, you can separately control 10 areas, we are able to choose the primary colors (RGB) and white (W) or a mixed of them. With its system of touch selection is possible to select a wide range of colors. The distance you can control the lighting equipment is approximately 30m. We can control up to 6 independent areas.

**Temperatura:** -20° to 60°C

**Voltios:** 12VDC. Never connect to 24V DC or 220V AC.

**Rendimiento:** Complementary metal oxide semiconductor.

**Conexión:** Common anode.



Ref. 4302  
RGBW controller portable wireless by Radio Frequency.

#### RGBW Controller

Ref.	Description	TP €
Ref. 4302	RGBW controller portable wireless by Radio Frequency	297,00



Ref. 4302R



Ref. 4302A

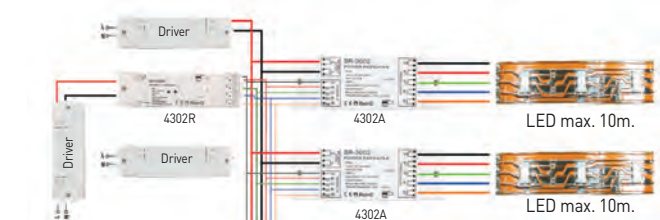
Ref.	Description	TP €
Ref. 4302R	Receptor up to 10m, LED strip RGB	175,32
Ref. 4302A	Amplifier for LED strip RGB up to 10m.	134,82

#### Connection scheme

##### Independent LED strip controller



##### Controller LED strip joint.

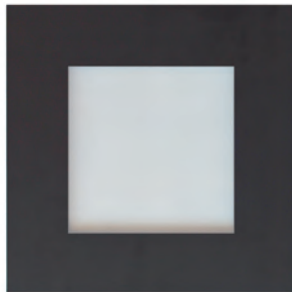
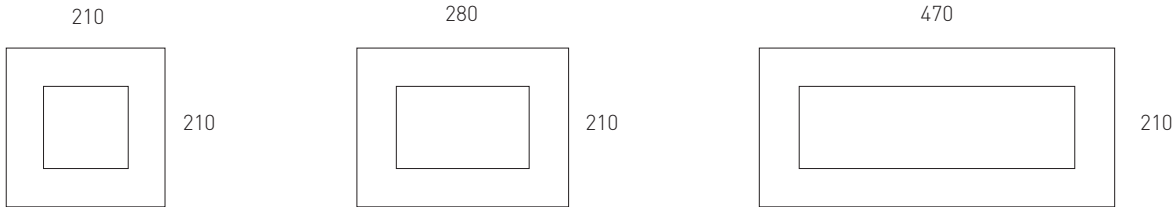


# BOSSEM SURFACE

Protection degree IP44



- Material:** Luminaires made of steel sheet thermo paint coating.
- Optics:** Innovative optic PMMA that provides a uniform illumination over whole surface with a minimum thickness of the luminaire.
- Supply:** Included driver suitable for the type of lamp and power.
- Lamps:** Modules composed with LEDs Osram Duris.
- Estimate life:** Estimated life span 50.000 hours.
- Installation:** Directly fixed to the wall with screws (screws not supplied)
- Colours:** White, black, matt chrome and titanium.



## Bossem 210



Includes driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4312 01 84	White	745	6,5w	99,90
4312 02 84	Black	745	6,5w	103,60
4312 52 84	Matt Chrome	745	6,5w	103,60
4312 90 84	Titanium	745	6,5w	103,60

\* Standardly supplied with 4000° K LED lamp.

## Bossem 280



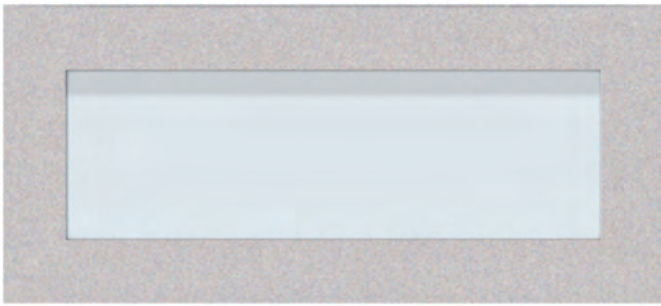
Includes driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4314 01 84	White	1160	10w	128,70
4314 02 84	Black	1160	10w	131,42
4314 52 84	Matt Chrome	1160	10w	131,42
4314 90 84	Titanium	1160	10w	131,42

\* Standardly supplied with 4000° K LED lamp.

### OPTIONS LED

Ref.	Description	TP €
DM8	Motion detector Integrated in the luminaire	30,00



**Bossem 470**

Includes driver and LED lamps.

Ref.	Colour	Lum.	W	TP €
4316 01 84	White	2088	18w	146,78
4316 02 84	Black	2088	18w	149,64
4316 52 84	Matt Chrome	2088	18w	149,64
4316 90 84	Titanium	2088	18w	149,64

\* Standardly supplied with 4000° K LED lamp.

**OPTIONS LED**

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lumens / 6,5w	693	745	866
Lumens / 10w	1066	1160	1333
Lumens / 18w	1920	2088	2400

**OPCIONES / OPTIONS LED**

	TP €
<b>Rough price increase of driver</b>	
Ref. <b>DM8</b> Motion detector Integrated in the luminaire	30,00

# EVOQUE SURFACE

Protection degree IP20



- Material:** Luminaires made of steel sheet thermo paint coating.
- Optics:** Innovative optic that provides a uniform illumination over whole surface with a minimum thickness of the luminaire.
- Supply:** Included driver suitable for the type of lamp and power.
- Lamps:** Modules composed with LEDs Osram Duris.
- Estimate life:** Estimated life span 50.000 hours.
- Installation:** Directly fixed to the wall with screws (screws not supplied)
- Colours:** White, black, matt chrome and titanium.



## Evoque 10w



Includes driver and LED lamps.

Ref.	Colour	Measu.	Lum.	W	TP £
4311 01 84	White	300x80	1066	10w	134,80
4311 02 84	Black	300x80	1066	10w	138,90
4311 52 84	Matt Chrome	300x80	1066	10w	138,90
4311 90 84	Titanium	300x80	1066	10w	138,90

\* Standardly supplied with 4000° K LED lamp.

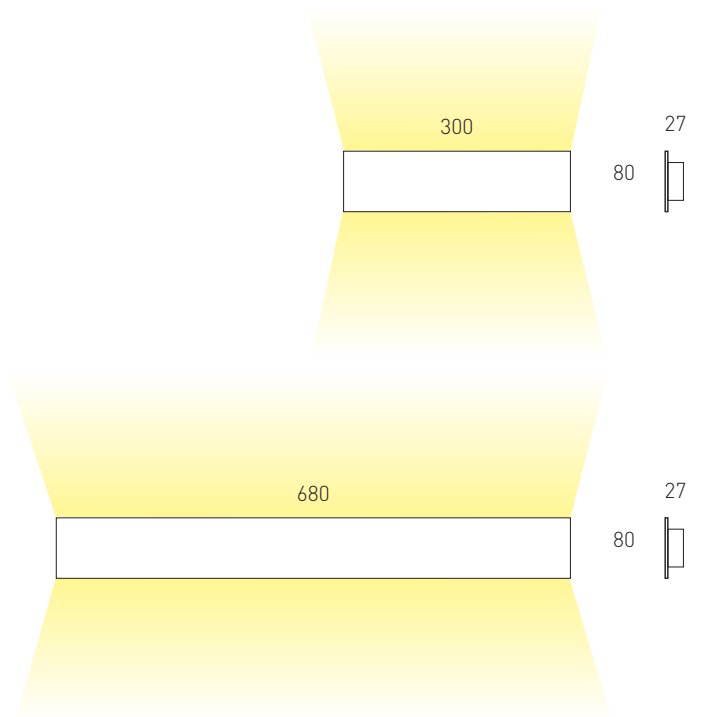
## Evoque 30w



Includes driver and LED lamps.

Ref.	Colour	Measu.	Lum.	W	TP £
4310 01 84	White	680x80	3480	30w	168,44
4310 02 84	Black	680x80	3480	30w	172,22
4310 52 84	Matt Chrome	680x80	3480	30w	172,22
4310 90 84	Titanium	680x80	3480	30w	172,22

\* Standardly supplied with 4000° K LED lamp.



OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lumens / 10w	1066	1160	1333
Lumens / 30w	3200	3480	4000

# DALA SURFACE

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Composed by modules with 49 and 63 LED Osram Duris E5 with a total power of 15W / 20W.
- Installation:** Directly screw on wall by screws (not included).
- Colours:** White, black, matt chrome and titanium.



## Data 15w



Includes driver and LED lamps.

Ref.	Colour	Lum.	W	TP £
4204 01 84	White	1740	15w	129,20
4204 02 84	Black	1740	15w	135,90
4204 52 84	Matt Chrome	1740	15w	135,90
4204 90 84	Titanium	1740	15w	135,90

\* Standardly supplied with 4000° K LED lamp.

## Data 20w



Includes suspension kit, driver and LED lamps.

Ref.	Colour	Lum.	W	TP £
4204 20 01 84	White	2677	20w	139,40
4204 20 02 84	Black	2677	20w	145,80
4204 20 52 84	Matt Chrome	2677	20w	145,80
4204 20 90 84	Titanium	2677	20w	145,80

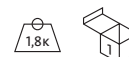
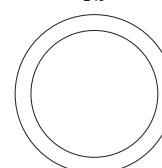
\* Standardly supplied with 4000° K LED lamp.



### OPTIONS LED

Rough price increase of driver	TP £
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DM8 Motion detector Integrated in the luminaire	30,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lumens / 15w	1600	1740	2000
Lumens / 20w	2600	2677	2677



# TULAR SURFACE

Protection degree IP20



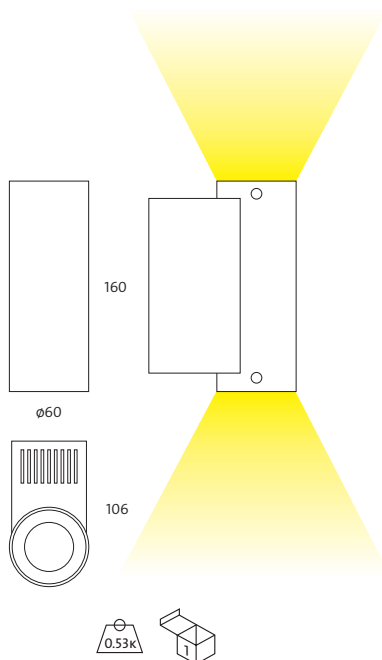
- Material:** Steel sheet thermo painted.
- Optics:** Optics incorporated in the lamps.
- Supply:** Directly connected to the 220v main.
- Lamps:** Two LED GU-10 dimmable lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on wall (screw not included).
- Colours:** White,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



Includes two LED lamps 7w

Ref.	Colour	Lum.	Port. / L/H	W	€
3563 01 07 83	White	800	GU-10	2x7w	169,38
3563 02 07 83	Black	800	GU-10	2x7w	175,14
3563 52 07 83	Matt chrome	800	GU-10	2x7w	175,14
3563 90 07 83	Titanium	800	GU-10	2x7w	175,14

\* Standardly supplied with 3000°K dimmable lamp.

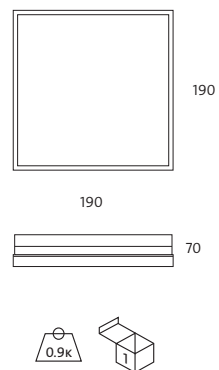


# KUGA SURFACE

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.



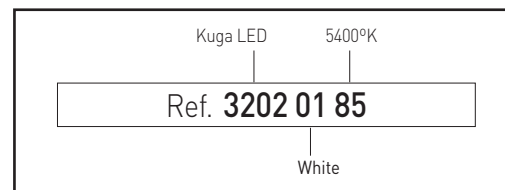
Includes driver, matt diffuser and LED lamps 14.4w

Ref.	Colour	Lamp	W	TP €
3202 01	White	LED	14,4w	175,05
3202 05	Chrome	LED	14,4w	179,82
3202 52	Matt chrome	LED	14,4w	179,82
3202 90	Titanium	LED	14,4w	179,82

\* Standardly supplied with LED 6500° K lamp.

LED OPTIONS	Ref. 83	Ref. 86
CRI>80 / Colour temperature	3000°K	6500°K
LED	•	•

Example to compose a reference with options





# OVEL SURFACE

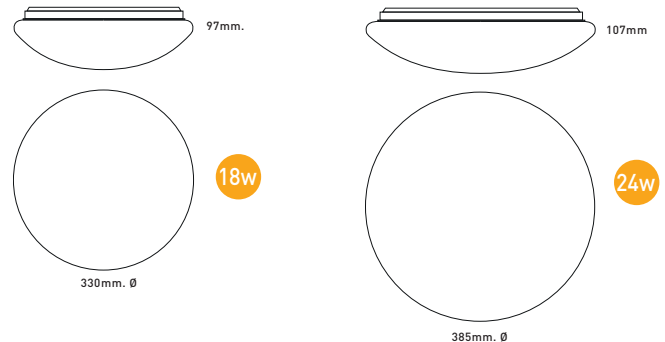
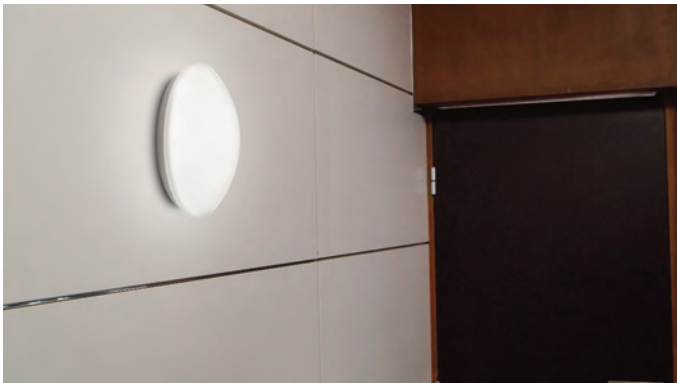
Protection degree IP44



- Material:** Aluminum base with polycarbonate optics.
- Optics:** Optics incorporated in the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Module composed by Leds with power of 18w or 24w.
- Life span:** Estimated average life span 30.000 hours.
- Installation:** Directly to ceiling or wall by screws (not included).
- Characteristics:** Low frequency sensor.  
ON<4 lux. (permanent detection).  
OFF 30"/1'
- Colours:** White.



It incorporates motion sensor up to 8 meters in distance.



Ovel surface / 18w

Includes LED lamp

Ref.	Colour	Lumens	W	TP £
<b>800 18 83</b>	White	1500	18w	<b>39,90</b>

\* Standardly supplied with 3000° K LED lamp.

Ovel surface without detector / 18w

Includes LED lamp

Ref.	Colour	Lumens	W	TP £
<b>800 18 83 SD</b>	White	1500	18w	<b>39,90</b>

\* Standardly supplied with 3000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 85
CRI>80 / Colour temperature	3000°K	5700°K
Lum 18w	1500	1500

Ovel surface / 24w

Includes LED lamp

Ref.	Colour	Lumens	W	TP £
<b>801 24 83</b>	White	2000	24w	<b>46,90</b>

\* Standardly supplied with 3000° K LED lamp.

Ovel surface without detector / 24w

Includes LED lamp

Ref.	Colour	Lumens	W	TP £
<b>801 24 83 SD</b>	White	2000	24w	<b>46,90</b>

\* Standardly supplied with 3000° K LED lamp.

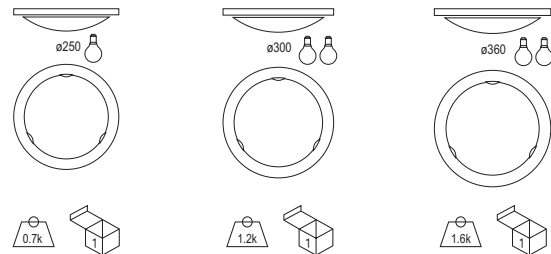
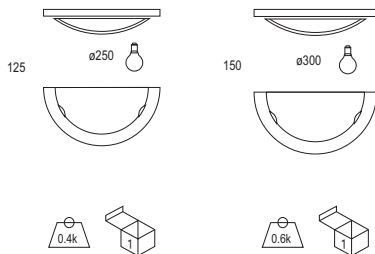
OPTIONS LED	Ref. 83	Ref. 85
CRI>80 / Colour temperature	3000°K	5700°K
Lum 24w	2000	2000

# GLASS SOFFIT

Protection degree IP20



- Material:** Thermo painted steel sheet or electrolytic coat.
- Optics:** Matt white glass diffuser.
- Supply:** Directly to 220v main.
- Lamps:** It uses E-14 lamps.
- Installation:** We can make ironworks white, black, matt chrome or titanium, and other available combinations by request.
- Colours:**



## Glass wall light 1 lamp 25 cm

E-14

Without lamps

Ref.	Colour	Lamp	Port.	W	TP €
813 01	White	-	E-14	Max.100w	12,66
813 02	Black	-	E-14	Max.100w	22,76
813 03	Gold	-	E-14	Max.100w	22,76
813 52	Matt chrome	-	E-14	Max.100w	22,76
813 90	Titanium	-	E-14	Max.100w	22,76

## Soffit 25 cm 1 lamp

E-14

Without lamps

Ref.	Colour	Lamp	Port.	W	TP €
810 01	White	-	E-14	Max.100w	14,52
810 02	Black	-	E-14	Max.100w	27,91
810 03	Gold	-	E-14	Max.100w	27,91
810 52	Matt chrome	-	E-14	Max.100w	27,91
810 90	Titanium	-	E-14	Max.100w	27,91

## Glass wall light 1 lamp 30 cm

E-14

NO incluye lámparas / Without lamps

Ref.	Color / Colour	Lamp	Port.	W	TP €
814 01	Blanco / White	-	E-14	Max.100w	14,62
814 02	Negro / Black	-	E-14	Max.100w	28,27
814 03	Dorado / Gold	-	E-14	Max.100w	28,27
814 52	Cromo mate / Matt chrome	-	E-14	Max.100w	28,27
814 90	Titanio / Titanium	-	E-14	Max.100w	28,27

## Soffit 30 cm 2 lamps

E-14

Without lamps

Ref.	Color / Colour	Lamp	Port.	W	TP €
811 01	Blanco / White	-	E-14	Max.100w	17,81
811 02	Negro / Black	-	E-14	Max.100w	34,79
811 03	Dorado / Gold	-	E-14	Max.100w	34,79
811 52	Cromo mate / Matt chrome	-	E-14	Max.100w	34,79
811 90	Titanio / Titanium	-	E-14	Max.100w	34,79

## Soffit 36 cm 2 lamps

E-14

Without lamps

Ref.	Colour	Lamp	Port.	W	TP €
812 01	White	-	E-14	Max.100w	21,42
812 02	Black	-	E-14	Max.100w	38,41
812 03	Gold	-	E-14	Max.100w	38,41
812 52	Matt chrome	-	E-14	Max.100w	38,41
812 90	Titanium	-	E-14	Max.100w	38,41

# WOK SUPERFICIE / SURFACE

Protection degree IP20



- Material:** Coated thermo painted steel sheet.
- Optics:** Optics incorporated into the lamps. Tilting system.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen and LED lamps, suitable for domestic or commercial use.
- Installation:** Directly screw on ceiling by screws (not included).
- Colours:** Bezel and interior compartments in titanium, or matt black and body in white. Possibility of entirely white or matt chrome finish and different colours combination by request.



- AA**
- BOX White 01
  - Black 02
  - Matt Chrome 52
  - Titanium 90



- BB**
- RING White 01
  - Black 02
  - Matt Chrome 52
  - itanium 90



Includes LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
080L 05	AA BB	250	GU-10	5W	95,60

\* Standardly supplied with LED 3000° K lamp.

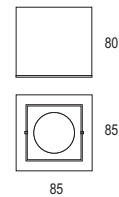
LED OPTIONS 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280



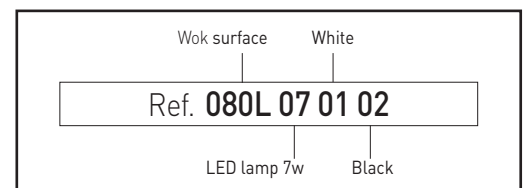
Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP £
080L 07	AA BB	400	GU-10	7W	110,20

\* Standardly supplied with LED 3000° K lamp adjustable.



Example to compose a reference with options





# KUT

Protection degree IP20



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



Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP €
3560 01 07 83	White	400	GU-10	7w	113,10
3560 02 07 83	Black	400	GU-10	7w	121,60
3560 52 07 83	Matt chrome	400	GU-10	7w	121,60
3560 90 07 83	Titanium	400	GU-10	7w	121,60

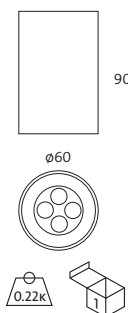
\* Standardly supplied with 3000° K dimmable lamp.



Includes LED lamp 7w and suspension kit

Ref.	Colour	Lum.	Port.	W	TP €
3561 01 07 83	White	400	GU-10	7w	129,90
3561 02 07 83	Black	400	GU-10	7w	134,60
3561 52 07 83	Matt chrome	400	GU-10	7w	134,60
3561 90 07 83	Titanium	400	GU-10	7w	134,60

\* Standardly supplied with 3000° K dimmable lamp.



## SOFFIT AND STRIP

Protection degree IP20



**Material:** Thermo painted steel sheet and electrolytic coat.  
**Optics:** Optics incorporated in the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It uses dichroic halogen lamps, and LED lamps, suitable for domestic or commercial use.  
**Installation:** Directly screw on ceiling by screws (not included).  
**Colours:** White, black, graphite, chrome, matt chrome and titanium.



### Soffit 1 lamp



Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
231L 01 05 83	White	250	GU5.3	5w	66,20
231L 02 05 83	Black	250	GU5.3	5w	79,90
231L 03 05 83	Gold	250	GU5.3	5w	79,90
231L 04 05 83	Graphite	250	GU5.3	5w	79,90
231L 05 05 83	Chrome	250	GU5.3	5w	79,90
231L 52 05 83	Matt chrome	250	GU5.3	5w	79,90
231L 90 05 83	Titanium	250	GU5.3	5w	79,90

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

### Strip 2 lamps

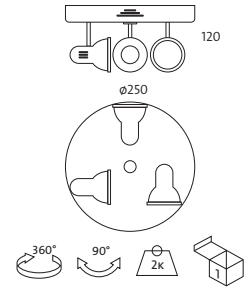
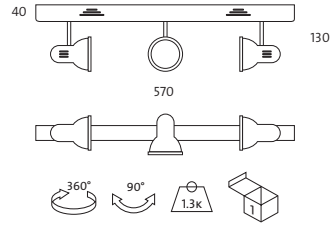
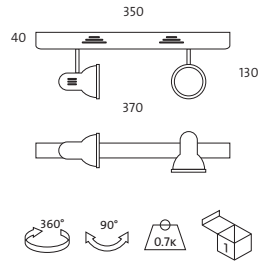
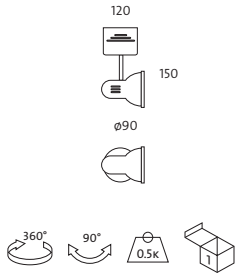


Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
232L 01 05 83	White	500	GU5.3	5w	124,60
232L 02 05 83	Black	500	GU5.3	5w	148,80
232L 03 05 83	Gold	500	GU5.3	5w	148,80
232L 04 05 83	Graphite	500	GU5.3	5w	148,80
232L 05 05 83	Chrome	500	GU5.3	5w	148,80
232L 52 05 83	Matt chrome	500	GU5.3	5w	148,80
232L 90 05 83	Titanium	500	GU5.3	5w	148,80

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 2x5w	500	560



Regleta 3 focos / Strip 3 lamps



Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
233L 01 05 83	White	750	GU5.3	5w	189,90
233L 02 05 83	Black	750	GU5.3	5w	216,40
233L 03 05 83	Gold	750	GU5.3	5w	216,40
233L 04 05 83	Graphite	750	GU5.3	5w	216,40
233L 05 05 83	Chrome	750	GU5.3	5w	216,40
233L 52 05 83	Matt chrome	750	GU5.3	5w	216,40
233L 90 05 83	Titanium	750	GU5.3	5w	216,40

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 3x5w	750	840

Soffit 3 lamps



Includes driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
243L 01 05 83	White	750	GU5.3	5w	202,10
243L 02 05 83	Black	750	GU5.3	5w	219,20
243L 03 05 83	Gold	750	GU5.3	5w	219,20
243L 04 05 83	Graphite	750	GU5.3	5w	219,20
243L 05 05 83	Chrome	750	GU5.3	5w	219,20
243L 52 05 83	Matt chrome	750	GU5.3	5w	219,20
243L 90 05 83	Titanium	750	GU5.3	5w	219,20

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 3x5w	750	840



**Boxter recessed**

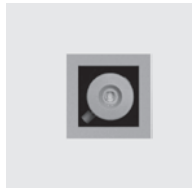


Boxter Mini 83

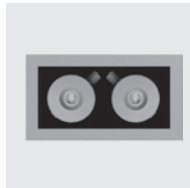


Boxter 84

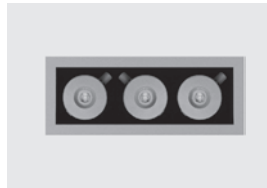
**Minicom V**



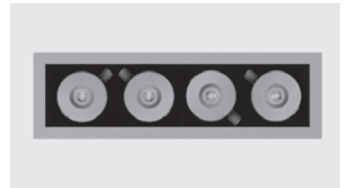
Minicom V1 86



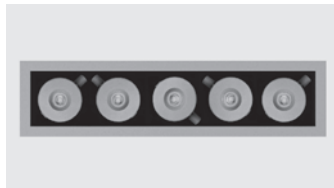
Minicom V2 87



Minicom V3 87

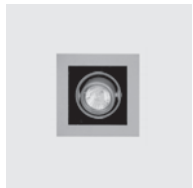


Minicom V4 88

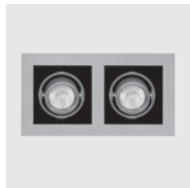


Minicom V4 88

**Minicom**



Minicom 1 lamp 90



Minicom 2 lamps 90

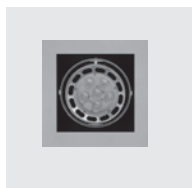


Minicom 3 lamps 91

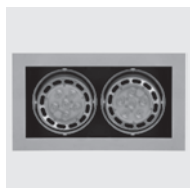


Minicom 4 lamps 91

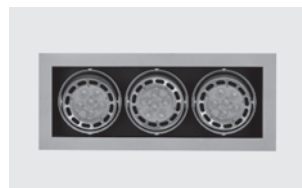
**Eurocom**



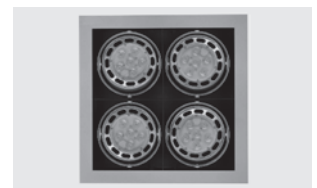
Eurocom 1 lamp 92



Eurocom 2 lamps 92

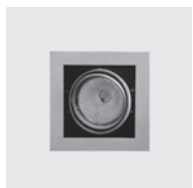


Eurocom 3 lamps 93



Eurocom 4 lamps 93

**Lecom LED**



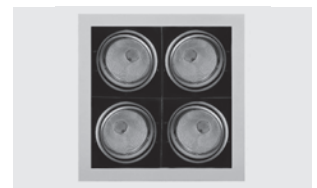
Lecom 1 lamp 94



Lecom 2 lamps 94



Lecom 3 lamps 95



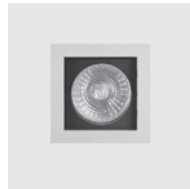
Lecom 4 lamps 95



Wok

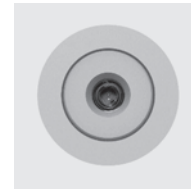


Wok asymmetric 96



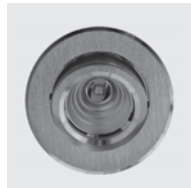
Wok 97

Mitel

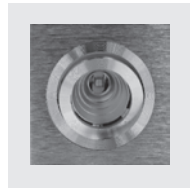


Mitel oscillating 99

Lobel



Lobel logic circular 100



Lobel logic square 100



Lobel fix 101



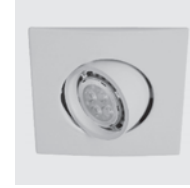
Lobel adjustable 101

Nogo / Wok

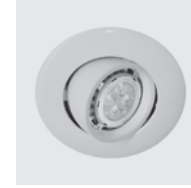


Nogo 102

Recessed 50mm aluminium



Adjustable square 103



Adjustable circular 104



Logic square 105



Logic fix 106



Logic adjustable 106



Bravia square 107



Bravia circular 107





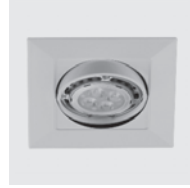
Recessed 50mm zamak



Adjustable zamak 108

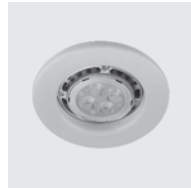


Fix zamak 109



Square zamak 110

Recessed 50mm steel sheet



Fix circular 111



Adjustable 50mm 114



Oscillating 50mm 115



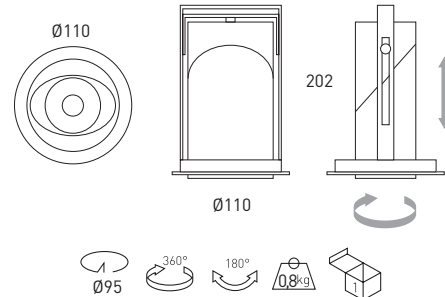


# BOXTER MINI RECESSED

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps with different open angles 12°/38°/54°
- Supply:** All models include control gear and lamps.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled with 9w power. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** Recessed false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, matt chrome and titanium.



## Boxter Mini recessed 5w



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	W	TP £
5006 01 5 84	White	455	5w	187,42
5006 02 5 84	Black	455	5w	188,98
5006 52 5 84	Matt Chrome	455	5w	188,98
5006 90 5 84	Titanium	455	5w	188,98

\* Standardly supplied with maximum lamp opening angle [38°]  
\* Standardly supplied with 4000° K lamp.

OPTIONS LED	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5000°K
Lumens / Osram Oslon SSL	5w	400	455	455
	9w	800	905	905

## Boxter Mini recessed 9w



Includes driver and LED lamp 9w

Ref.	Colour	Lum.	W	TP £
5006 01 9 84	White	905	9w	198,20
5006 02 9 84	Black	905	9w	199,84
5006 52 9 84	Matt Chrome	905	9w	199,84
5006 90 9 84	Titanium	905	9w	199,84

\* Standardly supplied with maximum lamp opening angle [38°]  
\* Standardly supplied with 4000° K lamp.

Rough price increase of driver	TP £
Ref. C54 Matt lock diffuser 54° opening angle	3,00
Ref. 12 Opening angle 12°	5,60
Ref. CRI 90 CRI>90	20,60
Ref. DRF Dimmable driver edge phase	15,90

## BOXTER RECESSED

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps with different open angles. 16°/28°/54°.
- Supply:** All models include high power factor drivers.
- Lamps:** Osram LED modules composed Osram Oslon SSL with 13/26/31w power. Ra(CRI)>80 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, matt chrome and titanium.



Boxter recessed 13w

Includes driver and LED lamp 13w

Ref.	Colour	Lum.	W	TP €
5002 01 13 84	White	1522	13w	225,20
5002 02 13 84	Black	1522	13w	229,60
5002 52 13 84	Matt Chrome	1522	13w	229,60
5002 90 13 84	Titanium	1522	13w	229,60

\* Standardly supplied with maximum lamp opening angle [54°]  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver			TP €
Ref. DR13	Dimmable driver 1-10v		29,90
Ref. DRD13	Dimmable driver Dali		32,60



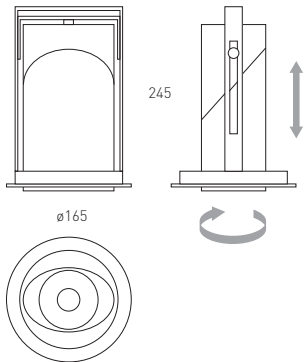
Boxter recessed 26w

Includes driver and LED lamp 26w

Ref.	Colour	Lum.	W	TP €
5002 01 26 84	White	3045	26w	235,40
5002 02 26 84	Black	3045	26w	239,60
5002 52 26 84	Matt Chrome	3045	26w	239,60
5002 90 26 84	Titanium	3045	26w	239,60

\* Standardly supplied with maximum lamp opening angle [54°]  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver			TP €
Ref. DR26	Dimmable driver 1-10v		69,90
Ref. DRD26	Dimmable driver Dali		72,90



**Boxter recessed 31w**

Includes driver and LED lamp 31w

Ref.	Colour	Lum.	W	TP €
5002 01 31 84	White	4060	31w	254,80
5002 02 31 84	Black	4060	31w	259,10
5002 52 31 84	Matt Chrome	4060	31w	259,10
5002 90 31 84	Titanium	4060	31w	259,10

\* Standardly supplied with maximum lamp opening angle [54°]  
\* Standardly supplied with 4000° K lamp.

Rough price increase of driver		TP €
Ref. DR31	Dimmable driver 1-10v	75,60
Ref. DRD31	Dimmable driver Dali	77,20

Rough price increase of lamp		TP €
Ref. CRI90	CRI > 90	20,60
Ref. 16	Opening angle 16°	5,60
Ref. 28	Opening angle 28°	5,80
Ref. 3410	Close reflector Boxter	5,80

**Rough increase of LED monocolour**

Ref.	Lamp	Colour LED.	W	TP €
5001 01 13 R	LED	Red	13w	9,00
5001 01 26 R	LED	Red	26w	18,00
5001 01 31 R	LED	Red	31w	21,00
5001 01 13 G	LED	Green	13w	9,00
5001 01 26 G	LED	Green	26w	18,00
5001 01 31 G	LED	Green	31w	21,00
5001 01 13 B	LED	Blue	13w	9,00
5001 01 26 B	LED	Blue	26w	18,00
5001 01 31 B	LED	Blue	31w	21,00

Rough price increase of lamp		13w	26W	31W
Ref. LPF	Fish - 4000K - CRI>90	12,00	18,00	19,00
Ref. LPB	Bread - 3000K - CRI>90	12,00	18,00	19,00
Ref. LCM	Meat - 2700K - CRI>90	12,00	18,00	19,00
Ref. LVV	Veg. and fruit - 4000K - CRI>90	12,00	18,00	19,00
Ref. 817	Wineries - 1700°K	9,00	18,00	21,00

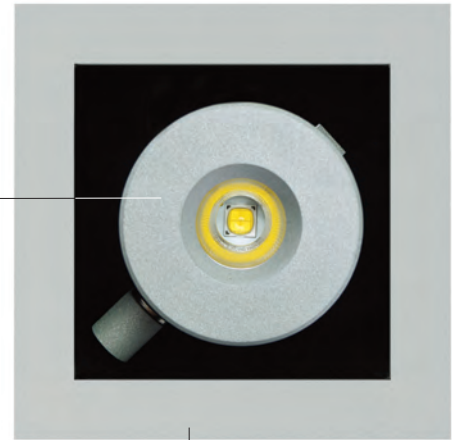
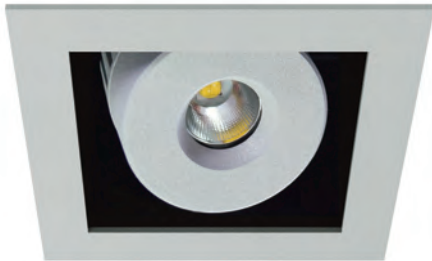
OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5700°K
Lumens / Osram Oslon SSL	13w	1470	1522	1575
	26w	2940	3045	3150
	31w	3920	4060	4200

# MINICOM V

Protection degree IP20

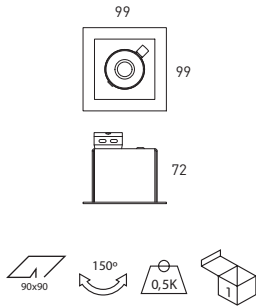


- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated with open angle 43°.
- Supply:** All models include high power factor drivers.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled for 9w and Samsung for 14w. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, matt chrome and titanium.



FOCUS		
BB	White	01
	Black	02
	Matt Chrome	52
	Titanium	90

FRAME		
AA	White	01
	Black	02
	Matt Chrome	52
	Titanium	90



## Minicom V1



Includes driver and LED lamp

Ref.	Lumens	W	TP £
171 AA BB 09 84	905	9w	79,60

\* Standardly supplied with 4000° K lamp.

## Minicom V1



Includes driver and LED lamp

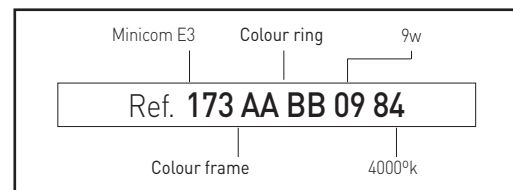
Ref.	Lúmenes	W	TP £
171 AA BB 14 84	1750	14w	97,74

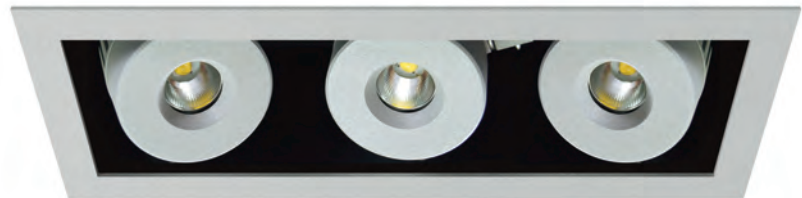
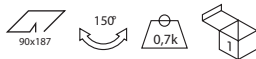
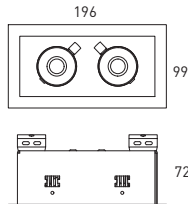
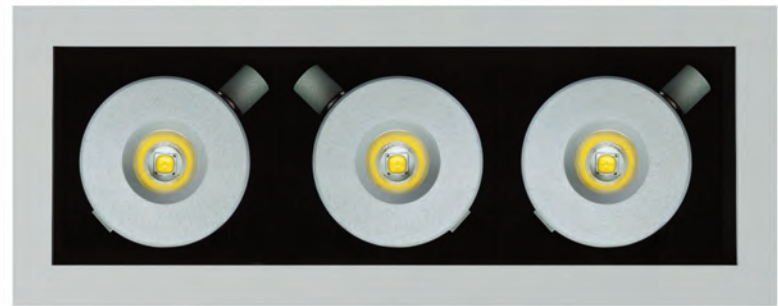
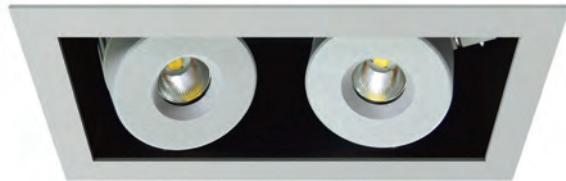
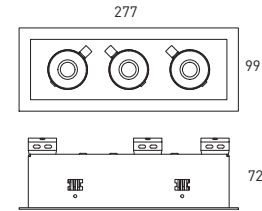
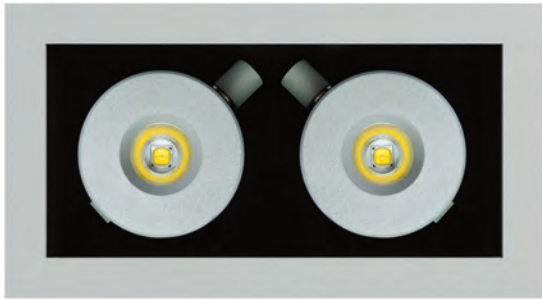
\* Standardly supplied with 4000° K lamp.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens	9	800	905	905
	14	1700	1750	1805

Rough price increase of accessories	TP £
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K / 4000°K)	7,00
Ref. E5 High power factor Driver. 5 year warranty	15,00
Ref. CM Matt closing	1,90

Example to compose a reference with options





Minicom V2



Includes driver and LED lamp

Ref.	Lumens	W	TP €
172 AA BB 09 84	1810	2x9w	138,24

\* Standardly supplied with 4000° K lamp.

Minicom V3



Includes driver and LED lamp

Ref.	Lumens	W	TP €
173 AA BB 09 84	2715	3x9w	198,22

\* Standardly supplied with 4000° K lamp.

Minicom V2



Includes driver and LED lamp

Ref.	Lumens	W	TP €
172 AA BB 14 84	3500	2x14w	164,52

\* Standardly supplied with 4000° K lamp.

Minicom V3



Includes driver and LED lamp

Ref.	Lumens	W	TP €
173 AA BB 14 84	5250	3x14w	237,64

\* Standardly supplied with 4000° K lamp.

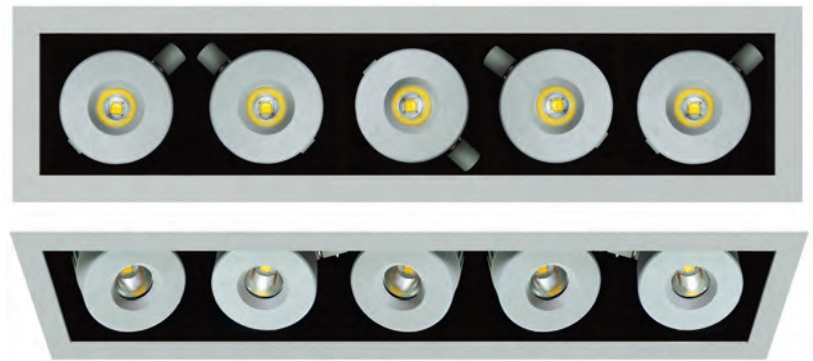
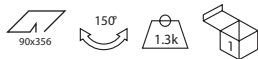
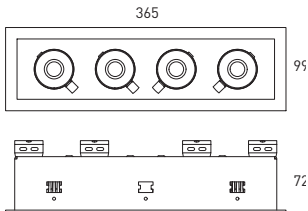
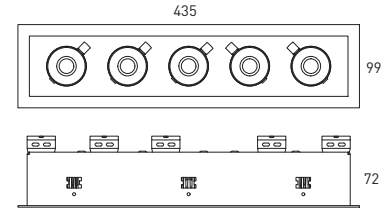
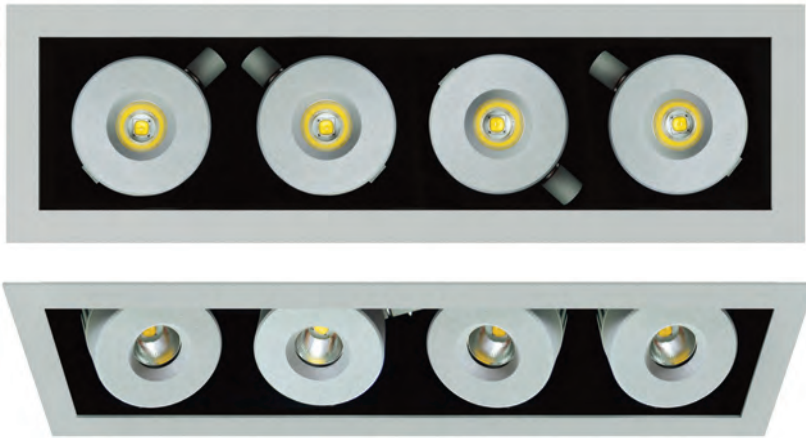
OPTIONS LED	W	Ref. 83	Ref. 84	Ref. 85
		3000°K	4000°K	5000°K
Colour temperature				
Lumens	9	1600	1810	1810
	14	3400	3500	3500

OPTIONS LED	W	Ref. 83	Ref. 84	Ref. 85
		3000°K	4000°K	5000°K
CRI>80 / TColour temperature				
Lumens	9	2400	2715	2715
	14	5100	5250	5250

Rough price increase of accessories	TP €
Ref. DRF Dimmable driver edge phase	27,80
Ref. DR Dimmable driver 1-10V.	94,80
Ref. DRD Dimmable driver Dali	105,80
Ref. 3416 Emergency Kit for LEDs higher than 6w	211,20
Ref. CRI90 CRI>90 (3000°K / 4000°K)	14,00
Ref. E5 High power factor Driver. 5 year warranty	30,00
Ref. CM Matt closing	3,80

Rough price increase of accessories	TP €
Ref. DRF Dimmable driver edge phase	41,70
Ref. DR Dimmable driver 1-10V.	142,20
Ref. DRD Dimmable driver Dali	158,70
Ref. 3416 Emergency Kit for LEDs higher than 6w	316,80
Ref. CRI90 CRI>90 (3000°K)	21,00
Ref. E5 High power factor Driver. 5 year warranty	45,00
Ref. CM Matt closing	5,70





Minicom V4



Includes driver and LED lamp

Ref.	Lumens	W	TP £
174 AA BB 09 84	3620	4x9w	238,86

\* Standardly supplied with 4000° K lamp.

Minicom V5



Includes driver and LED lamp

Ref.	Lumens	W	TP £
175 AA BB 09 84	4525	5x9w	278,48

\* Standardly supplied with 4000° K lamp.

Minicom V4



Includes driver and LED lamp

Ref.	Lumens	W	TP £
174 AA BB 14 84	7000	4x14w	295,80

\* Standardly supplied with 4000° K lamp.

Minicom V5



Includes driver and LED lamp

Ref.	Lumens	W	TP £
175 AA BB 14 84	8750	5x14w	348,20

\* Standardly supplied with 4000° K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W 3000°K	4000°K	5000°K
Lumens	9 3200	3620	3620
	14 6800	7000	7000

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W 3000°K	4000°K	5000°K
Lumens	9 4000	4525	4525
	14 8500	8750	8750

Rough price increase of accessories	€
Ref. DRF Dimmable driver edge phase	55,60
Ref. DR Dimmable driver 1-10V.	189,60
Ref. DRD Dimmable driver Dali	211,60
Ref. 3416 Emergency Kit for LEDs higher than 6w	422,40
Ref. CR190 CRI>90 (3000°K / 4000°K)	28,00
Ref. E5 High power factor Driver. 5 year warranty	60,00
Ref. CM Matt closing	7,60

Rough price increase of accessories	€
Ref. DRF Dimmable driver edge phase	69,50
Ref. DR Dimmable driver 1-10V.	237,00
Ref. DRD Dimmable driver Dali	264,50
Ref. 3416 Emergency Kit for LEDs higher than 6w	528,00
Ref. CR190 CRI>90 (3000°K / 4000°K)	35,00
Ref. E5 High power factor Driver. 5 year warranty	75,00
Ref. CM Matt closing	9,50

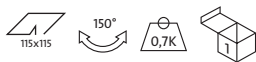
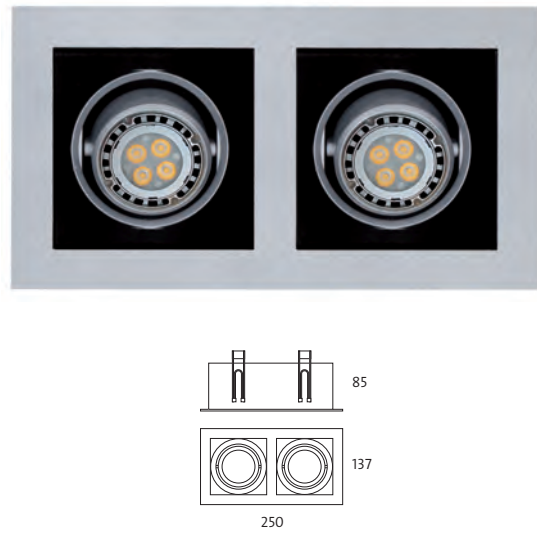
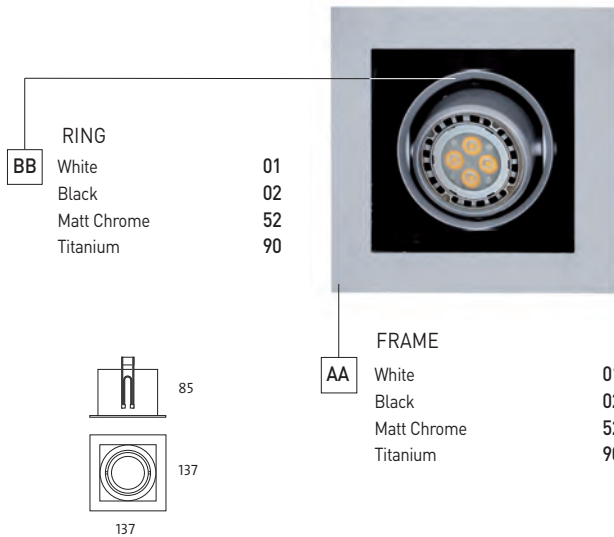


# MINICOM

Protection degree IP20



- Material:** Thermo painted and injected steel sheet.
- Optics:** Optics incorporated in the lamps, each lamp is adjustable independently with Cardan system.
- Supply:** All models include high power factor drivers.
- Lamps:** Minicom's fixtures use halogen 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, matt chrome or different options by request.



Includes driver and LED lamp 5W



Ref.	Lum.	Port.	W	TP £
091L AA BB 05 83	250	GU5.3	5w	72,90

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes driver and LED lamp 5W



Ref.	Lum.	Port.	W	TP £
092L AA BB 05 83	500	GU5.3	2x5w	123,20

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
Colour temperature	3000K°	4000°K
Lumens LED 2x5w	500	560

Includes LED lamp 7w



Ref.	Lum.	Port.	W	TP £
091L 10 AA BB 07 83	400	GU-10	7w	74,60

\* Standardly supplied with 3000° K dimmable lamp.

Incluye lámpara LED 7w / Includes LED lamp 7w

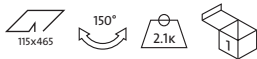
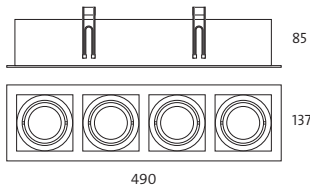
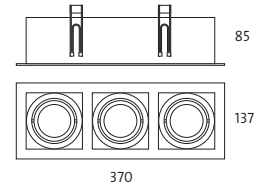
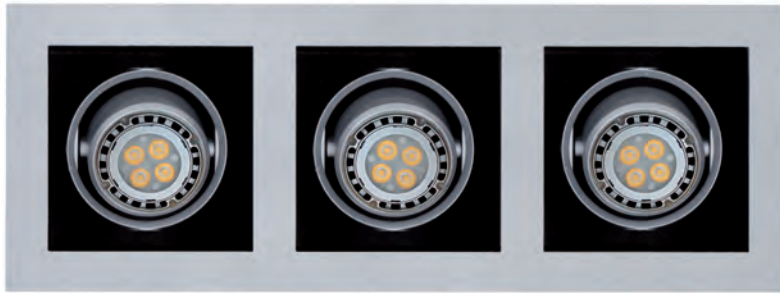


Ref.	Lum.	Port.	W	TP £
092L 10 AA BB 07 83	800	GU-10	2x7w	130,80

\* Standardly supplied with 3000° K dimmable lamp.

Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-5.3 until 7w	106,30

Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-5.3 until 7w. For a single lamp.	106,30



Includes driver and LED lamp 5W

Ref.	Lum.	Port.	W	TP €
<b>093L AA BB 05 83</b>	750	GU5.3	3x5w	<b>177,90</b>

\* Standardly supplied with 3000° K lamp.

OPCIONES / OPTIONS LED 5w	Ref. <b>83</b>	Ref. <b>84</b>
CRI>80 / Colour temperature	<b>3000K°</b>	<b>4000°K</b>
Lumens LED 3x5w	750	840



Includes driver and LED lamp 5W

Ref.	Lum.	Port.	W	TP €
<b>094L AA BB 05 83</b>	1000	GU5.3	4x5w	<b>210,60</b>

\* Standardly supplied with 3000° K lamp.

OPCIONES / OPTIONS LED 5w	Ref. <b>83</b>	Ref. <b>84</b>
CRI>80 / Colour temperature	<b>3000K°</b>	<b>4000°K</b>
Lumens LED 4x5w	1000	1120



Includes LED lamp 7w

Ref.	Lum.	Port.	W	TP €
<b>093L 10 AA BB 07 83</b>	1200	GU-10	3x7w	<b>206,80</b>

\* Standardly supplied with 3000° K dimmable lamp.

Rough price increase of accessories	TP €
Ref. <b>3418</b> Emergency Kit for LEDs GU-5.3 until 7w. For a single lamp.	<b>106,30</b>



Incluye lámpara LED 7w / Includes LED lamp 7w

Ref.	Lum.	Port.	W	TP €
<b>094L 10 AA BB 07 83</b>	1600	GU-10	4x7w	<b>236,00</b>

\* Standardly supplied with 3000° K dimmable lamp.

Rough price increase of accessories	TP €
Ref. <b>3418</b> Emergency Kit for LEDs GU-5.3 until 7w. For a single lamp.	<b>106,30</b>



# EUROCOM

Protection degree IP20



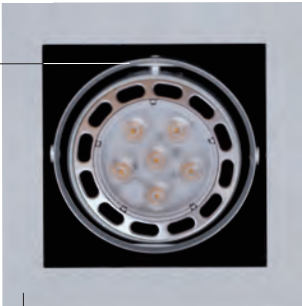
- Material:** Thermo painted and injected aluminium steel sheet.
- Optics:** Optics incorporated in the lamps, each lamp is adjustable independently with Cardan system.
- Supply:** All models include control gear and lamps.
- Lamps:** Eurocom's fixtures uses QR-111 and LED-111 lamps, suitable for domestic 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. Supplied in matt white, matt chrome or different options by request.



**BB**

RING

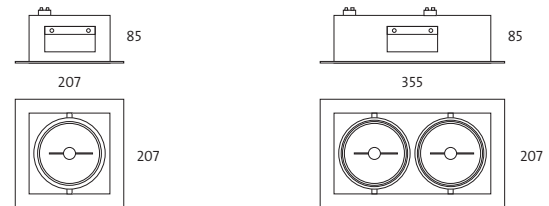
White	01
Black	02
Matt Chrome	52
Titanium	90



**AA**

FRAME

White	01
Black	02
Matt Chrome	52
Titanium	90



## Eurocom 1 lámpara / Eurocom 1 lamp



Includes electronic equipment and QR-111 lamp

Ref.	Lamp	Port.	W	€
105 AA BB 35CP	QR-111	G53	1x35w	69,90
105 AA BB 50CP	QR-111	G53	1x50w	69,90
105 AA BB 60CP	QR-111	G53	1x60w	79,94
105 AA BB 75CP	QR-111	G53	1x75w	79,94

\* Standardly supplied with maximum lamp opening angle.



Includes driver and LED-111 lamp

Ref.	Lum.	Port.	W	€
105L AA BB 12 83	630	-	1x11w	139,80

\* Standardly supplied with 3000° K lamp.

## Eurocom 2 lámparas / Eurocom 2 lamps



Includes electronic equipment and QR-111 lamps

Ref.	Lamp	Port.	W	€
106 AA BB 35CP	QR-111	G53	2x35w	129,05
106 AA BB 50CP	QR-111	G53	2x50w	129,05
106 AA BB 60CP	QR-111	G53	2x60w	163,40
106 AA BB 75CP	QR-111	G53	2x75w	163,40

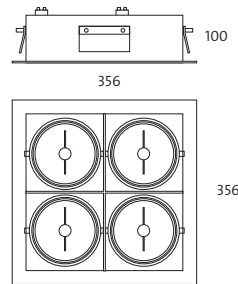
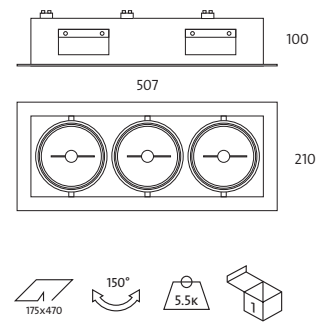
\* Standardly supplied with maximum lamp opening angle.



Includes driver and LED-111 lamp

Ref.	Lum.	Port.	W	€
106L AA BB 12 83	1260	-	2x11w	268,60

\* Standardly supplied with 3000° K lamp.



Eurocom 3 lámparas



Includes electronic equipment and QR-111 lamp

Ref.	Lamp	Port.	W	TP £
107 AA BB 35CP	QR-111	G53	3x35w	177,35
107 AA BB 50CP	QR-111	G53	3x50w	177,35
107 AA BB 60CP	QR-111	G53	3x60w	231,20
107 AA BB 75CP	QR-111	G53	3x75w	231,20

\* Standardly supplied with maximum lamp opening angle.



Incluye driver y lámpara LED-111

Ref.	Lum.	Port.	W	TP £
107L AA BB 12 83	1899	-	3x11w	386,70

\* Standardly supplied with 3000° K lamp.

Rough price increase of accesories	TP £
Ref. 3416 Emergency Kit for LEDs higher than 6w. For a single lamp.	105,60

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650

Eurocom 4 lámparas / Eurocom 4 lamps



Includes electronic equipment and QR-111 lamps

Ref.	Lamp	Port.	W	TP £
108 AA BB 35CP	QR-111	G53	4x35w	247,66
108 AA BB 50CP	QR-111	G53	4x50w	247,66
108 AA BB 60CP	QR-111	G53	4x60w	294,90
108 AA BB 75CP	QR-111	G53	4x75w	294,90

\* Standardly supplied with maximum lamp opening angle.



Incluye driver y lámpara LED-111

Ref.	Lum.	Port.	W	TP £
108L AA BB 12 83	2520	-	4x11w	526,86

\* Standardly supplied with 3000° K lamp.

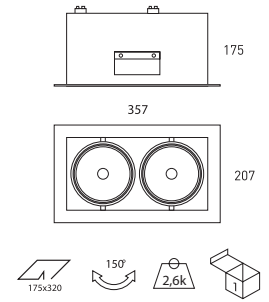
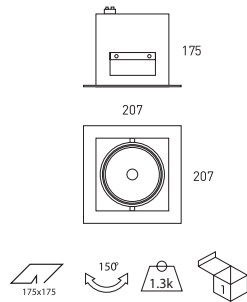
OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Opening angle	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•		•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•

# LECOM

Protection degree IP20



- Material:** Thermo painted steel sheet and injected aluminium.
- Optics:** Optics with adjustable Cardan system and aluminium reflector with glass protector are incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Lecom's fixture admits LED lamps, suitable for commercial, group facilities and exhibition 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 options by request.



## Lecom 1 lamp



Includes driver and LED lamp 13w

Ref.	Lamp	Lumens	W	TP £
765 AA BB 13 84	LED	1522	13w	84,20

\* Standardly supplied with 4000° K lamp.

## Lecom 1 lamp



Includes driver and LED lamp 25w

Ref.	Lamp	Lumens	W	TP £
765 AA BB 25 84	LED	3045	25w	95,60

\* Standardly supplied with 4000° K lamp.

## Rough price increase of accessories

Ref.	TP £
DR1 Dimmable driver 1-10v	49,90
DRD1 Dimmable driver Dali	57,90

## Lecom 2 lamps



Includes driver and LED lamps 13w

Ref.	Lamp	Lumens	W	TP £
766 AA BB 13 84	LED	3044	2x13w	167,30

\* Standardly supplied with 4000° K lamp.

## Lecom 2 lamps



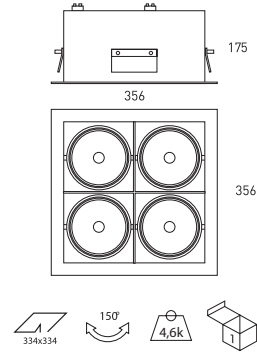
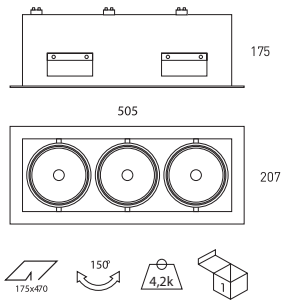
Includes driver and LED lamps 25w

Ref.	Lamp	Lumens	W	TP £
766 AA BB 25 84	LED	6090	2x25w	191,10

\* Standardly supplied with 4000° K lamp.

## Rough price increase of accessories

Ref.	TP £
DR2 Dimmable driver 1-10v	99,80
DRD2 Dimmable driver Dali	115,80



<b>BB</b>	RING		<b>AA</b>	FRAME	
	White	01		White	01
	Black	02		Black	02
	Matt Chrome	52		Matt Chrome	52
	Titanium	90		Titanium	90



### Lecom 3 lamps



Includes driver and LED lamps 13w

Ref.	Lamp	Lumens	W	TP €
<b>767 AA BB 13 84</b>	LED	4566	3x13w	<b>251,80</b>

\* Standardly supplied with 4000° K lamp.

### Lecom 4 lamps



Incluye driver y lámparas LED 13w / Includes driver and LED lamps 13w

Ref.	Lamp	Lumens	W	TP €
<b>768 AA BB 13 84</b>	LED	6088	4x13w	<b>336,20</b>

\* Standardly supplied with 4000° K lamp.

### Lecom 3 lamps



Includes driver and LED lamps 25w

Ref.	Lamp	Lumens	W	TP €
<b>767 AA BB 25 84</b>	LED	9135	3x25w	<b>286,60</b>

\* Standardly supplied with 4000° K lamp.

### Lecom 4 lamps



Includes driver and LED lamps 25w

Ref.	Lamp	Lumens	W	TP €
<b>768 AA BB 25 84</b>	LED	12180	4x25w	<b>382,40</b>

\* Standardly supplied with 4000° K lamp.

Rough price increase of accesories		TP €
Ref. <b>DR3</b>	Dimmable driver 1-10v	<b>149,70</b>
Ref. <b>DRD3</b>	Dimmable driver Dali	<b>173,70</b>

Rough price increase of accesories		TP €
Ref. <b>DR4</b>	Dimmable driver 1-10v	<b>199,60</b>
Ref. <b>DRD3</b>	Dimmable driver Dali	<b>231,60</b>

Rough price increase of accesories		TP €
Ref. <b>SM</b>	Optional LECOM frameless	<b>49,20</b>

OPTIONS	Ref. <b>83</b>	Ref. <b>84</b>	Ref. <b>85</b>
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
LED 13w	1470	1522	1575
LED 25w	2940	3045	3150

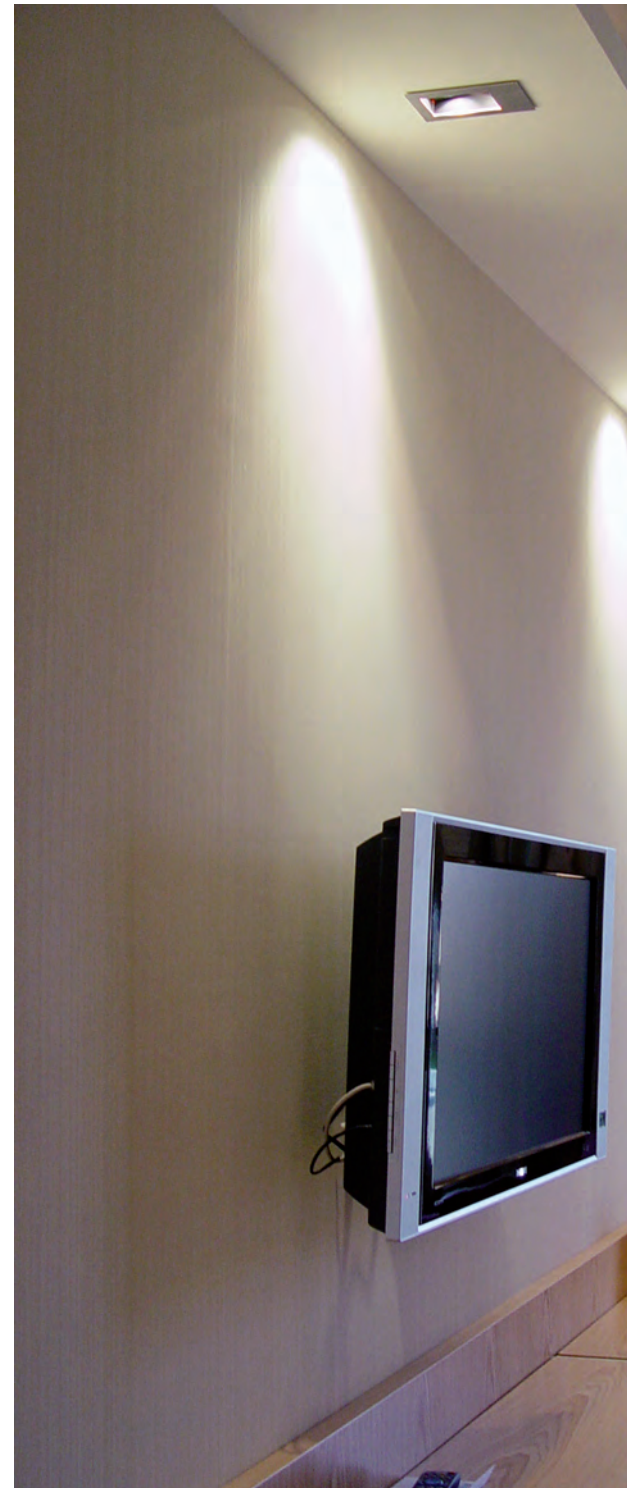
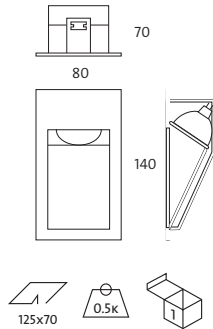


# WOK

Protection degree IP20



- Material:** Thermo painted steel sheet.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Wok's fixture admit dichroic halogen 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.



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
289L 01 05 83	White	250	GU5.3	5w	82,90
289L 02 05 83	Black	250	GU5.3	5w	88,60
289L 90 05 83	Titanium	250	GU5.3	5w	88,60

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

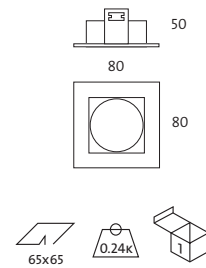


Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP £
289L 01 07 83	White	400	GU-10	7w	85,20
289L 02 07 83	Black	400	GU-10	7w	89,40
289L 90 07 83	Titanium	400	GU-10	7w	89,40

\* Standardly supplied with 3000°K dimmable lamp.

Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP €
290L 01 05 83	White	250	GU5.3	5w	75,80
290L 02 05 83	Black	250	GU5.3	5w	79,80
290L 90 05 83	Titanium	250	GU5.3	5w	79,80

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w

	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280



Includes LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP €
290L 01 07 83	White	400	GU-10	7w	76,80
290L 02 07 83	Black	400	GU-10	7w	79,90
290L 90 07 83	Titanium	400	GU-10	7w	79,90

\* Standardly supplied with 3000°K dimmable lamp.

Rough price increase of accessories

Ref.	TP €
3415 Emergency Kit for LEDs until 6w	89,80

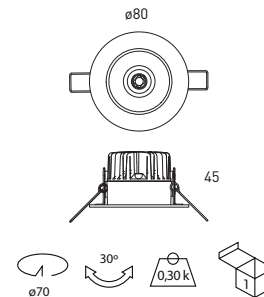


# MITEL OSCILLATING

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Optics incorporated in the lamps with open angles 43°.
- Supply:** All models include high power factor drivers.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled for 9w and Samsung for 14w. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster. Oscillating 30°.
- Colours:** White, black, matt chrome and titanium.



## Mitel oscillating



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
185 01 09 84	White	905	9w	53,24
185 02 09 84	Black	905	9w	55,82
185 52 09 84	Matt chrome	905	9w	55,82
185 90 09 84	Titanium	905	9w	55,82

\* Standardly supplied with 4000° K lamp.

### OPTIONS LED

CRI>80 / Colour temperature	W	Ref. 83 3000°K	Ref. 84 4000°K	Ref. 85 5000°K
Lumens	9	800	905	905
	14	1700	1750	1805

## Mitel oscillating



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
185 01 14 84	White	1750	14w	67,38
185 02 14 84	Black	1750	14w	69,96
185 52 14 84	Matt chrome	1750	14w	69,96
185 90 14 84	Titanium	1750	14w	69,96

\* Standardly supplied with 4000° K lamp.

### Rough price increase of accesories

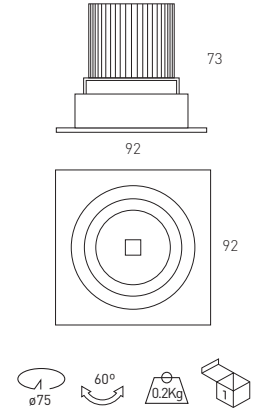
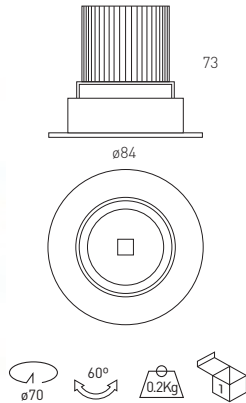
Ref.	Description	TP £
Ref. DRF	Dimmable driver edge phase	13,90
Ref. DR	Dimmable driver 1-10V.	47,40
Ref. DRD	Dimmable driver Dali	52,90
Ref. 3416	Emergency Kit for LEDs higher than 6w	105,60
Ref. IR90	CRI>90 (3000°K / 4000°K)	7,00
Ref. E5	High power factor Driver. 5 year warranty	15,00
Ref. CM	Cierre mate / Matt closing	1,90
Ref. IP65	Índice de protección IP65 / Protection degree IP65	20,90

# LOBEL LOGIC ADJUSTABLE CIRCULAR - SQUARE

Protection degree IP20



- Material:** Natural lathed aluminium.
- Optics:** Optics incorporated in the lamps 38°. Matt lock diffuser for 54° opening angle.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** LED lamp Luxeon M Philips Lumiled
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** Natural aluminium.



## Lobel logic circular adjustable



Includes driver and lamps LED 9w

Ref.	Colour	Lumens	W	TP £
165 00 84	Natural aluminium	905	9w	55,20

\* Standardly supplied with lamp 38° opening angle.  
 \* Standardly supplied with 4000°K Lamp.

OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Luxeon M Philips Lumiled (Lum).	800	905	905

Rough price increase of accessories	TP £
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K)	7,00
Ref. E High power factor Driver	12,00
Ref. E5 High power factor Driver. 5 year warranty	15,00

## Lobel logic square adjustable



Includes driver and lamps LED 9w

Ref.	Colour	Lúmenes	W	TP £
166 00 84	Natural aluminium	905	9w	58,60

\* Standardly supplied with lamp 38° opening angle.  
 \* Standardly supplied with 4000°K Lamp.

OPCIONES / OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / TColour temperature	3000K°	4000°K	5000°K
Luxeon M Philips Lumiled (Lum).	800	905	905

Rough price increase of accessories	TP £
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K)	7,00
Ref. E High power factor Driver	12,00
Ref. E5 High power factor Driver. 5 year warranty	15,00

# LOBEL FIX-ADJUSTABLE

Protection degree IP20



- Material:** Injected aluminium thermo painted.
- Optics:** Optics incorporated in the lamps 38°. Matt lock diffuser for 54° opening angle.
- Supply:** Electronic equipments adapted to the type of lamp and to the power needed are included in all the models.
- Lamps:** LED lamp Luxeon M Philips Lumiled
- Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, gold, chrome, matt chrome and striped nickel.



Lobel fijo / Lobel fix

Incluye driver y lámparas LED 9w / Includes driver and lamps LED 9w

Ref.	Colour	Lumens	W	TP £
160 01 84	White	905	9w	46,50
160 02 84	Black	905	9w	49,50
160 03 84	Gold	905	9w	49,50
160 05 84	Chrome	905	9w	49,50
160 52 84	Matt chrome	905	9w	49,50
160 57 84	Striped nickel	905	9w	49,50

\* Standardly supplied with lamp 38° opening angle.  
\* Standardly supplied with 4000°K lamp.



Lobel orientable / Lobel adjustable

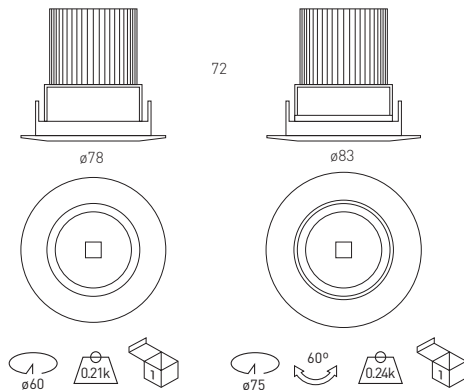
Includes driver and lamps LED 9w

Ref.	Colour	Lumens	W	TP £
162 01 84	White	905	9w	47,70
162 02 84	Black	905	9w	50,70
162 03 84	Gold	905	9w	50,70
162 05 84	Chrome	905	9w	50,70
162 52 84	Matt chrome	905	9w	50,70
162 57 84	Striped nickel	905	9w	50,70

\* Standardly supplied with lamp 38° opening angle.  
\* Standardly supplied with 4000°K lamp.



Ref. **C54**  
Matt lock diffuser 54° opening angle.



Lobel fix

Lobel adjustable

OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Luxeon M Philips Lumiled (Lum).	800	905	905

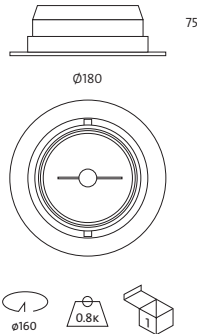
Rough price increase of accessories	TP £
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. C54 Matt lock diffuser 54° opening angle.	3,00
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K)	7,00
Ref. E High power factor Driver	12,00
Ref. E5 High power factor Driver. 5 year warranty	15,00

# NOGO ADJUSTABLE

Protection degree IP20



- Material:** Thermo painted steel sheet and injected aluminium.
- Optics:** Optics with adjustable Cardan system incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Nogo's fixture admit QR-111, LED-111 and CDM-R 111, 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.



## Nogo LED-111



Includes driver and LED-111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
156 01 12 83	White	630	-	11w	168,74
156 02 12 83	Black	630	-	11w	172,88
156 52 12 83	Matt chrome	630	-	11w	172,88
156 90 12 83	Titanium	630	-	11w	172,88

\* Standardly supplied with 3000°K lamp.

## Nogo QR-111



Includes electronic equipment and lamp QR-111

Ref.	Colour	Lamp	Port.	W	TP £
155 01 35	White	QR-111	G53	35w	82,64
155 02 35	Black	QR-111	G53	35w	85,11
155 52 35	Matt chrome	QR-111	G53	35w	85,11
155 90 35	Titanium	QR-111	G53	35w	85,11
155 01 50	White	QR-111	G53	50w	82,64
155 02 50	Black	QR-111	G53	50w	85,11
155 52 50	Matt chrome	QR-111	G53	50w	85,11
155 90 50	Titanium	QR-111	G53	50w	85,11
155 01 60	White	QR-111	G53	60w	89,49
155 02 60	Black	QR-111	G53	60w	93,66
155 52 60	Matt chrome	QR-111	G53	60w	93,66
155 90 60	Titanium	QR-111	G53	60w	93,66
155 01 75	White	QR-111	G53	75w	86,82
155 02 75	Black	QR-111	G53	75w	89,42
155 52 75	Matt chrome	QR-111	G53	75w	89,42
155 90 75	Titanium	QR-111	G53	75w	89,42

\* Standardly supplied with maximum lamp opening angle.

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000Kº	4000°K
Lumens / LED-111 11w	630	650

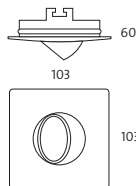
OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Ángulo apertura / Opening angle	4º	8º	24º	45º
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•

# ADJUSTABLE SQUARE ALUMINIUM

Protection degree IP20



- Material:** Thermo painted injected aluminium
- Optics:** Optics with adjustable system incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, matt chrome and matt nickel.



### Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
204 01	White	-	GU5.3	-	7,72
204 03	Gold	-	GU5.3	-	9,93
204 05	Chrome	-	GU5.3	-	9,93
204 52	Matt chrome	-	GU5.3	-	9,93
204 57	Matt nickel	-	GU5.3	-	9,93

### Incluye portalámparas GU-10 / Includes lampholder GU-10

Ref.	Colour	Lamp	Port.	W	TP £
204GU 01	White	-	GU-10	-	8,62
204GU 03	Gold	-	GU-10	-	11,13
204GU 05	Chrome	-	GU-10	-	11,13
204GU 52	Matt chrome	-	GU-10	-	11,13
204GU 57	Matt nickel	-	GU-10	-	11,13

### Includes driver and LED lamp 5w



Ref.	Colour	Lum.	Port.	W	€
204L 01 05 83	White	250	GU5,3	5w	32,90
204L 03 05 83	Gold	250	GU5,3	5w	34,72
204L 05 05 83	Chrome	250	GU5,3	5w	34,72
204L 52 05 83	Matt chrome	250	GU5,3	5w	34,72
204L 57 05 83	Matt nickel	250	GU5,3	5w	34,72

\* Standardly supplied with 3000°K lamp.

### Includes LED lamp 5w GU-10



Ref.	Colour	Lum.	Port.	W	TP £
204GUL 01 05 83	White	250	GU-10	5w	29,52
204GUL 03 05 83	Gold	250	GU-10	5w	31,73
204GUL 05 05 83	Chrome	250	GU-10	5w	31,73
204GUL 52 05 83	Matt chrome	250	GU-10	5w	31,73
204GUL 57 05 83	Matt nickel	250	GU-10	5w	31,73

\* Standardly supplied with 3000°K lamp.

### OPTIONS LED 5w

Ref. 83

Ref. 84

CRI>80 / Colour temperature

3000K°

4000°K

Lumens LED 5w

250

280

### Rough price increase of accessories

TP £

Ref. 3415 Emergency Kit for LEDs until 6w

89,80

Ref. 3416 Emergency Kit for LEDs higher than 6w

105,60



### Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port./ L/H	W	TP £
204GUL 01 07 83	White	400	GU-10	7w	35,60
204GUL 03 07 83	Gold	400	GU-10	7w	37,90
204GUL 05 07 83	Chrome	400	GU-10	7w	37,90
204GUL 52 07 83	Matt chrome	400	GU-10	7w	37,90
204GUL 57 07 83	Matt nickel	400	GU-10	7w	37,90

\* Standardly supplied with 3000°K dimmable lamp.

### Rough price increase of accessories

€

Ref. 3418 Emergency Kit for LEDs GU-10 until 7w

106,30

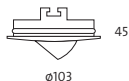


## ADJUSTABLE CIRCULAR ALUMINIUM

Protection degree IP20



- Material:** Thermo painted injected aluminium
- Optics:** Optics with adjustable system incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, matt chrome and matt nickel.



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
203L 01 05 83	White	250	GU5.3	5w	33,51
203L 03 05 83	Gold	250	GU5.3	5w	36,01
203L 05 05 83	Chrome	250	GU5.3	5w	36,01
203L 52 05 83	Matt chrome	250	GU5.3	5w	36,01
203L 57 05 83	Matt nickel	250	GU5.3	5w	36,01

\* Standardly supplied with 3000°K lamp.



Includes LED lamp 5w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
203L 10 01 05 83	White	250	GU-10	5w	28,41
203L 10 03 05 83	Gold	250	GU-10	5w	30,91
203L 10 05 05 83	Chrome	250	GU-10	5w	30,91
203L 10 52 05 83	Matt chrome	250	GU-10	5w	30,91
203L 10 57 05 83	Matt nickel	250	GU-10	5w	30,91

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 /Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes lampholder GU-10

Ref.	Colour	Lamp	Port.	W	TP £
203 10 01	White	-	GU-10	-	8,41
203 10 03	Gold	-	GU-10	-	11,21
203 10 05	Chrome	-	GU-10	-	11,21
203 10 52	Matt chrome	-	GU-10	-	11,21
203 10 57	Matt nickel	-	GU-10	-	11,21

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
203 01	White	-	GU5.3	-	6,61
203 03	Gold	-	GU5.3	-	9,11
203 05	Chrome	-	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 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
203L 10 01 07 83	White	400	GU-10	7w	35,20
203L 10 03 07 83	Gold	400	GU-10	7w	39,80
203L 10 05 07 83	Chrome	400	GU-10	7w	39,80
203L 10 52 07 83	Matt chrome	400	GU-10	7w	39,80
203L 10 57 07 83	Matt nickel	400	GU-10	7w	39,80

\* Standardly supplied with 3000°K dimmable lamp.

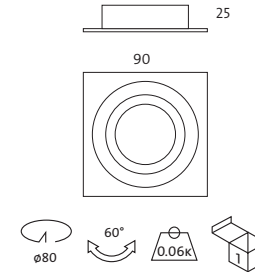
Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

# LOGIC

Protection degree IP20



- Material:** Natural lathed aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses a halogen 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 GU-10

Ref.	Colour	Lamp	Port.	W	TP £
227 10 00	Natural al.	-	GU-10	-	15,72
227 10 01	White	-	GU-10	-	15,96

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
227 00	Natural al.	-	GU5.3	-	13,92
227 01	White	-	GU5.3	-	14,16



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
227L 00 05 83	Natural al.	250	GU5.3	5w	39,70
227L 01 05 83	White	250	GU5.3	5w	39,94

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

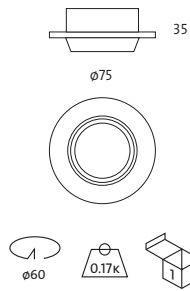


Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
227L 00 07 83	Natural al.	400	GU-10	7w	37,90
227L 01 07 83	White	400	GU-10	7w	38,14

\* Standardly supplied with 3000°K dimmable lamp.

Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30



**Logic fix**

Includes lampholder GU-10

Ref.	Colour	Lamp	Port.	W	TP £
229 10 00	Natural al.	-	GU-10	-	13,88
229 10 01	White	-	GU-10	-	14,12

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
229 00	Natural al.	-	GU5.3	-	12,08
229 01	White	-	GU5.3	-	12,32

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
229L 00 05 83	Natural al.	250	GU5.3	5w	37,80
229L 01 05 83	White	250	GU5.3	5w	38,04

\* Standardly supplied with 3000°K lamp.

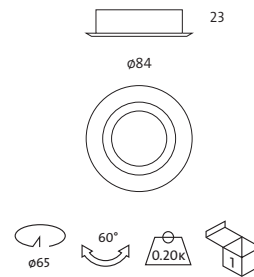
OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
229L 00 07 83	Natural al.	400	GU-10	7w	43,90
229L 01 07 83	White	400	GU-10	7w	44,14

\* Standardly supplied with 3000°K dimmable lamp.

Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30



**Logic adjustable**

Includes lampholder GU-10

Ref.	Colour	Lamp	Port.	W	TP £
228 10 00	Natural al.	-	GU-10	-	12,81
228 10 01	White	-	GU-10	-	13,05

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
228 00	Natural al.	-	GU5.3	-	11,01
228 01	White	-	GU5.3	-	11,25

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
228L 00 05 83	Natural al.	250	GU5.3	5w	43,20
228L 01 05 83	White	250	GU5.3	5w	43,44

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
228L 00 07 83	Natural al.	400	GU-10	7w	41,10
228L 01 07 83	White	400	GU-10	7w	41,34

\* Standardly supplied with 3000°K dimmable lamp

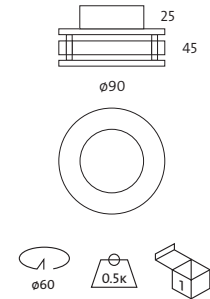
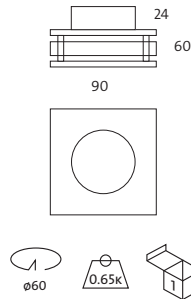
Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

# BRAVIA

Protection degree IP20



- Material:** Aluminium and methacrylate
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses a halogen 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	Port.	W	TP £
219 00	Natural al.	-	GU5.3	-	34,20

Includes lampholder GU-10

Ref.	Colour	Lamp	Port./ L/H	W	TP £
219 10 00	Natural al.	-	GU-10	-	36,00

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
219L 00 05 83	Natural al.	250	GU5.3	5w	44,80

\* Standardly supplied with 3000°K lamp.

OPCIONES / OPTIONS LED 5w

	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
219L 00 10 07 83	Natural al.	400	GU-10	7w	47,90

\* Standardly supplied with 3000°K dimmable lamp.

Rough price increase of accessories

	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

## Bravia circular

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
220 00	Natural al.	-	GU5.3	-	36,97

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP £
220 10 00	Natural al.	-	GU-10	-	38,77

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
220L 00 05 83	Natural al.	250	GU5.3	5w	48,90

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w

	Ref. 83	Ref. 84
Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
220L 00 10 07 83	Natural al.	400	GU-10	7w	49,80

\* Standardly supplied with 3000°K dimmable lamp.

Rough price increase of accessories

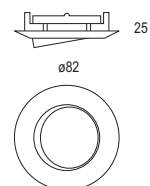
	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

## ADJUSTABLE ALUMINIUM 50mm.

Protection degree IP20



- Material:** Thermo painted injected aluminium  
**Optics:** Optics with adjustable system incorporated in the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It uses halogen 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, chrome, matt chrome, and titanium.



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP €
286L 01 05 83	White	250	GU5.3	5w	33,80
286L 02 05 83	Black	250	GU5.3	5w	35,20
286L 03 05 83	Gold	250	GU5.3	5w	35,20
286L 05 05 83	Chrome	250	GU5.3	5w	35,20
286L 52 05 83	Matt chrome	250	GU5.3	5w	35,20

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Incluye portalámparas GU-10 / Includes lampholder GU-10

Ref.	Colour	Lamp	Port.	W	TP €
286 10 01	White	-	GU-10	-	6,50
286 10 02	Black	-	GU-10	-	7,90
286 10 03	Gold	-	GU-10	-	7,90
286 10 05	Chrome	-	GU-10	-	7,90
286 10 52	Matt chrome	-	GU-10	-	7,90

Incluye portalámparas GU5.3 / Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP €
286 01	White	-	GU5.3	-	4,70
286 02	Black	-	GU5.3	-	6,20
286 03	Gold	-	GU5.3	-	6,20
286 05	Chrome	-	GU5.3	-	6,20
286 52	Matt chrome	-	GU5.3	-	6,20



Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP €
286L 01 10 07 83	White	400	GU-10	7w	33,60
286L 02 10 07 83	Black	400	GU-10	7w	35,10
286L 03 10 07 83	Gold	400	GU-10	7w	35,10
286L 05 10 07 83	Chrome	400	GU-10	7w	35,10
286L 52 10 07 83	Matt chrome	400	GU-10	7w	35,10

\* Standardly supplied with 3000°K dimmable lamp.

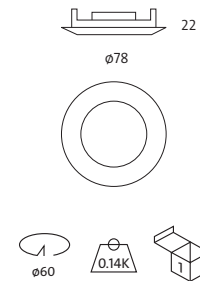
Rough price increase of accessories	TP €
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

# FIX ALUMINIUM 50 mm.

Protection degree IP20



- Material:** Thermo painted injected aluminium
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, chrome, matt chrome, and titanium.



Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP €
287L 01 10 07 83	White	400	GU-10	7w	32,40
287L 02 10 07 83	Black	400	GU-10	7w	34,20
287L 03 10 07 83	Gold	400	GU-10	7w	34,20
287L 05 10 07 83	Chrome	400	GU-10	7w	34,20
287L 52 10 07 83	Matt chrome	400	GU-10	7w	34,20

\* Standardly supplied with 3000°K dimmable lamp.



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP €
287L 01 05 83	White	250	GU5.3	5w	32,60
287L 02 05 83	Black	250	GU5.3	5w	34,40
287L 03 05 83	Gold	250	GU5.3	5w	34,40
287L 05 05 83	Chrome	250	GU5.3	5w	34,40
287L 52 05 83	Matt chrome	250	GU5.3	5w	34,40

\* Standardly supplied with 3000°K lamp.

Includes lampholder GU-10

Ref.	Colour	Lamp	Port.	W	TP €
287 10 01	White	-	GU-10	-	4,89
287 10 02	Black	-	GU-10	-	5,76
287 10 03	Gold	-	GU-10	-	5,76
287 10 05	Chrome	-	GU-10	-	5,76
287 10 52	Matt chrome	-	GU-10	-	5,76

Includes lampholder GU5.3

Ref.	Colour	Lamp	Port.	W	TP €
287 01	White	-	GU5.3	-	3,09
287 02	Black	-	GU5.3	-	3,96
287 03	Gold	-	GU5.3	-	3,96
287 05	Chrome	-	GU5.3	-	3,96
287 52	Matt chrome	-	GU5.3	-	3,96

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

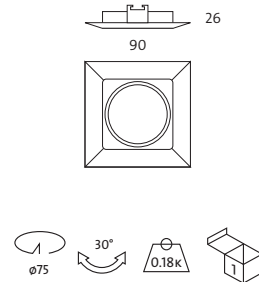
Rough price increase of accessories	TP €
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

# SQUARE ALUMINIUM 50mm.

Protection degree IP20



- Material:** Thermo painted injected aluminium
- Optics:** Optics with oscillating system incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, chrome, matt chrome, and titanium.



**Includes LED lamp 7w GU-10**

Ref.	Colour	Lum.	Port.	W	TP €
284L 01 10 07 83	White	400	GU-10	7w	39,49
284L 02 10 07 83	Black	400	GU-10	7w	40,94
284L 03 10 07 83	Gold	400	GU-10	7w	40,94
284L 05 10 07 83	Chrome	400	GU-10	7w	40,94
284L 52 10 07 83	Matt chrome	400	GU-10	7w	40,94
284L 90 10 07 83	Titanium	400	GU-10	7w	40,94

\* Standardly supplied with 3000°K dimmable lamp.



**Includes driver and LED lamp 5w**

Ref.	Colour	Lum.	Port.	W	TP €
284L 01 05 83	White	250	GU5.3	5w	39,69
284L 02 05 83	Black	250	GU5.3	5w	41,14
284L 03 05 83	Gold	250	GU5.3	5w	41,14
284L 05 05 83	Chrome	250	GU5.3	5w	41,14
284L 52 05 83	Matt chrome	250	GU5.3	5w	41,14
284L 90 05 83	Titanium	250	GU5.3	5w	41,14

\* Standardly supplied with 3000°K lamp.

**Includes lampholder GU-10**

Ref.	Colour	Lamp	Port.	W	TP €
284 10 01	White	-	GU-10	-	8,59
284 10 02	Black	-	GU-10	-	10,14
284 10 03	Gold	-	GU-10	-	10,14
284 10 05	Chrome	-	GU-10	-	10,14
284 10 52	Matt chrome	-	GU-10	-	10,14
284 10 90	Titanium	-	GU-10	-	10,14

**Includes lampholder GU5.3**

Ref.	Colour	Lamp	Port.	W	TP €
284 01	White	-	GU5.3	-	6,79
284 02	Black	-	GU5.3	-	8,24
284 03	Gold	-	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

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

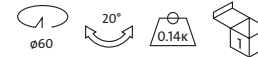
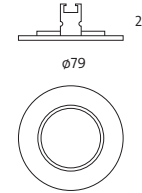
Rough price increase of accessories	TP €
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

# FIX CIRCULAR 50mm.

Protection degree IP20



- Material:** Thermo painted steel sheet.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, chrome, matt chrome, and titanium.



**Includes LED lamp 7w GU-10**

Ref.	Colour	Lum.	Port.	W	TP £
202L 01 10 07 83	White	400	GU-10	7w	31,10
202L 02 10 07 83	Black	400	GU-10	7w	32,20
202L 03 10 07 83	Gold	400	GU-10	7w	32,20
202L 05 10 07 83	Chrome	400	GU-10	7w	32,20
202L 52 10 07 83	Matt chrome	400	GU-10	7w	32,20

\* Standardly supplied with 3000°K dimmable lamp.



**Includes driver and LED lamp 5w**

Ref.	Colour	Lum.	Port.	W	TP £
202L 01 05 83	White	250	GU5.3	5w	31,20
202L 02 05 83	Black	250	GU5.3	5w	32,40
202L 03 05 83	Gold	250	GU5.3	5w	32,40
202L 05 05 83	Chrome	250	GU5.3	5w	32,40
202L 52 05 83	Matt chrome	250	GU5.3	5w	32,40

\* Standardly supplied with 3000°K lamp.

**Includes lampholder GU-10**

Ref.	Colour	Lamp	Port.	W	TP £
202 10 01	White	-	GU-10	-	3,61
202 10 02	Black	-	GU-10	-	4,35
202 10 03	Gold	-	GU-10	-	4,35
202 10 05	Chrome	-	GU-10	-	4,35
202 10 52	Matt chrome	-	GU-10	-	4,35

**Includes lampholder GU5.3**

Ref.	Colour	Lamp	Port.	W	TP £
202 01	White	-	GU5.3	-	1,81
202 02	Black	-	GU5.3	-	2,55
202 03	Gold	-	GU5.3	-	2,55
202 05	Chrome	-	GU5.3	-	2,55
202 52	Matt chrome	-	GU5.3	-	2,55

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30





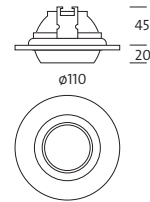


# ADJUSTABLE 50mm.

Protection degree IP20



- Material:** Thermo painted steel sheet.
- Optics:** Optics with adjustable system incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, chrome, matt chrome, and titanium.



**Includes lampholder GU-10**

Ref.	Colour	Lamp	Port.	W	TP £
201 10 01	White	-	GU-10	-	5,77
201 10 02	Black	-	GU-10	-	7,77
201 10 03	Gold	-	GU-10	-	7,77
201 10 05	Chrome	-	GU-10	-	7,77
201 10 52	Matt chrome	-	GU-10	-	7,77

**Includes lampholder GU5.3**

Ref.	Colour	Lamp	Port.	W	TP £
201 01	White	-	GU5.3	-	3,97
201 02	Black	-	GU5.3	-	5,97
201 03	Gold	-	GU5.3	-	5,97
201 05	Chrome	-	GU5.3	-	5,97
201 52	Matt chrome	-	GU5.3	-	5,97



**Includes LED lamp 7w GU-10**

Ref.	Colour	Lum.	Port.	W	TP £
201L 01 10 07 83	White	400	GU-10	7w	33,14
201L 02 10 07 83	Black	400	GU-10	7w	34,88
201L 03 10 07 83	Gold	400	GU-10	7w	34,88
201L 05 10 07 83	Chrome	400	GU-10	7w	34,88
201L 52 10 07 83	Matt chrome	400	GU-10	7w	34,88

\* Standardly supplied with 3000°K dimmable lamp.



**Includes driver and LED lamp 5w**

Ref.	Colour	Lum.	Port.	W	TP £
201L 01 05 83	White	250	GU5.3	5w	33,20
201L 02 05 83	Black	250	GU5.3	5w	34,98
201L 03 05 83	Gold	250	GU5.3	5w	34,98
201L 05 05 83	Chrome	250	GU5.3	5w	34,98
201L 52 05 83	Matt chrome	250	GU5.3	5w	34,98

\* Standardly supplied with 3000°K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

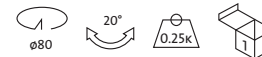
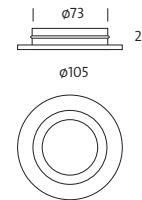
Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

# OSCILLATING 50mm.

Protection degree IP20



- Material:** Thermo painted steel sheet.
- Optics:** Optics with oscillating system incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses halogen 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, chrome, matt chrome, and titanium.



Includes LED lamp 7w GU-10

Ref.	Colour	Lum.	Port.	W	TP £
207L 01 10 07 83	White	400	GU-10	7w	33,44
207L 02 10 07 83	Black	400	GU-10	7w	36,10
207L 03 10 07 83	Gold	400	GU-10	7w	36,10
207L 05 10 07 83	Chrome	400	GU-10	7w	36,10
207L 52 10 07 83	Matt chrome	400	GU-10	7w	36,10

\* Standardly supplied with 3000°K dimmable lamp.



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
207L 01 05 83	White	250	GU5.3	5w	33,55
207L 02 05 83	Black	250	GU5.3	5w	36,20
207L 03 05 83	Gold	250	GU5.3	5w	36,20
207L 05 05 83	Chrome	250	GU5.3	5w	36,20
207L 52 05 83	Matt chrome	250	GU5.3	5w	36,20

\* Standardly supplied with 3000°K lamp.

Includes lampholder GU-10

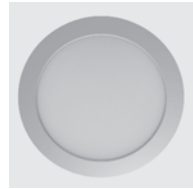
Ref.	Colour	Lamp	Port./ L/H	W	TP £
207 10 01	White	-	GU-10	-	6,18
207 10 02	Black	-	GU-10	-	8,21
207 10 03	Gold	-	GU-10	-	8,21
207 10 05	Chrome	-	GU-10	-	8,21
207 10 52	Matt chrome	-	GU-10	-	8,21

Includes lampholder GU5.3

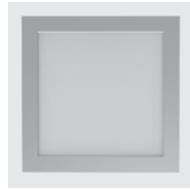
Ref.	Colour	Lamp	Port./ L/H	W	TP £
207 01	White	-	GU5.3	-	4,38
207 02	Black	-	GU5.3	-	6,41
207 03	Gold	-	GU5.3	-	6,41
207 05	Chrome	-	GU5.3	-	6,41
207 52	Matt chrome	-	GU5.3	-	6,41

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280

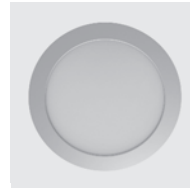
Rough price increase of accessories	TP £
Ref. 3418 Emergency Kit for LEDs GU-10 until 7w	106,30

Aircom LED

Aircom circular 120



Aircom square 122



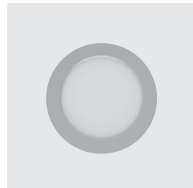
Aircom Supra 124



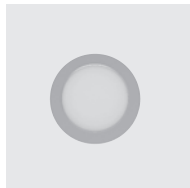
Aircom Supra Plus 126



Aircom Medium 127



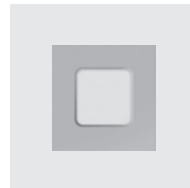
Mini Aircom circular 128



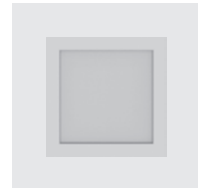
Aircom Micro circular 129



Aircom Micro Adjustable 130



Aircom Micro square 131



Mini Aircom square 132

Waterproof Ducto LED

Ecoducto 133

Loop

Loop Micro 135



Loop Mini 136



Loop Medium 136



Loop 137

Downlight Ledión

Ledión Micro 138



Ledión Mini 139

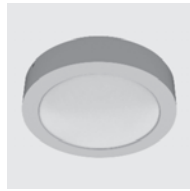


Ledión 140

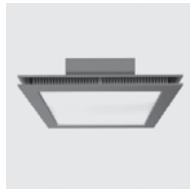


Supraledión 141

Downlight PL surface



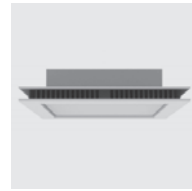
Aircom circular 120



Aircom square 122



Mini Aircom circ. 128



Mini Aircom square 132

Downlight PL



Ducto PL 142

Downlight recessed



Supra rectangular adjustable 144

Furniture luminaire



Ture surface 146  
Ture recessed





## APPLICATIONS FOR LED

### Chromatic reproduction index (CRI 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. DR Dimmable Driver by Signal 1-10v.

This system is one of the earliest and simplest systems ever created. Consists in creating a DC voltage that varies between one and ten volts, to control the proportional percentage of the light power, 1 volt to have a power of 10% and 10 volts for 100% power. This system requires passing a cable through the control channel (plus a common return wire). The interference from nearby power cables can affect the signal installation, causing even flicker.

### Ref. DRD Dimmable driver Dali

It consists of a controller and one or more light fixtures DALI type. This driver ("master") can monitor and manage the light of other devices ("slaves") individually or collectively. To accomplish this goal, to each device is assigned a unique and static address with a numeric range, they should be connected together with just a pair of copper wires for the DALI communication.

### Ref. DRP Dimmable Driver for Pushbutton

A short press will turn ON or OFF the light. A long press increases or decreases the light intensity. Once you reach the maximum or minimum value will stop automatically. The maximum cable length from the pushbutton to the last driver should be inferior to 15m. In case of exceeding this length, you must ensure the maintenance of the standard supply. The installation of the synchronization cable is required.

### Ref. 3420 Connection Cable DRP

Allows the correct synchronization of devices. Connected via plug-in terminals between devices. A master cable controls a maximum of nine slaves.

### Ref. PCFT Flux control surface

Light sensor device that allows the automatic adjustment to ambient light. Designed to save large amounts of energy compensating excessive levels of lighting. This device is fixed to the ceiling (surface) and is connected to a 1-10v dimmable driver. Where this device is connected it will be considered the "master" driver and depending on the light received by the sensor connected to that driver may regulated a maximum of 10 drivers in the same line. The installation of the synchronization cable is required. Additionally, this sensor has a rotary diaphragm, by which you can manually configure the desired lighting level.

### Ref. CF23 Mini flow control integrated into luminaire

Mini flux control is a light sensor built into the luminaire, which automatically controls the 1-10V dimmable driver to maintain a constant light flow depending on the ambient light. It is designed to save large amounts of energy, compensating excessive levels of lighting. Where it is connected this device will be the "master" driver and depending on the light received by the sensor connected to that driver, it can be regulated in the same line to a maximum of 10 drivers. A synchronization cable would be needed into each slave fixture (Ref. 3420). This sensor has a rotary diagram by which the desired lighting level can be manually set.

### Ref. DM8 Motion detector

LED Automatic energy saving system. Motion sensor integrated into the luminaire activating lights when motion is detected. Variable detection range up to 8 meters, 100 ° detection angle. Automatic identification between day / night. Adjustable sensitivity. Up to 15 units of downlight with only 1 motion detector. Ability to set the sleep time of 5 sec., 30 sec., 1 min., 3 min., 5 min. and 8 min. Standard configuration, setting off in 5 min. and setting on only at night.



# AIRCOM CIRCULAR

Protection degree IP44



- Material:** Bodies made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E5 with a total power of 15w and 20w.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster or surface, directly screw on ceiling by screws (not included).
- Colours:** White, black, gold, chrome, chrome matt, nickel matt and titanium.



## Aircom circular recessed 15w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4220 01 84	White	1740	15w	82,90
4220 02 84	Black	1740	15w	90,30
4220 03 84	Gold	1740	15w	118,80
4220 05 84	Chrome	1740	15w	106,50
4220 52 84	Matt Chrome	1740	15w	89,90
4220 57 84	Nickel matt	1740	15w	109,90
4220 90 84	Titanium	1740	15w	90,30

\* Standardly supplied with 4000° K LED lamp.

## Aircom circular surface 15w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4221 01 84	White	1740	15w	124,40
4221 02 84	Black	1740	15w	128,90
4221 52 84	Matt Chrome	1740	15w	128,90
4221 90 84	Titanium	1740	15w	128,90

\* Standardly supplied with 4000° K LED lamp.



## Aircom circular recessed 20w

Includes driver and LED lamp

Ref.	Colour	Lúmenes	W	TP £
4220 01 20 84	White	2677	20w	91,90
4220 02 20 84	Black	2677	20w	101,60
4220 03 20 84	Gold	2677	20w	131,60
4220 05 20 84	Chrome	2677	20w	119,90
4220 52 20 84	Matt Chrome	2677	20w	101,60
4220 57 20 84	Nickel matt	2677	20w	122,60
4220 90 20 84	Titanium	2677	20w	101,60

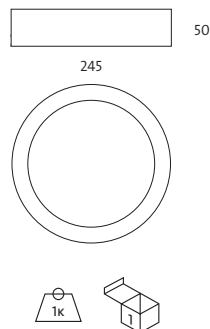
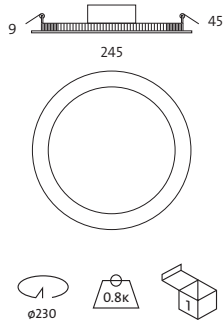
\* Standardly supplied with 4000° K LED lamp.

## Aircom circular surface 20w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4221 01 20 84	White	2677	20w	136,80
4221 02 20 84	Black	2677	20w	139,52
4221 52 20 84	Matt Chrome	2677	20w	139,52
4221 90 20 84	Titanium	2677	20w	139,52

\* Standardly supplied with 4000° K LED lamp.



Rough price increase of driver		TP €
Ref. DRF	Dimmable driver edge phase	22,22
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DRP	Dimmable driver with push button	62,50
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. PCFT	Lighting control system for DR surface	54,90
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR	9,60
Ref. 3416	Emergency kit (recessed only)	105,90
Ref. 4160	Driver to power 12 Vdc.	41,90
Ref. 416024	Driver to power 24 Vdc.	41,90
Ref. AM	Special marine environment paint	25,00

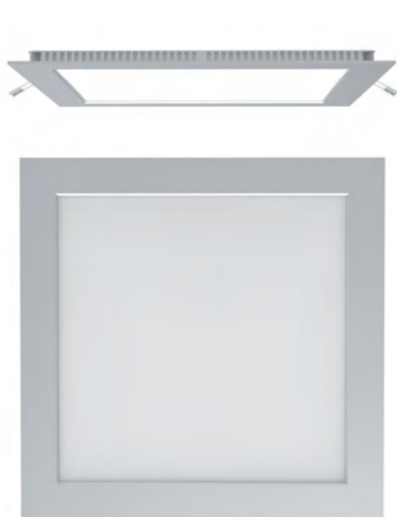
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 15w	1600	1740	2000
Lum 20w	2600	2677	2677

# AIRCOM SQUARE

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.  
**Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.  
**Supply:** All models include high power factor drivers.  
**Lamps:** Modules composed of LEDs Duris E5 with a total power of 20w and 26w.  
**Estimated life:** Estimated life spam 50.000 hours.  
**Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster or surface, directly screw on ceiling by screws (not included).  
**Colours:** White, black, gold, chrome, chrome matt, nickel matt and titanium.



## Aircom square recessed 20w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4223 01 84	White	2677	20w	109,60
4223 02 84	Black	2677	20w	115,60
4223 03 84	Gold	2677	20w	168,80
4223 05 84	Chrome	2677	20w	149,80
4223 52 84	Matt Chrome	2677	20w	115,60
4223 57 84	Nickel matt	2677	20w	149,80
4223 90 84	Titanium	2677	20w	115,60

\* Standardly supplied with 4000° K LED lamp.



## Aircom square recessed 26w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4223 26 01 84	White	3386	26w	119,60
4223 26 02 84	Black	3386	26w	126,20
4223 26 03 84	Gold	3386	26w	178,90
4223 26 05 84	Chrome	3386	26w	159,10
4223 26 52 84	Matt Chrome	3386	26w	126,20
4223 26 57 84	Nickel matt	3386	26w	168,60
4223 26 90 84	Titanium	3386	26w	126,20

\* Standardly supplied with 4000° K LED lamp.



## Aircom square surface 20w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4224 01 84	White	2677	20w	165,60
4224 02 84	Black	2677	20w	168,80
4224 52 84	Matt Chrome	2677	20w	168,80
4224 90 84	Titanium	2677	20w	168,80

\* Standardly supplied with 4000° K LED lamp.

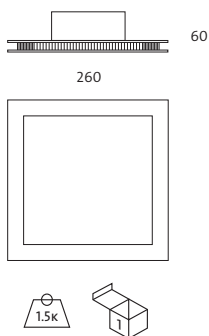
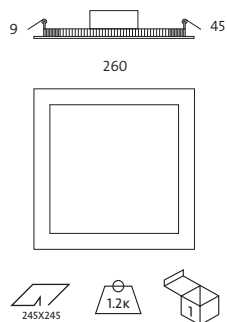


## Aircom square surface 26w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4224 26 01 84	White	3386	26w	168,20
4224 26 02 84	Black	3386	26w	169,90
4224 26 52 84	Matt Chrome	3386	26w	169,90
4224 26 90 84	Titanium	3386	26w	169,90

\* Standardly supplied with 4000° K LED lamp.



Rough price increase of driver		TP €
Ref. DRF	Dimmable driver edge phase / 20w	22,22
Ref. DR	Driver dimmable 1-10V	49,40
Ref. DRD	Driver dimmable Dali	56,90
Ref. DRP	Dimmable driver with push button	66,50
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. PCFT	Lighting control system for DR surface	54,90
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR	9,60
Ref. 3416	Emergency kit (recessed only)	105,90
Ref. 4160	Driver to power 12 Vdc.	41,90
Ref. 416024	Driver to power 24 Vdc.	41,90
Ref. AM	Special marine environment paint	25,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	2600	2677	2677
Lum 26w	3300	3386	3386

# AIRCOM SUPRA CIRCULAR

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E5 with a total power of 20w, 30w, 40w and 60w.
- Estimated life:** Estimated life spam 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin .



## Aircom Supra 20w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4227 01 20 84	White	2677	20w	105,60
4227 02 20 84	Black	2677	20w	107,40
4227 03 20 84	Gold	2677	20w	131,60
4227 05 20 84	Chrome	2677	20w	115,90
4227 33 20 84	Matt Gold	2677	20w	107,40
4227 52 20 84	Matt Chrome	2677	20w	107,40
4227 55 20 84	Nickel	2677	20w	107,40
4227 57 20 84	Nickel matt	2677	20w	131,60
4227 80 20 84	Satin	2677	20w	131,60
4227 90 20 84	Titanium	2677	20w	107,40

\* Standardly supplied with 4000° K LED lamp.

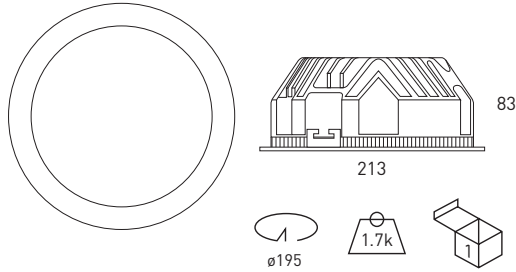


## Aircom Supra 30w / Aircom Supra 30w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4227 01 30 84	White	3395	30w	158,10
4227 02 30 84	Black	3395	30w	159,90
4227 03 30 84	Gold	3395	30w	184,10
4227 05 30 84	Chrome	3395	30w	168,40
4227 33 30 84	Matt Gold	3395	30w	159,90
4227 52 30 84	Matt Chrome	3395	30w	159,90
4227 55 30 84	Nickel	3395	30w	159,90
4227 57 30 84	Nickel matt	3395	30w	184,10
4227 80 30 84	Satin	3395	30w	184,10
4227 90 30 84	Titanium	3395	30w	159,90

\* Standardly supplied with 4000° K LED lamp.



**Aircom Supra 40w**

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 40 84	White	5556	40w	186,20
4227 02 40 84	Black	5556	40w	188,40
4227 03 40 84	Gold	5556	40w	212,20
4227 05 40 84	Chrome	5556	40w	196,90
4227 33 40 84	Matt Gold	5556	40w	188,40
4227 52 40 84	Matt Chrome	5556	40w	188,40
4227 55 40 84	Nickel	5556	40w	188,40
4227 57 40 84	Nickel matt	5556	40w	212,20
4227 80 40 84	Satin	5556	40w	212,20
4227 90 40 84	Titanium	5556	40w	188,40

\* Standardly supplied with 4000° K LED lamp.

**Aircom Supra 60w**

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 60 84	White	8026	60w	199,90
4227 02 60 84	Black	8026	60w	202,10
4227 03 60 84	Gold	8026	60w	226,80
4227 05 60 84	Chrome	8026	60w	210,40
4227 33 60 84	Matt Gold	8026	60w	202,10
4227 52 60 84	Matt Chrome	8026	60w	202,10
4227 55 60 84	Nickel	8026	60w	202,10
4227 57 60 84	Niquel rayado / Nickel matt	8026	60w	226,80
4227 80 60 84	Satinado / Satin	8026	60w	226,80
4227 90 60 84	Titanio / Titanium	8026	60w	202,10

\* Standardly supplied with 4000° K LED lamp.

**Rough increase of LED**

Ref.	Lamp	Colour LED.	W	TP £
4227 01 60 R	LED	Red ●	30w/60w	41,20
4227 01 60 G	LED	Green ●	30w/60w	41,20
4227 01 60 B	LED	Blue ●	30w/60w	41,20

**OPTIONS LED**

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	2600	2677	2677
Lum 30w	3370	3395	3395
Lum 40w	5543	5556	5556
Lum 60w	8007	8026	8026

**Rough price increase of lamp**

	20w	30w	40w	60w
Ref. LPF  LEDs Fish - 4000K - CRI>90	17,00	18,00	26,00	27,00
Ref. LPB  LEDs Bread - 3000K - CRI>90	17,00	18,00	26,00	27,00
Ref. LCM  LEDs Meat - 2700K - CRI>90	17,00	18,00	26,00	27,00
Ref. LVV  LEDs Veg. and fruit - 4000K - CRI>90	17,00	18,00	26,00	27,00

**Rough price increase of driver**

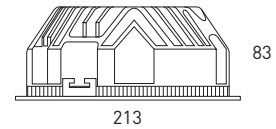
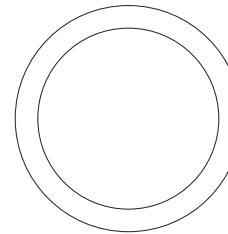
Ref.	TP £
Ref. DRF Dimmable driver edge phase / 20w	22,22
Ref. IP65 Protection degree IP65	15,20
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. CF23 Mini flux control Integrated in the luminaire	44,00
Ref. 3416 Emergency kit	105,90
Ref. 4160 Driver to power 12 Vdc. / 20w-30w-40w	41,90
Ref. 4160 24 Driver to power 24 Vdc. / 20w-30w-40w	41,90
Ref. CRI90 Only for transparent closing]	20,60
Ref. AM Special marine environment paint	25,00
Ref. CT Transparent closing	0,60

# AIRCOM SUPRA PLUS CIRCULAR

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Osram Oslon SSL with a total power of 60w.
- Estimated life:** Estimated life spam 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin.



## Aircom Supra Plus 60w



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 65 84	White	7020	60w	208,60
4227 02 65 84	Black	7020	60w	211,20
4227 03 65 84	Gold	7020	60w	235,40
4227 05 65 84	Chrome	7020	60w	219,80
4227 33 65 84	Matt Gold	7020	60w	211,20
4227 52 65 84	Matt Chrome	7020	60w	211,20
4227 55 65 84	Nickel	7020	60w	211,20
4227 57 65 84	Nickel matt	7020	60w	235,40
4227 80 65 84	Satin	7020	60w	235,40
4227 90 65 84	Titanium	7020	60w	211,20

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 60w	6780	7020	7020

	TP £
<b>Rough price increase of driver</b>	
Ref. <b>IP65</b> Protection degree IP65	15,20
Ref. <b>DR</b> Driver dimmable 1-10V	47,40
Ref. <b>DRD</b> Driver dimmable Dali	52,90
Ref. <b>DM8</b> Motion detector Integrated in the luminaire	30,00
Ref. <b>CF23</b> Mini flux control Integrated in the luminaire	44,00
Ref. <b>3416</b> Emergency kit	105,90
Ref. <b>4160</b> Driver to power 12 Vdc.	41,90
Ref. <b>4160 24</b> Driver to power 24 Vdc.	41,90
Ref. <b>CRI90</b> Only for transparent closing]	20,60
Ref. <b>AM</b> Special marine environment paint	25,00

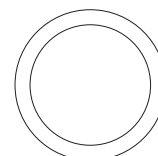
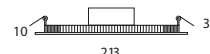
	60W
<b>Rough price increase of lamp</b>	
Ref. <b>LPF</b> LEDs Fish - 4000°K - CRI>90	27,00
Ref. <b>LPB</b> LEDs Bread - 3000°K - CRI>90	27,00
Ref. <b>LCM</b> LEDs Meat - 2700°K - CRI>90	27,00
Ref. <b>LVV</b> LEDs Veg. and fruit - 4000°K - CRI>90	27,00
Ref. <b>817</b> LEDs Wineries - 1700°K	27,00

# AIRCUM MEDIUM CIRCULAR

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Modules composed of LEDs Duris E5 with a total power of 20w.
- Estimated life:** Estimated life spam 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, chrome, chrome matt, nickel matt and titanium.



## Aircum medium 20w



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4226 01 84	White	2677	20w	75,00
4226 02 84	Black	2677	20w	79,60
4226 03 84	Gold	2677	20w	106,20
4226 05 84	Chrome	2677	20w	106,20
4226 52 84	Matt Chrome	2677	20w	79,60
4226 57 84	Nickel matt	2677	20w	106,20
4226 90 84	Titanium	2677	20w	79,60

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	2600	2677	2677

Rough price increase of driver		TP €
Ref. DRF	Dimmable driver edge phase	22,22
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DRP	Dimmable driver with push button	62,50
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. PCFT	Lighting control system for DR surface	54,90
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR	9,60
Ref. 3416	Emergency kit (recessed only)	105,90
Ref. 4160	Driver to power 12 Vdc.	41,90
Ref. 416024	Driver to power 24 Vdc.	41,90
Ref. AM	Special marine environment paint	23,00



# MINI AIRCOM CIRCULAR

Protection degree IP44



- Material:** Bodies made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E5 with a total power of 9w
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster or surface, directly screw on ceiling by screws (not included).
- Colours:** White, black, gold, chrome, chrome matt, nickel matt and titanium.



## Mini Aircom circular recessed 9w

Includes driver and LED lamp

Ref.	Colour	Lúmenes	W	TP £
4206 01 84	White	1044	9w	56,70
4206 02 84	Black	1044	9w	59,90
4206 03 84	Gold	1044	9w	69,90
4206 05 84	Chrome	1044	9w	69,90
4206 52 84	Matt Chrome	1044	9w	62,90
4206 57 84	Nickel matt	1044	9w	69,90
4206 90 84	Titanium	1044	9w	62,90

\* Standardly supplied with 4000° K LED lamp.

## Mini Aircom circ. superficie 9w

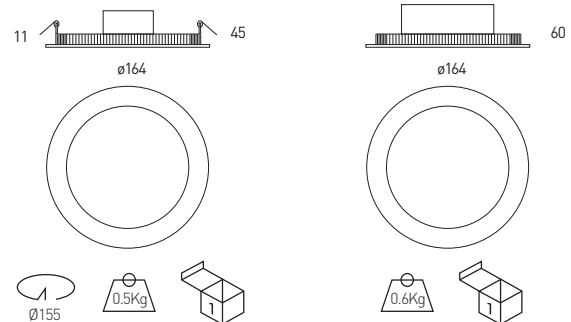
Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4207 01 84	White	1044	9w	128,70
4207 02 84	Black	1044	9w	132,60
4207 52 84	Matt Chrome	1044	9w	132,60
4207 90 84	Titanium	1044	9w	132,60

\* Standardly supplied with 4000° K LED lamp.

### Rough price increase of driver

Ref.	Description	TP £
DRF	Dimmable driver edge phase	13,90
DR	Driver dimmable 1-10V	47,40
DRD	Driver dimmable Dali	52,90
DRP	Dimmable driver with push button	62,50
DM8	Motion detector Integrated in the luminaire	30,00
PCFT	Lighting control system for DR surface	54,90
CF23	Mini flux control Integrated in the luminaire	44,00
3420	Wire connector for DR	9,60
3416	Emergency kit (recessed only)	105,90
4160	Driver to power 12 Vdc.	41,90
4160 24	Driver to power 24 Vdc.	41,90
AM	Special marine environment paint	15,00



OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 9w	960	1044	1200

# AIRCUM MICRO CIRCULAR

Grado de protección IP44 / Protection degree IP44



- Material:** Bodies made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E3 with a total power of 5w and 8w.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin.



## Aircum Micro 5w

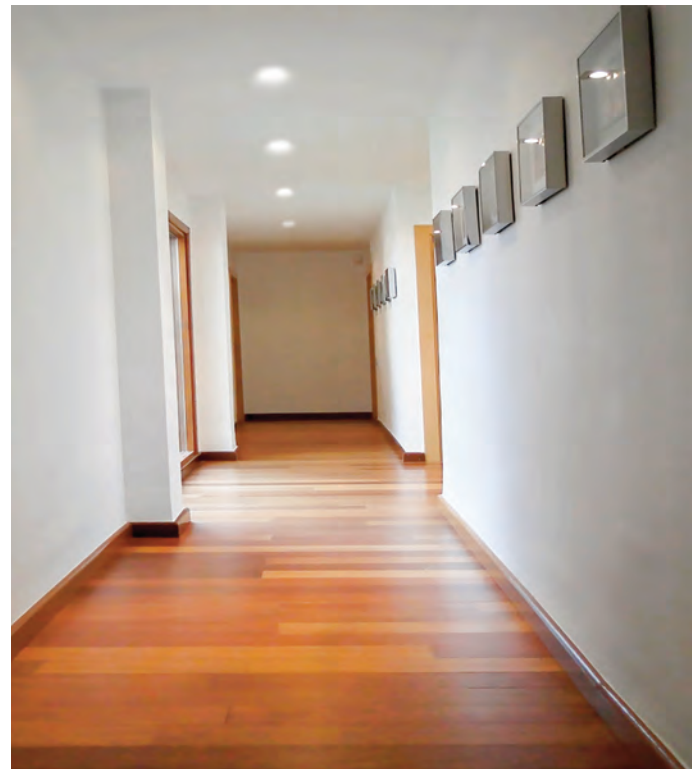
Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4296 05 01 84	White	525	5w	23,80
4296 05 02 84	Black	525	5w	26,80
4296 05 03 84	Gold	525	5w	29,80
4296 05 05 84	Chrome	525	5w	29,80
4296 05 33 84	Matt Gold	525	5w	29,80
4296 05 52 84	Matt Chrome	525	5w	26,80
4296 05 55 84	Nickel	525	5w	29,80
4296 05 57 84	Nickel matt	525	5w	29,80
4296 05 80 84	Leather	525	5w	29,80
4296 05 90 84	Titanium	525	5w	26,80

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 5w	525	525	525

Rough price increase of driver		TP £
Ref. DRF	Dimmable driver edge phase	13,90
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. 3416	Emergency kit	105,90
Ref. 4160	Driver to power 12 Vdc.	41,90
Ref. 416024	Driver to power 24 Vdc.	41,90
Ref. AM	Special marine environment paint	15,00



## Aircum Micro 8w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4296 08 01 84	White	920	8w	26,80
4296 08 02 84	Black	920	8w	28,00
4296 08 03 84	Gold	920	8w	32,50
4296 08 05 84	Chrome	920	8w	32,50
4296 08 33 84	Matt Gold	920	8w	32,50
4296 08 52 84	Matt Chrome	920	8w	28,00
4296 08 55 84	Nickel	920	8w	32,50
4296 08 57 84	Nickel matt	920	8w	32,50
4296 08 80 84	Satin	920	8w	32,50
4296 08 90 84	Titanium	920	8w	28,00

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 8w	920	920	920

# AIRCOM MICRO CIRCULAR ADJUSTABLE

Protection degree IP44



- Material:** Bodies made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E3 with a total power of 8w .
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin.



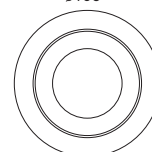
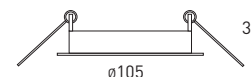
## Aircom Micro adjustable 8w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
4297 08 01 84	White	920	8w	43,30
4297 08 02 84	Black	920	8w	46,30
4297 08 03 84	Gold	920	8w	51,40
4297 08 05 84	Chrome	920	8w	51,40
4297 08 33 84	Matt Gold	920	8w	51,40
4297 08 52 84	Matt Chrome	920	8w	46,30
4297 08 55 84	Nickel	920	8w	51,40
4297 08 57 84	Nickel matt	920	8w	51,40
4297 08 80 84	Leather	920	8w	51,40
4297 08 90 84	Titanium	920	8w	46,30

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum8w	920	920	920



Rough price increase of driver		TP €
Ref. DRF	Dimmable driver edge phase	13,90
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. 3416	Emergency kit	105,90
Ref. 4160	Driver to power 12 Vdc.	41,90
Ref. 4160 24	Driver to power 24 Vdc.	41,90
Ref. AM	Special marine environment paint	15,00

# AIRCOM MICRO SQUARE

Protection degree IP44



- Material:** Bodies made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E3 with a total power of 8w.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** Circular ceiling cut . For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin.



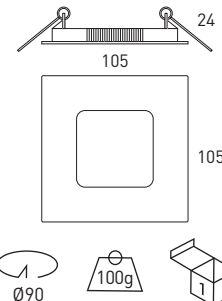
## Aircom square 8w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4251 08 01 84	White	920	8w	42,20
4251 08 02 84	Black	920	8w	45,30
4251 08 03 84	Gold	920	8w	50,40
4251 08 05 84	Chrome	920	8w	50,40
4251 08 33 84	Matt Gold	920	8w	50,40
4251 08 52 84	Matt Chrome	920	8w	45,30
4251 08 55 84	Nickel	920	8w	45,30
4251 08 57 84	Nickel matt	920	8w	45,30
4251 08 80 84	Leather	920	8w	45,30
4251 08 90 84	Titanium	920	8w	45,30

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 8w	920	920	920



	TP £
iRough price increase of driver	
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. 3416 Emergency kit	105,90
Ref. 4160 Driver to power 12 Vdc.	41,90
Ref. 4160 24 Driver to power 24 Vdc.	41,90
Ref. AM Special marine environment paint	23,00

# MINI AIRCOM SQUARE

Protection degree IP44



- Material:** Bodies made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E3 with a total power of 13w.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster or surface, directly screw on ceiling by screws (not included).
- Colours:** White, black, gold, chrome, chrome matt, nickel matt and titanium."



## Mini Aircom squ. rec. 13w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4250 01 84	White	1281	13w	87,20
4250 02 84	Black	1281	13w	98,90
4250 03 84	Gold	1281	13w	119,90
4250 05 84	Chrome	1281	13w	118,60
4250 52 84	Matt Chrome	1281	13w	98,90
4250 57 84	Nickel matt	1281	13w	119,80
4250 90 84	Titanium	1281	13w	98,90

\* Standardly supplied with 4000° K LED lamp.



## Mini Aircom squ. surf. 13w

Includes driver and LED lamp

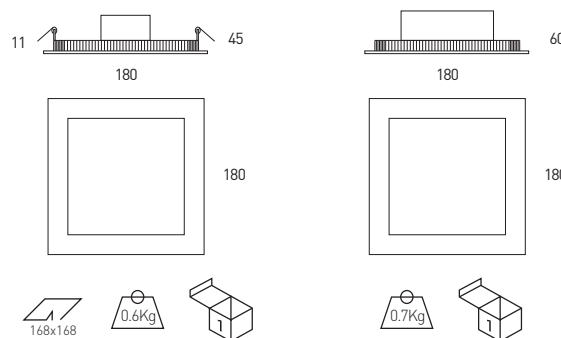
Ref.	Colour	Lumens	W	TP £
4253 01 84	White	1281	13w	159,90
4253 02 84	Black	1281	13w	161,40
4253 52 84	Matt Chrome	1281	13w	161,40
4253 90 84	Titanium	1281	13w	161,40

\* Standardly supplied with 4000° K LED lamp.

### Rough price increase of driver

TP £Ref. DRF

Dimmable driver edge phase	14,82
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DRP Dimmable driver with push button	62,50
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. PCFT Lighting control system for DR surface	54,90
Ref. CF23 Mini flux control Integrated in the luminaire	44,00
Ref. 3420 Wire connector for DR	9,60
Ref. 3416 Emergency kit (recessed only)	105,90
Ref. 4160 Driver to power 12 Vdc.	41,90
Ref. 4160 24 Driver to power 24 Vdc.	41,90
Ref. AM Special marine environment paint	25,00



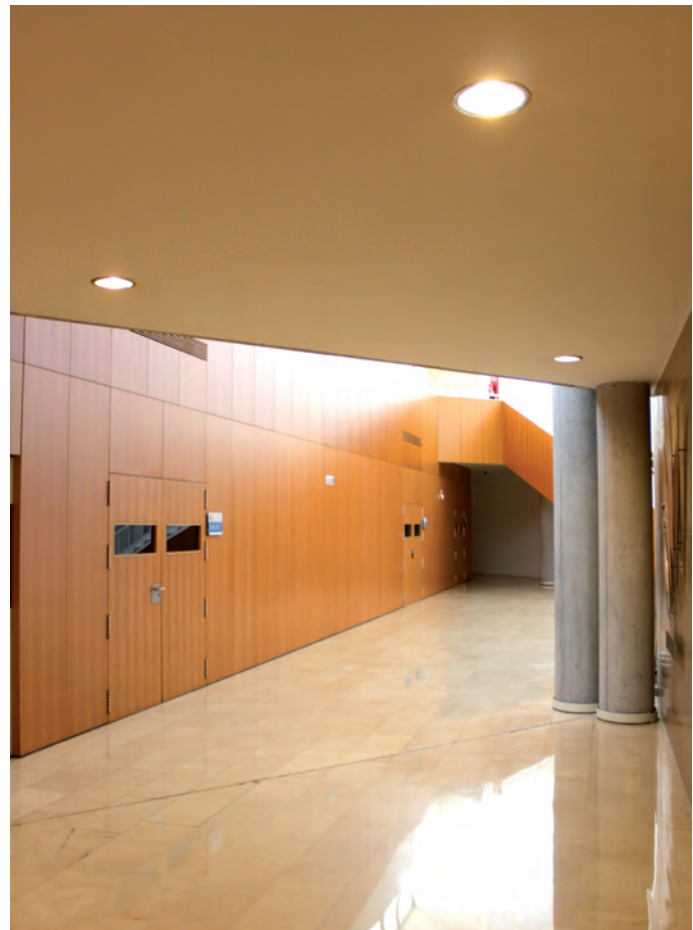
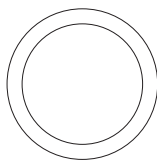
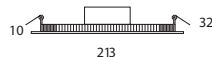
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 13w	1189	1281	1485

# ECODUCTO

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Duris E5 with a total power of 20w.
- Estimated life:** Estimated life spam 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, chrome matt and titanium."



## Ecoducto 20w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
495 01 20 84	White	1866	20w	66,75
495 02 20 84	Black	1866	20w	71,75
495 52 20 84	Matt Chrome	1866	20w	71,75
495 90 20 84	Titanium	1866	20w	71,75

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1687	1866	1866



Ref.	Description	TP £
Ref. DRF	Dimmable driver edge phase	22,22
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DRP	Dimmable driver with push button	62,50
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. PCFT	Lighting control system for DR surface	54,90
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR	9,60
Ref. 3416	Emergency kit (recessed only)	105,90
Ref. 4160	Driver to power 12 Vdc.	41,90
Ref. 416024	Driver to power 24 Vdc.	41,90
Ref. AM	Special marine environment paint	25,00

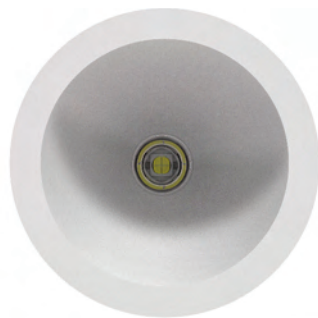


# LOOP

Protection degree IP20



- Material:** Optical group in injected aluminum with baked paint coating and polycarbonate injection diffuser.
- Optics:** Optics incorporated with open angles 43°.
- Supply:** All models include equipment with high power factor.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled for 9w and Samsung for 14w. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White and black.



Loop micro

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP€
3700 01 09 84	White	905	9w	45,73
3700 02 09 84	Black	905	9w	51,34

\* Standardly supplied with 4000° K lamp.



Loop micro

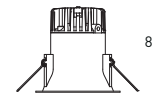
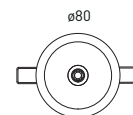
Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
3700 01 14 84	White	1750	14w	59,87
3700 02 14 84	Black	1750	14w	64,48

\* Standardly supplied with 4000° K lamp.

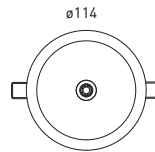
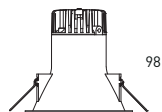
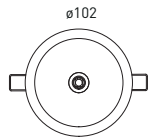
### OPTIONS LED

CRI>80 / Colour temperature	W	Ref. 83 3000°K	Ref. 84 4000°K	Ref. 85 5000°K
Lumens	9	800	905	905
	14	1700	1750	1805



Rough price increase of accessories	TP €
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K / 4000°K)	7,00
Ref. E5 High power factor Driver. 5 year warranty	15,00





Loop mini

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
3701 01 09 84	White	905	9w	47,20
3701 02 09 84	Black	905	9w	52,81

\* Standardly supplied with 4000° K lamp.



Loop medium

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
3702 01 09 84	White	905	9w	48,90
3702 02 09 84	Black	905	9w	54,52

\* Standardly supplied with 4000° K lamp.



Loop mini

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
3701 01 14 84	White	1750	14w	60,34
3701 02 14 84	Black	1750	14w	65,95

\* Standardly supplied with 4000° K lamp.



Loop medium

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
3702 01 14 84	White	1750	14w	62,04
3702 02 14 84	Black	1750	14w	67,66

\* Standardly supplied with 4000° K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
Colour temperature	3000°K	4000°K	5000°K
Lumens	9	800	905
	14	1700	1750
		1750	1805

Rough price increase of accessories	TP €
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K / 4000°K)	7,00
Ref. E5 High power factor Driver. 5 year warranty	15,00

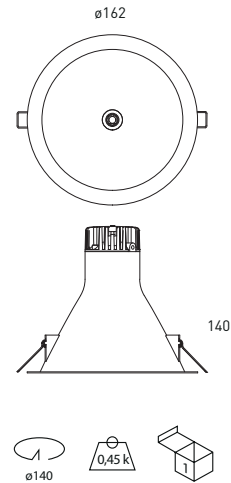


Loop

Includes driver and LED lamp

Ref.	Colour	Lúmenes	W	TP €
3703 01 09 84	White	905	9w	59,90
3703 02 09 84	Black	905	9w	65,51

\* Standardly supplied with 4000° K lamp.



Loop

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
3703 01 14 84	White	1750	14w	73,04
3703 02 14 84	Black	1750	14w	78,65

\* Standardly supplied with 4000° K lamp.

OPTIONS LED	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5000°K
Lumens	9	800	905	905
	14	1700	1750	1805

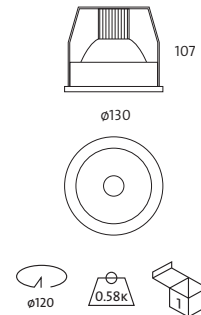
Rough price increase of accessories	TP €
Ref. DRF Dimmable driver edge phase	13,90
Ref. DR Dimmable driver 1-10V.	47,40
Ref. DRD Dimmable driver Dali	52,90
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60
Ref. CRI90 CRI>90 (3000°K / 4000°K)	7,00
Ref. E5 High power factor Driver. 5 year warranty	15,00

# LEDIÓN MICRO DOWNLIGHT

Protection degree IP44 - IP54



- Material:** Die casting aluminium.
- Optics:** Aluminium reflector. Supplied with protector glass which bring it an IP44 protection. Optionally, it can be supplied with joint, which bring it an IP54 protection.
- Supply:** All models include high power factor drivers.
- Lamps:** Module Osram LED, suitable for domestic, commercial and industrial areas.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** Recessed for false ceilings, adaptable to all kind of modular and plaster ceilings.
- Colours:** White, black matt chrome and titanium.



Downlight Ledion Micro 7,2w

Includes protection glass, driver and LED lamp 7,2w

Ref.	Colour	Lumens	W	TP £
3000 01 09 84	Blanco / White	450	7,2w	78,90
3000 02 09 84	Negro / Black	450	7,2w	82,20
3000 52 09 84	Matt Chrome	450	7,2w	82,20
3000 90 09 84	Titanium	450	7,2w	82,20

\* Standardly supplied with 4000° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum. Osram Golden Dragon Plus	450	450	510

Rough price increase of driver	TP £
Ref. DR Dimmable driver 1-10V	39,80
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60

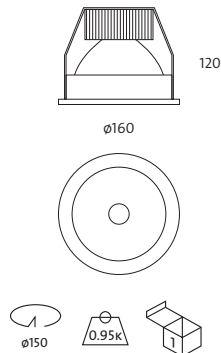
Rough price increase of accessories	TP £
Ref. 3004 Matt glass	3,92
Ref. 3094 Transparent glass	3,60
Ref. IP54 Join IP54	19,00
Ref. AM Special marine environment paint	15,00

# LEDIÓN MINI DOWNLIGHT

Grado de protección IP44 - IP54 / Protection degree IP44 - IP54



**Material:** Die casting aluminium.  
**Optics:** Aluminium reflector. Supplied with protector glass which bring it an IP44 protection. Optionally, it can be supplied with joint, which bring it an IP54 protection.  
**Supply:** All models include high power factor drivers.  
**Lamps:** Module Osram with a total power of 8w, module LED Osram with a total power of 25w, suitable for domestic, commercial and industrial areas. Estimated life span 50.000 hours.  
**Estimated life:** Recessed for false ceilings, adaptable to all kind of modular and plaster ceilings.  
**Installation:** White, black matt chrome and titanium.  
**Colours:**



Downlight Ledion Mini 8w



Includes protection glass, driver and LED 8W

Ref.	Colour	Lumens	W	TP £
3001 01 17 84	White	800	8w	58,60
3001 02 17 84	Black	800	8w	65,90
3001 52 17 84	Matt Chrome	800	8w	65,90
3001 90 17 84	Titanium	800	8w	65,90

\* Standardly supplied with lamp 4000° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum. LED 8w	800	800	800

Downlight Ledion Mini 13w



Includes protection glass, driver and LED 13W

Ref.	Colour	Lumens	W	TP £
3001 01 13 84	White	1522	13w	59,90
3001 02 13 84	Black	1522	13w	66,80
3001 52 13 84	Matt Chrome	1522	13w	66,80
3001 90 13 84	Titanium	1522	13w	66,80

\* Standardly supplied with lamp 4000° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum. LED 13w	1470	1522	1575

Downlight Ledion Mini 25w



Includes protection glass, driver and LED 25W

Ref.	Colour	Lumens	W	TP £
3001 01 29 84	White	3045	25w	88,60
3001 02 29 84	Black	3045	25w	92,60
3001 52 29 84	Matt Chrome	3045	25w	92,60
3001 90 29 84	Titanium	3045	25w	92,60

\* Standardly supplied with lamp 4000° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum. LED 25w	2940	3045	3150

Rough price increase of driver	TP £
Ref. DR Dimmable driver 1 - 10v	48,60
Ref. DRD Dimmable driver Dali	56,10
Ref. DRP Dimmable driver with push button	65,70
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60

Rough price increase of accesories	TP £
Ref. 3005 Matt glass	4,10
Ref. 3075 Transparent glass	3,90
Ref. IP54 Joint IP54	19,00
Ref. AM Special marine environment paint	25,00

Rough price increase of lamp	8w	25W
Ref. LPF LEDs Fish - 4000K - CRI>90	11,00	18,00
Ref. LPB LEDs Bread - 3000K - CRI>90	11,00	18,00
Ref. LCM LEDs Meat - 2700K - CRI>90	11,00	18,00
Ref. LVV LEDs Veg. and fruit - 4000K - CRI>90	11,00	18,00
Ref. LVV LEDs Veg. and fruit - 4000K - CRI>90	11,00	18,00

# LEDIÓN DOWNLIGHT

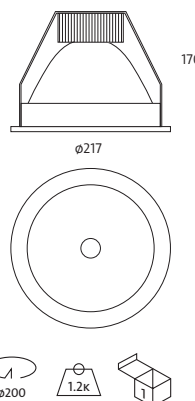
Grado de protección IP44 - IP54 / Protection degree IP44 - IP54



- Material:** Entirely made in die-cast aluminium.
- Optics:** Aluminium reflector. Supplied with protector PMMA which bring it an IP44 protection. Optionally, it can be supplied with joint, which bring it an IP54 protection.
- Supply:** All models include high power factor drivers.
- Lamps:** Module LED Osram with a total power of 13w, 25w and 31w, suitable for domestic, commercial and industrial areas.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** Recessed for false ceilings, adaptable to all kind of modular and plaster ceilings.
- Colours:** White, black matt chrome and titanio.



Downlight Ledion 13w



Downlight Ledion 31w

Includes protection PMMA, driver and LED 13W

Ref.	Colour	Lumens	W	TP £
3003 01 13 84 M	White	1522	13w	76,80
3003 02 13 84 M	Black	1522	13w	84,20
3003 52 13 84 M	Matt Chrome	1522	13w	84,20
3003 90 13 84 M	Titanium	1522	13w	84,20

\* Standardly supplied with lamp 4000° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum. LED 13w	1470	1522	1575



Downlight Ledion 25w

Includes protection PMMA, driver and LED 25W

Ref.	Colour	Lumens	W	TP £
3003 01 29 84 M	White	3045	25w	94,60
3003 02 29 84 M	Black	3045	25w	102,90
3003 52 29 84 M	Matt Chrome	3045	25w	102,90
3003 90 29 84 M	Titanium	3045	25w	102,90

\* Standardly supplied with lamp 4000° K lamp.

OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Lum. LED 25w	2940	3045	3150

Includes protection PMMA, driver and LED 31W

Ref.	Colour	Lumens	W	TP £
3003 01 31 84 M	White	4060	31w	105,60
3003 02 31 84 M	Black	4060	31w	115,40
3003 52 31 84 M	Matt Chrome	4060	31w	115,40
3003 90 31 84 M	Titanium	4060	31w	115,40

\* Standardly supplied with lamp 4000° K lamp.

OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Lum. LED 31w	3920	4060	4200

Rough price increase of driver	TP £
Ref. DR Dimmable driver 1 - 10v	49,90
Ref. DRD Dimmable driver Dali	57,40
Ref. DRP Dimmable driver with push button	67,00
Ref. 3416 Emergency Kit for LEDs higher than 6w	105,60

Rough price increase of accessories	TP £
Ref. 3093 Matt glass	4,50
Ref. 3092 Transparent glass	4,40
Ref. IP54 Joint IP54	19,00
Ref. AM Special marine environment paint	25,00

Rough price increase of lamp	25W
Ref. LPF LEDs Fish - 4000°K - CRI>90	18,00
Ref. LPB LEDs Bread - 3000°K - CRI>90	18,00
Ref. LCM LEDs Meat - 2700°K - CRI>90	18,00
Ref. LVV LEDs Veg. and fruit - 4000°K - CRI>90	18,00
Ref. 817 LEDs Wineries - 1700°K	18,00

# SUPRALEDIÓN

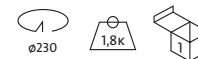
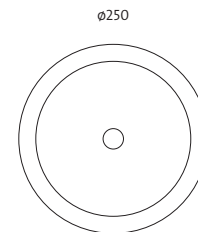
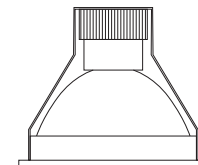
Protection degree IP44 - IP54



- Material:** Entirely made in die-cast aluminium.
- Optics:** Aluminium reflector. Supplied with protector glass which bring it an IP44 protection. Optionally, it can be supplied with joint, which bring it an IP54 protection.
- Supply:** All models include high power factor drivers.
- Lamps:** Module LED Osram with a total power of 25w and 31w, suitable for domestic, commercial and industrial areas.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** Recessed for false ceilings, adaptable to all kind of modular and plaster ceilings.
- Colours:** White, black matt chrome and titanio.



Supraledión 25w



Supraledión 31w

Includes protection glass, driver and LED 25w

Ref.	Colour	Lumens	W	TP €
3172 01 29 84	White	3045	25w	110,60
3172 02 29 84	Black	3045	25w	120,60
3172 52 29 84	Matt Chrome	3045	25w	120,60
3172 90 29 84	Titanium	3045	25w	120,60

\* Standardly supplied with lamp 4000° K lamp.

OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Lum. LED Osram	2940	3045	3150

Rough price increase of accesories		TP €
Ref. DR	Dimmable driver 1-10V	49,90
Ref. DRD	Dimmable driver Dali	57,40
Ref. DRP	Dimmable driver with push button	67,00
Ref. 3007	Matt glass	4,50
Ref. 3095	Transparent glass	4,40
Ref. IP54	Joint IP54	19,00
Ref. 3416	Emergency Kit for LEDs higher than 6w	105,60
Ref. AM	Pintura especial ambiente marino / Special marine environment paint	25,00

Includes protection glass, driver and LED 31w

Ref.	Colour	Lumens	W	TP €
3172 01 50 84	White	4060	31w	199,90
3172 02 50 84	Black	4060	31w	209,80
3172 52 50 84	Matt Chrome	4060	31w	209,80
3172 90 50 84	Titanium	4060	31w	209,80

\* Standardly supplied with lamp 4000° K lamp.

OPTIONS	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5000°K
Lum. LED Osram	3920	4060	4200

Rough price increase of accesories		TP €
Ref. DR	Dimmable driver 1-10V	52,10
Ref. DRD	Dimmable driver Dali	59,20
Ref. DRP	Dimmable driver with push button	68,80
Ref. 3007	Matt glass	4,50
Ref. 3095	Transparent glass	4,40
Ref. IP54	Joint IP54	19,00
Ref. 3416	Emergency Kit for LEDs higher than 6w	105,60
Ref. AM	Special marine environment paint	25,00

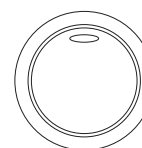
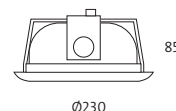
Rough price increase of lamp		25w	31W
Ref. LPF	LEDs Fish - 4000K - CRI>90	11,00	19,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	11,00	19,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	11,00	19,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	11,00	19,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	11,00	19,00

# DUCTO PL

Protection degree IP20 - IP43



- Material:** Thermo injected aluminium.
- Optics:** High brightness aluminium reflector. It can be supplied with entirely transparent protector glass, transparent serigraphed glass, matt glass or polycarbonate glass, which bring it an IP43 protection. Optionally it can be supplied with a gasket for IP54.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with domotic system.
- Lamps:** It admits energy saving PL 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, chrome, matt chrome and titanium. By request: Graphite, matt nickel, and satin nickel.



## Ducto - 1 lamp



Includes electronic ballast and PL/E lamp

Ref.	Colour	Lamp	Port./ L/H	W	TP £
494 01 18 84 BE	White	PL/E	G24q-2	1x18w	30,90
494 02 18 84 BE	Black	PL/E	G24q-2	1x18w	36,85
494 03 18 84 BE	Gold	PL/E	G24q-2	1x18w	36,85
494 05 18 84 BE	Chrome	PL/E	G24q-2	1x18w	36,85
494 52 18 84 BE	Matt Chrome	PL/E	G24q-2	1x18w	36,85
494 90 18 84 BE	Titanium	PL/E	G24q-2	1x18w	36,85
494 01 26 84 BE	White	PL/E	G24q-3	1x26w	30,92
494 02 26 84 BE	Black	PL/E	G24q-3	1x26w	36,87
494 03 26 84 BE	Gold	PL/E	G24q-3	1x26w	36,87
494 05 26 84 BE	Chrome	PL/E	G24q-3	1x26w	36,87
494 52 26 84 BE	Matt Chrome	PL/E	G24q-3	1x26w	36,87
494 90 26 84 BE	Titanium	PL/E	G24q-3	1x26w	36,87

\* Standardly supplied with 4200° K lamp.

## Ducto - 2 lamps



Includes electronic ballast and PL/E lamps

Ref.	Colour	Lamp	Port./ L/H	W	TP £
495 01 18 84 BE	White	PL/E	G24q-2	2x18w	37,07
495 02 18 84 BE	Black	PL/E	G24q-2	2x18w	42,29
495 03 18 84 BE	Gold	PL/E	G24q-2	2x18w	42,29
495 05 18 84 BE	Chrome	PL/E	G24q-2	2x18w	42,29
495 52 18 84 BE	Matt Chrome	PL/E	G24q-2	2x18w	42,29
495 90 18 84 BE	Titanium	PL/E	G24q-2	2x18w	42,29
495 01 26 84 BE	White	PL/E	G24q-3	2x26w	37,09
495 02 26 84 BE	Black	PL/E	G24q-3	2x26w	42,32
495 03 26 84 BE	Gold	PL/E	G24q-3	2x26w	42,32
495 05 26 84 BE	Chrome	PL/E	G24q-3	2x26w	42,32
495 52 26 84 BE	Matt Chrome	PL/E	G24q-3	2x26w	42,32
495 90 26 84 BE	Titanium	PL/E	G24q-3	2x26w	42,32

\* Standardly supplied with 4200° K lamp.



PL 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 electronic ballast		1x18/26w 2x18/26w	
Ref. BR	Dimmable electronic ballast 1-10v	85,00	87,00
Ref. TD	Dimmable ballast Touch and Dim	85,00	87,00
Ref. PCFT	Lighting control system type 1-10V, surface for ceiling	54,90	54,90
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

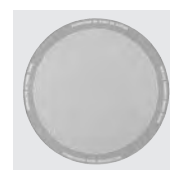
Rough price increase of accessories		TP €
Ref. CT 494	Transparent glass with serigraphy	4,36
Ref. CM 494	Matt glass	4,57
Ref. CTT	Transparent glass	4,36
Ref. CTP	Polycarbonate protection	11,90
Ref. 54	Glass and joint IP54	11,00
Ref. WL	Wieland connector	16,30
Ref. AM	Special marine environment paint	25,00



Ref. CTT  
Transparent glass.



Ref. CM 494  
Matt glass.



Ref. CT 494  
Transp. glass serigraphied.



Ref. CTP  
Polycarbonate protection.

Ref. 495 01 18 84 CF CTP



# SUPRA RECTANGULAR ADJUSTABLE

Protection degree IP44



- Material:** Luminaire made of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs Osram Oslon SSL with a total power of 40w and 60w.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, matt chrome and titanium.



## Supra Rectangular adjustable 40w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
701 01 40 84	White	4680	40w	195,40
701 02 40 84	Black	4680	40w	197,60
701 52 40 84	Matt chrome	4680	40w	198,60
701 90 40 84	Titanium	4680	40w	198,60

\* Standardly supplied with lamp 4000° K lamp.

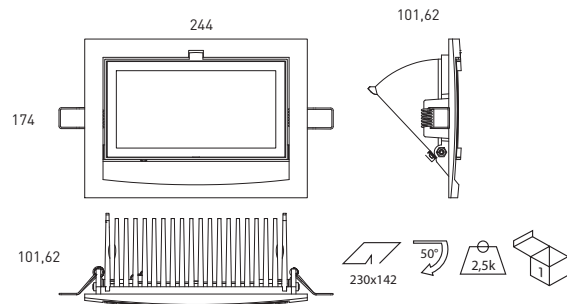


## Supra Rectangular adjustable 60w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP €
701 01 60 84	White	6760	60w	209,90
701 02 60 84	Black	6760	60w	211,40
701 52 60 84	Matt chrome	6760	60w	212,60
701 90 60 84	Titanium	6760	60w	212,60

\* Standardly supplied with lamp 4000° K lamp.



Ref.	Description	TP €
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. 3416	Emergency kit	105,90
Ref. CRI90	Only for transparent closing]	20,60
Ref. AM	Special marine environment paint	25,00
Ref. CM	Matt closing	0,60

Ref.	Description	40W	60W
Ref. LPF	LEDs Fish - 4000°K - CRI>90	26,00	27,00
Ref. LPB	LEDs Bread - 3000°K - CRI>90	26,00	27,00
Ref. LCM	LEDs Meat - 2700°K - CRI>90	26,00	27,00
Ref. LVV	LEDs Veg. and fruit - 4000°K - CRI>90	26,00	27,00
Ref. 817	LEDs Wineries - 1700°K	26,00	26,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 40w	4520	4680	4680
Lum 60w	6530	6760	6760



# TURE CIRCULAR

Protection degree IP44



**Material:** Injection of plastic with metallic finish.  
**Optics:** Optics of 120° included in luminaire. Matte diffuser closure.  
**Supply:** All models include the driver, which is integrated in the luminaire. Direct to 220-240v.  
**Lamps:** LEDs 4w with ceramic heatsink.  
**Estimated life:** Directly on surface by screws (not supplied) or recessed in wood or drywall, with a minimum thickness of 3mm.  
**Installation:** Directly on surface by screws (not supplied) or recessed in wood or drywall, with a minimum thickness of 3mm.  
**Colours:** White and Chrome Matt.



## Ture surface 4w

Includes LED lamp

Ref.	Colour	Lumens	W	TP £	lum.
150 01 4 83	White	230	4w	13,90	0,10
150 52 4 83	Matt chrome	230	4w	16,52	0,10

\* Standardly supplied with 3000° K LED lamp.  
 \* Integrated driver: With 15 cm 2\*0.5mm2 VDE WIRE.

## Ture recessed 4w

Includes LED lamp

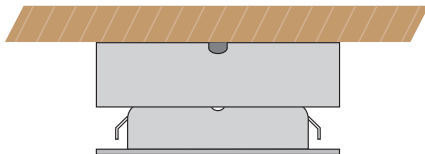
Ref.	Colour	Lumens	W	TP £	lum.
152 01 4 83	White	230	4w	11,42	0,10
152 52 4 83	Matt chrome	230	4w	11,74	0,10

\* Standardly supplied with 3000° K LED lamp.  
 \* Integrated driver: With 15 cm 2\*0.5mm2 VDE WIRE.

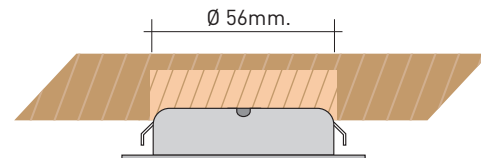
## OPTIONS LED

	Ref. 83	Ref. 86
CRI>80 / Colour temperature	3000°K	6000°K
Lum 4w	230	230

## Ture LED surface



## Ture LED recessed





# ERGO EMERGENCY

Protection degree IP44



- Material:** Support made in thermo painted steel sheet. Body made in injected plastic and polycarbonate diffuser.
- Óptica:** It can be chosen between transparent diffuser or matt diffuser. In addition there is the possibility of including translucent signaling diffusers by print.
- Supply:** By rechargeable batteries with an hour autonomy. It can be supplied with rechargeable batteries with an autonomy up to three hours. The battery remains off and recharging until a power cut, when it starts work. All models include control gear and LEDs.
- Lamps:** It uses LEDs Osram.
- Installation:** Recessed: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.  
Surface: Directly screw on ceiling by screws (not included).
- Colours:** White, black, chrome, matt chrome and titanium.



## Emergency Ergo surface

### Emergency Ergo surface / transparent diffuser / 100 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 10	White	LED	1,25w	100	65,90
4145 52 10	Matt Chrome	LED	1,25w	100	71,82
4145 90 10	Titanium	LED	1,25w	100	71,82

### Emergency Ergo surface / matt diffuser / 100 lumens



Includes driver, LED lamp and matt diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 10M	White	LED	2,5w	100	65,34
4145 52 10M	Matt Chrome	LED	2,5w	100	71,64
4145 90 10M	Titanium	LED	2,5w	100	71,64

### Emergency Ergo surface / transparent diffuser / 200 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 20	White	LED	2,50w	200	71,82
4145 52 20	Matt Chrome	LED	2,50w	200	77,58
4145 90 20	Titanium	LED	2,50w	200	77,58

### Emergency Ergo surface / matt diffuser / 200 lumens



Includes driver, LED lamp and matt diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 20M	White	LED	3,75w	200	71,64
4145 52 20M	Matt Chrome	LED	3,75w	200	77,49
4145 90 20M	itanium	LED	3,75w	200	77,49

### Emergency Ergo surface / transparent diffuser / 300 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 31	White	LED	3,75w	300	74,88
4145 52 31	Matt Chrome	LED	3,75w	300	80,82
4145 90 31	Titanium	LED	3,75w	300	80,82

### Emergency Ergo surface / matt diffuser / 300 lumens



Includes driver, LED lamp and matt diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 31M	White	LED	5w	300	74,79
4145 52 31M	Matt Chrome	LED	5w	300	80,73
4145 90 31M	itanium	LED	5w	300	80,73

### Emergency Ergo surface / transparent diffuser / 400 lumens



Includes driver, LED lamp and transparent diffuser

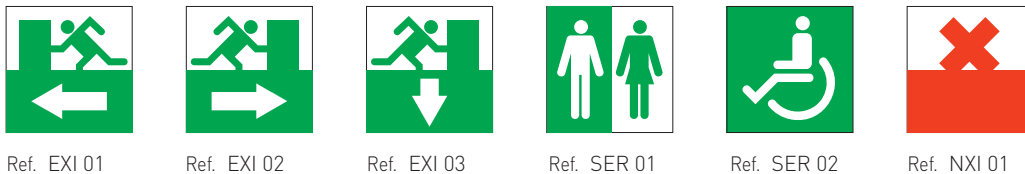
Ref.	Colour	Lamp	W	Lum.	TP £
4145 01 41	White	LED	5w	400	83,97
4145 52 41	Matt Chrome	LED	5w	400	89,82
4145 90 41	Titanium	LED	5w	400	89,82



LANGUAGE



MODEL

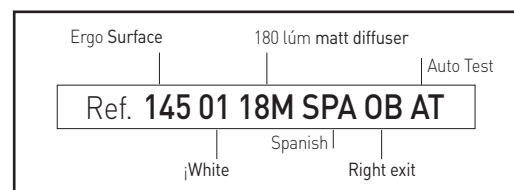


Ref. XXX XX		
SPA	ENG	0A 0B 0C
FRA	DEU	0D 0E 0F
POR	ITA	0G
ARA		

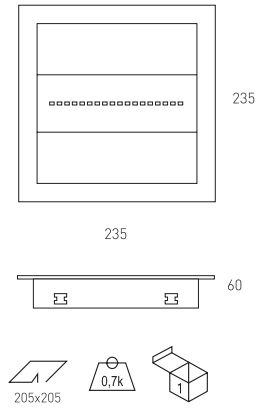
OPTIONS

Rough price increase of accessories		TP €
Ref. xxx xx	Signage to print	9,54
Ref. AT	Auto Test	44,01

Example to compose a reference with options







Emergency Ergo recessed extraflat

Emergency Ergo recessed extraflat / transparent diffuser / 100 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4147 01 10	White	LED	1,25w	100	81,81
4147 52 10	Matt Chrome	LED	1,25w	100	87,84
4147 90 10	Titanium	LED	1,25w	100	87,84

Emergency Ergo recessed extraflat / matt diffuser / 100 lumens



Includes driver, LED lamp and matt diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4147 01 10M	White	LED	2,5w	100	81,63
4147 52 10M	Matt Chrome	LED	2,5w	100	87,75
4147 90 10M	Titanium	LED	2,5w	100	87,75

Emergency Ergo recessed extraflat / transparent diffuser / 200 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4147 01 20	White	LED	2,50w	200	86,76
4147 52 20	Matt Chrome	LED	2,50w	200	92,34
4147 90 20	Titanium	LED	2,50w	200	92,34

Emergency Ergo recessed extraflat / matt diffuser / 200 lumens



Includes driver, LED lamp and matt diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4147 01 20M	White	LED	3,75w	200	86,67
4147 52 20M	Matt Chrome	LED	3,75w	200	92,25
4147 90 20M	Titanium	LED	3,75w	200	92,25

Emergency Ergo recessed extraflat / transparent diffuser / 300 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Color / Colour	Lamp	W	Lum.	TP £
4147 01 31	Blanco / White	LED	3,75w	300	90,36
4147 52 31	Cromo mate / Matt Chrome	LED	3,75w	300	96,66
4147 90 31	Titanio / Titanium	LED	3,75w	300	96,66

Emergency Ergo recessed extraflat / matt diffuser / 300 lumens



Includes driver, LED lamp and matt diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4147 01 31M	White	LED	5w	300	90,18
4147 52 31M	Matt Chrome	LED	5w	300	96,57
4147 90 31M	Titanium	LED	5w	300	96,57

Emergency Ergo recessed extraflat / transparent diffuser / 400 lumens



Includes driver, LED lamp and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4147 01 41	White	LED	5w	400	99,36
4147 52 41	Matt Chrome	LED	5w	400	105,39
4147 90 41	Titanium	LED	5w	400	105,39



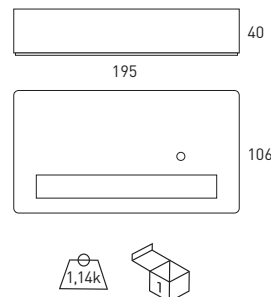


# ERGEN EMERGENCY

Protection degree IP44 - IP65. Impact protection IK08



- Material:** Body made of injected aluminum, thermo painted. Diffuser PMMA (polymer).
- Óptica:** It can be chosen between transparent diffuser or matt diffuser.
- Supply:** By rechargeable batteries with an hour autonomy. It can be supplied with rechargeable batteries with an autonomy up to three hours. The battery remains off and recharging until a power cut, when it starts work. All models include control gear and lamps.
- Lamps:** It uses LEDs Osram.
- Installation:** Surface: Directly screw on ceiling by screws (not included). Recessed: Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.
- Colours:** White, black, chrome, matt chrome and titanium.



## Emergency surface / transparent diffuser / 100 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 10 85	White	LED	1,25w	100	56,88
4600 02 10 85	Black	LED	1,25w	100	59,31
4600 52 10 85	Matt Chrome	LED	1,25w	100	59,31
4600 90 10 85	Titanium	LED	1,25w	100	59,31

## Emergency surface / matt diffuser / 100 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 10 85 M	White	LED	1,25w	100	56,92
4600 02 10 85 M	Black	LED	1,25w	100	59,35
4600 52 10 85 M	Matt Chrome	LED	1,25w	100	59,35
4600 90 10 85 M	Titanium	LED	1,25w	100	59,35

## Emergency surface / transparent diffuser / 200 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 20 85	White	LED	2,5w	200	60,21
4600 02 20 85	Black	LED	2,5w	200	62,64
4600 52 20 85	Matt Chrome	LED	2,5w	200	62,64
4600 90 20 85	Titanium	LED	2,5w	200	62,64

## Emergency surface / matt diffuser / 200 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 20 85 M	White	LED	2,5w	200	60,25
4600 02 20 85 M	Black	LED	2,5w	200	62,68
4600 52 20 85 M	Matt Chrome	LED	2,5w	200	62,68
4600 90 20 85 M	Titanium	LED	2,5w	200	62,68

## Emergency surface / transparent diffuser / 300 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 30 85	White	LED	3,75w	300	62,91
4600 02 30 85	Black	LED	3,75w	300	65,34
4600 52 30 85	Matt Chrome	LED	3,75w	300	65,34
4600 90 30 85	Titanium	LED	3,75w	300	65,34

## Emergency surface / matt diffuser / 300 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 30 85 M	White	LED	3,75w	300	62,95
4600 02 30 85 M	Black	LED	3,75w	300	65,38
4600 52 30 85 M	Matt Chrome	LED	3,75w	300	65,38
4600 90 30 85 M	Titanium	LED	3,75w	300	65,38

## Emergency surface / transparent diffuser / 400 lumens



Includes driver, LED lamp, battery and transparent diffuser

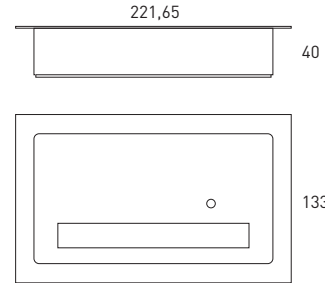
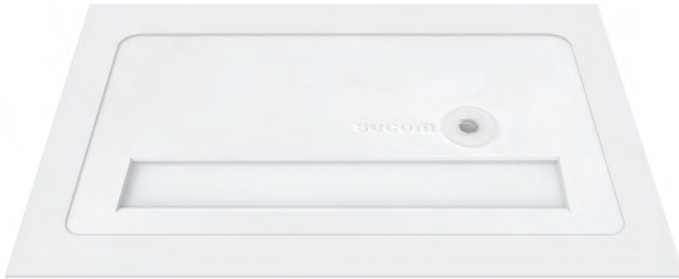
Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 40 85	White	LED	5w	400	70,74
4600 02 40 85	Black	LED	5w	400	72,81
4600 52 40 85	Matt Chrome	LED	5w	400	72,81
4600 90 40 85	Titanium	LED	5w	400	72,81

## Emergency surface / matt diffuser / 400 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP £
4600 01 40 85 M	White	LED	5w	400	66,28
4600 52 40 85 M	Black	LED	5w	400	72,85
4600 52 40 85 M	Matt Chrome	LED	5w	400	72,85
4600 90 40 85 M	Titanium	LED	5w	400	72,81



Emergency recessed / transparent diffuser / 100 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 10 85	White	LED	1,25w	100	62,28
4601 02 10 85	Black	LED	1,25w	100	64,71
4601 52 10 85	Matt Chrome	LED	1,25w	100	64,71
4601 90 10 85	Titanium	LED	1,25w	100	64,71

Emergency recessed / matt diffuser / 100 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 10 85 M	White	LED	1,25w	100	62,32
4601 02 10 85 M	Black	LED	1,25w	100	64,75
4601 52 10 85 M	Matt Chrome	LED	1,25w	100	64,75
4601 90 10 85 M	Titanium	LED	1,25w	100	64,75

Emergency recessed / transparent diffuser / 200 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 20 85	White	LED	2,5w	200	65,61
4601 02 20 85	Black	LED	2,5w	200	68,04
4601 52 20 85	Matt Chrome	LED	2,5w	200	68,04
4601 90 20 85	Titanium	LED	2,5w	200	68,04

Emergency recessed / matt diffuser / 200 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 20 85 M	White	LED	2,5w	200	65,61
4601 02 20 85 M	Black	LED	2,5w	200	68,08
4601 52 20 85 M	Matt Chrome	LED	2,5w	200	68,08
4601 90 20 85 M	Titanium	LED	2,5w	200	68,08

Emergency recessed / transparent diffuser / 300 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 30 85	White	LED	3,75w	300	68,31
4601 02 30 85	Black	LED	3,75w	300	70,74
4601 52 30 85	Matt Chrome	LED	3,75w	300	70,74
4601 90 30 85	Titanium	LED	3,75w	300	70,74

Emergency recessed / matt diffuser / 300 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 30 85 M	White	LED	3,75w	300	68,35
4601 02 30 85 M	Black	LED	3,75w	300	70,78
4601 52 30 85 M	Matt Chrome	LED	3,75w	300	70,78
4601 90 30 85 M	Titanium	LED	3,75w	300	70,78

Emergency recessed / transparent diffuser / 400 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 40 85	White	LED	5w	400	76,14
4601 02 40 85	Black	LED	5w	400	79,11
4601 52 40 85	Matt Chrome	LED	5w	400	79,11
4601 90 40 85	Titanium	LED	5w	400	79,11

Emergency recessed / matt diffuser / 400 lumens



Includes driver, LED lamp, battery and transparent diffuser

Ref.	Colour	Lamp	W	Lum.	TP €
4601 01 40 85 M	White	LED	5w	400	76,18
4601 02 40 85 M	Black	LED	5w	400	79,15
4601 52 40 85 M	Matt Chrome	LED	5w	400	79,15
4601 90 40 85 M	Titanium	LED	5w	400	79,15

Rough price increase of driver	TP €
Ref. IP65 Protection degree IP65	15,20

OPCIONES / OPTIONS LED

Ref. AT	100 Lum.	200 Lum.	300 Lum.	400 Lum.
Auto Test increase	46,40	48,96	48,99	48,99

Boxter track

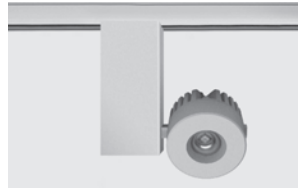


Boxter Mini track 158



Boxter track 160

Diri track



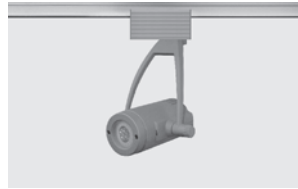
Diri track 162

Arquik track

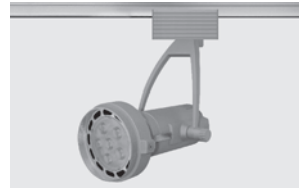


Arquik track 163

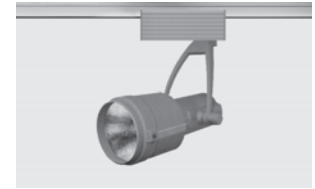
Proctom track



Proctom track 164



Proctom track 165



Proctom track 165

Protek LED track



Protek  
Protek 166

Combox DC track



Combox DC track 1 lamp 169



Combox DC track 2 lamps 170



Combox DC track 3 lamps 170

Combox QR track



Combox track 1 lamp

171



Combox track 2 lamps

171



Combox track 3 lamps

172





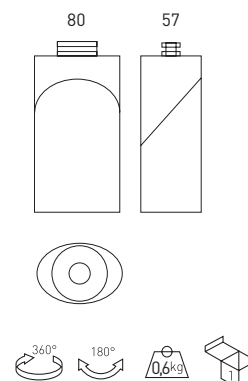


# BOXTER MINI TRACK

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps with different open angles 12°/ 38°/ 54°.
- Supply:** All models include high power factor drivers.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled with 9w power. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** Directly on electrified track 220v.
- Colours:** White, black, matt chrome and titanium.



## Boxter Mini track 5w

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	W	TP £
5007 01 5 84	White	455	5w	163,14
5007 02 5 84	Black	455	5w	167,58
5007 52 5 84	Matt Chrome	455	5w	167,58
5007 90 5 84	Titanium	455	5w	167,58

\* Standardly supplied with maximun lamp opening angle (38°)  
 \* Standardly supplied with 4000° K lamp.

## Boxter Mini track 9w

Includes driver and LED lamp 9w

Ref.	Colour	Lum.	W	TP £
5007 01 9 84	White	905	9w	174,32
5007 02 9 84	Black	905	9w	178,64
5007 52 9 84	Matt Chrome	905	9w	178,64
5007 90 9 84	Titanium	905	9w	178,64

\* Standardly supplied with maximun lamp opening angle (38°)  
 \* Standardly supplied with 4000° K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens Osram Oslon SSL	400	455	455
	800	905	905

Rough price increase of driver	TP £
Ref. C54 Matt lock diffuser 54° opening angle	3,00
Ref. 12 Opening angle 12°	5,60
Ref. CRI 90 CRI>90	20,60
Ref. DRF Dimmable driver edge phase	15,90



Estratografía de la cueva



Cueva Tucocá en forma por primera vez, según la Estratografía de San Carlos, el estudio por el Instituto de la Sierra Nevada, que actualizó la figura.

La cueva Tucocá, ubicada en el valle de San Carlos, en la zona de San Carlos, del departamento de Bolívar, es un sitio arqueológico de gran importancia por su riqueza en arte rupestre y su conexión con la cultura de los pueblos indígenas de la zona.

La cueva Tucocá, ubicada en el valle de San Carlos, en la zona de San Carlos, del departamento de Bolívar, es un sitio arqueológico de gran importancia por su riqueza en arte rupestre y su conexión con la cultura de los pueblos indígenas de la zona.





# BOXTER TRACK

Protection degree IP20



**Material:** Injected aluminium and thermo painted steel.  
**Optics:** Optics incorporated in the lamps LED with different open angles. 16°/28°/54°.  
**Supply:** All models include high power factor drivers.  
**Lamps:** Osram LED modules composed Osram Oslon SSL with 13/26/31w power. Ra(CRI)>80 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.  
**Life span:** Estimated average life span 50.000 hours.  
**Installation:** Directly on electrified track 220v  
**Colours:** White, black, matt chrome and titanium.



Boxter carril 13w / Boxter track 13w

Includes adapter, driver and LED lamp 13w

Ref.	Colour	Lum.	W	TP €
5000 01 13 84	White	1522	13w	194,70
5000 02 13 84	Black	1522	13w	199,00
5000 52 13 84	Matt Chrome	1522	13w	199,00
5000 90 13 84	Titanium	1522	13w	199,00

\* Standardly supplied with maximum lamp opening angle [54°]  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver	TP €
Ref. DRDA13 Dimmable driver Dali and track adapter	65,50



Boxter track 26w

Includes adapter, driver and LED lamp 26w

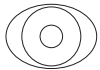
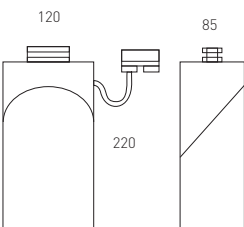
Ref.	Colour	Lum.	W	TP €
5000 01 26 84	White	3045	26w	204,80
5000 02 26 84	Black	3045	26w	209,50
5000 52 26 84	Matt Chrome	3045	26w	209,50
5000 90 26 84	Titanium	3045	26w	209,50

\* Standardly supplied with maximum lamp opening angle [54°]  
 \* Standardly supplied with 4000° K lamp.

Rough price increase of driver	TP €
Ref. DRDA26 Dimmable driver Dali and track adapter	105,40



Video Instalación  
Video Installation



**Boxtor track 31w**

Includes adapter, driver and LED lamp 31w

Ref.	Colour	Lum.	W	TP €
5000 01 31 84	White	4060	31w	223,40
5000 02 31 84	Black	4060	31w	228,10
5000 52 31 84	Matt Chrome	4060	31w	228,10
5000 90 31 84	Titanium	4060	31w	228,10

\* Standardly supplied with maximum lamp opening angle [54°]  
\* Standardly supplied with 4000° K lamp.

Rough price increase of driver	TP €
Ref. DRDA31 Dimmable driver Dali and track adapter	110,10

Rough price increase of lamp	TP €
Ref. CRI90 CRI > 90	20,60
Ref. 16 Opening angle 16°	5,60
Ref. 28 Opening angle 28°	5,80
Ref. 3410 Close reflector Boxtor	5,80

**Rough increase of LED monocolour**

Ref.	Lamp	Colour LED.	W	TP €
5001 01 13 R	LED	Red ●	13w	9,00
5001 01 26 R	LED	Red ●	26w	18,00
5001 01 31 R	LED	Red ●	31w	21,00
5001 01 13 G	LED	Green ●	13w	9,00
5001 01 26 G	LED	Green ●	26w	18,00
5001 01 31 G	LED	Green ●	31w	21,00
5001 01 13 B	LED	Blue ●	13w	9,00
5001 01 26 B	LED	Blue ●	26w	18,00
5001 01 31 B	LED	Blue ●	31w	21,00

Rough price increase of lamp	13w	26W	31W
Ref. LPF LEDs Fish - 4000K - CRI>90	12,00	18,00	19,00
Ref. LPB LEDs Bread - 3000K - CRI>90	12,00	18,00	19,00
Ref. LCM LEDs Meat - 2700K - CRI>90	12,00	18,00	19,00
Ref. LVV LEDs Veg. and fruit - 4000K - CRI>90	12,00	18,00	19,00
Ref. 817 LEDs Wineries - 1700°K	9,00	18,00	21,00

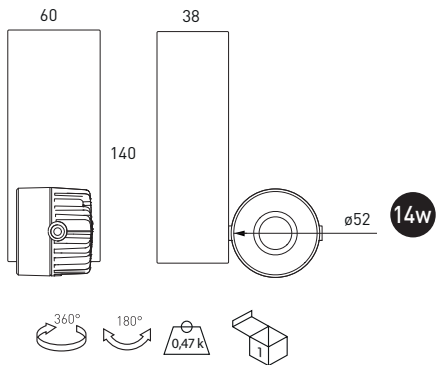
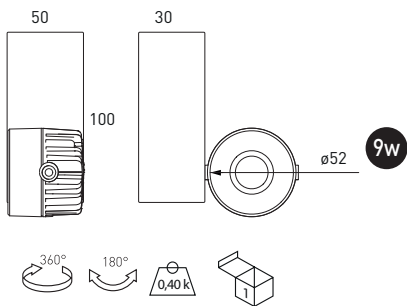
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	3000°K	4000°K	5000°K	
Lumens Osram Osolon SSL	13w	1470	1522	1575
	26w	2940	3045	3150
	31w	3920	4060	4200

# DIRI TRACK

Protection degree IP44



**Material:** Bodies mad of aluminium with thermo paint coating.  
**Optics:** Optics incorporated in the lamps with open angles 43°.  
**Supply:** All models include high power factor drivers.  
**Lamps:** Osram LED modules composed Luxeon M Philips Lumiled for 9w and Samsung for 14w. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.  
**Life span:** Estimated average life span 50.000 hours.  
**Installation:** Directly on electrified track 220. It allows 360° rotation and oscillating up to 180°.  
**Colours:** White, black, matt chrome and titanium.



## Diri track

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
190 01 09 84	White	905	9w	116,54
190 02 09 84	Black	905	9w	118,48
190 52 09 84	Matt chrome	905	9w	118,48
190 90 09 84	Titanium	905	9w	118,48

\* Standardly supplied with 4000° K lamp.

## Diri track

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
190 01 14 84	White	1750	14w	129,68
190 02 14 84	Black	1750	14w	131,28
190 52 14 84	Matt chrome	1750	14w	131,28
190 90 14 84	itanium	1750	14w	131,28

\* Standardly supplied with 4000° K lamp.

OPCIONES / OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
LUMENS	9	800	905	905
	14	1700	1750	1805

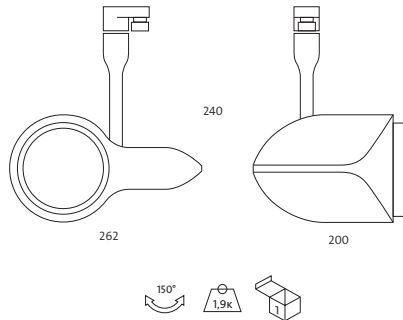
Rough price increase of accesories	TP £
Ref. DRF Dimmable driver edge phase	13,90
Ref. DRDA Dimmable driver Dali and track adapter	45,40
Ref. CRI90 CRI>90 (3000°K / 4000°K)	7,00
Ref. E5 High power factor Driver. 5 year warranty	15,00
Ref. CM Cierre mate / Matt closing	1,90

# ARQUIK TRACK

Protection degree IP20



**Material:** Injected aluminium and thermo painted steel.  
**Optics:** Optics incorporated in the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It admits, QR-111, CDM-R 111, LED-111 and Multi-chip LED lamps, suitable for domestic 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	Lum.	W	TP £
3069L 01 12 83	White	LED-111	630	1x11w	264,80
3069L 02 12 83	Black	LED-111	630	1x11w	276,50
3069L 52 12 83	Matt Chrome	LED-111	630	1x11w	276,50
3069L 90 12 83	Titanium	LED-111	630	1x11w	276,50

\* Standardly supplied with 3000° K lamp.

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens	630	650



## Arquik track LED 26w

Includes driver and LED 26w lamp

Ref.	Colour	Lamp.	Lumens	W	TP £
3069L 01 23 84	White	LED	3045	26w	284,10
3069L 02 23 84	Black	LED	3045	26w	288,50
3069L 52 23 84	Matt Chrome	LED	3045	26w	288,50
3069L 90 23 84	Titanium	LED	3045	26w	288,50

\* Standardly supplied with LED 4000° K lamp

Incremento respecto al driver / Rough price increase of driver	TP £
Ref. DRDA26 Dimmable driver Dali and track adapter	105,40

OPCIONES / OPTIONS LED 26w	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000K°	4000°K	5700°K
Lumens LED 26w	2940	3045	3150

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

## Arquik carril QR-111 / Arquik track QR-111



Includes adapter, electronic equipment and QR-111 lamp

Ref.	Colour	Lamp	Port./ L/H	W	TP £
3069 01 35 24	White	QR-111	G53	1x35w	180,41
3069 02 35 24	Black	QR-111	G53	1x35w	184,74
3069 52 35 24	Matt Chrome	QR-111	G53	1x35w	184,74
3069 90 35 24	Titanium	QR-111	G53	1x35w	184,74
3069 01 50 45	White	QR-111	G53	1x50w	180,43
3069 02 50 45	Black	QR-111	G53	1x50w	184,76
3069 52 50 45	Matt Chrome	QR-111	G53	1x50w	184,76
3069 90 50 45	Titanium	QR-111	G53	1x50w	184,76
3069 01 60 45	White	QR-111	G53	1x60w	190,03
3069 02 60 45	Black	QR-111	G53	1x60w	194,36
3069 52 60 45	Matt Chrome	QR-111	G53	1x60w	194,36
3069 90 60 45	Titanium	QR-111	G53	1x60w	194,36
3069 01 75 45	White	QR-111	G53	1x75w	187,00
3069 02 75 45	Black	QR-111	G53	1x75w	191,33
3069 52 75 45	Matt Chrome	QR-111	G53	1x75w	191,33
3069 90 75 45	Titanium	QR-111	G53	1x75w	191,33

\* Standardly supplied with de maximum lamp opening angle.

OPCIONES / OPTIONS	Ref. 04	Ref. 08	Ref. 24	Ref. 45
Ángulo apertura / Opening angle	4°	8°	24°	45°
QR-111 35w	•		•	
QR-111 50w	•	•	•	•
QR-111 60w		•	•	•
QR-111 75w		•	•	•

# PROCTOM TRACK

Protection degree IP20

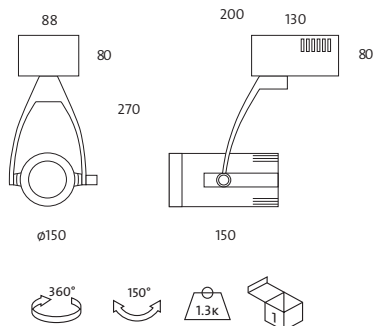


**Material:** Injected and extruded thermo painted aluminium.  
**Optics:** Optics incorporated in most of the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** Proctom's fixtures admit a wide range of lamps, with different power and consumption, suitable for any type of lighting application.

- DOMESTIC USE:**
- Dichroic halogen GU-10 LED.
  - LED lamps.
  - QR-111 lamps.

- OFFICES AND COMMERCIAL AREAS:**
- LED lamps.
  - QR-111 lamps.
  - CDM-R 111.

**Installation:** Directly on electrified track 220v.  
**Colours:** White, black, matt chrome and titanium.



## Proctom track LED 7w

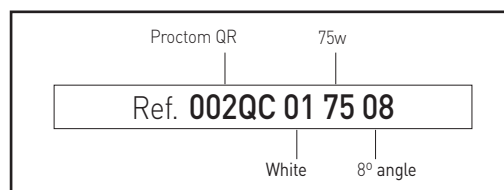


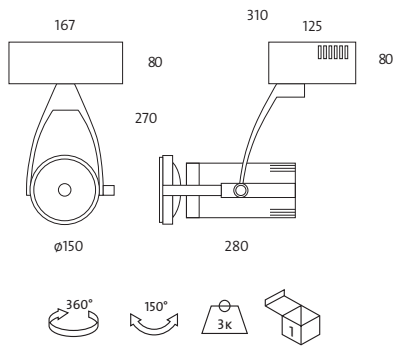
Includes adapter, driver and LED lamp 7w

Ref.	Colour	Lum.	Port.	W	TP €
002L 01 07 83	White	400	GU-10	7w	132,96
002L 02 07 83	Black	400	GU-10	7w	142,80
002L 52 07 83	Matt Chrome	400	GU-10	7w	142,80
002L 90 07 83	Titanium	400	GU-10	7w	142,80

\* Standardly supplied with 3000°K dimmable lamp.

Example to compose a reference with options





**Proctom track LED-111**



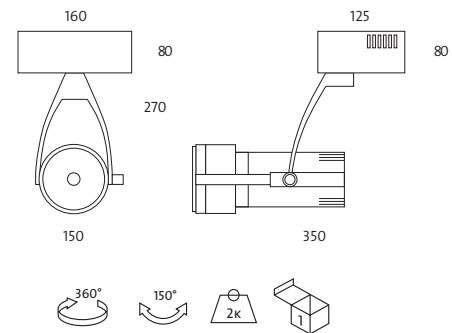
Includes adapter, driver and LED-111 lamp

Ref.	Colour	Lamp	Lum.	W	TP €
002B 01 83	White	LED-111	630	11w	176,80
002B 02 83	Black	LED-111	630	11w	179,90
002B 52 83	Matt Chrome	LED-111	630	11w	179,90
002B 90 83	Titanium	LED-111	630	11w	179,90

\* Standardly supplied with 3000°K lamp.

**OPTIONS LED-111**

CRI>80 / Colour temperature	Ref. 83	Ref. 84
Lúmenes / lumens LED-111 11w	630	650



**Proctom LED 26w**



Includes driver and LED 26w

Ref.	Colour	Lámp	Lumens	W	TP €
002B 01 25 83	White	LED	3045	26w	260,43
002B 02 25 83	Black	LED	3045	26w	271,13
002B 52 25 83	Matt Chrome	LED	3045	26w	271,13
002B 90 25 83	Titanium	LED	3045	26w	271,13

\* Standardly supplied with 3000°K lamp.

**OPTIONS**

CRI>80 / Colour temperature	Ref. 83	Ref. 84	Ref. 85
LED Oslon SSL	3000K°	4000°K	5000°K
	2940	3045	3150

**Rough price increase of lamp**

Ref.	Code	Description	25W
Ref. LPF		LEDs Fish - 4000K - CRI>90	18,00
Ref. LPB		LEDs Bread - 3000K - CRI>90	18,00
Ref. LCM		LEDs Meat - 2700K - CRI>90	18,00
Ref. LVV		LEDs Veg. and fruit - 4000K - CRI>90	18,00
Ref. 817		LEDs Wineries - 1700°K	18,00

**Rough price increase of driver**

Ref.	Description	TP €
Ref. DRDA26	Dimmable driver Dali and track adapter	105,40

# PROTEK TRACK

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminium, thermo painted.
- Optics:** Optic included in the LED lamps. Includes waterproof polycarbonate protection with UV protection.
- Supply:** Driver included for all models.
- Lamps:** Osram Leds Module composed Duris E5 with 8/16/25/50W power. Ra (CRI ) > 80 and available in three colour temperatures 3000°K, 4000°K and 5700°K .
- Life span:** Estimated Average Life span 50.000 hours.
- Installation:** Directly on electrified track 220v.
- Colours:** White, black and gray.



Protek LED

Includes protective polymer, driver, LED lamps and electrical and mechanical adapter.

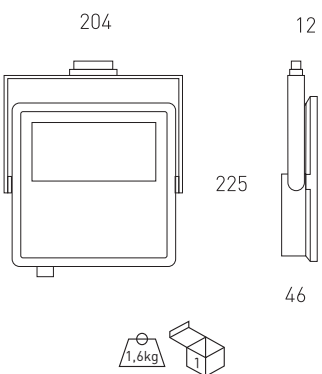
Ref.	Colour	Lamp.	Lumens	W	TP €
4128 01 08 85	White	LED	1055	8w	152,30
4128 02 08 85	Black	LED	1055	8w	153,90
4128 58 08 85	Gray	LED	1055	8w	153,90
4128 01 16 85	White	LED	2110	16w	172,90
4128 02 16 85	Black	LED	2110	16w	174,80
4128 58 16 85	Gray	LED	2110	16w	174,80
4128 01 25 85	White	LED	3162	25w	178,54
4128 02 25 85	Black	LED	3162	25w	179,90
4128 58 25 85	Gray	LED	3162	25w	179,90
4128 01 50 85	White	LED	6332	50w	218,90
4128 02 50 85	Black	LED	6332	50w	220,09
4128 58 50 85	Gray	LED	6332	50w	220,09

\* Standardly supplied with 5700° K lamp.

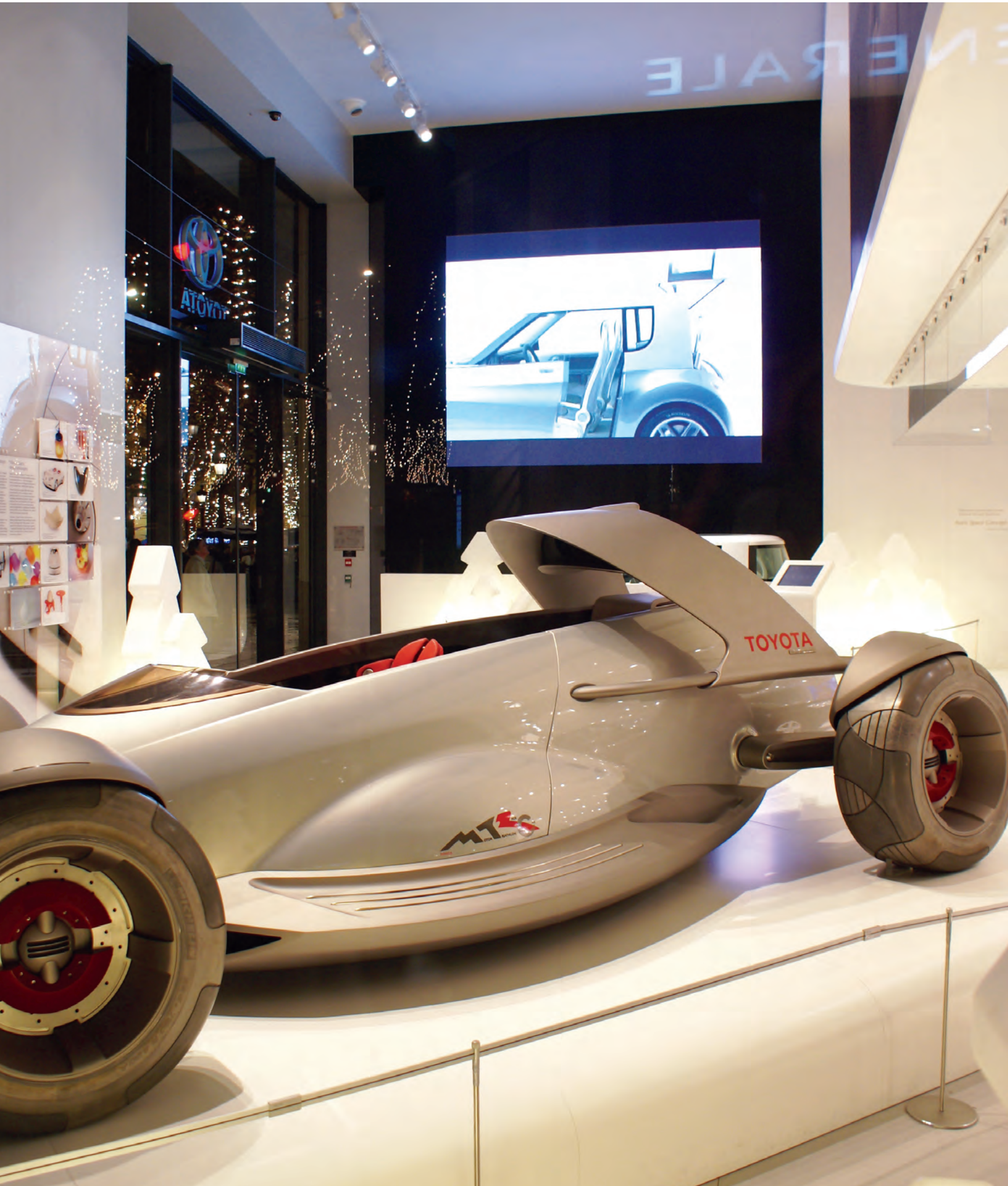
OPTIONS LED	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5700°K
Lumens Osram Duris E5	8w	969	1055	1055
	16w	1939	2110	2110
	25w	2909	3162	3162
	50w	5818	6332	6332

Rough price increase of driver	W	TP €
Ref. DRDA8 Dimmable driver Dali and track adapter	8	65,50
Ref. DRDA16 Dimmable driver Dali and track adapter	16	65,50
Ref. DRDA26 Dimmable driver Dali and track adapter	25	105,40
Ref. DRDA50 Dimmable driver Dali and track adapter	50	98,70

OPTIONS	TP €
Rough price increase of accessories	
Ref. 4131 Opal diffuser	9,90





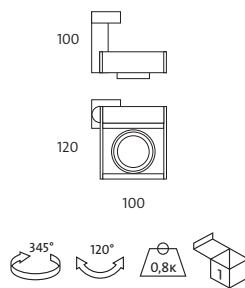


# COMBOX DC TRACK

Protection degree IP20



- Material:** Injected aluminium and thermo painted steel.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** Combox's fixtures admit LED lamps, suitable for domestic or commercial use.
- Installation:** Directly on electrified track 220v
- Colours:** Black, matt chrome and titanium.



Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
021L 02 01 05 83	Black	250	GU5.3	1x5w	174,80
021L 52 01 05 83	Matt Chrome	250	GU5.3	1x5w	174,80
021L 90 01 05 83	Titanium	250	GU5.3	1x5w	174,80

\* Standardly supplied with 3000°K lamp

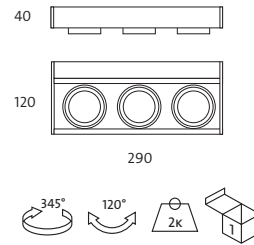
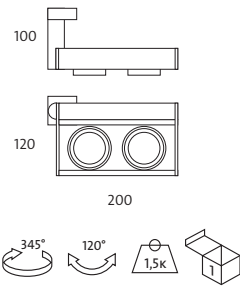
OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280



Incluye adaptador y lámpara LED 7W / Includes adapter and LED lamp 7W

Ref.	Colour	Lum.	Port.	W	TP £
021L 02 01 10 07 83	Black	400	GU-10	1x7W	176,90
021L 52 01 10 07 83	Matt Chrome	400	GU-10	1x7W	176,90
021L 90 01 10 07 83	Titanium	400	GU-10	1x7W	176,90

\* Standardly supplied with 3000°K dimmable lamp



Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
021L 02 02 05 83	Black	500	GU5.3	2x5w	256,40
021L 52 02 05 83	Matt Chrome	500	GU5.3	2x5w	256,40
021L 90 02 05 83	Titanium	500	GU5.3	2x5w	256,40

\* Standardly supplied with 3000°K lamp

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 2x5w	500	580



Includes adapter, driver and LED lamp 5W

Ref.	Colour	Lum.	Port.	W	TP £
021L 02 03 05 83	Black	750	GU5.3	3x5w	339,90
021L 52 03 05 83	Matt Chrome	750	GU5.3	3x5w	339,90
021L 90 03 05 83	Titanium	750	GU5.3	3x5w	339,90

\* Standardly supplied with 3000°K lamp

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 3x5w	750	840



Includes adapter and LED lamp 7W

Ref.	Colour	Lum.	Port.	W	TP £
021L 02 02 10 07 83	Black	800	GU-10	2x7w	264,80
021L 52 02 10 07 83	Matt Chrome	800	GU-10	2x7w	264,80
021L 90 02 10 07 83	Titanium	800	GU-10	2x7w	264,80

\* Standardly supplied with 3000° K dimmable lamp



Includes adapter and LED lamp 7W

Ref.	Colour	Lum.	Port.	W	TP £
021L 02 03 10 07 83	Black	1200	GU-10	3x7w	342,60
021L 52 03 10 07 83	Matt Chrome	1200	GU-10	3x7w	342,60
021L 90 03 10 07 83	Titanium	1200	GU-10	3x7w	342,60

\* Standardly supplied with 3000° K dimmable lamp

# COMBOX QR TRACK

Protection degree IP20



**Material:** Injected aluminium and thermo painted steel.  
**Optics:** Optics incorporated in the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** Combox's fixtures admit LED-111 and QR-111 halogen lamps, suitable for domestic or commercial use.  
**Installation:** Directly on electrified track 220v  
**Colours:** Black, matt chrome and titanium.



Combox QR Track 1 lamp



Includes adapter, equipment and QR-111 lamp

Ref.	Colour	Lamp	Port.	W	TP £
025 01 01 35	White	QR-111	G53	1x35w	174,52
025 01 02 35	Black	QR-111	G53	1x35w	179,75
025 01 52 35	Matt Chrome	QR-111	G53	1x35w	179,75
025 01 90 35	Titanium	QR-111	G53	1x35w	179,75
025 01 01 50	White	QR-111	G53	1x50w	174,52
025 01 02 50	Black	QR-111	G53	1x50w	179,75
025 01 52 50	Matt Chrome	QR-111	G53	1x50w	179,75
025 01 90 50	Titanium	QR-111	G53	1x50w	179,75
025 01 01 60	White	QR-111	G53	1x60w	186,33
025 01 02 60	Black	QR-111	G53	1x60w	188,43
025 01 52 60	Matt Chrome	QR-111	G53	1x60w	188,43
025 01 90 60	Titanium	QR-111	G53	1x60w	188,43

\* Standardly supplied with maximum lamp opening angle.

Combox QR Track 2 lamps



Includes adapter, equipment and QR-111 lamps

Ref.	Colour	Lamp	Port.	W	TP £
025 02 01 35	White	QR-111	G53	2x35w	241,50
025 02 02 35	Black	QR-111	G53	2x35w	243,60
025 02 52 35	Matt Chrome	QR-111	G53	2x35w	243,60
025 02 90 35	Titanium	QR-111	G53	2x35w	243,60
025 02 01 50	White	QR-111	G53	2x50w	241,50
025 02 02 50	Black	QR-111	G53	2x50w	243,60
025 02 52 50	Matt Chrome	QR-111	G53	2x50w	243,60
025 02 90 50	Titanium	QR-111	G53	2x50w	243,60
025 02 01 60	White	QR-111	G53	2x60w	265,66
025 02 02 60	Black	QR-111	G53	2x60w	267,77
025 02 52 60	Matt Chrome	QR-111	G53	2x60w	267,77
025 02 90 60	Titanium	QR-111	G53	2x60w	267,77

\* Standardly supplied with maximum lamp opening angle.

Combox LED111 Track 1 lamp



Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
025B 01 01 12 83	White	630	-	1x11w	249,50
025B 01 02 12 83	Black	630	-	1x11w	257,60
025B 01 52 12 83	Matt Chrome	630	-	1x11w	257,60
025B 01 90 12 83	Titanium	630	-	1x11w	257,60

\* Standardly supplied with 3000° K lamp.

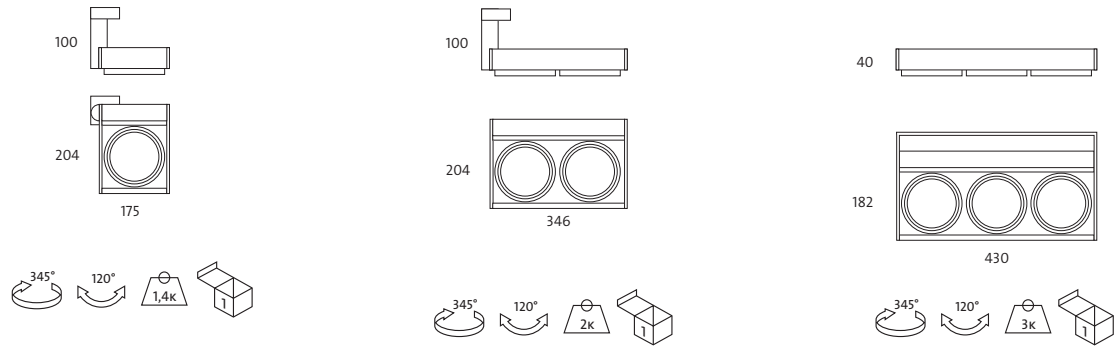
Combox LED111 Track 2 lamps



Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
025B 02 01 12 83	White	1260	-	2x11w	395,60
025B 02 02 12 83	Black	1260	-	2x11w	399,80
025B 02 52 12 83	Matt Chrome	1260	-	2x11w	399,80
025B 02 90 12 83	Titanium	1260	-	2x11w	399,80

\* Standardly supplied with 3000° K lamp.



**Combox QR Track 23lamps**



Includes adapter, equipment and QR-111 lamps

Ref.	Colour	Lamp	Port.	W	TP £
025 03 01 35	White	QR-111	G53	3x35w	302,92
025 03 02 35	Black	QR-111	G53	3x35w	305,03
025 03 52 35	Matt Chrome	QR-111	G53	3x35w	305,03
025 03 90 35	Titanium	QR-111	G53	3x35w	305,03
025 03 01 50	White	QR-111	G53	3x50w	302,92
025 03 02 50	Black	QR-111	G53	3x50w	305,03
025 03 52 50	Matt Chrome	QR-111	G53	3x50w	305,03
025 03 90 50	Titanium	QR-111	G53	3x50w	305,03
025 03 01 60	White	QR-111	G53	3x60w	338,37
025 03 02 60	Black	QR-111	G53	3x60w	340,47
025 03 52 60	Matt Chrome	QR-111	G53	3x60w	340,47
025 03 90 60	Titanium	QR-111	G53	3x60w	340,47

\* Standardly supplied with maximum lamp opening angle.

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

OPTIONS LED-111	Ref. 83	Ref. 84
CRI>80 / TColour temperature	3000K°	4000°K
Lumens / LED-111 11w	630	650

**Combox LED111 Track 3 lamps**

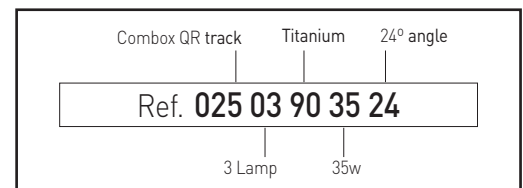


Includes adapter, driver and LED 111 lamp

Ref.	Colour	Lum.	Port.	W	TP £
025B 03 01 12 83	White	1890	-	3x11w	532,80
025B 03 02 12 83	Black	1890	-	3x11w	536,50
025B 03 52 12 83	Matt Chrome	1890	-	3x11w	536,50
025B 03 90 12 83	Titanium	1890	-	3x11w	536,50

\* Standardly supplied with 3000° K lamp.

Example to compose a reference with options



## Accessories for track



### Aluminium track

#### Aluminium 3-circuit track, nokia system

Ref.	Colour	Lenght	TP €
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



#### Intermediate joint

Ref.	Colour	TP €
116 01	White	12,71
116 02	Black	13,97
116 52	Matt Chrome	13,97

#### Final cover

Ref.	Colour	TP €
119 01	White	1,26
119 02	Black	1,39
119 52	Matt Chrome	1,39



#### Track adapter

Ref.	Colour	TP €
112 01	White	13,97
112 02	Black	15,36
112 52	Matt Chrome	15,36



#### Mechanical adapter

Ref.	Colour	TP €
115 01	White	7,82
115 02	Black	8,61
115 52	Matt Chrome	8,61



#### Right and left power supply

Ref.	Colour	End	TP €
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



#### Flexible elbow

Ref.	Colour	TP €
117 01	White	40,06
117 02	Black	40,06



#### Suspension 1200mm

Ref.	Colour	TP €
120 01	White	9,57
120 02	Black	9,57

## Accessories for dimmable track



### Dimmable aluminum track

#### Aluminum rail, single phase.

Ref.	Colour	Lenght	TP €
132 01	White	1 meter	71,28
132 02	Black	1 meter	72,70
132 52	Matt Chrome	1 meter	74,85
133 01	White	2 meter	136,50
133 02	Black	2 meter	139,30
133 52	Matt Chrome	2 meter	143,30



#### Mechanical adapter dimmable track

Ref.	Colour	TP €
138 01	White	12,12
138 02	Black	12,40
138 52	Matt Chrome	12,70

#### Dimmable track adapter

Ref.	Colour	TP €
134 01	White	32,90
134 02	Black	33,60
134 52	Matt Chrome	34,50



#### Flexible elbow dimmable track

Ref.	Colour	TP €
139 01	White	64,11
139 02	Black	65,40



#### Dimmable track power

Ref.	Colour	End	TP €
135 01	White	Right	25,90
135 02	Black	Right	26,40
135 52	Matt Chrome	Right	27,20
136 01	White	Left	25,90
136 02	Black	Left	26,40
136 52	Matt Chrome	Left	27,20
137 01	White	Central	51,20
137 02	Black	Central	52,20
137 52	Matt Chrome	entral	53,80

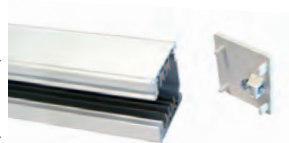


#### Suspension 1000mm dimmable track

Ref.	Colour	TP €
140 01	White	49,57
140 02	Black	50,60

#### Final cover dimmable track

Ref.	Colour	TP €
141 01	White	1,99
141 02	Black	2,03
141 52	Matt Chrome	2,10



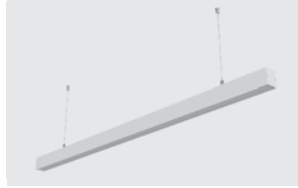
#### Intermediate joint dimmable track

Ref.	Colour	TP €
142 01	White	11,60
142 02	Black	11,60



Aliket Basic

Línea continua / Linear lighting



Aliket Basic 1437 mm. suspension **176**



Aliket Basic 1437 mm. surface **178**



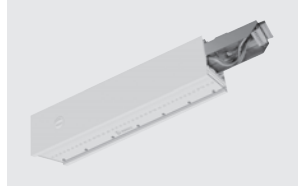
Aliket Basic 1437 mm. recessed **180**



Aliket Basic blind joint **182**

Aliket

Linear lighting



Aliket 600 mm. **184**



Aliket 1200 mm. **186**



Aliket 1500 mm. **188**



Aliket codo **190**

Polivan

Polivan basic estructura  
Polivan modules



**192**  
**194**





# ALIKET BASIC CONTINUOUS LINE

Protection degree IP44



**Material:** Body made of extruded aluminum with baked paint coating.  
**Optics:** Novel PMMA transparent or matte optics that provides uniform illumination over the whole surface.  
**Supply:** All models include high power factor drivers.  
**Lamps:** Modules by Osram LEDs with total power of 50w with Duris E5 and 75w with Oslon SSL.  
**Installation:** Suspension, surface y recessed.  
**Colours:** White, black, matt chrome and titanium.

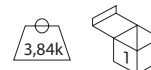
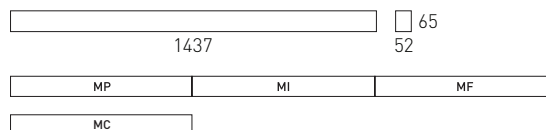


Aliket Basic LED - Suspension - 1437mm 50w matt optical continuous line

Includes driver, matt optical and LED Duris E5

Ref.	Colour	W	Lum.	Measu.	TP €
036 01 1 50 2 84	White	50W	5512	1437x65x52	334,95

\* Standardly supplied with 4000° K LED.



Initial module [MP], intermediate module [MI], final module [MF], closed module [MC]

## OPTIONS

Rough price increase of optics		50w
Ref. 1	Transparent	1,00
Ref. 3	Asymmetrical 2 sides	34,95
Ref. 3422	Asymmetrical 1 side	39,00
Ref. 3423	Intensive	39,00
Ref. CRI90	CRI>90	35,00

Rough price increase of driver		50w
Ref. DR	Dimmable driver 1-10v	63,50
Ref. DRD	Dimmable driver Dali	66,50
Ref. DM8	Motion detector integrated in the luminaire	30,00
Ref. CF23	Mini flux control integrated in the luminaire	44,00
Ref. KE1	Emergency kit 1 hour of autonomy	109,80
Ref. KE3	Emergency kit 3 hours of autonomy	118,60
Ref. LI20	Indirect light 20w	110,80

## OPTIONS LED

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 50w	5486	5512	5512
Lum 20w - Indirect light	2250	2275	2275

## Rough price increase of lamp

		50W
Ref. LPF	LEDs Fish - 4000K - CRI>90	25,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	25,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	25,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	25,00

\* Option to integrate 2 or 3 phases in the luminaire for different switching-on.  
 \* Choice of colors option, see page 469.  
 \* Option modules in other measures 479mm. and 958mm.  
 (For more information consult the technical department. Secom)



**Aliket Basic LED - Suspension - 1437mm 75w matt optical continuous line**



Includes driver, matt optical and LED Osram SSL

Ref.	Colour	W	Lum.	Measu.	TP €
036 01 1 75 2 84	White	75W	7386	1437x65x52	399,95

\* Standardly supplied with 4000° K LED.

**OPTIONS**

Rough price increase of optics		75w
Ref. 1	Transparent	1,00
Ref. 3	Asymmetrical 2 sides	35,95
Ref. 3421	Symmetric 150°	4,80
Ref. 3423	Intensive	39,00
Ref. CRI90	CRI>90	38,00

Rough price increase of driver		75w
Ref. DR	Dimmable driver 1-10v	69,0
Ref. DRD	Dimmable driver Dali	72,90
Ref. DM8	Motion detector integrated in the luminaire	30,00
Ref. CF23	Mini flux control integrated in the luminaire	44,00
Ref. KE1	Emergency kit 1 hour of autonomy	109,80
Ref. KE3	Emergency kit 3 hours of autonomy	118,60
Ref. LI20	Indirect light 20w	110,80

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 75w	7140	7386	7386
Lum 20w - Indirect light	2250	2275	2275

**Aliket Basic LED - suspension monocolour**



Includes driver and LEDs lamp

Ref.	Colour	Lum.	Colour LED	M.	W	TP €
036 01 1 50 2 R	White	3716	Red ●	1437x65x52	50w	106,24
036 01 1 80 2 G	White	6402	Green ●	1437x65x52	80w	106,24
036 01 1 75 2 B	White	2178	Blue ●	1437x65x52	75w	106,24

Standardly supplied with 120° optics.

Rough price increase of lamp		75W
Ref. LPF	LEDs Fish - 4000K - CRI>90	28,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	28,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	28,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	28,00

\* Option to integrate 2 or 3 phases in the luminaire for different switching-on.  
 \* Choice of colors option, see page 469.  
 \* Option modules in other measures 479mm. and 958mm.  
 (For more information consult the technical department. Secom)



**Aliket Basic LED - Surface - 1437mm 50w matt optical continuous line**



Includes driver, matt optical and LED Duris E5

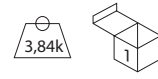
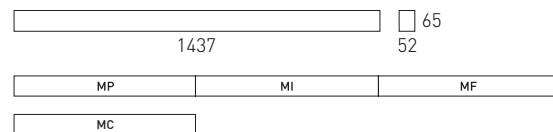
Ref.	Colour	W	Lum.	Measu.	TP €
034 01 1 50 2 84	White	50W	5512	1437x65x52	334,90

\* Standardly supplied with 4000° K LED.

**OPTIONS**

Rough price increase of optics		50w
Ref. 1	Transparent	1,00
Ref. 3	Asymmetrical 2 sides	34,95
Ref. 3422	Asymmetrical 1 side	39,00
Ref. 3423	Intensive	39,00
Ref. CRI90	CRI>90	35,00

Rough price increase of driver		50w
Ref. DR	Dimmable driver 1-10v	63,50
Ref. DRD	Dimmable driver Dali	66,50
Ref. DM8	Motion detector integrated in the luminaire	30,00
Ref. CF23	Mini flux control integrated in the luminaire	44,00
Ref. KE1	Emergency kit 1 hour of autonomy	109,80
Ref. KE3	Emergency kit 3 hours of autonomy	118,60

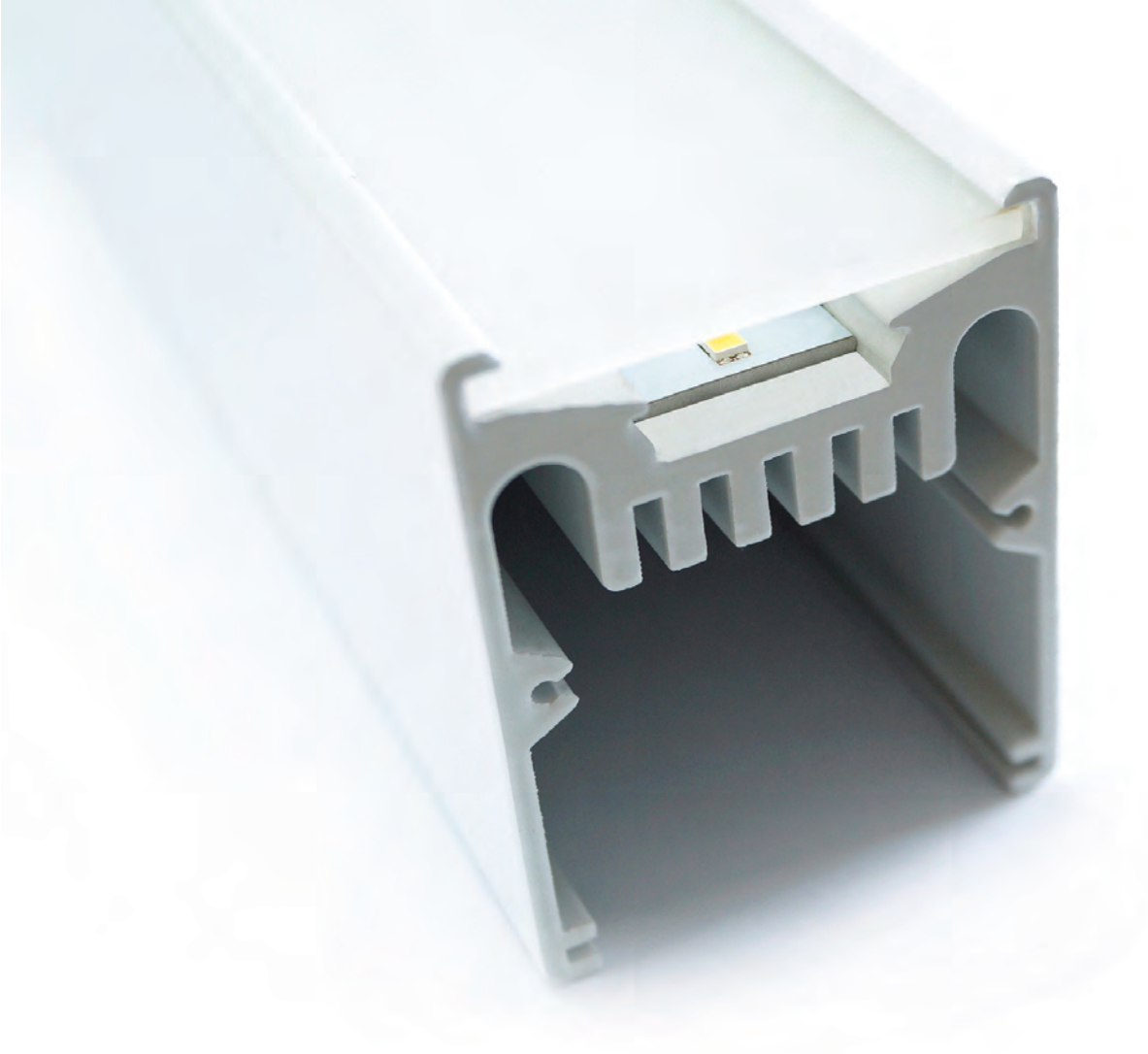


Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 50w	5486	5512	5512

Rough price increase of lamp		50W
Ref. LPF	LEDs Fish - 4000K - CRI>90	25,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	25,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	25,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	25,00

\* Option to integrate 2 or 3 phases in the luminaire for different switching-on.  
 \* Choice of colors option, see page 469.  
 \* Option modules in other measures 479mm. and 958mm.  
 (For more information consult the technical department. Secom)



### Aliket Basic LED - Surface - 1437mm 75w matt optical continuous line



Includes driver, matt optical and LED Osram SSL

Ref.	Colour	W	Lum.	Measu.	TP €.
034 01 1 75 2 84	White	75W	7386	1437x65x52	399,90

\* Standardly supplied with 4000° K LED.

#### OPTIONS

Rough price increase of optics		75w
Ref. 1	Transparent	1,00
Ref. 3	Asymmetrical 2 sides	34,95
Ref. 3421	Symmetric 150°	4,80
Ref. 3423	Intensive	39,00
Ref. CRI90	CRI>90	38,00

Rough price increase of driver		75w
Ref. DR	Dimmable driver 1-10v	69,90
Ref. DRD	Dimmable driver Dali	72,90
Ref. DM8	Motion detector integrated in the luminaire	30,00
Ref. CF23	Mini flux control integrated in the luminaire	44,00
Ref. KE1	Emergency kit 1 hour of autonomy	109,80
Ref. KE3	Emergency kit 3 hours of autonomy	118,60

#### OPTIONS LED

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 75w	7140	7386	7386

#### Aliket Basic LED - surface monocolour



Includes driver and LEDs lamp

Ref.	Colour	Lum.	Colour LED	M.	W	TP €
034 01 1 50 2 R	White	3716	Red ●	1437x65x52	50w	XXX
034 01 1 80 2 G	White	6402	Green ●	1437x65x52	80w	XXX
034 01 1 75 2 B	White	2178	Blue ●	1437x65x52	75w	XXX

Standardly supplied with 120° optics.

#### Rough price increase of lamp

Ref.	Icon	Description	75W
Ref. LPF		LEDs Fish - 4000K - CRI>90	28,00
Ref. LPB		LEDs Bread - 3000K - CRI>90	28,00
Ref. LCM		LEDs Meat - 2700K - CRI>90	28,00
Ref. LVV		LEDs Veg. and fruit - 4000K - CRI>90	28,00

\* Option to integrate 2 or 3 phases in the luminaire for different switching-on.

\* Choice of colors option, see page 469.

\* Option modules in other measures 479mm. and 958mm.

[For more information consult the technical department. Secom]



**Aliket Basic LED - Recessed - 1437mm 50w matt optical continuous line**



Includes driver, matt optical and LED Duris E5

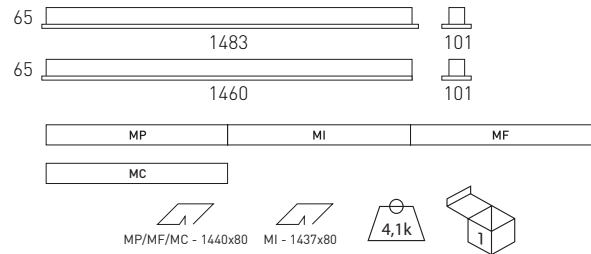
Ref.	Colour	W	Lum.	Measu.	TP €
035 01 1 50 2 84	White	50W	5512	1437x65x52	434,45

\* Standardly supplied with 4000° K LED.

**OPTIONS**

Rough price increase of optics		50w
Ref. 1	Transparent	1,00
Ref. 3	Asymmetrical 2 sides	34,95
Ref. 3422	Asymmetrical 1 side	39,00
Ref. 3423	Intensive	39,00
Ref. CRI90	CRI>90	35,00

Rough price increase of driver		50w
Ref. DR	Dimmable driver 1-10v	63,50
Ref. DRD	Dimmable driver Dali	66,50
Ref. DM8	Motion detector integrated in the luminaire	30,00
Ref. CF23	Mini flux control integrated in the luminaire	44,00
Ref. KE1	Emergency kit 1 hour of autonomy	109,80
Ref. KE3	Emergency kit 3 hours of autonomy	118,60



Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

**OPTIONS LED**

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 50w	5486	5512	5512

**Rough price increase of lamp**

		50W
Ref. LPF	LEDs Fish - 4000K - CRI>90	25,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	25,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	25,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	25,00

\* Option to integrate 2 or 3 phases in the luminaire for different switching-on.  
 \* Choice of colors option, see page 469.  
 \* Option modules in other measures 479mm. and 958mm.  
 (For more information consult the technical department. Secom)



**Aliket Basic LED - Recessed - 1437mm 75w matt optical continuous line**

Includes driver, matt optical and LED Oslon SSL

Ref.	Colour	W	Lum.	Measu.	TP £
035 01 1 75 2 84	White	75W	7386	1437x65x52	499,45

\* Standardly supplied with 4000° K LED.

**OPTIONS**

Rough price increase of optics		75w
Ref. 1	Transparent	1,00
Ref. 3	Asymmetrical 2 sides	34,95
Ref. 3421	Symmetric 150°	4,80
Ref. 3423	Intensive	39,00
Ref. CRI90	CRI>90	38,00

Rough price increase of driver		75w
Ref. DR	Dimmable driver 1-10v	69,90
Ref. DRD	Dimmable driver Dali	72,90
Ref. DM8	Motion detector integrated in the luminaire	30,00
Ref. CF23	Mini flux control integrated in the luminaire	44,00
Ref. KE1	Emergency kit 1 hour of autonomy	109,80
Ref. KE3	Emergency kit 3 hours of autonomy	118,60

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 75w	7140	7386	7386

**Aliket Basic LED - recessed monocolor**



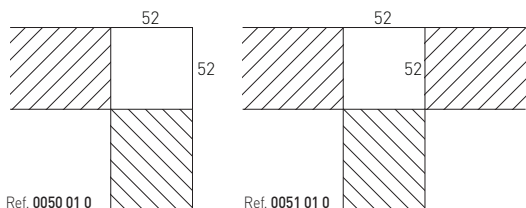
Includes driver and LEDs lamp

Ref.	Colour	Lum.	Color/Colour LED	M.	W	TP £
035 01 1 50 2 R	White	3716	Rojjo / Red	● 1437x65x101	50w	XXX
035 01 1 80 2 G	White	6402	Verde / Green	● 1437x65x101	80w	XXX
035 01 1 75 2 B	White	2178	Azul / Blue	● 1437x65x101	75w	XXX

Standardly supplied with 120° optics.

Rough price increase of lamp		75W
Ref. LPF	LEDs Fish - 4000K - CRI>90	28,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	28,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	28,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	28,00

\* Option to integrate 2 or 3 phases in the luminaire for different switching-on.  
\* Choice of colors option, see page 469.  
\* Option modules in other measures 479mm. and 958mm.  
(For more information consult the technical department. Secom)



**Aliket Basic Led blind joint continuous line**

Ref.	Colour	Measu.	TP €
0050 01 0	White	52x52	119,90
0051 01 0	White	52x52	119,90



**Aliket Basic LED stretch blind**

Ref.	Aliket	Stretch blind	TP €
0070	719mm	Initial module MP	78,90
0071	719mm	Intermediate module MI	78,90
0072	719mm	Final module MF	78,90
0140	1437mm	Initial module MP	128,90
0141	1437mm	Intermediate module MI	128,90
0142	1437mm	Final module MF	128,90

\* Option stretch blind in other measures  
(For more information consult the technical department. Secom)



**Aliket Basic LED suspension kit**

Ref.	Aliket	Cable length	Units per luminaire	TP €
7001	719mm	1200mm	2	20,60
7002	719mm	2000mm	2	20,60
7003	719mm	3000mm	2	20,60
1401	1437mm	1200mm	2	20,60
1402	1437mm	2000mm	2	20,60
1403	1437mm	3000mm	2	20,60

\* Suspension available in other lengths (on request).

**Aliket Basic LED fixing for threaded rod M4**

Ref.	Fixing	Aliket	Units per luminaire	TP €
FVR14	For threaded rod	1437mm	3	9,00

**Aliket Basic LED fixing for chain 2x12mm**

Ref.	Fixing	Aliket	Units per luminaire	TP €
FC14	For chain	1437mm	3	11,00



**Aliket Basic LED kit chain 2x12mm**

Ref.	Aliket	Cable length	Units per luminaire	TP €
1404	1437mm	1000mm	3	18,90
1405	1437mm	2000mm	3	26,80
1406	1437mm	3000mm	3	34,70

\* Fixing available in other lengths (on request).





# ALIKET CONTINUOUS LINE

Protection degree IP44



- Material:** Body made of extruded aluminum with baked paint coating.
- Optics:** Novel PMMA transparent or matte optics that provides uniform illumination over the whole surface.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules by Osram LEDs with total power of 20W, 40W and 50W with Duris E5. And 30W, 60W or 75W by Osloom SSL.
- Installation:** Directly to the ceiling or suspended.
- Colours:** White, black, matt chrome and titanium.



Aliket LED 600mm 20w transparent optical continuous line



Includes driver, transparent optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Med. / Measu.	TP €
037 01 1 20 1 84 MP	White	20W	2100	600x100,80x65,60	224,90
037 01 1 20 1 84 MI	White	20W	2100	600x100,80x65,60	224,90
037 01 1 20 1 84 MF	White	20W	2100	600x100,80x65,60	224,90
037 01 1 20 1 84 MC	White	20W	2100	600x100,80x65,60	224,90

\* Standardly supplied with 4000° K LED.



Aliket LED 600mm 20w matt optical continuous line

Includes driver, matt optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP €
037 01 1 20 2 84 MP	White	20W	2100	600x100,80x65,60	224,90
037 01 1 20 2 84 MI	White	20W	2100	600x100,80x65,60	224,90
037 01 1 20 2 84 MF	White	20W	2100	600x100,80x65,60	224,90
037 01 1 20 2 84 MC	White	20W	2100	600x100,80x65,60	224,90

\* Standardly supplied with 4000° K LED.

Aliket LED 600mm 20w asymmetric optical continuous line



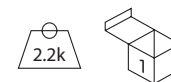
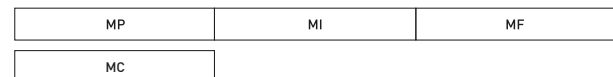
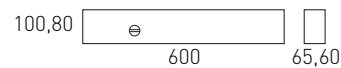
Includes driver, asymmetric optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP €
037 01 1 20 3 84 MP	White	20W	1953	600x100,80x65,60	259,60
037 01 1 20 3 84 MI	White	20W	1953	600x100,80x65,60	259,60
037 01 1 20 3 84 MF	White	20W	1953	600x100,80x65,60	259,60
037 01 1 20 3 84 MC	White	20W	1953	600x100,80x65,60	259,60

\* Standardly supplied with 4000° K LED.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K	5700°K
Lum 20w	2090	2100	-	2100
Lum 30w	2730	3150	3150	-



**Aliket LED 600mm 30w transparent optical continuous line**



Includes driver, transparent optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Med. / Measu.	TP £
037 01 1 30 1 84 MP	White	30W	3150	600x100,80x65,60	259,90
037 01 1 30 1 84 MI	White	30W	3150	600x100,80x65,60	259,90
037 01 1 30 1 84 MF	White	30W	3150	600x100,80x65,60	259,90
037 01 1 30 1 84 MC	White	30W	3150	600x100,80x65,60	259,90

\* Standardly supplied with 4000° K LED.

**Aliket LED 600mm 30w asymmetric optical continuous line**



Includes driver, asymmetric optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP £
037 01 1 30 3 84 MP	White	30W	2929	600x100,80x65,60	298,90
037 01 1 30 3 84 MI	White	30W	2929	600x100,80x65,60	298,90
037 01 1 30 3 84 MF	White	30W	2929	600x100,80x65,60	298,90
037 01 1 30 3 84 MC	White	30W	2929	600x100,80x65,60	298,90

\* Standardly supplied with 4000° K LED.

**Aliket LED 600mm 30w matt optical continuous line**



Includes driver, matt optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	€
037 01 1 30 2 84 MP	Blanco/White	30W	3150	600x100,80x65,60	259,90
037 01 1 30 2 84 MI	Blanco/White	30W	3150	600x100,80x65,60	259,90
037 01 1 30 2 84 MF	Blanco/White	30W	3150	600x100,80x65,60	259,90
037 01 1 30 2 84 MC	Blanco/White	30W	3150	600x100,80x65,60	259,90

\* Standardly supplied with 4000° K LED.

Rough price increase of driver		20w	30w
Ref. DRD	Dimmable driver Dali	66,55	66,55
Ref. KE1	Emergency kit 1h. of autonomy	116,20	116,20
Ref. KE3	Emergency kit 3 h. of autonomy	121,80	121,80
Ref. CRI90	CRI>90	12,80	15,40

Rough price increase of the finished frame	TP £
Color other than white	14,90

Rough price increase of lamp		20w	30w
Ref. LPF	LEDs Fish - 4000K - CRI>90	18,00	19,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	18,00	19,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	18,00	19,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	18,00	19,00



Aliket LED 1200mm 40w transparent optical continuous line



Includes driver, transparent optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Med. / Measu.	TP €
037 01 2 40 1 84 MP	White	40W	4200	1200x100,80x65,60	357,93
037 01 2 40 1 84 MI	White	40W	4200	1200x100,80x65,60	357,93
037 01 2 40 1 84 MF	White	40W	4200	1200x100,80x65,60	357,93
037 01 2 40 1 84 MC	White	40W	4200	1200x100,80x65,60	357,93

\* Standardly supplied with 4000° K LED.

Aliket LED 1200mm 40w asymmetric optical continuous line



Includes driver, asymmetric optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP €
037 01 2 40 3 84 MP	White	40W	3906	1200x100,80x65,60	412,80
037 01 2 40 3 84 MI	White	40W	3906	1200x100,80x65,60	412,80
037 01 2 40 3 84 MF	White	40W	3906	1200x100,80x65,60	412,80
037 01 2 40 3 84 MC	White	40W	3906	1200x100,80x65,60	412,80

\* Standardly supplied with 4000° K LED.

Aliket LED 1200mm 40w matt optical continuous line



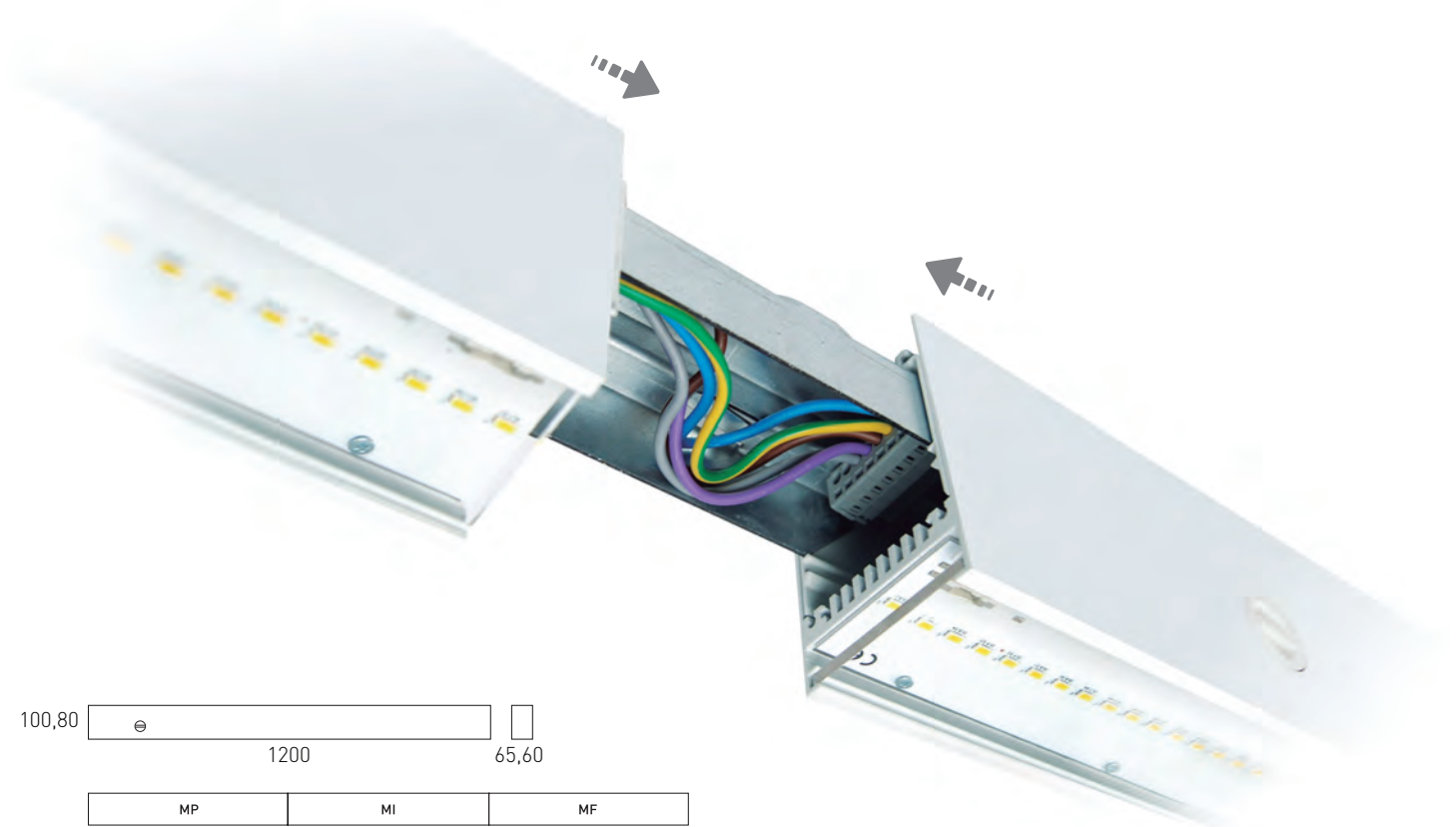
Includes driver, matt optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

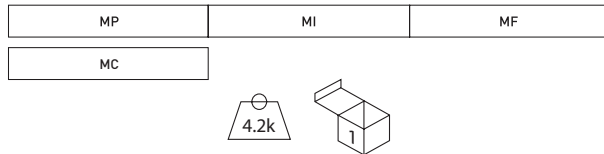
Ref.	Colour	W	Lum.	Measu.	TP €
037 01 2 40 2 84 MP	White	40W	4200	1200x100,80x65,60	357,93
037 01 2 40 2 84 MI	White	40W	4200	1200x100,80x65,60	357,93
037 01 2 40 2 84 MF	White	40W	4200	1200x100,80x65,60	357,93
037 01 2 40 2 84 MC	White	40W	4200	1200x100,80x65,60	357,93

\* Standardly supplied with 4000° K LED.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	Ref. 85
CRI>80 / Temp. de color / Colour temperature	3000°K	4000°K	5000°K	5700°K
Lum 40w	4180	4200	-	4200
Lum 60w	5460	6300	6300	-



100,80  
1200  
65,60



**Aliket LED 1200mm 60w transparent optical continuous line**



Includes driver, transparent optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP €
037 01 2 60 1 84 MP	White	60W	6300	1200x100,80x65,60	395,80
037 01 2 60 1 84 MI	White	60W	6300	1200x100,80x65,60	395,80
037 01 2 60 1 84 MF	White	60W	6300	1200x100,80x65,60	395,80
037 01 2 60 1 84 MC	White	60W	6300	1200x100,80x65,60	395,80

\* Standardly supplied with 4000° K LED.

**Aliket LED 1200mm 60w asymmetric optical continuous line**



Includes driver, asymmetric optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP €
037 01 2 60 3 84 MP	White	60W	5859	1200x100,80x65,60	452,20
037 01 2 60 3 84 MI	White	60W	5859	1200x100,80x65,60	452,20
037 01 2 60 3 84 MF	White	60W	5859	1200x100,80x65,60	452,20
037 01 2 60 3 84 MC	White	60W	5859	1200x100,80x65,60	452,20

\* Standardly supplied with 4000° K LED.

**Aliket LED 1200mm 60w matt optical continuous line**



Includes driver, matt optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP €
037 01 2 60 2 84 MP	White	60W	6300	1200x100,80x65,60	395,80
037 01 2 60 2 84 MI	White	60W	6300	1200x100,80x65,60	395,80
037 01 2 60 2 84 MF	White	60W	6300	1200x100,80x65,60	395,80
037 01 2 60 2 84 MC	White	60W	6300	1200x100,80x65,60	395,80

\* Standardly supplied with 4000° K LED.

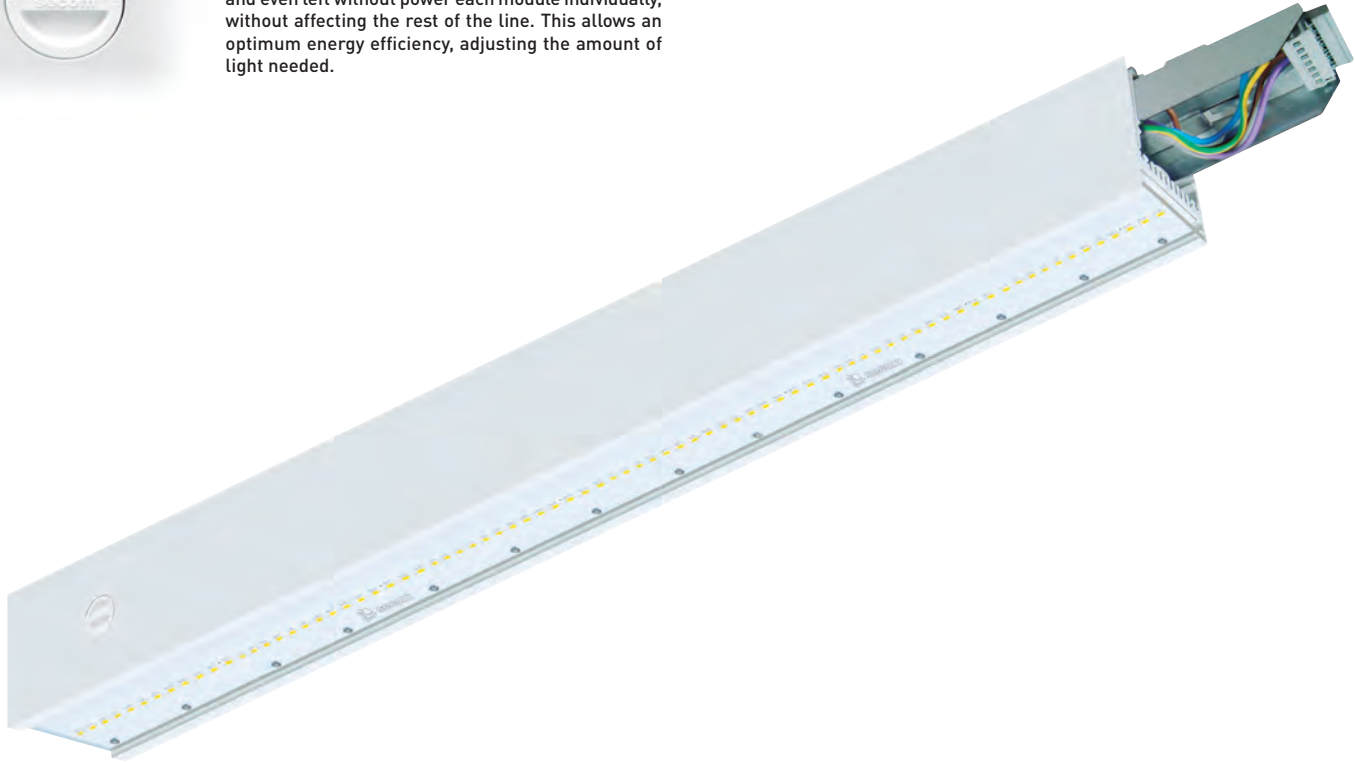
Rough price increase of driver		40w	60w
Ref. DRD	Dimmable driver Dali	66,55	72,90
Ref. KE1	Emergency kit 1h. of autonomy	116,20	116,20
Ref. KE3	Emergency kit 3 h. of autonomy	121,80	121,80
Ref. CRI90	CRI>90	25,60	30,80

Rough price increase of the finished frame		TP €
Color other than white		25,90

Rough price increase of lamp		40w	60w
Ref. LPF	LEDs Fish - 4000K - CRI>90	20,00	22,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	20,00	22,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	20,00	22,00
Ref. LVV	LEDs Veg. and fruit - 4000K - CRI>90	20,00	22,00



Aliket mounts a 4 positions selector, each one connected to a phase, which allows to turn on, to turn off and even left without power each module individually, without affecting the rest of the line. This allows an optimum energy efficiency, adjusting the amount of light needed.



**Aliket LED 1500mm 50w transparent optical continuous line**



Includes driver, transparent optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP £
037 01 4 50 1 84 MP	White	50W	5512	1500x100,80x65,60	442,90
037 01 4 50 1 84 MI	White	50W	5512	1500x100,80x65,60	442,90
037 01 4 50 1 84 MF	White	50W	5512	1500x100,80x65,60	442,90
037 01 4 50 1 84 MC	White	50W	5512	1500x100,80x65,60	442,90

\* Standardly supplied with 4000° K LED.

**Aliket LED 1500mm 50w asymmetric continuous line**



Includes driver, asymmetric optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP £
037 01 4 50 3 84 MP	White	50W	5126	1500x100,80x65,60	510,60
037 01 4 50 3 84 MI	White	50W	5126	1500x100,80x65,60	510,60
037 01 4 50 3 84 MF	White	50W	5126	1500x100,80x65,60	510,60
037 01 4 50 3 84 MC	White	50W	5126	1500x100,80x65,60	510,60

\* Standardly supplied with 4000° K LED.

**Aliket LED 1500mm 50w matt optical continuous line**



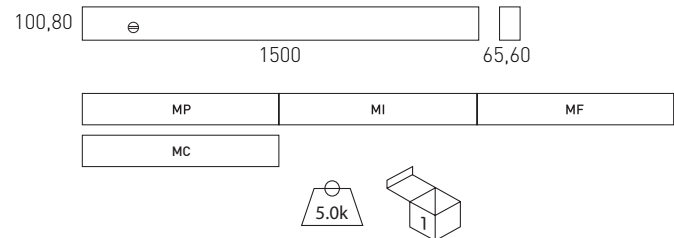
Includes driver, matt optical and LED Duris E5

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP £
037 01 4 50 2 84 MP	White	50W	5512	1500x100,80x65,60	442,90
037 01 4 50 2 84 MI	White	50W	5512	1500x100,80x65,60	442,90
037 01 4 50 2 84 MF	White	50W	5512	1500x100,80x65,60	442,90
037 01 4 50 2 84 MC	White	50W	5512	1500x100,80x65,60	442,90

\* Standardly supplied with 4000° K LED.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K	5700°K
Lum 50w	5486	5512	-	5512
Lum 75w	7140	7386	7386	-



**Aliket LED 1500mm 75w transparent optical continuous line**



Includes driver, transparent optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Med. / Measu.	TP £
037 01 4 75 1 84 MP	White	75W	7386	1500x100,80x65,60	489,80
037 01 4 75 1 84 MI	White	75W	7386	1500x100,80x65,60	489,80
037 01 4 75 1 84 MF	White	75W	7386	1500x100,80x65,60	489,80
037 01 4 75 1 84 MC	White	75W	7386	1500x100,80x65,60	489,80

\* Standardly supplied with 4000° K LED.

**Aliket LED 1500mm 75w asymmetric optical continuous line**



Includes driver, asymmetric optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Measu.	TP £
037 01 4 75 3 84 MP	White	75W	6869	1500x100,80x65,60	559,60
037 01 4 75 3 84 MI	White	75W	6869	1500x100,80x65,60	559,60
037 01 4 75 3 84 MF	White	75W	6869	1500x100,80x65,60	559,60
037 01 4 75 3 84 MC	White	75W	6869	1500x100,80x65,60	559,60

\* Standardly supplied with 4000° K LED.

**Aliket LED 1500mm 75w matt optical continuous line**



Includes driver, matt optical and LED Oslon SSL

Initial module (MP), intermediate module (MI), final module (MF), closed module (MC)

Ref.	Colour	W	Lum.	Med. / Measu.	TP £
037 01 4 75 2 84 MP	White	75W	7386	1500x100,80x65,60	489,90
037 01 4 75 2 84 MI	White	75W	7386	1500x100,80x65,60	489,90
037 01 4 75 2 84 MF	White	75W	7386	1500x100,80x65,60	489,90
037 01 4 75 2 84 MC	White	75W	7386	1500x100,80x65,60	489,90

\* Standardly supplied with 4000° K LED.

Rough price increase of driver		50w	75w
Ref. DRD	Dimmable driver Dali	66,55	72,90
Ref. KE1	Emergency kit 1h. of autonomy	116,20	116,20
Ref. KE3	Emergency kit 3 h. of autonomy	121,80	121,80
Ref. CRI90	CRI>90	35,00	38,00

Rough price increase of the finished frame	TP £
Color other than white	31,00

Rough price increase of lamp		50w	75w
Ref. LPF	LEDs Fish - 4000K - CRI>90	25,00	28,00
Ref. LPB	LEDs Bread - 3000K - CRI>90	25,00	28,00
Ref. LCM	LEDs Meat - 2700K - CRI>90	25,00	28,00
Ref. LWV	LEDs Veg. and fruit - 4000K - CRI>90	25,00	28,00



#### Aliket Led blind joint continuous line

Ref.	Colour	Measu.	TP €
0060 01 0	White	125x125	175,90



#### Aliket LED stretch blind

Ref.	Aliket	Stretch blind	TP €
0060	600mm	Initial module MP	169,90
0061	600mm	Intermediate module MI	169,90
0062	600mm	Final module MF	169,90
0120	1200mm	Initial module MP	262,10
0121	1200mm	Intermediate module MI	262,10
0122	1200mm	Final module MF	262,10
0150	1500mm	Initial module MP	310,40
0151	1500mm	Intermediate module MI	310,40
0152	1500mm	Final module MF	310,40

#### Aliket LED fixing for threaded rod M4

Ref.	Fixing	Aliket	Units per luminaire	TP €
FVR6	For hreaded rod	600mm	2	9,00
FVR12	For hreaded rod	1200mm	3	13,80
FVR15	For hreaded rod	1500mm	3	13,80

#### Clamp surface

Ref.	TP€
0167	1,00



#### Aliket LED suspension kit

Ref.	Aliket	Cable length	Units per luminaire	TP €
6001	600mm	1200mm	2	20,60
6002	600mm	2000mm	2	23,60
6003	600mm	3000mm	2	25,60
1201	1200mm	1200mm	2	20,60
1202	1200mm	2000mm	2	23,60
1203	1200mm	3000mm	2	25,60
1501	1500mm	1200mm	2	20,60
1502	1500mm	2000mm	2	23,60
1503	1500mm	3000mm	2	25,60

\* Suspension available in other lengths (on request).

#### Aliket LED fixing for chain 2x12mm

Ref.	Fixing	Aliket	Units per luminaire	TP €
FC6	For chain	600mm	2	11,00
FC12	For chain	1200mm	3	16,80
FC15	For chain	1500mm	3	16,80



#### Aliket LED kit chain 2x12mm

Ref.	Aliket	Cable length	Units per luminaire	TP €
6004	600mm	1000mm	2	18,90
6005	600mm	2000mm	2	26,80
6006	600mm	3000mm	2	34,70
1204	1200mm	1000mm	3	24,40
1205	1200mm	2000mm	3	40,20
1206	1200mm	3000mm	3	49,90
1504	1500mm	1000mm	3	24,40
1505	1500mm	2000mm	3	40,20
1506	1500mm	3000mm	3	49,90

\* Fixing available in other lengths (on request).





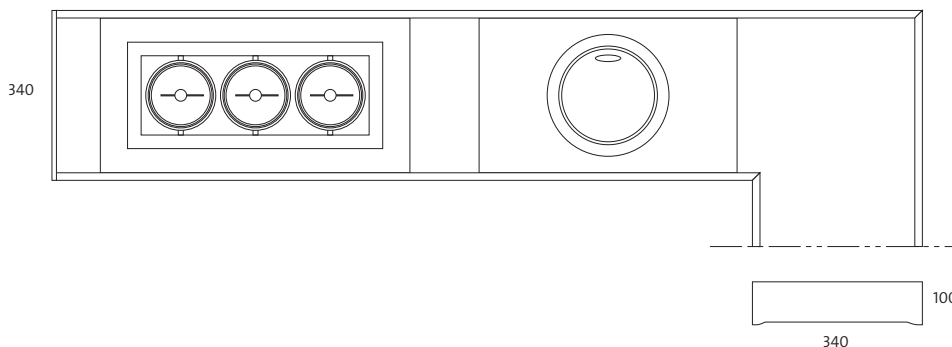
# POLIVAN

Protection degree IP20



- Material:** Structure made in extruded aluminium and modules made in thermo painted steel sheet.
- Optics:** Optics incorporated in the lamps. PL-C, PL-T and HQI incorporated brightness aluminium reflectors.
- Supply:** All models include control gear and lamps.
- Lamps:** Thanks to his versatility, Polivan admits a lot of luminaires like LED, QR-111, PL-C and PL-T, CDM-R 111, CDM-TC and HQI.
- Installation:** By suspension with a standard 1 meter suspension kit (screw not included).
- Colours:** White, black and titanium.





**Basic structure**

**Polivan frame base 1 meter (2 units)**

Ref.	Colour	Lenght	TP €
1017 01	White	meter	140,69
1017 02	Black	meter	142,96
1017 90	Titanium	meter	142,96

**Polivan frame base 2 meter (2 units)**

Ref.	Colour	Longitud	TP €
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	TP €
1020 01	White	13,18
1020 02	Black	13,49
1020 90	Titanium	13,49

**Suspension cable**

Ref.	Colour	Lenght	V
1023 01	White	1 meter	7,04
1023 02	Black	1 meter	7,04

(\*) Each part of the structure needs one independent suspension.

**Power cord (unit)**

Ref.	Colour	Lenght	TP €
1024 01	White	2 meters	21,54
1024 02	Black	2 meters	21,54

**Expansion of the basic structure**

**90° Joint**

Ref.	Colour	V
1022 01	White	50,26
1022 02	Black	50,98
1022 90	Titanium	50,98

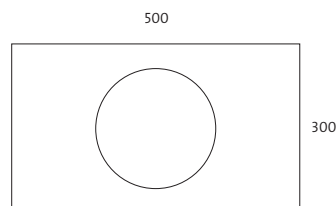
**Intermediate joint straight sections (2 units)**

Ref.	Colour	TP €
1021 01	White	8,85
1021 02	Black	9,11
1021 90	Titanium	9,11

## Modules Polivan

## Adaptable luminaries

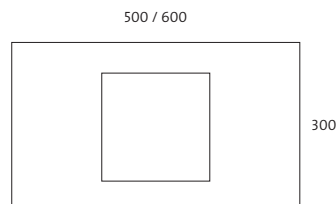
Ref.	Colour	module dimension	cut /	TP €		
4231 01	White	500x300	ø 150	27,40		
4231 02	Black	500x300	ø 150	28,60	Ref. 5002 Boxter recessed	Ref. 3001 Ledión mini
4231 90	Titanium	500x300	ø 150	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4249 01	White	500x300	ø 155	27,40		
4249 02	Black	500x300	ø 155	28,60	Ref. 4206 Mini Aircom LED circular	
4249 90	Titanium	500x300	ø 155	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4232 01	White	500x300	ø 160	27,40		
4232 02	Black	500x300	ø 160	28,60	Ref. 156 Nogo LED	Ref. 157 Nogo CDMR
4232 90	Titanium	500x300	ø 160	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4233 01	White	500x300	ø 170	27,40		
4233 02	Black	500x300	ø 170	28,60		
4233 90	Titanium	500x300	ø 170	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4234 01	White	500x300	ø 175	27,40		
4234 02	Black	500x300	ø 175	28,60		
4234 90	Titanium	500x300	ø 175	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4235 01	White	500x300	ø 195	27,40	Ref. 495 Ducto PL	Ref. 4226 Aircom medium LED
4235 02	Black	500x300	ø 195	28,60	Ref. 495 Ecoducto LED	Ref. 4227 Aircom supra LED
4235 90	Titanium	500x300	ø 195	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4236 01	White	500x300	ø 200	27,40		
4236 02	Black	500x300	ø 200	28,60	Ref. 3003 Ledión	Ref. 3073 Ledión PL
4236 90	Titanium	500x300	ø 200	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4237 01	White	500x300	ø 225	27,40		
4237 02	Black	500x300	ø 225	28,60	Ref. 404 Efici (1 lamp)	Ref. 405 Efici (2 lamp)
4237 90	Titanium	500x300	ø 225	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4238 01	White	500x300	ø 230	27,40		
4238 02	Black	500x300	ø 230	28,60	Ref. 4220 Aircom LED circular	Ref. 3172 Supra Ledión
4238 90	Titanium	500x300	ø 230	28,60		
Ref.	Colour	module dimension	cut /	TP €		
4239 01	White	500x300	ø 235	27,40		
4239 02	Black	500x300	ø 235	28,60		
4239 90	Titanium	500x300	ø 235	28,60		



## Modules Polivan

## Adaptable luminaries

Ref.	Colour	module dimension	cut /	TP €	
4248 01	White	500x300	□ 168x168	27,40	Ref. 4250 Mini Aircom LED square
4248 02	Black	500x300	□ 168x168	28,60	
4248 90	Titanium	500x300	□ 168x168	28,60	
Ref.	Colour	module dimension	cut /	TP €	
4241 01	White	500x300	□ 175x175	27,40	Ref. 105 Eurocom 1 lamp    Ref. 716 Lecom CDMR 1 lamp    Ref. 765 Lecon LED 1 lamp Ref. 3284 Diricom 1 lamp
4241 02	Black	500x300	□ 175x175	28,60	
4241 90	Titanium	500x300	□ 175x175	28,60	
Ref.	Colour	module dimension	cut /	TP €	
4242 01	White	500x300	□ 175x320	27,40	Ref. 106 Eurocom 2 lamps    Ref. 717 Lecom CDMR 2 lamps    Ref. 766 Lecon LED 2 lamps Ref. 3284 Diricom 2 lamp
4242 02	Black	500x300	□ 175x320	28,60	
4242 90	Titanium	500x300	□ 175x320	28,60	
Ref.	Colour	module dimension	cut /	TP €	
4243 01	White	600x300	□ 175x470	27,40	Ref. 107 Eurocom 3 lamps    Ref. 718 Lecom CDMR 3 lamps    Ref. 767 Lecon LED 3 lamps Ref. 3284 Diricom 3 lamp
4243 02	Black	600x300	□ 175x470	28,60	
4243 90	Titanium	600x300	□ 175x470	28,60	
Ref.	Colour	module dimension	cut /	TP €	
4245 01	White	500x300	□ 215x130	27,40	Ref. 701 Rectangular adjustable LED
4245 02	Black	500x300	□ 215x130	28,60	
4245 90	Titanium	500x300	□ 215x130	28,60	
Ref.	Colour	module dimension	cut /	TP €	
4246 01	White	500x300	□ 232x190	27,40	
4246 02	Black	500x300	□ 232x190	28,60	
4246 90	Titanium	500x300	□ 232x190	28,60	
Ref.	Colour	module dimension	cut /	TP €	
4247 01	White	500x300	□ 245x245	27,40	Ref. 4223 Aircom LED square
4247 02	Black	500x300	□ 245x245	28,60	
4247 90	Titanium	500x300	□ 245x245	28,60	

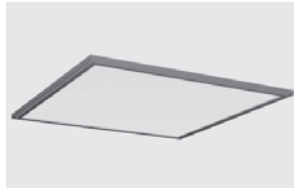


The Polivan structure supports direct installation without modules of the following types:

Ref. 4271 Estlim LED 600x300

Ref. 4273 Estlim LED 1200x300

**Screen LED**



Eslim LED recessed 200  
Eslim LED UGR<19 204  
Eslim LED surface 206

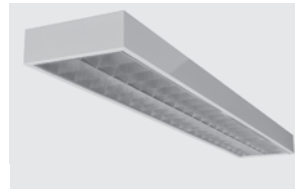


Enerfi LED 27-32w 208  
Recessed

**Fluorescence T8**



Recessed polyvalent Virtus 213



Surface Virtus 216

**Fluorescence T5**



Recessed polyvalent Enerfi 2xT5 220



Recessed polyvalent Enerfi 3xT5 222



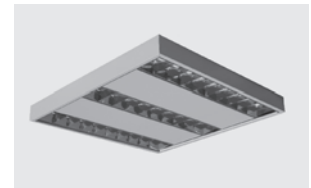
Recessed polyvalent Enerfi 4xT5 224



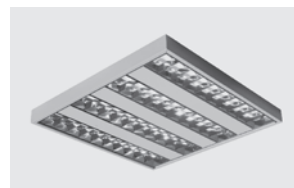
Surface Enerfi 1xT5 226



Surface Enerfi 2xT5 228

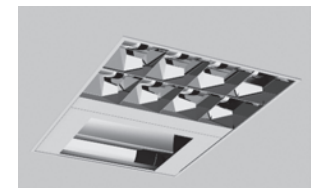


Surface Enerfi 3xT5 230



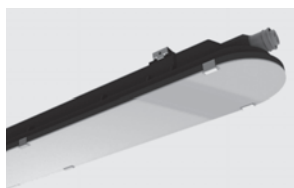
Surface Enerfi 4xT5 232

**Hospitals Fluorescence Lights**

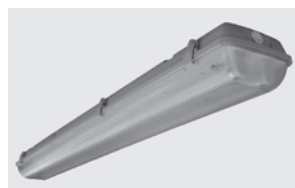


Combirtus 235

**Waterproof screen**



Kloss LED waterproof screen 236



Berna / Berna Eco waterp. screen 238

**Other screens**

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Luminary with prismatic diffuser 241



Industrial strip T8 242  
Industrial strip T5 243





## APPLICATIONS FOR LED

### Chromatic reproduction index (CRI 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. DR Dimmable Driver by Signal 1-10v.

This system is one of the earliest and simplest systems ever created. Consists in creating a DC voltage that varies between one and ten volts, to control the proportional percentage of the light power, 1 volt to have a power of 10% and 10 volts for 100% power.

This system requires passing a cable through the control channel (plus a common return wire). The interference from nearby power cables can affect the signal installation, causing even flicker.

### Ref. DRD Dimmable driver Dali

It consists of a controller and one or more light fixtures DALI type. This driver ("master") can monitor and manage the light of other devices ("slaves") individually or collectively. To accomplish this goal, to each device is assigned a unique and static address with a numeric range, they should be connected together with just a pair of copper wires for the DALI communication.

### Ref. DRP Dimmable Driver for Pushbutton

A short press will turn ON or OFF the light. A long press increases or decreases the light intensity. Once you reach the maximum or minimum value will stop automatically. The maximum cable length from the pushbutton to the last driver should be inferior to 15m. In case of exceeding this length, you must ensure the maintenance of the standard supply. The installation of the synchronization cable is required.

### Ref. 3420 Connection Cable DRP

Allows the correct synchronization of devices. Connected via plug-in terminals between devices. A master cable controls a maximum of nine slaves.

### Ref. PCFT Flux control

Light sensor device that allows the automatic adjustment to ambient light. Designed to save large amounts of energy compensating excessive levels of lighting. This device is fixed to the ceiling (surface) and is connected to a 1-10v dimmable driver. Where this device is connected it will be considered the "master" driver and depending on the light received by the sensor connected to that driver may regulated a maximum of 10 drivers in the same line. The installation of the synchronization cable is required. Additionally, this sensor has a rotary diaphragm, by which you can manually configure the desired lighting level.





# ESLIM RECESSED

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Compose by modules LEDs Osram Duris E5 with total power of 20w, 40w and 60w.
- Installation:** Recessed for removable ceiling profile view, metal and plaster ceilings.
- Colours:** White, black, matt chrome and titanium.



## Recessed Armstrong

### Eslim 600x95 Recessed Armstrong 20w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4270 01 84	White	600x95	2000	20w	153,90
4270 02 84	Black	600x95	2000	20w	157,20
4270 52 84	Matt Chrome	600x95	2000	20w	157,20
4270 90 84	Titanium	600x95	2000	20w	157,20

\* Standardly supplied with 4000° K LED.

### Eslim LED 600x300 Recessed Armstrong 20w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4271 01 84	White	600x300	2000	20w	167,66
4271 02 84	Black	600x300	2000	20w	171,58
4271 52 84	Matt Chrome	600x300	2000	20w	171,58
4271 90 84	Titanium	600x300	2000	20w	171,58

\* Standardly supplied with 4000° K LED.

#### Rough price increase of driver 20W

Ref.	Description	TP £
Ref. DR20	Driver dimmable 1-10V	46,20
Ref. DRD20	Driver dimmable Dali	52,20
Ref. DRP20	Dimmable driver with push button	62,40
Ref. PCFT	Lighting control system for DR20	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR20	9,60
Ref. 3416	Emergency Kit 1 hour of autonomy	109,80
Ref. 3417	Emergency Kit 3 hours of autonomy	118,60
Ref. IP54	Protection degree IP54	48,00
Ref. IP65	Protection degree IP65	64,20

### Eslim LED 600x600 Recessed Armstrong 40w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4212 01 84	White	600x600	4000	40w	152,20
4212 02 84	Black	600x600	4000	40w	156,80
4212 52 84	Matt Chrome	600x600	4000	40w	156,80
4212 90 84	Titanium	600x600	4000	40w	156,80

\* Standardly supplied with 4000° K LED.

### Eslim LED 600x600 Recessed Armstrong 60w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4112 01 60 84	White	600x600	6000	60w	282,44
4112 02 60 84	Black	600x600	6000	60w	286,28
4112 52 60 84	Matt Chrome	600x600	6000	60w	286,28
4112 90 60 84	Titanium	600x600	6000	60w	286,28

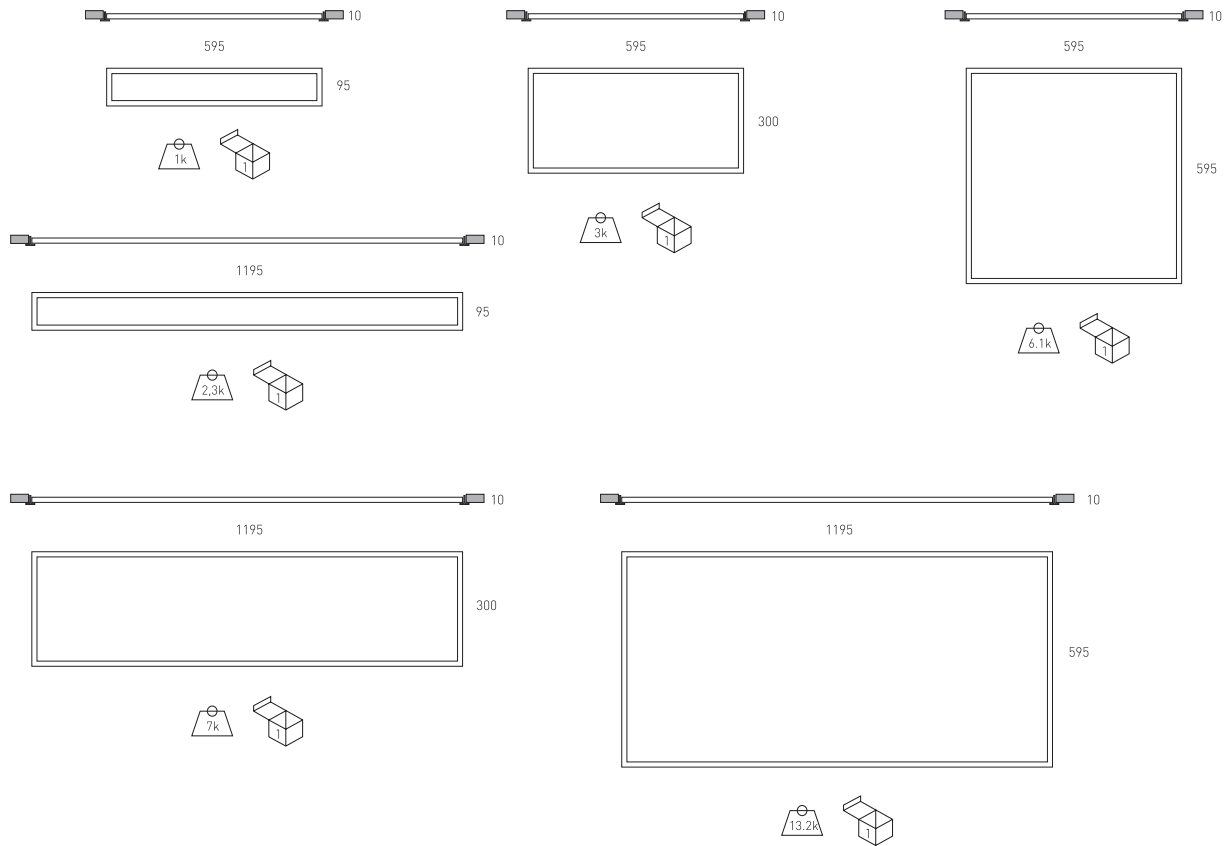
\* Standardly supplied with 4000° K LED.

#### OPTIONS LED

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1814	2000	2271
Lum 40w	3628	4000	4543
Lum 60w	5442	6000	6814

#### Rough price increase of driver 40W

Ref.	Description	TP £
Ref. DR40	Driver dimmable 1-10V	49,40
Ref. DRD40	Driver dimmable Dali	56,90
Ref. DRP40	Dimmable driver with push button	66,50
Ref. PCFT	Lighting control system for DR40	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR40	9,60
Ref. KE1	Emergency Kit 1 hour of autonomy	109,80
Ref. KE3	Emergency Kit 3 hours of autonomy	118,60
Ref. IP54	Protection degree IP54	59,00
Ref. IP65	Protection degree IP65	78,00



**Eslim LED 1200x95 Recessed Armstrong 40w**



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4272 01 84	White	1200x95	4000	40w	252,9
4272 02 84	Black	1200x95	4000	40w	254,60
4272 52 84	Matt Chrome	1200x95	4000	40w	254,60
4272 90 84	Titanium	1200x95	4000	40w	254,60

\* Standardly supplied with 4000° K LED.

**Eslim LED 1200x600 Recessed Armstrong 60w**



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4213 01 84	White	1200x600	6000	60w	349,90
4213 02 84	Black	1200x600	6000	60w	354,90
4213 52 84	Matt Chrome	1200x600	6000	60w	354,90
4213 90 84	Titanium	1200x600	6000	60w	354,90

\* Standardly supplied with 4000° K LED.

**Eslim LED 1200x300 Recessed Armstrong 40w**



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4273 01 84	White	1200x300	4000	40w	292,88
4273 02 84	Black	1200x300	4000	40w	294,40
4273 52 84	Matt Chrome	1200x300	4000	40w	294,40
4273 90 84	Titanium	1200x300	4000	40w	294,40

\* Standardly supplied with 4000° K LED.

**Security**

Ref.	Description	TP £
Ref. 1212	Claws security screens	2,85
Ref. 1210	Screen security kit (Claws and cable)	14,30

**Rough price increase of driver 40W**

Ref.	Description	TP £
Ref. DR40	Driver dimmable 1-10V	49,40
Ref. DRD40	Driver dimmable Dali	56,90
Ref. DRP40	Dimmable driver with push button	66,50
Ref. PCFT	Lighting control system for DR40	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR40	9,60
Ref. KE1	Emergency Kit 1 hour of autonomy	109,80
Ref. KE3	Emergency Kit 3 hours of autonomy	118,60
Ref. IP54	Protection degree IP54	59,00
Ref. IP65	Protection degree IP65	78,00

**Rough price increase of driver 60W**

Ref.	Description	TP £
Ref. DR60	Driver dimmable 1-10V	92,40
Ref. DRD60	Driver dimmable Dali	105,60
Ref. DRP60	Dimmable driver with push button	124,80
Ref. PCFT	Lighting control system for DR60	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR60	9,60
Ref. KE1	Emergency Kit 1 hour of autonomy	109,80
Ref. KE3	Emergency Kit 3 hours of autonomy	118,60
Ref. IP54	Protection degree IP54	68,00
Ref. IP65	Protection degree IP65	89,00



## Recessed polyvalent

### Eslim LED 600x95 Recessed polyvalent 20w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4274 01 84	White	600x95	2000	20w	161,20
4274 02 84	Black	600x95	2000	20w	164,60
4274 52 84	Matt Chrome	600x95	2000	20w	164,60
4274 90 84	Titanium	600x95	2000	20w	164,60

\* Standardly supplied with 4000° K LED.

### Eslim LED 600x300 Recessed polyvalent 20w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4275 01 84	White	600x300	2000	20w	177,42
4275 02 84	Black	600x300	2000	20w	179,48
4275 52 84	Matt Chrome	600x300	2000	20w	179,48
4275 90 84	Titanium	600x300	2000	20w	178,48

\* Standardly supplied with 4000° K LED.

	TP €
Rough price increase of driver 20W	
Ref. DR20 Driver dimmable 1-10V	46,20
Ref. DRD20 Driver dimmable Dali	52,20
Ref. DRP20 Dimmable driver with push button	62,40
Ref. PCFT Lighting control system for DR20	54,90
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. CF23 Mini flux control Integrated in the luminaire	44,00
Ref. 3420 Wire connector for DR20	9,60
Ref. 3416 Emergency Kit 1 hour of autonomy	109,80
Ref. 3417 Emergency Kit 3 hours of autonomy	118,60
Ref. IP54 Protection degree IP54	48,00
Ref. IP65 Protection degree IP65	64,20

### Eslim LED 600x600 Recessed polyvalent 40w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4214 01 84	White	600x600	4000	40w	162,12
4214 02 84	Negro / Black	600x600	4000	40w	165,91
4214 52 84	Matt Chrome	600x600	4000	40w	165,91
4214 90 84	Titanium	600x600	4000	40w	165,91

\* Standardly supplied with 4000° K LED.

### Eslim LED 600x600 Recessed polyvalent 60w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4114 01 60 84	White	600x600	6000	60w	292,48
4114 02 60 84	Black	600x600	6000	60w	296,24
4114 52 60 84	Matt Chrome	600x600	6000	60w	296,24
4114 90 60 84	Titanium	600x600	6000	60w	296,24

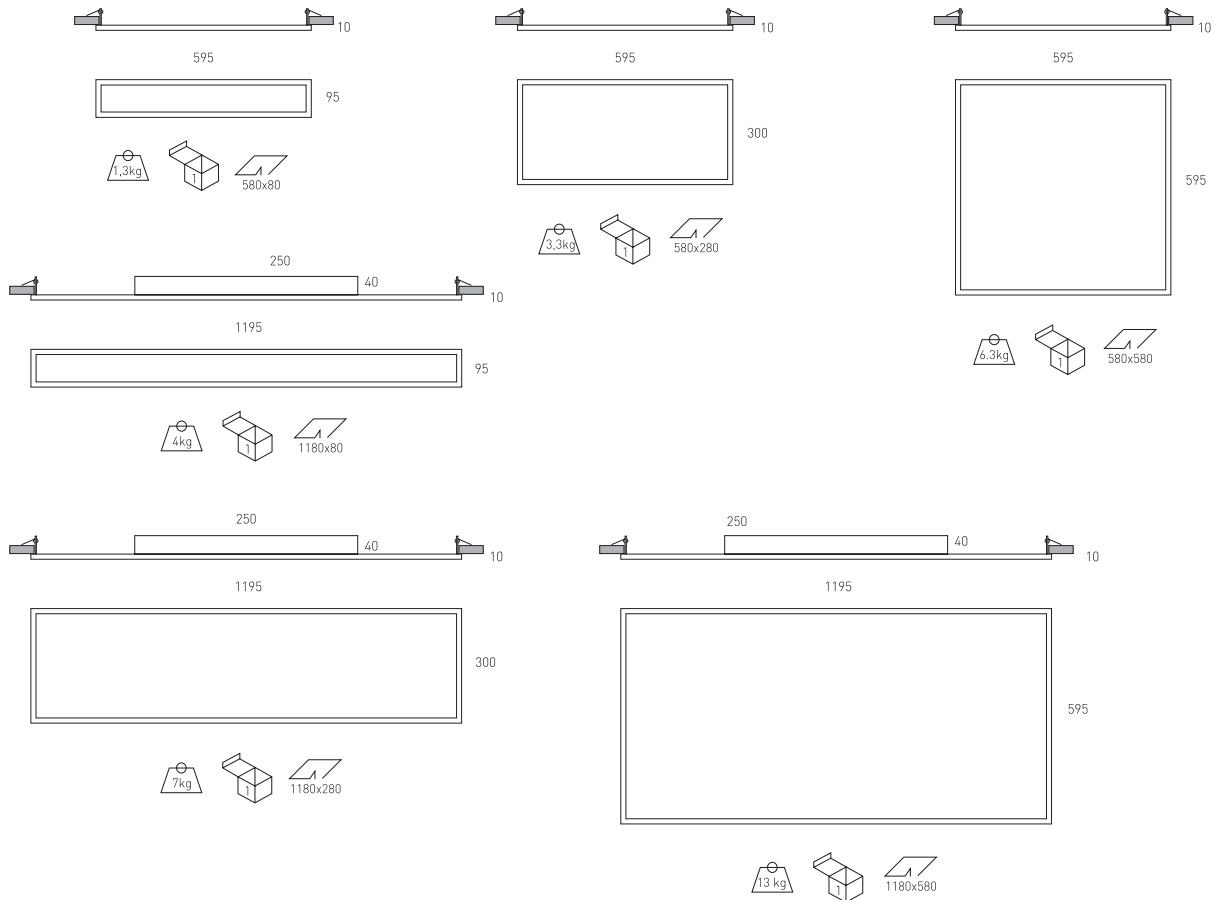
\* Standardly supplied with 4000° K LED.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1814	2000	2271
Lum 40w	3628	4000	4543
Lum 60w	5442	6000	6814

### Suspension kit

Ref.	Cable length	Units per luminaire	TP €
SUE1	1200mm	4	41,20
SUE2	2000mm	4	47,20
SUE3	3000mm	4	51,20

	TP €
Rough price increase of driver 40W	
Ref. DR40 Driver dimmable 1-10V	49,40
Ref. DRD40 Driver dimmable Dali	56,90
Ref. DRP40 Dimmable driver with push button	66,50
Ref. PCFT Lighting control system for DR40	54,90
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. CF23 Mini flux control Integrated in the luminaire	44,00
Ref. 3420 Wire connector for DR40	9,60
Ref. KE1 Emergency Kit 1 hour of autonomy	109,80
Ref. KE3 Emergency Kit 3 hours of autonomy	118,60
Ref. IP54 Protection degree IP54	59,00
Ref. IP65 Protection degree IP65	78,00



**Eslim LED 1200x95 Recessed polyvalent 40w**



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4276 01 84	White	1200x95	4000	40w	254,60
4276 02 84	Black	1200x95	4000	40w	256,10
4276 52 84	Matt Chrome	1200x95	4000	40w	256,10
4276 90 84	Titanium	1200x95	4000	40w	256,10

\* Standardly supplied with 4000° K LED.

**Eslim LED 1200x600 Recessed polyvalent 60w**



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4215 01 84	White	1200x600	6000	60w	354,24
4215 02 84	Black	1200x600	6000	60w	356,80
4215 52 84	Matt Chrome	1200x600	6000	60w	356,80
4215 90 84	Titanium	1200x600	6000	60w	356,80

\* Standardly supplied with 4000° K LED.

**Eslim LED 1200x300 Recessed polyvalent 40w**



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP €
4277 01 84	White	1200x300	4000	40w	296,20
4277 02 84	Black	1200x300	4000	40w	298,80
4277 52 84	Matt Chrome	1200x300	4000	40w	298,80
4277 90 84	Titanium	1200x300	4000	40w	298,80

\* Standardly supplied with 4000° K LED.

**Suspension kit**

Ref.	Cable length	Units per luminaire	TP €
SUE1	1200mm	4	41,20
SUE2	2000mm	4	47,20
SUE3	3000mm	4	51,20

**Rough price increase of driver 40W**

Ref.	Description	€
DR40	Driver dimmable 1-10V	49,40
DRD40	Driver dimmable Dali	56,90
DRP40	Dimmable driver with push button	66,50
PCFT	Lighting control system for DR40	54,90
DM8	Motion detector Integrated in the luminaire	30,00
CF23	Mini flux control Integrated in the luminaire	44,00
3420	Wire connector for DR40	9,60
KE1	Emergency Kit 1 hour of autonomy	109,80
KE3	Emergency Kit 3 hours of autonomy	118,60
IP54	Protection degree IP54	59,00
IP65	Protection degree IP65	78,00

**Rough price increase of driver 60W**

Ref.	Description	TP €
DR60	Driver dimmable 1-10V	92,40
DRD60	Driver dimmable Dali	105,60
DRP60	Dimmable driver with push button	124,80
PCFT	Lighting control system for DR60	54,90
DM8	Motion detector Integrated in the luminaire	30,00
CF23	Mini flux control Integrated in the luminaire	44,00
3420	Wire connector for DR60	9,60
KE1	Emergency Kit 1 hour of autonomy	109,80
KE3	Emergency Kit 3 hours of autonomy	118,60
IP54	Protection degree IP54	68,00
IP65	Protection degree IP65	89,00

# ESLIM UGR <19

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New prismatic optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Compose by modules LEDs with power of 40w.
- Installation:** Recessed for removable ceiling profile view, metal and plaster ceilings.
- Colours:** White.



## Recessed Armstrong

### Eslim LED UGR<19 - Armstrong

Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4268 01 40 84	White	600x600	3340	40w	159,84

\* Standardly supplied with 4000° K LED.

OPTIONS		TPE
Ref. DR19	Driver dimmable 1-10V	52,20
Ref. DRD19	Driver dimmable Dali	59,60
Ref. DRP19	Dimmable driver with push button	69,20
Ref. PCFT	Lighting control system for DR40	58,80
Ref. 3420	Wire connector for DR40	9,60
Ref. CF23	Mini flux control Integrated in the luminaire	44,60

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 40w	3290	3340	3390

## Recessed polyvalent

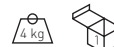
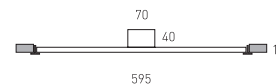
### Eslim LED UGR<19 - Polyvalent

Includes driver and LED lamps

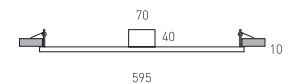
Ref.	Colour	Measure	Lum.	W	TP £
4269 01 40 84	White	600x600	3340	40w	168,90

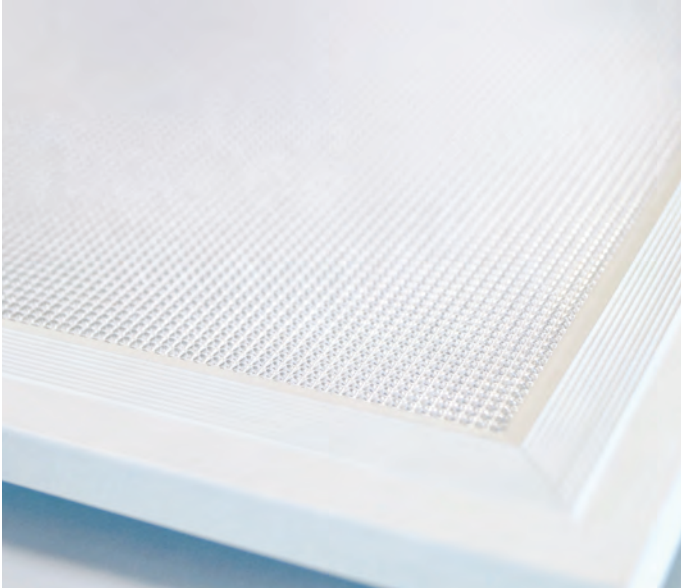
\* Standardly supplied with 4000° K LED.

### Armstrong



### Polyvalent





# ESLIM SURFACE

Protection degree IP44



- Material:** Bodies made of thermo painted aluminium coated.
- Optics:** New PMMA optic that provides uniform illumination over its entire surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Compose by modules LEDs Osram Duris E5 with total power of 20w, 40w and 60w.
- Installation:** Directly screw on ceilings by screws (not included).
- Colours:** White, black, matt chrome and titanium.



## Eslim LED 600x95 Surface 20w

Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4278 01 84	White	600x95	2000	20w	172,40
4278 02 84	Black	600x95	2000	20w	174,62
4278 52 84	Matt Chrome	600x95	2000	20w	174,62
4278 90 84	Titanium	600x95	2000	20w	174,62

\* Standardly supplied with 4000° K LED.



## Eslim LED 600x300 Surface 20w

Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4279 01 84	White	600x300	2000	20w	186,82
4279 02 84	Black	600x300	2000	20w	188,89
4279 52 84	Matt Chrome	600x300	2000	20w	188,89
4279 90 84	Titanium	600x300	2000	20w	188,89

\* Standardly supplied with 4000° K LED.

Ref.	Product	TP £
Ref. DR20	Driver dimmable 1-10V	46,20
Ref. DRD20	Driver dimmable Dali	52,20
Ref. DRP20	Dimmable driver with push button	62,40
Ref. PCFT	Lighting control system for DR20	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR20	9,60
Ref. IP54	Protection degree IP54	48,00
Ref. IP65	Protection degree IP65	64,20

## Eslim LED 600x600 Surface 40w

Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4216 01 84	White	600x600	4000	40w	194,20
4216 02 84	Black	600x600	4000	40w	196,60
4216 52 84	Matt Chrome	600x600	4000	40w	196,60
4216 90 84	Titanium	600x600	4000	40w	196,60

\* Standardly supplied with 4000° K LED.



## Eslim LED 600x600 Recessed Armstrong 60w

Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4216 01 60 84	White	600x600	6000	60w	339,20
4216 02 60 84	Black	600x600	6000	60w	343,18
4216 52 60 84	Matt Chrome	600x600	6000	60w	343,18
4216 90 60 84	Titanium	600x600	6000	60w	343,18

\* Standardly supplied with 4000° K LED.



OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1814	2000	2271
Lum 40w	3628	4000	4543
Lum 60w	5442	6000	6814

Ref.	Product	TP £
Ref. DR40	Driver dimmable 1-10V	49,40
Ref. DRD40	Driver dimmable Dali	56,90
Ref. DRP40	Dimmable driver with push button	66,50
Ref. PCFT	Lighting control system for DR40	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR40	9,60
Ref. IP54	Protection degree IP54	59,00
Ref. IP65	Protection degree IP65	78,20



Eslim LED 1200x95 surface 40w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4280 01 84	White	1200x95	4000	40w	297,65
4280 02 84	Black	1200x95	4000	40w	299,09
4280 52 84	Matt Chrome	1200x95	4000	40w	299,09
4280 90 84	Titanium	1200x95	4000	40w	299,09

\* Standardly supplied with 4000° K LED.

Eslim LED 1200x300 surface 40w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4281 01 84	White	1200x300	4000	40w	338,18
4281 02 84	Black	1200x300	4000	40w	340,18
4281 52 84	Matt Chrome	1200x300	4000	40w	340,18
4281 90 84	Titanium	1200x300	4000	40w	340,18

\* Standardly supplied with 4000° K LED.

Eslim LED 1200x600 surface 60w



Includes driver and LED lamps

Ref.	Colour	Measure	Lum.	W	TP £
4217 01 84	White	1200x600	6000	60w	378,40
4217 02 84	Black	1200x600	6000	60w	380,12
4217 52 84	Matt Chrome	1200x600	6000	60w	380,12
4217 90 84	Titanium	1200x600	6000	60w	380,12

\* Standardly supplied with 4000° K LED.

Rough price increase of driver 40W		TP £
Ref. DR40	Driver dimmable 1-10V	49,40
Ref. DRD40	Driver dimmable Dali	56,90
Ref. DRP40	Dimmable driver with push button	66,50
Ref. PCFT	Lighting control system for DR40	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR40	9,60
Ref. IP54	Protection degree IP54	59,00
Ref. IP65	Protection degree IP65	78,20

Rough price increase of driver 60W		TP £
Ref. DR60	Driver dimmable 1-10V	92,40
Ref. DRD60	Driver dimmable Dali	105,60
Ref. DRP60	Dimmable driver with push button	124,80
Ref. PCFT	Lighting control system for DR60	54,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. CF23	Mini flux control Integrated in the luminaire	44,00
Ref. 3420	Wire connector for DR60	9,60
Ref. IP54	Protection degree IP54	68,00
Ref. IP65	Protection degree IP65	89,00



# ENERFI RECESSED POLYVALENT

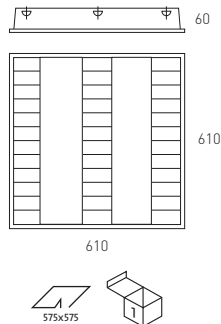
Protection degree IP20



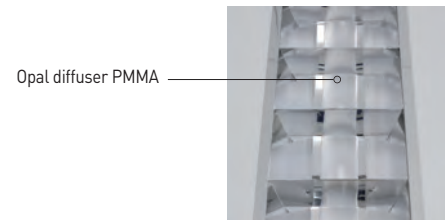
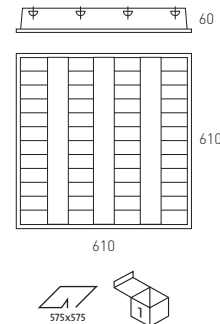
- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), with opal lens in order to minimize the level of glare and to get a greater visual comfort.
- Supply:** All models include control gear and lamps.
- Lamps:** Compose by modules LEDs Osram Duris E5 with total power of 27w and 36w.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Colours:** White. By request: Matt chrome and titanium.



Enerfi LED 27w



Enerfi LED 36w



Includes parabolic brightness aluminium "v" diffuser, LED lamp and clutches

Ref.	W	Lum.	Measu.	Ceiling	TP €
4915 01 27 84	27W	3564	610 x 610	575 x 575	150,90
4915 01 36 84	36W	4752	610 x 610	575 x 575	177,20

\* Standardly supplied with 4000° K LED.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 27w	3240	3564	3570
Lum 36w	4320	4752	4760

Rough price increase of driver	27w	36w
Ref. DR Driver dimmable 1-10V	49,40	49,40
Ref. DRD Driver dimmable Dali	56,90	56,90
Ref. 3416 Emergency Kit	105,60	105,60
Ref. 1215 SCB safety cable	5,34	5,34
Ref. DM8 Motion detector Integrated in the lum.	30,00	30,00
Ref. CF23 Mini flux control Integrated in the lum.	44,00	44,00



## APPLICATIONS FOR FLUORESCENCE

**Chromatic reproduction index (CRI 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

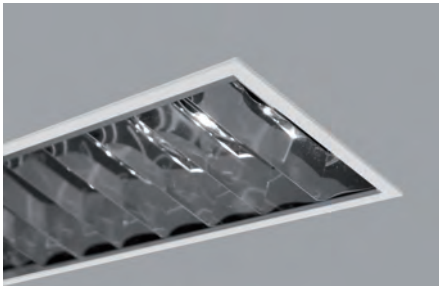
Ref. **Q** Opal diffuser

Ref. **P44** Prismatic diffuser IP44

Ref. **Q44** Opal diffuser IP44

Ref. **P65** Prismatic diffuser sealed IP65

Ref. **Q65** Opal diffuser sealed IP65



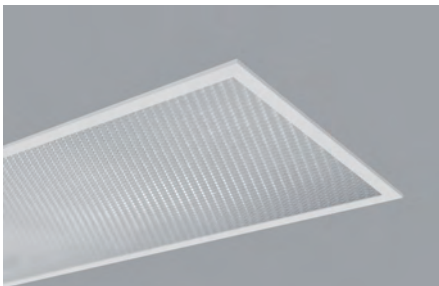
Ref. B



Ref. A



Ref. Z



Ref. P/P44/P65



Ref. Q/Q44/Q65

T8

## 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. **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.

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.



Lighting control system

## EQUIPMENT OPTIONS

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.

Technical data	Lighting control system	Lighting sensor control system
	Ref. <b>CF</b>	Ref. <b>FP</b>
Control system according to sunlight light	SI / YES	SI / YES
Movement sensor	NO	SI / YES
IR remote control	NO	SI / YES
Switching	NO	SI / YES
Maximum number of slave units	20	8
Type of ballast	BR	TD
Maximum height of set-up	4 m	3.5 m



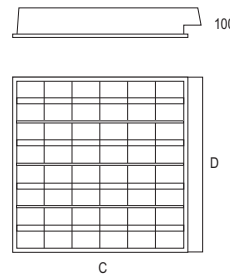
Control de flujo lumínico y presencia  
Lighting sensor control system

# VIRTUS RECESSED POLYVALENT. T8

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), with white lacquered diffusers, with low luminance (double parabolic) diffusers, with opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent lamps. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 5700°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics. In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Colours:** White. By request: Matt chrome and titanium.



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 clutches

Ref.	W	Measu.	Ceiling	TP €
906B 118 84 BE	1x18W	197 x 597	175 x 575	68,45
906B 136 84 BE	1x36W	197 x 1197	175 x 1175	79,90
906B 158 84 BE	1x58W	197 x 1497	175 x 1475	89,90
906B 218 84 BE	2x18W	297 x 597	275 x 575	77,60
906B 236 84 BE	2x36W	297 x 1197	275 x 1175	89,92
906B 258 84 BE	2x58W	297 x 1497	275 x 1475	116,48
906B 318 84 BE	3x18W	597 x 597	575 x 575	86,50
906B 336 84 BE	3x36W	597 x 1197	575 x 1175	158,82
906B 418 84 BE	4x18W	597 x 597	575 x 575	96,20
906B 436 84 BE	4x36W	597 x 1197	575 x 1175	147,90



Includes parabolic white-lacquered "v" diffuser, lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
906A 118 84 BE	1x18W	197 x 597	175 x 575	69,90
906A 136 84 BE	1x36W	197 x 1197	175 x 1175	83,92
906A 158 84 BE	1x58W	197 x 1497	175 x 1475	95,45
906A 218 84 BE	2x18W	297 x 597	275 x 575	80,41
906A 236 84 BE	2x36W	297 x 1197	275 x 1175	94,58
906A 258 84 BE	2x58W	297 x 1497	275 x 1475	119,97
906A 318 84 BE	3x18W	597 x 597	575 x 575	89,51
906A 336 84 BE	3x36W	597 x 1197	575 x 1175	165,79
906A 418 84 BE	4x18W	597 x 597	575 x 575	83,60
906A 436 84 BE	4x36W	597 x 1197	575 x 1175	166,53

Includes low brightness diffuser (double parabolic), lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
906Z 118 84 BE	1x18W	197 x 597	175 x 575	88,05
906Z 136 84 BE	1x36W	197 x 1197	175 x 1175	103,19
906Z 158 84 BE	1x58W	197 x 1497	175 x 1475	120,41
906Z 218 84 BE	2x18W	297 x 597	275 x 575	98,01
906Z 236 84 BE	2x36W	297 x 1197	275 x 1175	117,45
906Z 258 84 BE	2x58W	297 x 1497	275 x 1475	148,29
906Z 318 84 BE	3x18W	597 x 597	575 x 575	110,71
906Z 336 84 BE	3x36W	597 x 1197	575 x 1175	207,95
906Z 418 84 BE	4x18W	597 x 597	575 x 575	109,78
906Z 436 84 BE	4x36W	597 x 1197	575 x 1175	168,33

Recessed polyvalent Virtus. Lamps T8

Includes prismatic diffuser IP43, lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
906P 118 84 BE	1x18W	197 x 597	175 x 575	83,36
906P 136 84 BE	1x36W	197 x 1197	175 x 1175	115,20
906P 158 84 BE	1x58W	197 x 1497	175 x 1475	126,89
906P 218 84 BE	2x18W	297 x 597	275 x 575	92,90
906P 236 84 BE	2x36W	297 x 1197	275 x 1175	124,72
906P 258 84 BE	2x58W	297 x 1497	275 x 1475	144,59
906P 318 84 BE	3x18W	597 x 597	575 x 575	118,11
906P 336 84 BE	3x36W	597 x 1197	575 x 1175	219,71
906P 418 84 BE	4x18W	597 x 597	575 x 575	107,36
906P 436 84 BE	4x36W	597 x 1197	575 x 1175	214,76

Includes opal diffuser IP43, lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
906Q 118 84 BE	1x18W	197 x 597	175 x 575	83,68
906Q 136 84 BE	1x36W	197 x 1197	175 x 1175	115,27
906Q 158 84 BE	1x58W	197 x 1497	175 x 1475	126,95
906Q 218 84 BE	2x18W	297 x 597	275 x 575	92,96
906Q 236 84 BE	2x36W	297 x 1197	275 x 1175	124,79
906Q 258 84 BE	2x58W	297 x 1497	275 x 1475	144,99
906Q 318 84 BE	3x18W	597 x 597	575 x 575	118,17
906Q 336 84 BE	3x36W	597 x 1197	575 x 1175	221,01
906Q 418 84 BE	4x18W	597 x 597	575 x 575	107,36
906Q 436 84 BE	4x36W	597 x 1197	575 x 1175	215,90

Includes prismatic diffuser sealed IP65, lamps 84 and clutches

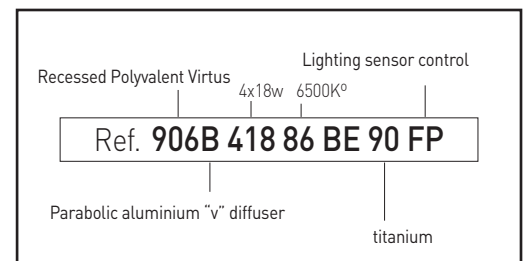
Ref.	W	Measu.	Ceilling	TP €
906P65 118 84 BE	1x18W	197 x 597	175 x 575	160,07
906P65 136 84 BE	1x36W	197 x 1197	175 x 1175	223,62
906P65 158 84 BE	1x58W	197 x 1497	175 x 1475	250,10
906P65 218 84 BE	2x18W	297 x 597	275 x 575	174,62
906P65 236 84 BE	2x36W	297 x 1197	275 x 1175	265,48
906P65 258 84 BE	2x58W	297 x 1497	275 x 1475	279,34
906P65 318 84 BE	3x18W	597 x 597	575 x 575	220,56
906P65 336 84 BE	3x36W	597 x 1197	575 x 1175	384,42
906P65 418 84 BE	4x18W	597 x 597	575 x 575	192,20
906P65 436 84 BE	4x36W	597 x 1197	575 x 1175	380,70

Includes opal diffuser sealed IP65, lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
906Q65 118 84 BE	1x18W	197 x 597	175 x 575	160,10
906Q65 136 84 BE	1x36W	197 x 1197	175 x 1175	223,65
906Q65 158 84 BE	1x58W	197 x 1497	175 x 1475	250,12
906Q65 218 84 BE	2x18W	297 x 597	275 x 575	174,65
906Q65 236 84 BE	2x36W	297 x 1197	275 x 1175	265,50
906Q65 258 84 BE	2x58W	297 x 1497	275 x 1475	279,36
906Q65 318 84 BE	3x18W	597 x 597	575 x 575	220,57
906Q65 336 84 BE	3x36W	597 x 1197	575 x 1175	384,44
906Q65 418 84 BE	4x18W	597 x 597	575 x 575	220,77
906Q65 436 84 BE	4x36W	597 x 1197	575 x 1175	380,72



Example to compose a reference with options



Recessed polyvalent Virtus. Lamps T8

OPTIONS

CRI / Colour temperature

Ref. <b>83</b>	830 / 3000°K Lamp
Ref. <b>86</b>	865 / 6500°K Lamp

Rough price increase of the finished frame

	TP €
Ref. <b>52</b> Lacquered screen matt chrome	18,00
Ref. <b>90</b> Lacquered screen titanium	18,00

Rough increase of the control gear

	1x18/36/58w	2x18/36/58w	3/4x18/36w	3/4x58w
Ref. <b>BR</b> Dimmable ballast 1-10v	68,00	80,00	90,00	150,00
Ref. <b>TD</b> Electronic ballast Touch and Dim	69,60	85,00	93,00	152,00
Ref. <b>CF</b> Lighting control system "master"	120,00	130,00	136,00	196,00
Ref. <b>FP</b> Lighting sensor control system "master"	219,00	235,00	243,00	302,00
Ref. <b>KE</b> Emergency kit	110,00			

Rough increase of accessories

Ref. <b>1213</b> Flow recuperator	12,50	25,00	35,00	52,80
Ref. <b>1215</b> SCB safety cable	5,34			
Ref. <b>1214</b> 4 clutches set	2,30			
Ref. <b>WL</b> Wieland connector	16,30			

T8



Accesorios / Accessories



Ref. **1215**  
SCB safety cable for screen.  
Standard version 1metre length.  
Made-to-measure possibility.

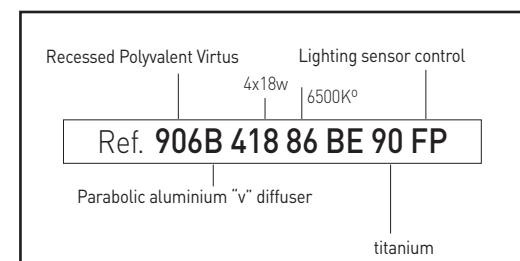


Ref. **1214**  
4 clutches set



Ref. **1213**  
Flow recuperator

Example to compose a reference with options





# VIRTUS SURFACE. T8

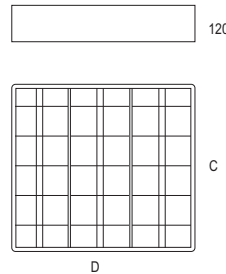
Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), with white lacquered diffusers, with low luminance (double parabolic) diffusers, with opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit. It uses fluorescent lamps. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 5700°k. Directly screw on ceiling by screws (not included).
- Lamps:** It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics. In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Installation:**
- Accessories:**
- Colours:** White. By request: Matt chrome and titanium.



prismatic diffuser



	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	Measu.	TP £
1305B 118 84 BE	1x18W	170 x 635	91,02
1305B 136 84 BE	1x36W	170 x 1230	109,44
1305B 158 84 BE	1x58W	170 x 1530	125,26
1305B 218 84 BE	2x18W	260 x 635	85,07
1305B 236 84 BE	2x36W	260 x 1230	97,82
1305B 258 84 BE	2x58W	260 x 1530	127,81
1305B 318 84 BE	3x18W	575 x 635	108,97
1305B 336 84 BE	3x36W	575 x 1230	175,77
1305B 418 84 BE	4x18W	575 x 635	113,20
1305B 436 84 BE	4x36W	575 x 1230	180,89

**Includes parabolic white-lacquered "v" diffuser and lamps 84**

Ref.	W	Measu.	TP £
1305A 118 84 BE	1x18W	170 x 635	91,55
1305A 136 84 BE	1x36W	170 x 1230	110,37
1305A 158 84 BE	1x58W	170 x 1530	126,47
1305A 218 84 BE	2x18W	260 x 635	86,64
1305A 236 84 BE	2x36W	260 x 1230	98,55
1305A 258 84 BE	2x58W	260 x 1530	129,02
1305A 318 84 BE	3x18W	575 x 635	111,17
1305A 336 84 BE	3x36W	575 x 1230	176,63
1305A 418 84 BE	4x18W	575 x 635	104,60
1305A 436 84 BE	4x36W	575 x 1230	179,04

**Includes low brightness diffuser (double parabolic) and lamps 84**

Ref.	W	Measu.	TP £
1305Z 118 84 BE	1x18W	170 x 635	109,56
1305Z 136 84 BE	1x36W	170 x 1230	130,33
1305Z 158 84 BE	1x58W	170 x 1530	148,27
1305Z 218 84 BE	2x18W	260 x 635	99,61
1305Z 236 84 BE	2x36W	260 x 1230	117,12
1305Z 258 84 BE	2x58W	260 x 1530	150,98
1305Z 318 84 BE	3x18W	575 x 635	128,40
1305Z 336 84 BE	3x36W	575 x 1230	208,82
1305Z 418 84 BE	4x18W	575 x 635	142,90
1305Z 436 84 BE	4x36W	575 x 1230	214,06

Includes prismatic diffuser IP43 and lamps 84

Ref.	W	Measu.	TP €
1305P 118 84 BE	1x18W	170 x 635	106,24
1305P 136 84 BE	1x36W	170 x 1230	141,41
1305P 158 84 BE	1x58W	170 x 1530	151,54
1305P 218 84 BE	2x18W	260 x 635	98,64
1305P 236 84 BE	2x36W	260 x 1230	143,62
1305P 258 84 BE	2x58W	260 x 1530	193,07
1305P 318 84 BE	3x18W	575 x 635	142,13
1305P 336 84 BE	3x36W	575 x 1230	240,35
1305P 418 84 BE	4x18W	575 x 635	124,40
1305P 436 84 BE	4x36W	575 x 1230	239,88

Includes opal diffuser IP43 and lamps 84

Ref.	W	Measu.	TP €
1305Q 118 84 BE	1x18W	170 x 635	107,55
1305Q 136 84 BE	1x36W	170 x 1230	142,73
1305Q 158 84 BE	1x58W	170 x 1530	153,75
1305Q 218 84 BE	2x18W	260 x 635	99,86
1305Q 236 84 BE	2x36W	260 x 1230	144,86
1305Q 258 84 BE	2x58W	260 x 1530	194,33
1305Q 318 84 BE	3x18W	575 x 635	143,46
1305Q 336 84 BE	3x36W	575 x 1230	241,49
1305Q 418 84 BE	4x18W	575 x 635	126,20
1305Q 436 84 BE	4x36W	575 x 1230	241,15

Includes prismatic diffuser IP45 and lamps 84

Ref.	W	Measu.	TP €
1305P44 118 84 BE	1x18W	170 x 635	142,31
1305P44 136 84 BE	1x36W	170 x 1230	195,99
1305P44 158 84 BE	1x58W	170 x 1530	221,60
1305P44 218 84 BE	2x18W	260 x 635	135,77
1305P44 236 84 BE	2x36W	260 x 1230	200,01
1305P44 258 84 BE	2x58W	260 x 1530	274,68
1305P44 318 84 BE	3x18W	575 x 635	193,40
1305P44 336 84 BE	3x36W	575 x 1230	320,52
1305P44 418 84 BE	4x18W	575 x 635	174,80
1305P44 436 84 BE	4x36W	575 x 1230	333,09

Includes opal diffuser IP54 and lamps 84

Ref.	W	Measu.	TP €
1305Q44 118 84 BE	1x18W	170 x 635	142,41
1305Q44 136 84 BE	1x36W	170 x 1230	196,03
1305Q44 158 84 BE	1x58W	170 x 1530	221,65
1305Q44 218 84 BE	2x18W	260 x 635	135,79
1305Q44 236 84 BE	2x36W	260 x 1230	200,03
1305Q44 258 84 BE	2x58W	260 x 1530	261,67
1305Q44 318 84 BE	3x18W	575 x 635	193,50
1305Q44 336 84 BE	3x36W	575 x 1230	320,55
1305Q44 418 84 BE	4x18W	575 x 635	168,80
1305Q44 436 84 BE	4x36W	575 x 1230	317,25

Includes prismatic diffuser sealed IP65 and lamps 84

Ref.	W	Measu.	TP €
1305P65 118 84 BE	1x18W	170 x 635	186,95
1305P65 136 84 BE	1x36W	170 x 1230	257,67
1305P65 158 84 BE	1x58W	170 x 1530	290,35
1305P65 218 84 BE	2x18W	260 x 635	183,44
1305P65 236 84 BE	2x36W	260 x 1230	292,03
1305P65 258 84 BE	2x58W	260 x 1530	337,78
1305P65 318 84 BE	3x18W	575 x 635	254,13
1305P65 336 84 BE	3x36W	575 x 1230	415,84
1305P65 418 84 BE	4x18W	575 x 635	218,20
1305P65 436 84 BE	4x36W	575 x 1230	351,91

Includes opal diffuser sealed IP65 and lamps 84

Ref.	W	Measu.	TP €
1305Q65 118 84 BE	1x18W	170 x 635	187,11
1305Q65 136 84 BE	1x36W	170 x 1230	257,80
1305Q65 158 84 BE	1x58W	170 x 1530	290,49
1305Q65 218 84 BE	2x18W	260 x 635	183,56
1305Q65 236 84 BE	2x36W	260 x 1230	292,06
1305Q65 258 84 BE	2x58W	260 x 1530	337,83
1305Q65 318 84 BE	3x18W	575 x 635	254,17
1305Q65 336 84 BE	3x36W	575 x 1230	415,87
1305Q65 418 84 BE	4x18W	575 x 635	218,18
1305Q65 436 84 BE	4x36W	575 x 1230	415,38

OPTIONS

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 4500°K Lamp

Rough price increase of the finished frame

	TP €
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	3/4x18/36w	3/4x58w
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	52,80
Ref. 1211 Suspension kit	26,80			
Ref. WL Wieland connector	16,30			

Accesorios / Accessories

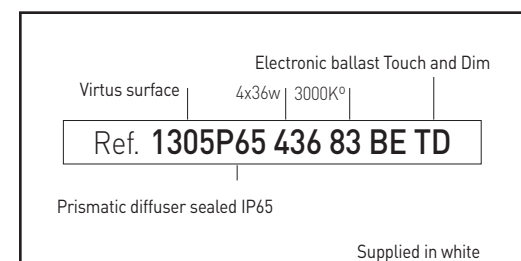


Ref. 1211  
Suspension kit. Standard version  
1metre length. Made-to-measure  
possibility



Ref. 1213  
Flow recuperator

Example to compose a reference with options





NO USAR EL ASCENSOR  
EN CASO DE INCENDIO

Con el  
de Colo  
Recto h  
que cu  
en salu

## APPLICATIONS FOR FLUORESCENCE

**Chromatic reproduction index (CRI 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

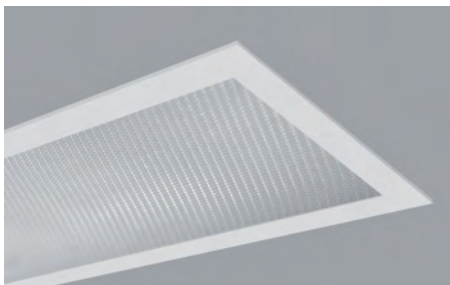
Ref. **Q** Opal diffuser

Ref. **P44** Prismatic diffuser IP44

Ref. **Q44** Opal diffuser IP44

Ref. **P65** Prismatic diffuser sealed IP65

Ref. **Q65** Opal diffuser sealed IP65

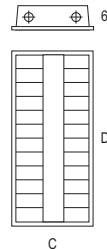
Ref. **B**Ref. **A**Ref. **Z**Ref. **P/P44/P65**Ref. **Q/Q44/Q65**

# ENERFI RECESSED POLYVALENT. 2 T5 LAMPS

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), with white lacquered diffusers, with low luminance (double parabolic) diffusers, with opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics. In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Colours:** White. By request: Matt chrome and titanium.



w	C	D	∠
2x14	297	610	275x575
2x24	297	610	275x575
2x28	297	1210	275x1175
2x54	297	1210	275x1175
2x35	297	1495	275x1475
2x49	297	1495	275x1475
2x80	297	1495	275x1475

Includes parabolic brightness aluminium "v" diffuser, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226 84	2x14W	297 x 610	275 x 575	129.20
1227 84	2x24W	297 x 610	275 x 575	129.20
1228 84	2x28W	297 x 1210	275 x 1175	154.19
1229 84	2x35W	297 x 1495	275 x 1475	205.48
1230 84	2x49W	297 x 1495	275 x 1475	205.48
1231 84	2x54W	297 x 1210	275 x 1175	154.19
1232 84	2x80W	297 x 1495	275 x 1475	231.38

Includes low brightness diffuser (double parabolic), 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226Z 84	2x14W	297 x 610	275 x 575	156.09
1227Z 84	2x24W	297 x 610	275 x 575	156.09
1228Z 84	2x28W	297 x 1210	275 x 1175	187.61
1229Z 84	2x35W	297 x 1495	275 x 1475	248.86
1230Z 84	2x49W	297 x 1495	275 x 1475	248.86
1231Z 84	2x54W	297 x 1210	275 x 1175	187.61
1232Z 84	2x80W	297 x 1495	275 x 1475	281.74

Includes prismatic diffuser IP43, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226P 84	2x14W	297 x 610	275 x 575	152.29
1227P 84	2x24W	297 x 610	275 x 575	152.29
1228P 84	2x28W	297 x 1210	275 x 1175	221.71
1229P 84	2x35W	297 x 1495	275 x 1475	287.65
1230P 84	2x49W	297 x 1495	275 x 1475	287.65
1231P 84	2x54W	297 x 1210	275 x 1175	221.71
1232P 84	2x80W	297 x 1495	275 x 1475	312.56

Includes opal diffuser IP43, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226Q 84	2x14W	297 x 610	275 x 575	153.58
1227Q 84	2x24W	297 x 610	275 x 575	153.58
1228Q 84	2x28W	297 x 1210	275 x 1175	222.40
1229Q 84	2x35W	297 x 1495	275 x 1475	288.10
1230Q 84	2x49W	297 x 1495	275 x 1475	288.10
1231Q 84	2x54W	297 x 1210	275 x 1175	222.40
1232Q 84	2x80W	297 x 1495	275 x 1475	313.81

Includes prismatic diffuser IP54, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226P44 84	2x14W	297 x 610	275 x 575	223.38
1227P44 84	2x24W	297 x 610	275 x 575	223.38
1228P44 84	2x28W	297 x 1210	275 x 1175	311.09
1229P44 84	2x35W	297 x 1495	275 x 1475	404.25
1230P44 84	2x49W	297 x 1495	275 x 1475	404.25
1231P44 84	2x54W	297 x 1210	275 x 1175	311.09
1232P44 84	2x80W	297 x 1495	275 x 1475	427.48

Includes opal diffuser IP54, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226Q44 84	2x14W	297 x 610	275 x 575	227.06
1227Q44 84	2x24W	297 x 610	275 x 575	227.06
1228Q44 84	2x28W	297 x 1210	275 x 1175	316.24
1229Q44 84	2x35W	297 x 1495	275 x 1475	411.31
1230Q44 84	2x49W	297 x 1495	275 x 1475	411.31
1231Q44 84	2x54W	297 x 1210	275 x 1175	325.65
1232Q44 84	2x80W	297 x 1495	275 x 1475	435.14

Includes prismatic diffuser sealed IP65, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226P65 84	2x14W	297 x 610	275 x 575	305.24
1227P65 84	2x24W	297 x 610	275 x 575	305.24
1228P65 84	2x28W	297 x 1210	275 x 1175	412.89
1229P65 84	2x35W	297 x 1510	275 x 1475	507.82
1230P65 84	2x49W	297 x 1495	275 x 1475	507.82
1231P65 84	2x54W	297 x 1210	275 x 1175	412.89
1232P65 84	2x80W	297 x 1495	275 x 1475	516.24

Includes opal diffuser sealed IP65, 2 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1226Q65 84	2x14W	297 x 610	275 x 575	309.44
1227Q65 84	2x24W	297 x 610	275 x 575	309.44
1228Q65 84	2x28W	297 x 1210	275 x 1175	412.94
1229Q65 84	2x35W	297 x 1495	275 x 1475	509.94
1230Q65 84	2x49W	297 x 1495	275 x 1475	509.94
1231Q65 84	2x54W	297 x 1210	275 x 1175	412.94
1232Q65 84	2x80W	297 x 1495	275 x 1475	516.37

OPTIONS

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

	TP €
Ref. 52 Lacquered screen matt chrome	18,00
Ref. 90 Lacquered screen titanium	18,00

Rough increase of the control gear

	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	110,00

Rough increase of accessories

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 1metre length. Made-to-measure possibility.

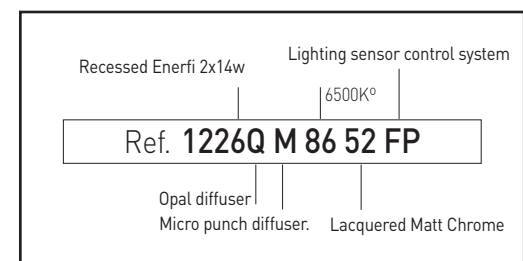


Ref. 1214 4 clutches set.



Ref. 1213 Flow recuperator.

Example to compose a reference with options

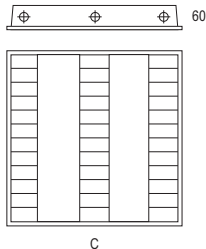


# ENERFI RECESSED POLYVALENT. 3 T5 LAMPS

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), with white lacquered diffusers, with low luminance (double parabolic) diffusers, with opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics. In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Colours:** White. By request: Matt chrome and titanium.



w	C	D	A
3x14	610	610	575x575
3x24	610	610	575x575
3x28	610	1210	575x1175
3x54	610	1210	575x1175



Includes parabolic brightness aluminium "v" diffuser, 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1233 84	3x14W	610 x 610	575 x 575	153.01
1234 84	3x24W	610 x 610	575 x 575	153.26
1235 84	3x28W	610 x 1210	575 x 1175	197.69
1236 84	3x54W	610 x 1210	575 x 1175	197.69



Prismatic diffuser

Includes low brightness diffuser (double parabolic), 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP €
1233Z 84	3x14W	610 x 610	575 x 575	183.11
1234Z 84	3x24W	610 x 610	575 x 575	183.11
1235Z 84	3x28W	610 x 1210	575 x 1175	227.24
1236Z 84	3x54W	610 x 1210	575 x 1175	227.24



Opal diffuser

Includes prismatic diffuser IP43, 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1233P 84	3x14W	610 x 610	575 x 575	192.20
1234P 84	3x24W	610 x 610	575 x 575	192.33
1235P 84	3x28W	610 x 1210	575 x 1175	265.01
1236P 84	3x54W	610 x 1210	575 x 1175	265.01

Includes opal diffuser IP43, 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1233Q 84	3x14W	610 x 610	575 x 575	194.44
1234Q 84	3x24W	610 x 610	575 x 575	194.77
1235Q 84	3x28W	610 x 1210	575 x 1175	266.48
1236Q 84	3x54W	610 x 1210	575 x 1175	266.48

Includes prismatic diffuser IP54, 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1233P44 84	3x14W	610 x 610	575 x 575	255.27
1234P44 84	3x24W	610 x 610	575 x 575	255.47
1235P44 84	3x28W	610 x 1210	575 x 1175	349.41
1236P44 84	3x54W	610 x 1210	575 x 1175	349.41

Includes opal diffuser IP54, 3 T5 lamps 84 and clutches

Ref.	W	Med. / Measu.	Ceilling	TP €
1233Q44 84	3x14W	610 x 610	575 x 575	256.50
1234Q44 84	3x24W	610 x 610	575 x 575	256.60
1235Q44 84	3x28W	610 x 1210	575 x 1175	358.78
1236Q44 84	3x54W	610 x 1210	575 x 1175	358.78

Includes prismatic diffuser sealed IP65, 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1233P65 84	3x14W	610 x 610	575 x 575	346.68
1234P65 84	3x24W	610 x 610	575 x 575	347.14
1235P65 84	3x28W	610 x 1210	575 x 1175	486.91
1236P65 84	3x54W	610 x 1210	575 x 1175	486.91

Includes opal diffuser sealed IP65, 3 T5 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1233Q65 84	3x14W	610 x 610	575 x 575	346.86
1234Q65 84	3x24W	610 x 610	575 x 575	347.16
1235Q65 84	3x28W	610 x 1210	575 x 1175	486.94
1236Q65 84	3x54W	610 x 1210	575 x 1175	486.94

OPTIONS

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame	TP €
Ref. 52 Lacquered screen matt chrome	18,00
Ref. 90 Lacquered screen titanium	18,00

Rough increase of the control gear	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	110,00

Rough increase of accessories	
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

Accessories



Ref. 1215  
SCB safety cable for screen.  
Standard version 1 metre length.  
Made-to-measure possibility.

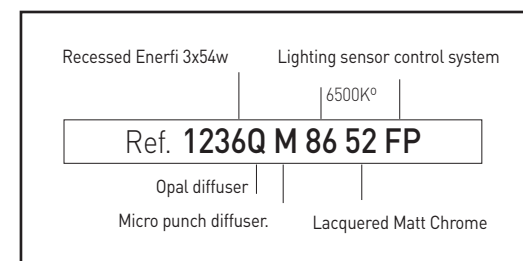


Ref. 1214  
4 clutches set.



Ref. 1213  
Flow recuperator.

Example to compose a reference with options



Ref. L  
Customised logo printed in four colour process.



Ref. M  
Micro punch diffuser.

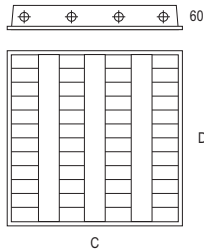


# ENERFI RECESSED POLYVALENT. 4 T5 LAMPS

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), with white lacquered diffusers, with low luminance (double parabolic) diffusers, with opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics. In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Colours:** White. By request: Matt chrome and titanium.



w	C	D	∠
4x14	610	610	575x575
4x24	610	610	575x575
4x28	610	1210	575x1175
4x54	610	1210	575x1175



Includes parabolic brightness aluminium "v" diffuser, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP £
1237 84	4x14W	610 x 610	575 x 575	163.08
1238 84	4x24W	610 x 610	575 x 575	163.08
1239 84	4x28W	610 x 1210	575 x 1175	229.49
1240 84	4x54W	610 x 1210	575 x 1175	229.49



Difusor prismático  
Prismatic diffuser

Includes low brightness diffuser (double parabolic), 4 lamps 84 and clutches

Ref.	W	Measu.	Ceiling	TP £
1237Z 84	4x14W	610 x 610	575 x 575	194.75
1238Z 84	4x24W	610 x 610	575 x 575	194.75
1239Z 84	4x28W	610 x 1210	575 x 1175	247.59
1240Z 84	4x54W	610 x 1210	575 x 1175	247.59



Difusor opal  
Opal diffuser

Includes prismatic diffuser IP43, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1237P 84	4x14W	610 x 610	575 x 575	182.36
1238P 84	4x24W	610 x 610	575 x 575	182.36
1239P 84	4x28W	610 x 1210	575 x 1175	268.43
1240P 84	4x54W	610 x 1210	575 x 1175	268.43

Includes opal diffuser IP43, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1237Q 84	4x14W	610 x 610	575 x 575	183.77
1238Q 84	4x24W	610 x 610	575 x 575	183.77
1239Q 84	4x28W	610 x 1210	575 x 1175	270.48
1240Q 84	4x54W	610 x 1210	575 x 1175	270.48

Includes prismatic diffuser IP54, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1237P44 84	4x14W	610 x 610	575 x 575	241.00
1238P44 84	4x24W	610 x 610	575 x 575	241.00
1239P44 84	4x28W	610 x 1210	575 x 1175	354.76
1240P44 84	4x54W	610 x 1210	575 x 1175	354.76

Includes opal diffuser IP54, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1237Q44 84	4x14W	610 x 610	575 x 575	257.78
1238Q44 84	4x24W	610 x 610	575 x 575	257.78
1239Q44 84	4x28W	610 x 1210	575 x 1175	356.92
1240Q44 84	4x54W	610 x 1210	575 x 1175	356.92

Includes prismatic diffuser sealed IP65, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1237P65 84	4x14W	610 x 610	575 x 575	348.99
1238P65 84	4x24W	610 x 610	575 x 575	348.99
1239P65 84	4x28W	610 x 1210	575 x 1175	484.34
1240P65 84	4x54W	610 x 1210	575 x 1175	484.34

Includes opal diffuser sealed IP65, 4 lamps 84 and clutches

Ref.	W	Measu.	Ceilling	TP €
1237Q65 84	4x14W	610 x 610	575 x 575	349.09
1238Q65 84	4x24W	610 x 610	575 x 575	349.09
1239Q65 84	4x28W	610 x 1210	575 x 1175	484.44
1240Q65 84	4x54W	610 x 1210	575 x 1175	484.44

OPTIONS

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 5700°K Lamp

Rough price increase of the finished frame

	TP €
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	110,00

Rough increase of accessories

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	



Ref. L  
Customised logo printed in four colour process.



Ref. M  
Micro punch diffuser.

Accesorios / Accessories



Ref. 1215  
SCB safety cable for screen.  
Standard version 1metre length.  
Made-to-measure possibility.

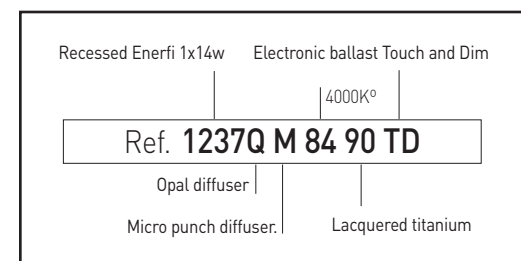


Ref. 1214  
4 clutches set.



Ref. 1213  
Flow recuperator.

Example to compose a reference with options



# ENERFI SURFACE. 1 T5 LAMPS

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), and low luminance (double parabolic). Micro perforated diffuser body. Opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers. Both of them can be supplied with IP44 or IP65 protection.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics.
- Colours:** White. By request: Matt chrome and titanium.

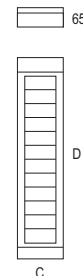


Includes parabolic brightness aluminium "v" diffuser and 1 lamp 84

Ref.	W	Measu.	TP €
1278 84	1x14W	160 x 600	77,96
1279 84	1x24W	160 x 600	78,84
1280 84	1x28W	160 x 1200	89,86
1281 84	1x35W	160 x 1500	138,06
1282 84	1x49W	160 x 1500	138,06
1283 84	1x54W	160 x 1200	116,46
1284 84	1x80W	160 x 1500	151,85

Includes low brightness diffuser (double parabolic) and 1 lamp 84

Ref.	W	Measu.	TP €
1278Z 84	1x14W	160 x 600	102,03
1279Z 84	1x24W	160 x 600	102,03
1280Z 84	1x28W	160 x 1200	116,23
1281Z 84	1x35W	160 x 1500	175,27
1282Z 84	1x49W	160 x 1500	175,27
1283Z 84	1x54W	160 x 1200	151,24
1284Z 84	1x80W	160 x 1500	197,86



w	C	D
1x14	160	600
1x24	160	600
1x28	160	1200
1x54	160	1200
1x35	160	1500
1x49	160	1500
1x80	160	1500

Includes prismatic diffuser IP43 and 1 lamp 84

Ref.	W	Measu.	TP €
1278P 84	1x14W	160 x 600	95,76
1279P 84	1x24W	160 x 600	96,05
1280P 84	1x28W	160 x 1200	131,76
1281P 84	1x35W	160 x 1500	179,72
1282P 84	1x49W	160 x 1500	179,72
1283P 84	1x54W	160 x 1200	157,35
1284P 84	1x80W	160 x 1500	189,62

Includes opal diffuser IP43 and 1 lamp 84

Ref.	W	Measu.	TP €
1278Q 84	1x14W	160 x 600	97,47
1279Q 84	1x24W	160 x 600	98,45
1280Q 84	1x28W	160 x 1200	133,83
1281Q 84	1x35W	160 x 1500	181,64
1282Q 84	1x49W	160 x 1500	181,64
1283Q 84	1x54W	160 x 1200	159,56
1284Q 84	1x80W	160 x 1500	189,84

Includes prismatic diffuser IP54 and 1 lamp 84

Ref.	W	Measu.	TP €
1278P44 84	1x14W	160 x 600	136,65
1279P44 84	1x24W	160 x 600	135,09
1280P44 84	1x28W	160 x 1200	187,75
1281P44 84	1x35W	160 x 1500	255,94
1282P44 84	1x49W	160 x 1500	255,94
1283P44 84	1x54W	160 x 1200	219,71
1284P44 84	1x80W	160 x 1500	264,95

Includes opal diffuser IP54 and 1 lamp 84

Ref.	W	Measu.	TP €
1278Q44 84	1x14W	160 x 600	136,36
1279Q44 84	1x24W	160 x 600	136,02
1280Q44 84	1x28W	160 x 1200	186,99
1281Q44 84	1x35W	160 x 1500	254,79
1282Q44 84	1x49W	160 x 1500	254,79
1283Q44 84	1x54W	160 x 1200	220,59
1284Q44 84	1x80W	160 x 1500	266,17

Includes prismatic diffuser sealed IP65 and 1 lamp 84

Ref.	W	Measu.	TP €
1278P65 84	1x14W	160 x 600	186,39
1279P65 84	1x24W	160 x 600	186,96
1280P65 84	1x28W	160 x 1200	169,95
1281P65 84	1x35W	160 x 1500	344,20
1282P65 84	1x49W	160 x 1500	344,20
1283P65 84	1x54W	160 x 1200	292,71
1284P65 84	1x80W	160 x 1500	352,64

Includes opal diffuser sealed IP65 and 1 lamp 84

Ref.	W	Measu.	TP €
1278Q65 84	1x14W	160 x 600	188,21
1279Q65 84	1x24W	160 x 600	188,68
1280Q65 84	1x28W	160 x 1200	255,50
1281Q65 84	1x35W	160 x 1500	344,73
1282Q65 84	1x49W	160 x 1500	344,73
1283Q65 84	1x54W	160 x 1200	293,76
1284Q65 84	1x80W	160 x 1500	353,57



OPTIONS

CRI / 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

Ref. BR	Dimmable ballast 1-10v	1 lamp 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. 1211	Suspension kit	26,80
Ref. WL	Wieland connector	16,30

Accessories

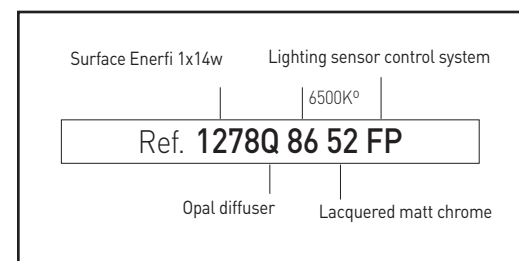


Ref. 1213  
Flow recuperator.



Ref. 1211  
Suspension kit.  
Standard version 1metre length.  
Made-to-measure possibility.

Example to compose a reference with options



# ENERFI SURFACE. 2 T5 LAMPS

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), and low luminance (double parabolic). Micro perforated diffuser body. Opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers. Both of them can be supplied with IP44 or IP65 protection.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics.
- Colours:** White. By request: Matt chrome and titanium.

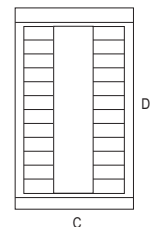


Includes parabolic brightness aluminium "v" diffuser and 2 lamps 84

Ref.	W	Measu.	TP €
1241 84	2x14W	330 x 600	123,44
1242 84	2x24W	330 x 600	123,44
1243 84	2x28W	330 x 1200	142,25
1244 84	2x35W	330 x 1500	219,14
1245 84	2x49W	330 x 1500	219,14
1246 84	2x54W	330 x 1200	184,91
1247 84	2x80W	330 x 1500	240,71

Includes low brightness diffuser (double parabolic) and 2 lamps 84

Ref.	W	Measu.	TP €
1241Z 84	2x14W	330 x 600	161,83
1242Z 84	2x24W	330 x 600	161,83
1243Z 84	2x28W	330 x 1200	181,42
1244Z 84	2x35W	330 x 1500	277,56
1245Z 84	2x49W	330 x 1500	277,56
1246Z 84	2x54W	330 x 1200	238,62



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 prismatic diffuser IP43 and 2 lamps 84

Ref.	W	Measu.	TP €
1241P 84	2x14W	330 x 600	152,06
1242P 84	2x24W	330 x 600	152,06
1243P 84	2x28W	330 x 1200	209,15
1244P 84	2x35W	330 x 1500	284,44
1245P 84	2x49W	330 x 1500	287,26
1246P 84	2x54W	330 x 1200	249,66
1247P 84	2x80W	330 x 1500	299,68

Includes opal diffuser IP43 and 2 lamps 84

Ref.	W	Measu.	TP €
1241Q 84	2x14W	330 x 600	153,18
1242Q 84	2x24W	330 x 600	153,18
1243Q 84	2x28W	330 x 1200	210,18
1244Q 84	2x35W	330 x 1500	285,92
1245Q 84	2x49W	330 x 1500	285,92
1246Q 84	2x54W	330 x 1200	249,95
1247Q 84	2x80W	330 x 1500	299,86

Includes prismatic diffuser IP54 and 2 lamps 84

Ref.	W	Measu.	TP €
1241P44 84	2x14W	330 x 600	225,18
1242P44 84	2x24W	330 x 600	225,15
1243P44 84	2x28W	330 x 1200	310,66
1244P44 84	2x35W	330 x 1500	420,85
1245P44 84	2x49W	330 x 1500	420,85
1246P44 84	2x54W	330 x 1200	365,71
1247P44 84	2x80W	330 x 1500	440,32

Includes opal diffuser IP54 and 2 lamps 84

Ref.	W	Measu.	TP €
1241Q44 84	2x14W	330 x 600	227,20
1242Q44 84	2x24W	330 x 600	227,20
1243Q44 84	2x28W	330 x 1200	311,94
1244Q44 84	2x35W	330 x 1500	422,90
1245Q44 84	2x49W	330 x 1500	422,90
1246Q44 84	2x54W	330 x 1200	367,32
1247Q44 84	2x80W	330 x 1500	442,28

Includes prismatic diffuser sealed IP65 and 2 lamps 84

Ref.	W	Measu.	TP €
1241P65 84	2x14W	330 x 600	309,98
1242P65 84	2x24W	330 x 600	309,98
1243P65 84	2x28W	330 x 1200	423,10
1244P65 84	2x35W	330 x 1500	572,22
1245P65 84	2x49W	330 x 1500	572,22
1246P65 84	2x54W	330 x 1200	487,38
1247P65 84	2x80W	330 x 1500	585,23

Includes opal diffuser sealed IP65 and 2 lamps 84

Ref.	W	Measu.	TP €
1241Q65 84	2x14W	330 x 600	311,25
1242Q65 84	2x24W	330 x 600	311,25
1243Q65 84	2x28W	330 x 1200	425,24
1244Q65 84	2x35W	330 x 1500	573,49
1245Q65 84	2x49W	330 x 1500	573,49
1246Q65 84	2x54W	330 x 1200	488,85
1247Q65 84	2x80W	330 x 1500	586,31

OPTIONS

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

	TP €
Ref. 52 Lacquered screen matt chrome	18,00
Ref. 90 Lacquered screen titanium	18,00

Rough increase of the control gear

	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. 1213 low 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

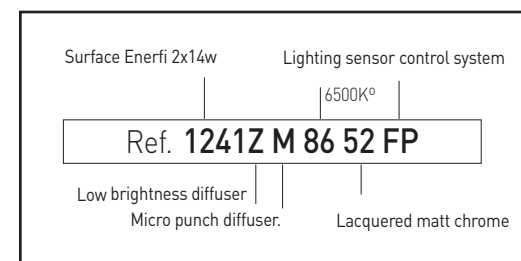


Ref. 1213  
Flow recuperator.



Ref. 1211  
Suspension kit.  
Standard version 1metre length.  
Made-to-measure possibility.

Example to compose a reference with options



# ENERFI SURFACE. 3 T5 LAMPS

Protection degree IP20 - IP44 - IP65

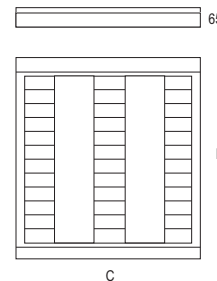


- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), and low luminance (double parabolic). Micro perforated diffuser body. Opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers. Both of them can be supplied with IP44 or IP65 protection.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics.
- Colours:** White. By request: Matt chrome and titanium.



Includes parabolic brightness aluminium "v" diffuser and 3 lamps 84

Ref.	W	Measu.	TP €
1248 84	3x14W	630 x 600	154,25
1249 84	3x24W	630 x 600	154,46
1250 84	3x28W	630 x 1200	200,80
1251 84	3x54W	630 x 1200	200,80



w	C	D
3x14	630	600
3x24	630	600
3x28	630	1200
3x54	630	1200

Includes low brightness diffuser (double parabolic) and 3 lamps 84

Ref.	W	Med. / Measu.	TP €
1248Z 84	3x14W	630 x 600	202,73
1249Z 84	3x24W	630 x 600	202,73
1250Z 84	3x28W	630 x 1200	263,24
1251Z 84	3x54W	630 x 1200	263,24

Includes prismatic diffuser IP43 and 3 lamps 84

Ref.	W	Measu.	€
1248P 84	3x14W	630 x 600	197,33
1249P 84	3x24W	630 x 600	197,33
1250P 84	3x28W	630 x 1200	278,02
1251P 84	3x54W	630 x 1200	278,02

Includes opal diffuser IP43 and 3 lamps 84

Ref.	W	Measu.	€
1248Q 84	3x14W	630 x 600	197,43
1249Q 84	3x24W	630 x 600	197,43
1250Q 84	3x28W	630 x 1200	278,12
1251Q 84	3x54W	630 x 1200	278,12

Includes prismatic diffuser IP54 and 3 lamps 84

Ref.	W	Measu.	€
1248P44 84	3x14W	630 x 600	276,42
1249P44 84	3x24W	630 x 600	276,42
1250P44 84	3x28W	630 x 1200	387,60
1251P44 84	3x54W	630 x 1200	387,60

Includes opal diffuser IP54 and 3 lamps 84

Ref.	W	Measu.	€
1248Q44 84	3x14W	630 x 600	264,09
1249Q44 84	3x24W	630 x 600	264,09
1250Q44 84	3x28W	630 x 1200	369,13
1251Q44 84	3x54W	630 x 1200	369,13

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

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

	TP €
Ref. 52 Lacquered screen matt chrome	18,00
Ref. 90 Lacquered screen titanium	18,00

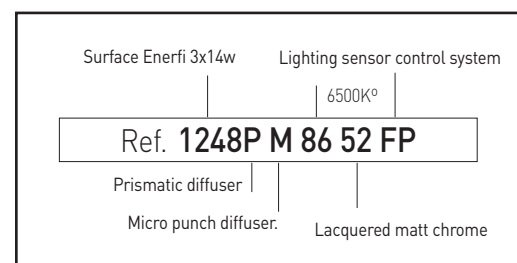
Rough increase of the control gear

	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	110,00

Rough increase of accessories

Ref. 1213 Low recuperator	28,00	50,00
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	

Example to compose a reference with options





# ENERFI SURFACE. 4 T5 LAMPS

Protection degree IP20 - IP44 - IP65



- Material:** Body made in thermo painted steel sheet.
- Optics:** It can be supplied with parabolic shaped louvred aluminium diffuser ("v"), and low luminance (double parabolic). Micro perforated diffuser body. Opal polycarbonate finish diffusers, or with prismatic polycarbonate surface diffusers. Both of them can be supplied with IP44 or IP65 protection.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** There is the possibility of customize the luminaire with the company logo printed in four colors over the blind diffuser. It can be supplied with flow recuperator that improves the luminance performance, specially when it is used with opal or prismatic optics.
- Colours:** White. By request: Matt chrome and titanium.

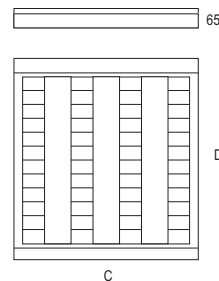


Includes parabolic brightness aluminium "v" diffuser and 4 lamps 84

Ref.	W	Measu.	TP €
1252 84	4x14W	630 x 600	152,71
1253 84	4x24W	630 x 600	163,26
1254 84	4x28W	630 x 1200	242,70
1255 84	4x54W	630 x 1200	242,70

Includes difusor baja luminancia (double parabolic) and 4 lamps 84

Ref.	W	Measu.	TP €
1252Z 84	4x14W	630 x 600	217,60
1253Z 84	4x24W	630 x 600	217,60
1254Z 84	4x28W	630 x 1200	318,64
1255Z 84	4x54W	630 x 1200	318,64



w	C	D
4x14	630	600
4x24	630	600
4x28	630	1200
4x54	630	1200

Includes prismatic IP43 diffuser and 4 lamps 84

Ref.	W	Med. / Measu.	€
1252P 84	4x14W	630 x 600	207,43
1253P 84	4x24W	630 x 600	207,43
1254P 84	4x28W	630 x 1200	326,45
1255P 84	4x54W	630 x 1200	326,45

Includes opal diffuser IP43 and 4 lamps 84

Ref.	W	Med. / Measu.	€
1252Q 84	4x14W	630 x 600	207,45
1253Q 84	4x24W	630 x 600	207,45
1254Q 84	4x28W	630 x 1200	326,49
1255Q 84	4x54W	630 x 1200	326,49

Includes prismatic IP54 diffuser and 4 lamps 84

Ref.	W	Med. / Measu.	€
1252P44 84	4x14W	630 x 600	287,57
1253P44 84	4x24W	630 x 600	287,57
1254P44 84	4x28W	630 x 1200	452,94
1255P44 84	4x54W	630 x 1200	452,94

Includes opal diffuser IP54 and 4 lamps 84

Ref.	W	Med. / Measu.	€
1252Q44 84	4x14W	630 x 600	287,59
1253Q44 84	4x24W	630 x 600	287,59
1254Q44 84	4x28W	630 x 1200	452,96
1255Q44 84	4x54W	630 x 1200	452,96

Includes prismatic diffuser sealed IP65 and 4 lamps 84

Ref.	W	Med. / Measu.	€
1252P65 84	4x14W	630 x 600	391,15
1253P65 84	4x24W	630 x 600	391,15
1254P65 84	4x28W	630 x 1200	615,82
1255P65 84	4x54W	630 x 1200	615,82

Includes opal diffuser sealed IP65 and 4 lamps 84

Ref.	W	Med. / Measu.	€
1252Q65 84	4x14W	630 x 600	391,20
1253Q65 84	4x24W	630 x 600	391,20
1254Q65 84	4x28W	630 x 1200	615,87
1255Q65 84	4x54W	630 x 1200	615,87

OPTIONS

CRI / Colour temperature

Ref. 83	830 / 3000°K Lamp
Ref. 86	865 / 6500°K Lamp

Rough price increase of the finished frame

	TP €
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	110,00

Rough increase of accessories

Ref. 1213 Flow recuperator	30,00	52,00
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 co-  
lour process.

Accessories

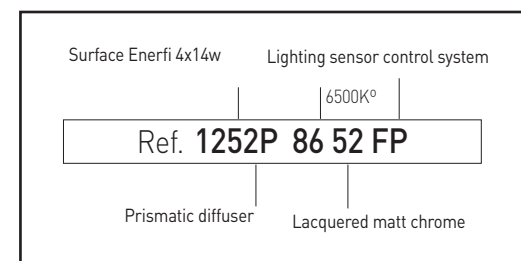


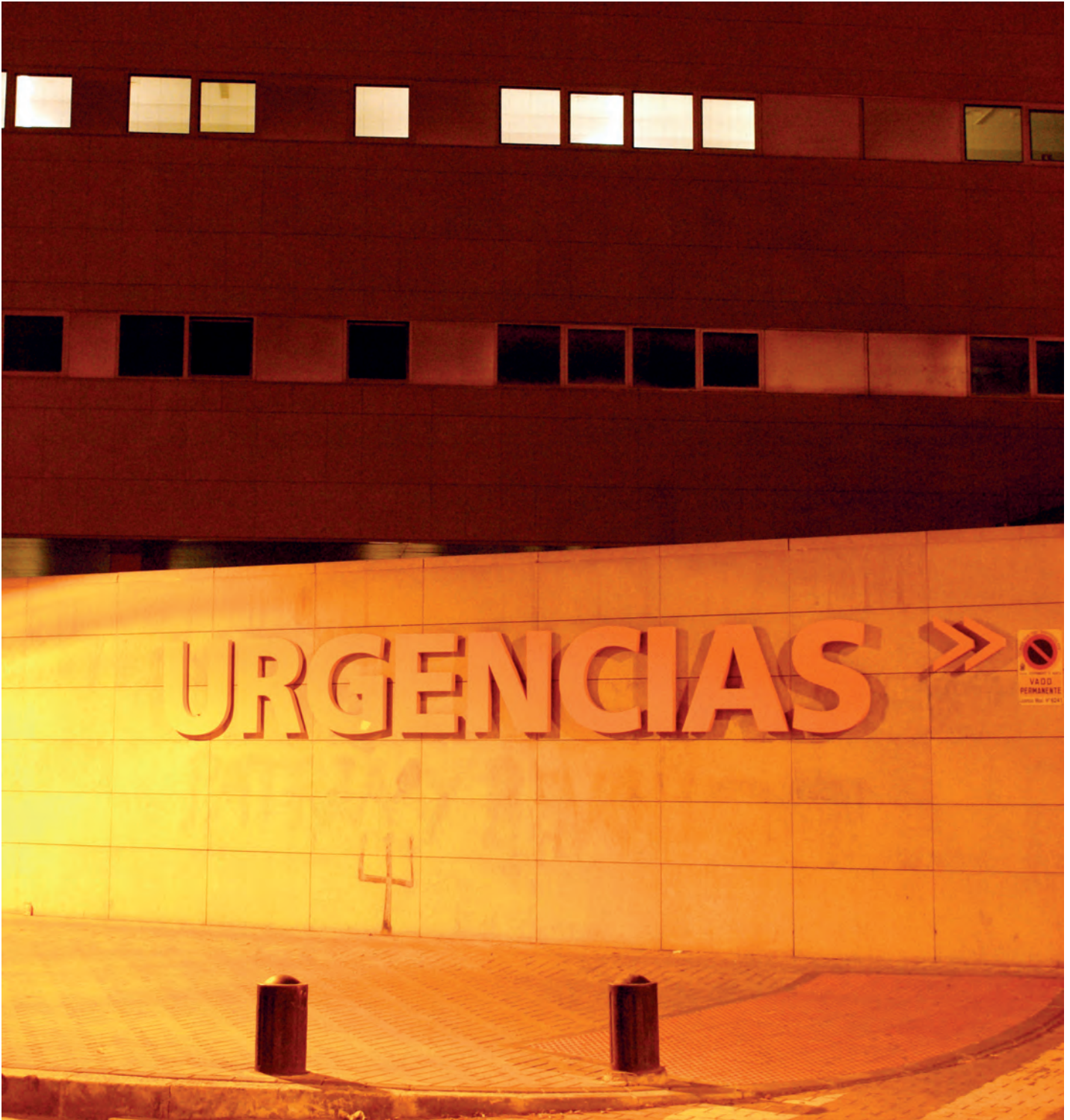
Ref. 1213  
Flow recuperator.



Ref. 1211  
Suspension kit.  
Standard version 1metre length.  
Made-to-measure possibility.

Example to compose a reference with options



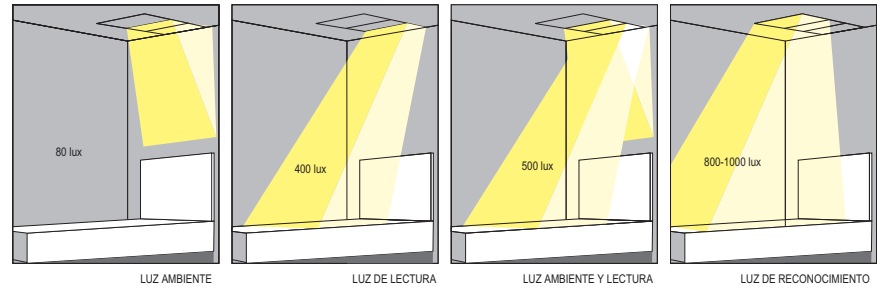


# COMBIRTUS

Protection degree IP20



- Material:** Body made in thermo painted steel sheet.
- Optics:** Three asymmetric high performance reflectors made in semi-matt aluminium different for each task.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** Compose by modules LEDs Osram Duris E5 with total power of 1x20w and 2x25w.
- Installation:** Recessed for removable visible profile ceilings, hidden profiles, smooth plaster and metallic ceilings.
- Accessories:** In case of building over hidden profile, metallic or smooth plastic ceiling, it is necessary the use of clutches. It is also supplied with safety SCB tensor for recessed screens.
- Colours:** White. By request: Matt chrome and titanium.



LUZ AMBIENTE

LUZ DE LECTURA

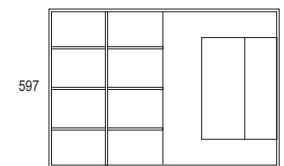
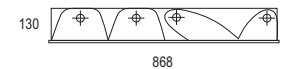
LUZ AMBIENTE Y LECTURA

LUZ DE RECONOCIMIENTO

Includes electronic ballast and 4 PL-L lamps and clutches

Ref.	Colour	Lamp	W(Environment)	W (Reading)	W(Recognition)	TP €
3136 01 3655 L	White	LED	1x20w	1x20w	2x25w	277,50

\* Standardly supplied with 5700° K LED.



## OPTIONS

### CRI / Colour temperature

Ref. 83	Lamp LED	3000°K
Ref. 84	Lamp LED	4000°K
Ref. 85	Lamp LED	5700°K

### Rough price increase of the finished frame

Ref.	Description	TP €
Ref. 52	Lacquered screen matt chrome	18.00
Ref. 90	Lacquered screen titanium	18.00

### 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

## Accesorios / Accessories



Ref. 1215  
SCB safety cable for screen.  
Standard version 1metre length.



Ref. 1214  
4 clutches set.

# KLOSS WATERPROOF SCREEN

Protection degree IP65. Impact protection IK09



- Material:** Body made in polycarbonate
- Optics:** Polycarbonate opal diffuser with UV protection that provides a homogeneous light over the entire surface.
- Supply:** All models include high power factor drivers. Optionally supplied with Dimmable 1-10V Driver , Dali Dimmable Driver, light control output / and LEDs emergency kit 1h or 3h .
- Lamps:** PCB Module with Osram LED Duris E3 with a total power of 20W, 42W and 60w. CRI > 80 also available in 3000°K , 4000°K and 5700°K colour temperature.
- Life span:** 40,000 hours.
- Installation:** Directly to ceiling with 2 stainless steel clips . They should be fixed to Ceiling with screws (not supplied ). Also available with anti -vandal mounting option. Includes 2 quick electrical connectors with 3 or 5 poles to avoid the opening of the luminaire.
- Security Light :** It offers the possibility of establishing a level of security lighting, with a continuous output of 10%, added to the presence control and regulation of the luminous flux (CFPS). This system controls up to 25 Dali Dimmable equipment (DRD).
- Colours:** Luminaire in gray. Opal diffuser .



Video Instalación



## Kloss waterproof lineal connection

Includes 2 electrical connectors, driver and leds

Ref.	Colour	Lumens	W	TP €
4100 58 20 84	Gray	2000	20w	169,40
4100 58 42 84	Gray	4000	42w	177,80
4100 58 60 84	Gray	6000	60w	226,40

\* Standardly supplied with 4000° K LED lamp.

## Kloss waterproof separate connection

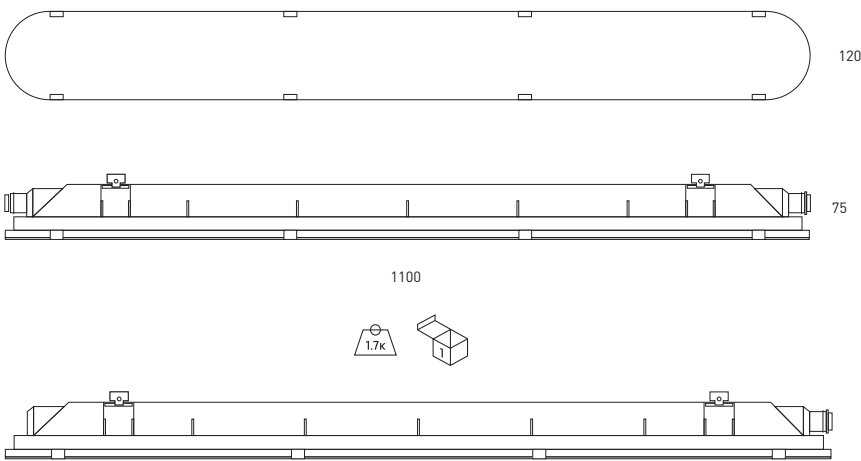
Includes 1 electrical connector, 1 stopper, driver and leds

Ref.	Colour	Lumens	W	TP €
4110 58 20 84	Gray	2000	20w	168,20
4110 58 42 84	Gray	4000	42w	176,80
4110 58 60 84	Gray	6000	60w	223,90

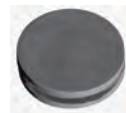
\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1900	2000	2100
Lum 42w	3800	4000	4200
Lum 60w	5700	6000	6300





Conexión independiente / Separate connection



Ref. TPK  
Sealing cap for separate connection.



Ref. CFPS  
Lighting control and sensor system.



Ref. CN20  
Connector for 20mm PVC tube.

Rough price increase of accessories	20/40w	60w
Ref. DR Dimmable driver 1 - 10v	79,20	90,10
Ref. DRD Dimmable driver Dali	79,82	90,80
Ref. CFPS Flux control, sensor of light and presence and the possib. of 10% security lighting	216,90	216,90
Ref. CN20 Connector for 20mm PVC tube	1,50	1,50
Ref. FA Anti vandal fixing	24,40	24,40
Ref. KE1 Emergency Kit 1 hour of autonomy	136,80	136,80
Ref. KE3 Emergency Kit 3 hours of autonomy	151,80	151,80
Ref. TPK Sealing cap for separate connection	1,00	1,00
Ref. DM8 Motion detector	30,00	30,00



# BERNA WATERPROOF SCREEN. T8 LAMP - LED

Protection degree IP65. Impact protection IK08



- Material:** Body made in polycarbonate.  
**Optics:** Prismatic diffuser made in polycarbonate.  
**Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.  
**Lamps:** It uses fluorescent T8 ultra-thin lamps with only a diameter of 16mm and Osram LEDs Duris E5. Optionally with 3000°k, 4000°k or 5700°k.  
**Installation:** Directly hung up on ceiling by a suspension kit.  
**Colours:** Luminaire body made in grey. Diffuser translucent for T8 and matt for LED.

secom **5** days  
bespoke

secom **72** hours  
FREE delivery



Includes electronic ballast

Ref.	W	Measur.	TP £
907 118 BE	1x18W	680 x 105	29,87
907 136 BE	1x36W	1280 x 105	35,20
907 158 BE	1x58W	1600 x 105	45,62
907 218 BE	2x18W	680 x 175	35,62
907 236 BE	2x36W	1280 x 175	50,14
907 258 BE	2x58W	1600 x 175	67,77

Includes electronic ballast and T8 lamp 840

Ref.	W	Med. / Measur.	TP £
907 118 84 BE	1x18W	680 x 105	33,06
907 136 84 BE	1x36W	1280 x 105	38,29
907 158 84 BE	1x58W	1600 x 105	49,09
907 218 84 BE	2x18W	680 x 175	41,13
907 236 84 BE	2x36W	1280 x 175	56,31
907 258 84 BE	2x58W	1600 x 175	74,71

\* Standardly supplied with 4000° K lamp.

## OPTIONS

CRI / Colour temperature

Ref. <b>83</b>	Lamp 830 / 3000°K
Ref. <b>86</b>	Lamp 860 / 6500°K

Rough increase of the control gear

	1 lamp	2 lamps
Ref. <b>BR</b> Dimmable ballast 1-10v	68,00	80,00
Ref. <b>TD</b> Dimmable ballast Touch and Dim	69,60	85,00
Ref. <b>CF</b> Lighting control system "master"	120,00	130,00
Ref. <b>FP</b> Lighting sensor control system "master"	219,90	235,00
Ref. <b>KE</b> Emergency kit	110,00	110,00

Rough increase of accessories

Ref. <b>1213</b> Flow recuperator	12,50	25,00
Ref. <b>CCC</b> Metallic lock (unit)	0,50	0,50
Ref. <b>WL</b> Wieland connector	16,30	16,30

## Berna Eco LED waterproof



Includes driver and leds

Ref.	Colour	Measur.	Lumens	W	TP £
907 20 85	Gray	665x100	3047	20w	79,52
907 40 85	Gray	1270x100	6094	42w	109,52
907 60 85	Gray	1570x100	8802	60w	137,64

\* Standardly supplied with 57000° K LED lamp.

## OPTIONS LED

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	2776	2894	3047
Lum 40w	5552	5788	6094
Lum 60w	8020	8631	8802

Rough price increase of accessories

	20w	40w	60w
Ref. <b>DR</b> Dimmable driver 1 - 10v	79,20	79,20	90,10
Ref. <b>DRD</b> Dimmable driver Dali	79,82	79,82	90,80
Ref. <b>KE1</b> Emergency Kit 1 hour autonomy	-	136,80	136,80
Ref. <b>KE3</b> Emergency Kit 3 hours autonomy	151,80	151,80	151,80

# BERNA WATERPROOF SCREEN. T5 LAMP

Protection degree IP65. Impact protection IK08



- Material:** Body made in polycarbonate.
- Optics:** Prismatic diffuser made in polycarbonate.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Directly hung up on ceiling by a suspension kit.
- Colours:** Luminaire body made in grey. Diffuser translucent.



**Includes electronic ballast**

Ref.	W	Measur.	TP £
907 114	1x14W	680 x 105	55,51
907 124	1x24W	680 x 105	61,10
907 128	1x28W	1280 x 105	64,94
907 135	1x35W	1600 x 105	73,62
907 149	1x49W	1600 x 105	73,62
907 154	1x54W	1280 x 105	64,91
907 180	1x80W	1600 x 105	73,61
907 214	2x14W	680 x 105	64,31
907 224	2x24W	680 x 105	64,32
907 228	2x28W	1280 x 105	76,23
907 235	2x35W	1600 x 105	87,81
907 249	2x49W	1600 x 105	87,84
907 254	2x54W	1280 x 105	76,24
907 280	2x80W	1600 x 105	107,90

**Includes electronic ballast and T5 lamps 840**

Ref.	W	Measur.	TP £
907 114 84	1x14W	680 x 105	59,84
907 124 84	1x24W	680 x 105	65,82
907 128 84	1x28W	1280 x 105	69,54
907 135 84	1x35W	1600 x 105	78,22
907 149 84	1x49W	1600 x 105	78,24
907 154 84	1x54W	1280 x 105	69,52
907 180 84	1x80W	1600 x 105	78,21
907 214 84	2x14W	680 x 105	73,62
907 224 84	2x24W	680 x 105	73,62
907 228 84	2x28W	1280 x 105	85,50
907 235 84	2x35W	1600 x 105	97,04
907 249 84	2x49W	1600 x 105	97,03
907 254 84	2x54W	1280 x 105	85,55
907 280 84	2x80W	1600 x 105	117,27

**OPTIONS**

**CRI / Colour temperature**

Ref. <b>83</b>	Lamp 830 / 3000°K
Ref. <b>86</b>	Lamp 860 / 6500°K

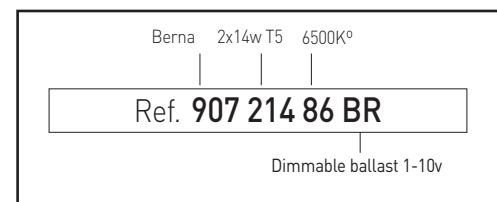
**Rough increase of the control gear**

	1 lamp	2 lamps
Ref. <b>BR</b> Dimmable ballast 1-10v	63,00	74,00
Ref. <b>TD</b> Dimmable ballast Touch and Dim	65,00	80,00
Ref. <b>CF</b> Lighting control system "master"	120,00	135,00
Ref. <b>FP</b> Lighting sensor control system "master"	270,00	270,00
Ref. <b>KE</b> Emergency kit	110,00	110,00

**Rough increase of accessories**

Ref. <b>1213</b> Flow recuperator	25,00	28,00
Ref. <b>CCC</b> Metallic lock (unit)	0,50	0,50
Ref. <b>WL</b> Wieland connector	16,30	16,30

**Example to compose a reference with options**



\* Standardly supplied with 4000° K lamp.



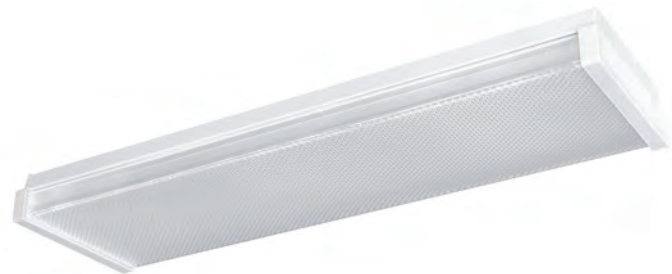
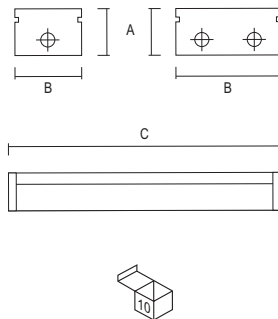


# LUMINARY WITH PRISMATIC DIFFUSER

Protection degree IP45



- Material:** Made in thermo painted steel sheet.
- Optics:** Prismatic diffuser made in polycarbonate.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses fluorescent T8 lamps. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 5700°k.
- Installation:** Directly screw on ceiling by screws (not included).
- Colours:** Body made in white. Translucent diffuser.



**Includes control gear**

Ref.	w	Measur.>	A	B	C	TP €
905 118	1x18W		90	90	655	23,75
905 136	1x36W		90	90	1.265	29,71
905 158	1x58W		90	90	1.565	38,67
905 218	2x18W		90	180	650	27,97
905 236	2x36W		90	180	1.250	44,10
905 258	2x58W		90	180	1.560	59,16

**Includes control gear and T8 lamps 840**

Ref.	w	Measur.>	A	B	C	TP €
905 118 84	1x18W		90	90	655	27,27
905 136 84	1x36W		90	90	1.265	32,51
905 158 84	1x58W		90	90	1.565	42,27
905 218 84	2x18W		90	180	650	33,58
905 236 84	2x36W		90	180	1.250	49,16
905 258 84	2x58W		90	180	1.560	67,69

\* Standardly supplied with 4000° K lamp.

**OPTIONS**

CRI / Colour temperature

Ref. 83	Lámpara / Lamp 830 / 3000°K
Ref. 86	Lámpara / Lamp 860 / 6500°K

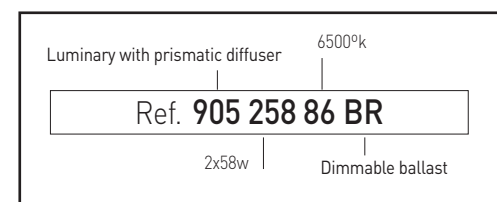
**Rough increase of the control gear**

Ref.	1 lamp	2 lamps
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	110,00

**Rough increase of accessories**

Ref. WL Wieland connector	16.30
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**Example to compose a reference with options**

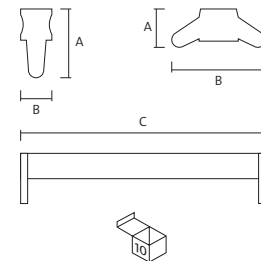


# INDUSTRIAL STRIP T8 LAMP

Protection degree IP20



- Material:** Made in thermo painted steel sheet.
- Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.
- Lamps:** It uses fluorescent T8 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 5700°k.
- Installation:** Directly screw on ceiling by screws (not included).
- Colours:** White.



**Includes control gear**

Ref.	w	Measur.>	A	B	C	TP £
904 118	1x18W		87	50	615	18,22
904 136	1x36W		87	50	1.225	20,81
904 158	1x58W		87	50	1.525	28,32
904 218	2x18W		51	120	615	23,70
904 236	2x36W		51	120	1.225	33,61
904 258	2x58W		51	120	1.525	47,70

**Includes control gear and T8 lamps 840**

Ref.	w	Measur.>	A	B	C	TP £
904 118 84	1x18W		87	50	615	21,12
904 136 84	1x36W		87	50	1.225	23,64
904 158 84	1x58W		87	50	1.525	32,38
904 218 84	2x18W		51	120	615	29,48
904 236 84	2x36W		51	120	1.225	39,40
904 258 84	2x58W		51	120	1.525	55,39

\* Standardly supplied with 4000° K lamp.

**OPTIONS**

**Rough increase of asymmetric and symmetric reflectors**

Ref.	w	Type	Long	€
3098 118	1x18W	Asymmetric	615	24,56
3098 136	1x36W	Asymmetric	1.225	27,40
3098 158	1x58W	Asymmetric	1.525	29,50
3098 218	2x18W	Asymmetric	615	24,56
3098 236	2x36W	Asymmetric	1.225	27,40
3098 258	2x58W	Asymmetric	1.525	29,50
3099 118	1x18W	Symmetric	615	49,10
3099 136	1x36W	Symmetric	1.225	54,92
3099 158	1x58W	Symmetric	1.525	59,00
3099 218	2x18W	Symmetric	615	49,10
3099 236	2x36W	Symmetric	1.225	54,92
3099 258	2x58W	Symmetric	1.525	59,00

**OPTIONS**

**CRI / Colour temperature**

Ref. 83	Lamp 830 / 3000°K
Ref. 86	Lamp 860 / 6500°K

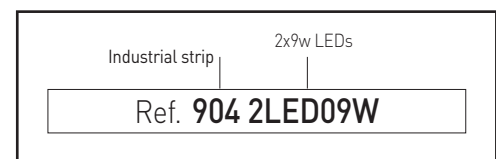
**Rough increase of the control gear**

	1 lamp	2 lamps
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**

	TP £
Ref. WL Wieland connector	16.30

Example to write a reference with LED options

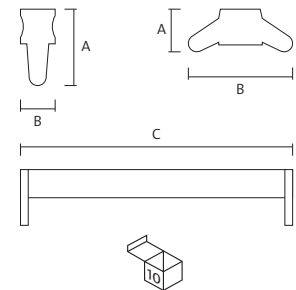
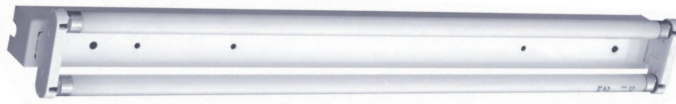


# INDUSTRIAL STRIP T5 LAMP

Protection degree IP20



**Material:** Made in thermo painted steel sheet.  
**Supply:** All models include control gear and lamps. Optionally, it can be supplied with 1-10v dimmable electronic ballast, "Touch and Dim" electronic ballast, lighting sensor control system "master" and emergency kit.  
**Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.  
**Installation:** Directly screw on ceiling by screws (not included).  
**Colours:** White.



Incluye balasto electrónico / Includes electronic ballast

Ref.	W	Med. / Measur.>	A	B	C	TP €
903 114	1x14W	60	35	560	51,59	
903 121	1x21W	60	35	880	54,84	
903 124	1x24W	60	35	560	52,53	
903 128	1x28W	60	35	1180	57,10	
903 135	1x35W	60	35	1480	59,43	
903 139	1x39W	60	35	880	55,67	
903 149	1x49W	60	35	1480	59,77	
903 154	1x54W	60	35	1180	57,55	
903 180	1x80W	60	35	1480	65,71	
903 214	2x14W	70	45	560	54,89	
903 221	2x21W	70	45	880	65,87	
903 224	2x24W	70	45	560	63,36	
903 228	2x28W	70	45	1180	67,75	
903 235	2x35W	70	45	1480	69,95	
903 239	2x39W	70	45	880	66,50	
903 249	2x49W	70	45	1480	70,57	
903 254	2x54W	70	45	1180	69,01	
903 280	2x80W	70	45	1480	97,86	

Includes electronic ballast and T5 lamps 840

Ref.	W	Med. / Measur.>	A	B	C	TP €
903 114 84	1x14W	60	35	560	56,13	
903 121 84	1x21W	60	35	880	59,27	
903 124 84	1x24W	60	35	560	57,08	
903 128 84	1x28W	60	35	1180	61,78	
903 135 84	1x35W	60	35	1480	63,98	
903 139 84	1x39W	60	35	880	60,22	
903 149 84	1x49W	60	35	1480	64,61	
903 154 84	1x54W	60	35	1180	62,10	
903 180 84	1x80W	60	35	1480	70,25	
903 214 84	2x14W	70	45	560	63,98	
903 221 84	2x21W	70	45	880	74,95	
903 224 84	2x24W	70	45	560	72,44	
903 228 84	2x28W	70	45	1180	76,84	
903 235 84	2x35W	70	45	1480	79,03	
903 239 84	2x39W	70	45	880	75,58	
903 249 84	2x49W	70	45	1480	79,65	
903 254 84	2x54W	70	45	1180	78,06	
903 280 84	2x80W	70	45	1480	106,84	

\* Standardly supplied with 4000° K lamp.

OPTIONS

Rough increase of asymmetric and symmetric reflectors

Ref.	w	Tipo / Type	Largo / Long	TP €
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

CRI / Colour temperature

Ref. 83	Lamp 830 / 3000°K
Ref. 86	Lamp 860 / 6500°K

Rough increase of the control gear

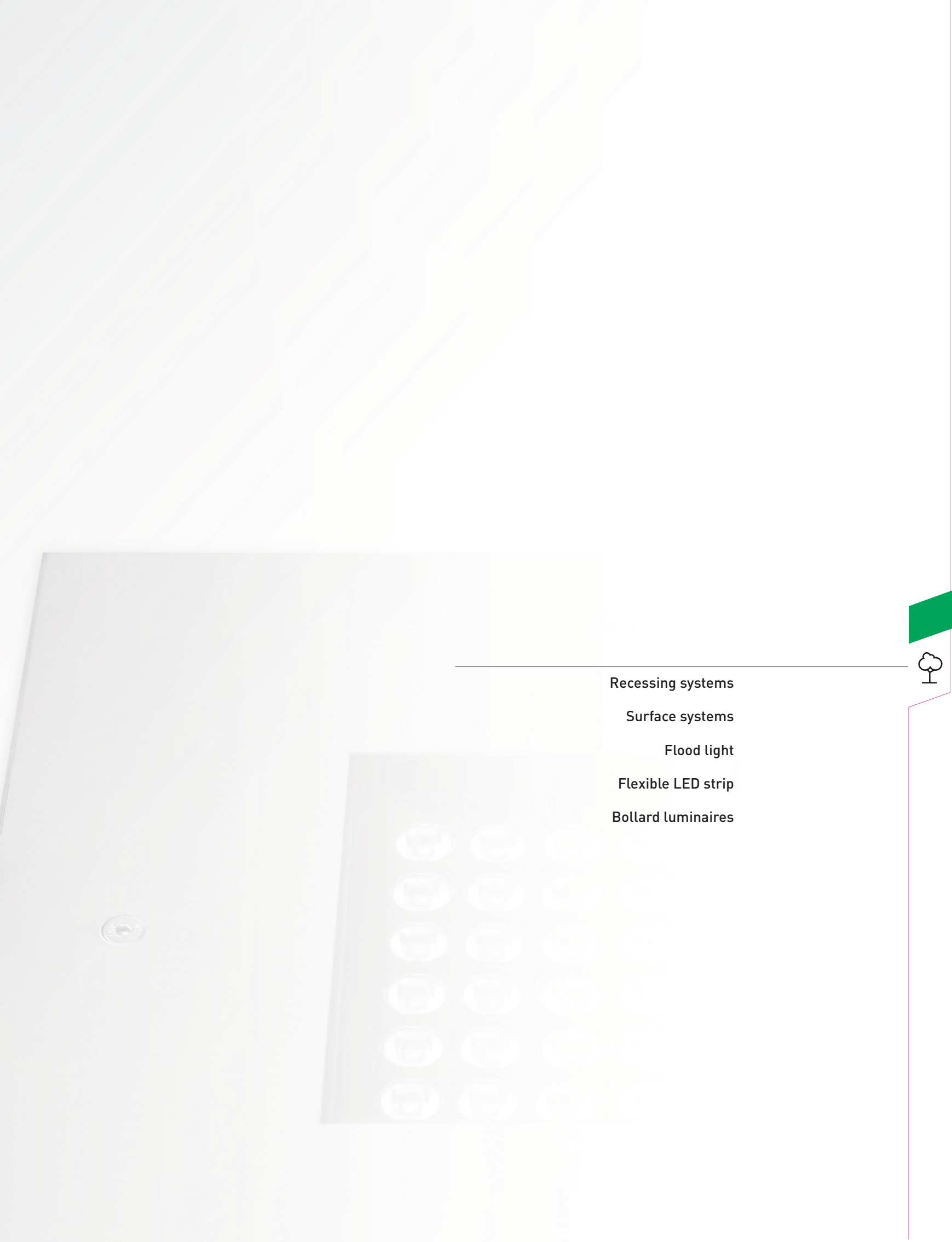
	1 lamp	2 lamps
Ref. BR Dimmable ballast 1-10v	63,00	74,00
Ref. TD Dimmable ballast Touch and Dim	65,00	80,00
Ref. CF Lighting control system "master"	120,00	135,00
Ref. FP Lighting sensor control system "master"	270,90	270,00

Rough increase of accessories

	TP €
Ref. WL Wieland connector	16,30

# OUTDOOR LIGHTING





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Recessing systems

Surface systems

Flood light

Flexible LED strip

Bollard luminaires





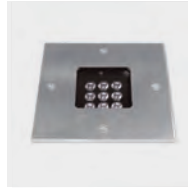
Recessed



Flopro Z1 circular 249



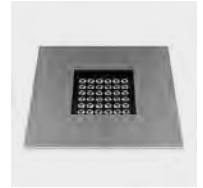
Flopro Z2 circular 250



Flopro Z2 square 251



Flopro Z3 circular 252



Flopro Z3 square 253



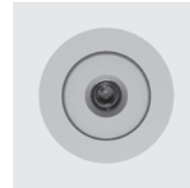
Flopro Z1 / Z2 Floor support 254



Rago 255



Rago square 255



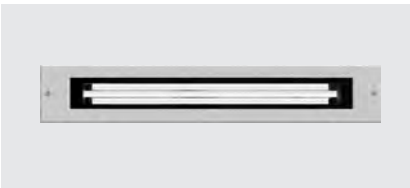
Mitel oscillating 256



Cobe 257



Aqualight 257



Balma 14 / Balma 21 Balma 6 / Balma 10 258 259



Waterproof Supra. 260



Aircom Supra IP65 261



Aircom Supra PLUS IP65 262



Trido vertical 263



Trido horizontal 263



Krups 264



Flo 265



Ceipro C1 circular 267



Ceipro C2 circular 268



Ceipro C2 square 269



Ceipro C3 circular 270



Ceipro C3 square 271



Kipo 272



Vanio 273

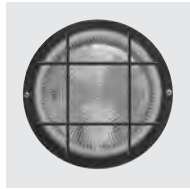


Leny LED 273

Surface



Tortuga 274



Tortuga 274



Tortuga 274



Tortuga 274



Tresso 275



Tresso 275



Tresso 275



Tresso 275



Kalos 276



Sinvo 277

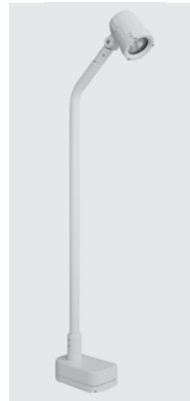


Bistro 278



Bruken 280

Flood light



Oper 1m 281



Oper 281



Vercor  
Vercor RGB  
Vercor 10 282

LED Strip



Cambo 284

Bollard luminaries



Telma 288



Cubic 290



Tubic 291



Naya 292



Gor 293







# FLOPRO Z1/Z2/Z3 RECESSED FLOOR

Protection degree IP67. Impact protection IK10



- Material:** Finished in stainless steel 316. Body of the luminaire made in injected plastic in Z1, injected aluminium in Z2 and Z3. It has an auxiliary box for recessed in building site. It includes a protection tempered glass which have 5000kg resistance.
- Óptica:** Integrated in the lamps, with opening angles of 120° for Z1 and 48 ° or 11 ° for Z2 and Z3.
- Supply:** All models include high power factor drivers.
- Lamps:** LEDs Osram, Duris E5 for Z1 and Oslon SSL for Z2 / Z3.
- Installation:** Floor installation by auxiliary box recessed in concrete work, not used directly on the ground or grass.
- Colours:** Stainless steel.



## FLOPRO Z1 CIRCULAR - RECESSED FLOOR



Flopro Z1 circular

Includes driver and LED Duris E5 lamp 2w

Ref.	Colour	Lamp.	W	TP €
6100 00 02 84	Stainless steel / 316	LED	2w	99,90

\* Standardly supplied with maximun lamp opening angle (120°)  
\* Standardly supplied with 4000°K lamp.

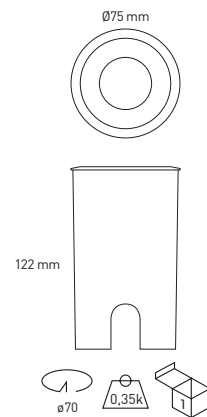
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
Colour temperature	3000°K	4000°K	5700°K
Lum 2w	140	150	150

Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
6100 00 02 R	LED	Red ●	2w	8,20
6100 00 02 G	LED	Green ●	2w	8,20
6100 00 02 B	LED	Blue ●	2w	8,20

Rough price increase accesories

Ref. CMZ1	Matt glass	TP €
		6,90

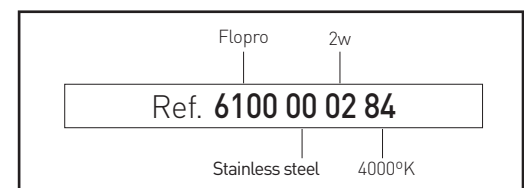


Ref. CMZ1  
Matt lock diffuser



Protection tempered glass.

Example to compose a reference with options



## FLOPRO Z2 CIRCULAR - RECESSED FLOOR



Flopro Z2 adjustable circular

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
6120 00 06 84	Stainless steel / 316	LED	6w	305,53
6120 00 10 84	Stainless steel / 316	LED	10w	321,58

\* Standardly supplied with maximum lamp opening angle (48°).  
 \* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
6120 00 06 R	LED	Red ●	6w	9,90
6120 00 06 G	LED	Green ●	6w	9,90
6120 00 06 B	LED	Blue ●	6w	9,90
6120 00 10 R	LED	Red ●	10w	16,80
6120 00 10 G	LED	Green ●	10w	16,80
6120 00 10 B	LED	Blue ●	10w	16,80

### OPTIONS LED

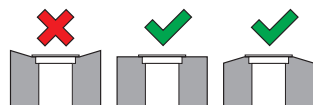
	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 6w	605	650	700
Lum 7w asymmetric	726	780	840
Lum 10w	1089	1170	1260

### Rough increase of accesories

	6w	7w	10w
Ref. 11 Opening angle 11°	3,20	3,60	4,20



Adjustable pressing module or turning on the LED board.



Flopro Z2 asymmetric adjustable circular

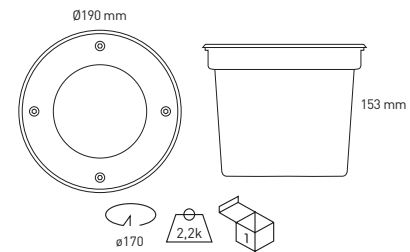
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
6110 00 07 84	Stainless steel / 316	LED	7w	323,82

\* Standardly supplied with maximum lamp opening angle (48°).  
 \* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
6110 00 07 R	LED	Red ●	7w	12,20
6110 00 07 G	LED	Green ●	7w	12,20
6110 00 07 B	LED	Blue ●	7w	12,20



Protection tempered glass.



Symmetric



Asymmetric

## FLOPRO Z2 - RECESSED FLOOR SQUARE



Flopro Z2 adjustable square

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
6130 00 06 84	Stainless steel / 316	LED	6w	359,15
6130 00 10 84	Stainless steel / 316	LED	10w	375,48

\* Standardly supplied with maximum lamp opening angle [48°].  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
6130 00 06 R	LED	Red ●	6w	9,90
6130 00 06 G	LED	Green ●	6w	9,90
6130 00 06 B	LED	Blue ●	6w	9,90
6130 00 10 R	LED	Red ●	10w	16,80
6130 00 10 G	LED	Green ●	10w	16,80
6130 00 10 B	LED	Blue ●	10w	16,80

OPCIONES / OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 6w	605	650	700
Lum 7w asymmetric	726	780	840
Lum 10w	1089	1170	1260

Rough increase of accessories	6w	7w	10w
Ref. 11 Opening angle 11°	3,20	3,60	4,20



Flopro Z2 asymmetric adjustable square

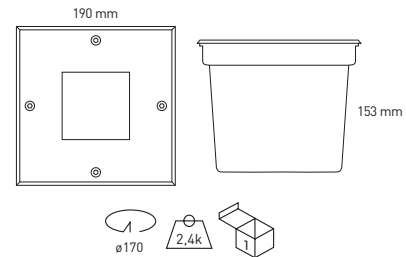
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
6140 00 07 84	Stainless steel / 316	LED	7w	377,78

\* Standardly supplied with maximum lamp opening angle [48°].  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
6140 00 07 R	LED	Red ●	7w	12,20
6140 00 07 G	LED	Green ●	7w	12,20
6140 00 07 B	LED	Blue ●	7w	12,20



Protection tempered glass.



Symmetric



Asymmetric

## FLOPRO Z3 CIRCULAR - RECESSED FLOOR



Flopro Z3 adjustable circular

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP £
6150 00 20 84	Stainless steel / 316	LED	20w	549,82
6150 00 30 84	Stainless steel / 316	LED	28w	596,12

\* Standardly supplied with maximum lamp opening angle (48°).  
 \* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.		W	TP £
6150 00 20 R	LED	Red ●		20w	34,90
6150 00 20 G	LED	Green ●		20w	34,90
6150 00 20 B	LED	Blue ●		20w	34,90
6150 00 30 R	LED	Red ●		28w	69,90
6150 00 30 G	LED	Green ●		28w	69,90
6150 00 30 B	LED	Blue ●		28w	69,90

### OPTIONS LED

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 20w	2178	2340	2520
Lum 22w asymmetric	2420	2600	2800
Lum 28w	3085	3315	3570

### Rough increase of accessories

	20w	22w	28w
Ref. 11 Opening angle 11°	8,20	8,90	16,90



Flopro Z3 asymmetric adjustable circular

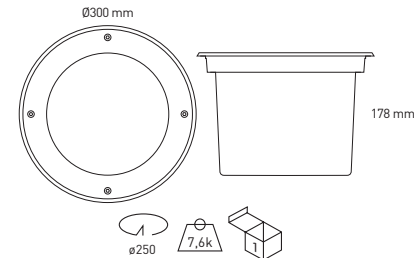
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP £
6180 00 22 84	Stainless steel / 316	LED	22w	598,20

\* Standardly supplied with maximum lamp opening angle (48°).  
 \* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.		W	TP £
6180 00 22 R	LED	Red ●		22w	36,90
6180 00 22 G	LED	Green ●		22w	36,90
6180 00 22 B	LED	Blue ●		22w	36,90



Cristal templado protector. Protection tempered glass.



Simétrico / Symmetric



Asimétrico / Asymmetric

## FLOPRO Z3 - RECESSED FLOOR SQUARE



Flopro Z3 adjustable square

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
6160 00 18 84	Stainless steel / 316	LED	18w	582,52
6160 00 30 84	Stainless steel / 316	LED	30w	675,20

\* Standardly supplied with maximum lamp opening angle [48°].  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.		W	TP €
6160 00 18 R	LED	Red	●	18w	31,42
6160 00 18 G	LED	Green	●	18w	31,42
6160 00 18 B	LED	Blue	●	18w	31,42
6160 00 30 R	LED	Red	●	30w	69,90
6160 00 30 G	LED	Green	●	30w	69,90
6160 00 30 B	LED	Blue	●	30w	69,90

### OPTIONS LED

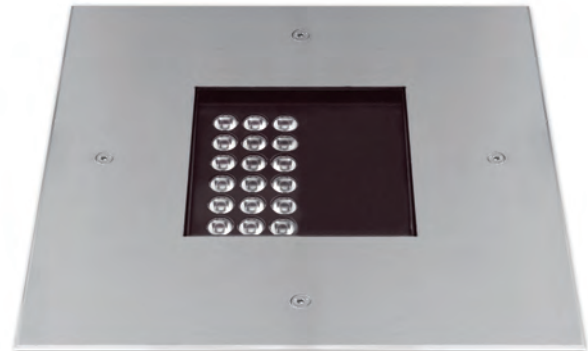
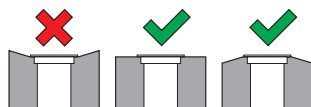
	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 18w	1936	2080	2240
Lum 20w asymmetric	2178	2340	2520
Lum 30w	3267	3510	3780

### Rough increase of accessories

Ref. 11	Opening angle 11°	18w	20w	30w
		7,90	8,20	16,90



Adjustable pressing module or turning on the LED board.



Flopro Z3 asymmetric adjustable square

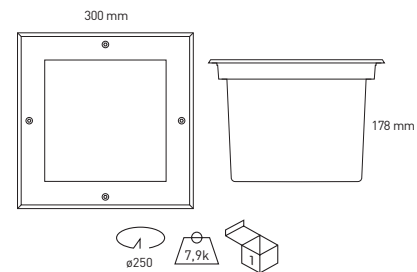
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
6170 00 20 84	Stainless steel / 316	LED	20w	678,60

\* Standardly supplied with maximum lamp opening angle [48°].  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.		W	TP €
6170 00 20 R	LED	Red	●	20w	34,90
6170 00 20 G	LED	Green	●	20w	34,90
6170 00 20 B	LED	Blue	●	20w	34,90



Protection tempered glass.



Symmetric



Asymmetric

# FLOPRO Z1

LOOR SUPPORT



Flopro Z1 LED circular

Includes driver and LED Duris E5 lamp 2w

Ref.	Colour	Lamp.	W	TP £
6101 00 02 84	Stainless steel / 316	LED	2w	117,90

\* Standardly supplied with maximum lamp opening angle (120°).

\* Standardly supplied with 4000°K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 2w	140	150	150

Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP £
6101 00 02 R	LED	Red ●	2w	8,20
6101 00 02 G	LED	Green ●	2w	8,20
6101 00 02 B	LED	Blue ●	2w	8,20

Rough price increase accesories

Ref. CMZ1	Mat glass	€
		6,90

PZ1



PZ2



Spike LED	€
Ref. PZ1 Steel	7,20
Ref. PZ2 Steel	15,20

# FLOPRO Z2 CIRCULAR



Flopro Z2 LED adjustable circular

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP £
6121 00 06 84	Stainless steel / 316	LED	6w	329,82
6121 00 10 84	Stainless steel / 316	LED	10w	345,30

\* Standardly supplied with maximum lamp opening angle (48°).

\* Standardly supplied with 4000°K lamp.

Rough increase of LED

Ref.	Lamp	Colour LED.	W	€
6121 00 06 R	LED	Red ●	6w	9,90
6121 00 06 G	LED	Green ●	6w	9,90
6121 00 06 B	LED	Blue ●	6w	9,90
6121 00 10 R	LED	Red ●	10w	16,80
6121 00 10 G	LED	Green ●	10w	16,80
6121 00 10 B	LED	Blue ●	10w	16,80

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
Colour temperature	3000°K	4000°K	5000°K
Lum 6w	605	650	700
Lum 7w asymmetric	726	780	840
Lum 10w	1089	1170	1260

Rough increase of accesories	6w	7w	10w
Ref. 11 Opening angle 11°	3,20	3,60	4,20



Flopro Z2 LED asymmetric adjustable circular

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP £
6111 00 07 84	Stainless steel / 316	LED	7w	347,20

\* Standardly supplied with maximum lamp opening angle (48°).

\* Standardly supplied with 4000°K lamp.

Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP £
6111 00 07 R	LED	Red ●	7w	12,20
6111 00 07 G	LED	Green ●	7w	12,20
6111 00 07 B	LED	Blue ●	7w	12,20

# RAGO CIRCULAR / SQUARE RECESSED FLOOR

Protection degree IP67



**Material:** Finished in stainless steel. Body of the luminaire made in injected aluminium, it has an auxiliary box for recessed in building site.

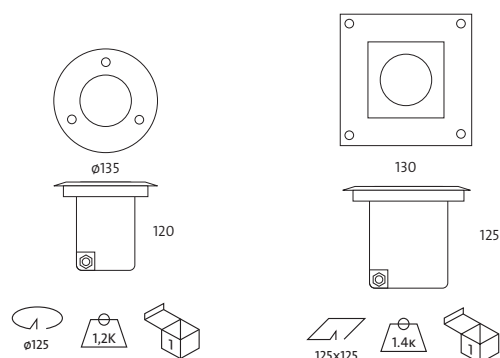
**Óptica:** Optics are incorporated in the lamps. It includes a protection glass which have 5000kg resistance.

**Supply:** All models include control gear and lamps.

**Lamps:** It admits halogen dichroic lamp and LED lamp.

**Installation:** Floor installation by auxiliary box recessed in concrete work, not used directly on the ground or grass.

**Colours:** Stainless steel.



## Without lamps

Ref.	Colour	Lamp.	Port.	W	TP €
929 00	Stainless steel	-	GU5.3	-	109,31



## Includes driver and LED lamp 3w

Ref.	Colour	Lamp.	W	TP €
927 00 03	Stainless steel	LED	3x1w	184,65

\* Standardly supplied with 3000°K lamp.

## Without lamp

Ref.	Colour	Lamp.	Port.	W	TP €
931 00	Stainless steel	-	GU5.3	-	115,48



## Incluye driver y lámpara LED 3w / Includes driver and LED lamp 3w

Ref.	Colour	Lamp.	W	TP €
931 00 03	Stainless steel	LED	3x1w	190,18

\* Standardly supplied with 3000°K lamp.

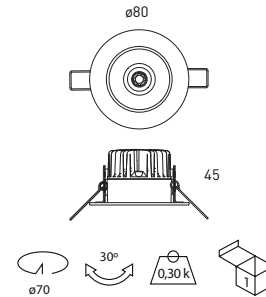


# MITEL OSCILLATING IP65

Protection degree IP65



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Optics incorporated in the lamps with open angles 43°.
- Supply:** All models include high power factor drivers.
- Lamps:** Osram LED modules composed Luxeon M Philips Lumiled for 9w and Samsung for 14w. Ra(CRI)>80 with option of >90 and available in three colour temperatures: 3000°K, 4000°K and 5000°K.
- Life span:** Estimated average life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster. Oscillating 30°.
- Colours:** White, black, matt chrome and titanium.



## Mitel oscillating IP65



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
180 01 09 84 IP65	White	905	9w	74,14
180 02 09 84 IP65	Black	905	9w	76,72
180 52 09 84 IP65	Matt chrome	905	9w	76,72
180 90 09 84 IP65	Titanium	905	9w	76,72

\* Standardly supplied with 4000° K lamp.

### OPTIONS LED

CRI>80 / Colour temperature	W	Ref. 83	Ref. 84	Ref. 85
		3000°K	4000°K	5000°K
Lúmenes / LUMENS	9	800	905	905
	14	1700	1750	1805

## Mitel oscillating IP65



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
180 01 14 84 IP65	White	1750	14w	88,28
180 02 14 84 IP65	Black	1750	14w	90,86
180 52 14 84 IP65	Matt chrome	1750	14w	90,86
180 90 14 84 IP65	Titanium	1750	14w	90,86

\* Standardly supplied with 4000° K lamp.

### Rough price increase of accessories

Ref.	Description	TP £
DRF	Dimmable driver edge phase	13,90
DR	Dimmable driver 1-10V.	47,40
DRD	Dimmable driver Dali	52,90
3416	Emergency Kit for LEDs higher than 6w	105,60
IR90	CRI>90 (3000°K / 4000°K)	7,00
E5	High power factor Driver. 5 year warranty	15,00
CM	Cierre mate / Matt closing	1,90

## COBE

Protection degree IP66

**Material:** Finished in stainless steel  
**Óptica:** Optics are incorporated in the lamps.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It admits dichroic halogen and LED lamps.  
**Installation:** For recessed in false ceilings, adaptable to all kind of modular and smooth plaster ceilings.  
**Colours:** Stainless steel.

## AQUALIGHT

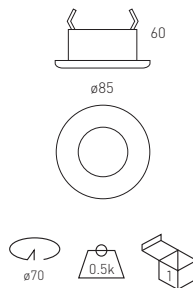
Protection degree IP54

**Material:** Injected aluminium.  
**Óptica:** Optics incorporated in the lamps. It includes protector glass.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It admits dichroic halogen and LED lamps.  
**Installation:** Recessed for false ceilings, adaptable to all kinds of modular and smooth plaster ceilings.  
**Colours:** White, chrome, matt chrome.



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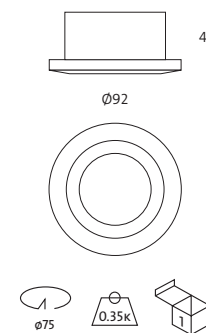


Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
932 00 05 83	Stainless steel	250	GU5.3	5w	109,40

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Temperatura de color / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280



Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port.	W	TP £
970 01 05 83	White	250	GU5.3	5w	72,20
970 05 05 83	Chrome	250	GU5.3	5w	79,90
970 52 05 83	Matt Chrome	250	GU5.3	5w	79,90

\* Standardly supplied with 3000° K lamp.

OPTIONS LED 5w	Ref. 83	Ref. 84
CRI>80 / Colour temperature	3000K°	4000°K
Lumens LED 5w	250	280



# BALMA 14 / 21

Protection degree IP67. Impact protection IK10



- Material:** Finished in stainless steel. Body of the luminaire made in injected aluminium, it has an auxiliary box for recessed in building site.
- Óptica:** Symmetric or asymmetric aluminium reflector. It includes a protection glass which have 3000Kg resistance.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour. Optionally supplied with 3000°k or 6500°k.
- Installation:** Floor installation by auxiliary box recessed in concrete work, not used directly on the ground or grass. It is great for walking areas.
- Colours:** Stainless steel.



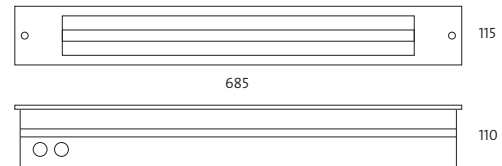
## Balma 14 symmetric



Includes electronic ballast and T5 lamp 840

Ref.	Colour	Lamp.	W	TP £
1012 00 S 84	Stainless steel	T5	14w	514,17
1014 00 S 84	Stainless steel	T5	24w	525,60

\* Standardly supplied with 4000° K lamp.



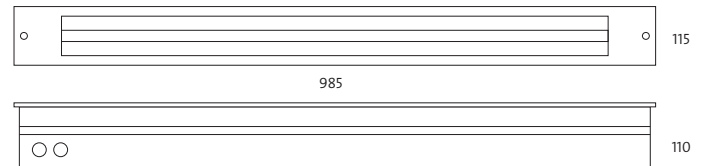
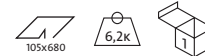
## Balma 14 asymmetric



Includes electronic ballast and T5 lamp 840

Ref.	Colour	Lamp.	W	TP £
1012 00 A 84	Stainless steel	T5	14w	506,9
1014 00 A 84	Stainless steel	T5	24w	525,60

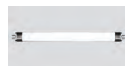
\* Standardly supplied with 4000° K lamp.



### OPTIONS

	Ref. 83	Ref. 84	Ref. 86
<b>Colour temperature</b>	3000°K	4000°K	6500°K
T5 14w	•	•	•
T5 24w	•	•	•

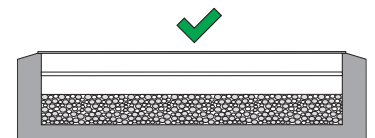
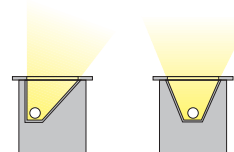
## Balma 21 symmetric



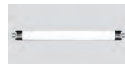
Includes electronic ballast and T5 lamp 840

Ref.	Colour	Lamp.	W	TP £
1013 00 S 84	Stainless steel	T5	21w	518,29
1019 00 S 84	Stainless steel	T5	39w	564,74

\* Standardly supplied with 4000° K lamp.



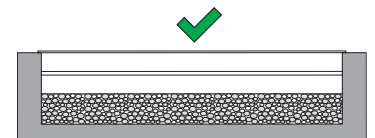
## Balma 21 asymmetric



Includes electronic ballast and T5 lamp 840

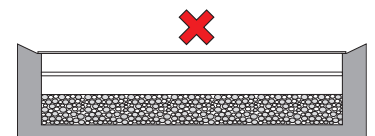
Ref.	Colour	Lamp.	W	TP £
1013 00 A 84	Stainless steel	T5	21w	518,29
1019 00 A 84	Stainless steel	T5	39w	564,74

\* Standardly supplied with 4000° K lamp.



### OPTIONS

	Ref. 83	Ref. 84	Ref. 86
<b>Colour temperature</b>	3000°K	4000°K	6500°K
T5 21w	•	•	•
T5 39w	•	•	•

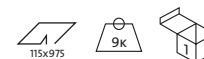
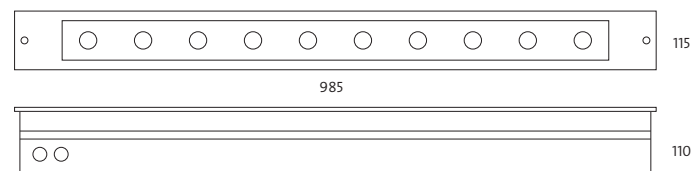
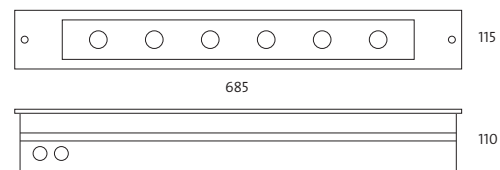
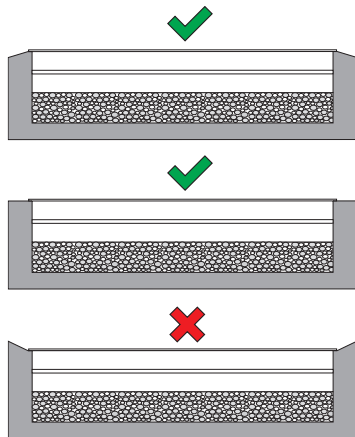


# BALMA 6 / 10

Protection degree IP67. Impact protection IK10



- Material:** Finished in stainless steel. Body of the luminaire made in injected aluminium, it has an auxiliary box for recessed in building site.
- Óptica:** Symmetric or asymmetric aluminium reflector. It includes a protection glass which have 3000Kg resistance.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses LEDs Osram Dragon-X modules.
- Installation:** Floor installation by auxiliary box recessed in concrete work, not used directly on the ground or grass, Leave room for drainage. It is great for walking areas.
- Colours:** Stainless steel.



## Balma 6 LED



Includes protection glass, driver and 6 LED 2,4w

Ref.	Colour	Lamp.	W	TP £
3195 00 83	Stainless steel	Warm	14,4w	568,20
3195 00 85	Stainless steel	Cold	14,4w	568,20

\* Standardly supplied with 5700° K lamp.

## Balma 10 LED



Includes protection glass, driver and 10 LED 2,4w

Ref.	Colour	Lamp.	W	TP £
3196 00 83	Stainless steel	Warm	24w	633,50
3196 00 85	Stainless steel	Cold	24w	633,50

\* Standardly supplied with 5700° K lamp.

### Rough increase of accessories

Ref.	Colour	TP £
Ref. 3208	Red	66,00
Ref. 3209	Green	66,00
Ref. 3210	Blue	66,00

### LED OPTIONS

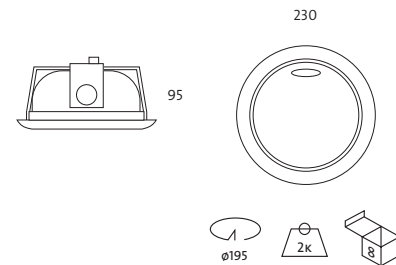
	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•

# SUPRADUCTO WATERPROOF

Protection degree IP65. Impact protection IK10



- Material:** Thermo painted intected aluminium.  
**Optics:** Facetted aluminium reflector.  
**Supply:** All models include control gear and lamps. Optionally, it can be supplied with domotic system.  
**Lamps:** It admits energy saving PL lamps, 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: Black, gold, matt gold, matt nickel and satin nickel.



## Waterproof Supraducto 2 lamps



Includes electronic ballast, PL lamps and polycarbonate

Ref.	Colour	Lamp.	Port.	W	TP £
470 01 18 84 BE	White	PL/E	G24q-2	2x18w	84,21
470 52 18 84 BE	Matt Chrome	PL/E	G24q-2	2x18w	93,52
470 90 18 84 BE	tanium	PL/E	G24q-2	2x18w	93,52
470 01 26 84 BE	White	PL/E	G24q-3	2x26w	84,23
470 52 26 84 BE	Matt Chrome	PL/E	G24q-3	2x26w	93,54
470 90 26 84 BE	Titanium	PL/E	G24q-3	2x26w	93,54

\* Standardly supplied with 4000° K lamp.

## Waterproof Supraducto 1 lamp



Includes electronic ballast, PL/E lamp and polycarbonate

Ref.	Colour	Lamp.	Port.	TP £	lum.
469 01 18 84 BE	White	PL/E	G24q-2	1x18w	77,70
469 52 18 84 BE	Matt Chrome	PL/E	G24q-2	1x18w	86,99
469 90 18 84 BE	Titanium	PL/E	G24q-2	1x18w	86,99
469 01 26 84 BE	White	PL/E	G24q-3	1x26w	77,72
469 52 26 84 BE	Matt Chrome	PL/E	G24q-3	1x26w	87,01
469 90 26 84 BE	Titanium	PL/E	G24q-3	1x26w	87,01

\* Standardly supplied with 4000° K lamp.



Includes electronic ballast, lamp PLT/E and polycarbonate

Ref.	Colour	Lamp.	Port.	W	TP £
469 01 32 84	White	PLT/E	GX24Q-3	1x32w	110,78
469 52 32 84	Matt Chrome	PLT/E	GX24Q-3	1x32w	120,05
469 90 32 84	Titanium	PLT/E	GX24Q-3	1x32w	120,05
469 01 42 84	White	PLT/E	GX24Q-4	1x42w	114,12
469 52 42 84	Matt Chrome	PLT/E	GX24Q-4	1x42w	120,07
469 90 42 84	Titanium	PLT/E	GX24Q-4	1x42w	120,07

\* Standardly supplied with 4000° K lamp.

## OPTIONS

### Rough increase of the electronic ballast

Ref.	Description	1x13/18/26w	2x13/18/26w
Ref. BR	Dimmable 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	L. sensor control system "master"	275,00	283,00
Ref. KE	Emergency kit	130,00	130,00

### Rough increase of accesories

Ref.	Description	TP £
Ref. WL	Wieland connector	16,30

## OPTIONS

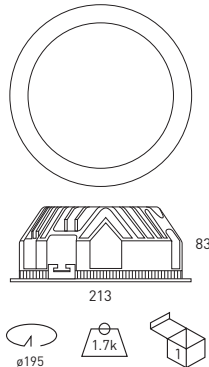
	Ref. 82	Ref. 83	Ref. 84	Ref. 86
<b>Colour temperature</b>	2700°K	3000°K	4000°K	6500°K
PL 13w	•	•	•	•
PL 18w	•	•	•	•
PL 26w	•	•	•	•
PLT/E 32w	•	•	•	•
PLT/E 42w	•	•	•	•

# AIRCUM SUPRA IP65 CIRCULAR

Protection degree IP65



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Modules composed of LEDs Duris E5 with a total power of 20w, 30w, 40w and 60w.
- Estimated life:** Estimated life spam 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, matt gold, matt chrome, and titanium.



## Aircum Supra IP65 LED 30w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 30 84 IP65	White	3395	30w	173,30
4227 02 30 84 IP65	Black	3395	30w	175,10
4227 33 30 84 IP65	Matt Gold	3395	30w	175,10
4227 52 30 84 IP65	Matt Chrome	3395	30w	175,10
4227 90 30 84 IP65	Titanium	3395	30w	175,10

\* Standardly supplied with 4000° K LED lamp.



## Aircum Supra IP65 LED 40w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 40 84 IP65	White	5556	40w	201,40
4227 02 40 84 IP65	Black	5556	40w	203,60
4227 33 40 84 IP65	Matt Gold	5556	40w	203,60
4227 52 40 84 IP65	Matt Chrome	5556	40w	203,60
4227 90 40 84 IP65	Titanium	5556	40w	203,40

\* Standardly supplied with 4000° K LED lamp.



## Aircum Supra IP65 LED 20w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 20 84 IP65	White	2677	20w	120,80
4227 02 20 84 IP65	Black	2677	20w	122,60
4227 33 20 84 IP65	Matt Gold	2677	20w	122,60
4227 52 20 84 IP65	Matt Chrome	2677	20w	122,60
4227 90 20 84 IP65	Titanium	2677	20w	122,60

\* Standardly supplied with 4000° K LED lamp.

## Aircum Supra IP65 LED 60w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 60 84 IP65	White	8026	60w	215,10
4227 02 60 84 IP65	Black	8026	60w	217,30
4227 33 60 84 IP65	Matt Gold	8026	60w	217,30
4227 52 60 84 IP65	Matt Chrome	8026	60w	217,30
4227 90 60 84 IP65	Titanium	8026	60w	217,30

\* Standardly supplied with 4000° K LED lamp.

Rough price increase of driver	TP £
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. 3416 Emergency kit	105,90
Ref. AM Special marine environment paint	25,00
Ref. CT Close transparent	0,60

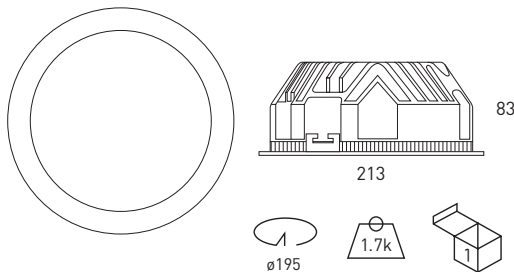
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRi>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	2600	2677	2677
Lum 30w	3370	3395	3395
Lum 40w	5543	5556	5556
Lum 60w	8007	8026	8026

# AIRCOM SUPRA PLUS CIRCULAR

Protection degree IP65



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Modules composed of LEDs Osram Oslon SSL with a total power of 60w. Estimated life spam 50.000 hours.
- Estimated life:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Installation:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin .
- Colours:** titanium and satin .



## Aircom Supra Plus LED 60w

Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4227 01 65 84 IP65	White	7020	60w	223,80
4227 02 65 84 IP65	Black	7020	60w	226,40
4227 03 65 84 IP65	Gold	7020	60w	250,60
4227 05 65 84 IP65	Chrome	7020	60w	235,00
4227 33 65 84 IP65	Matt Gold	7020	60w	226,40
4227 52 65 84 IP65	Matt Chrome	7020	60w	226,40
4227 55 65 84 IP65	Nickel	7020	60w	226,40
4227 57 65 84 IP65	Nickel matt	7020	60w	250,60
4227 80 65 84 IP65	Satin	7020	60w	250,60
4227 90 65 84 IP65	Titanium	7020	60w	226,40

\* Standardly supplied with 4000° K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 60w	6780	7020	7020

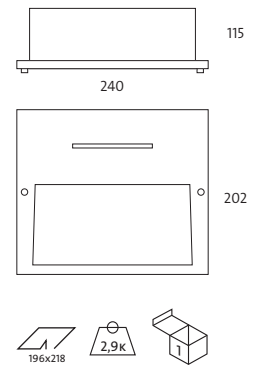
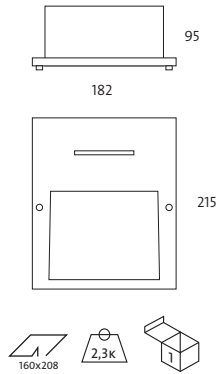
Rough price increase of driver		TP £
Ref. DR	Driver dimmable 1-10V	47,40
Ref. DRD	Driver dimmable Dali	52,90
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. 3416	Emergency kit	105,90
Ref. AM	Special marine environment paint	25,00

# TRIDO

Protection degree IP54



- Material:** Stainless steel sheet and aluminium.
- Optics:** Aluminium matt reflector. It is supplied with transparent protector glass.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses energy saving PL and LED Osram Dragon-X lamps, suitable for walking areas and commercial and domestic areas.
- Installation:** Installation on the ground by an auxiliary box, for recessed in building site.
- Colours:** Stainless steel.



Trido vertical LED



Includes driver, protection glass and LED 4,8w

Ref.	Colour	Lumens	W	TP £
951 00 05 85	S. steel	LED	4x1,2w	145,35

\* Standardly supplied with 5700° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•

Trido horizontal LED



Includes driver, protection glass and LED 7,2w

Ref.	Colour	Lumens	W	TP £
952 00 07 85	S. steel	LED	6x1,2w	181,26

\* Standardly supplied with 5700° K lamp.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•



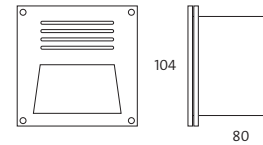
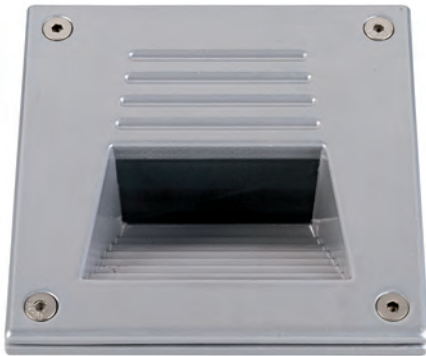


# KRUPS

Protection degree IP54



Material: Aluminio inyectado.  
 Óptica: Reflector de aluminio. Cristal protector incluido.  
 Alimentación: Todos los modelos incluyen equipos y lámparas adecuados.  
 Lámparas: Admite lámpara halógena Bipin y lámparas LED. Especialmente indicada para delimitación de perímetros.  
 Instalación: Para empotrar directamente a pared.  
 Colores: Gris metálico.



Includes protection glass, driver and LED 2,4w

Ref.	Colour	Lamp.	W	TP €
950 58 02 85	Metal grey	LED	2x1,2w	76,14

\* Driver not hosted in the luminaire, must be located in the installation.

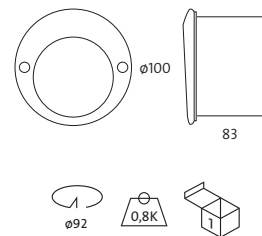
LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•

# FLO

Protection degree IP54



**Material:** Injected aluminium.  
**Optics:** Aluminium reflector. It includes a protection glass.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It admits halogen Bipin and LED lamps. It is great for mark off perimeters  
**Installation:** Recessed directly to the wall.  
**Colours:** Metallic grey.



Includes protection glass, driver and LED 3,5w

Ref.	Colour	Lamp.	W	TP €
949 58 04 85	Metal grey	LED	3x1,2w	77,90

\* Driver not hosted in the luminaire, must be located in the installation.

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•



# CEIPRO C1 / C2 / C3 RECESSED CEILING OR WALL

Protection degree IP67. Impact protection IK10



- Material:** Finished in stainless steel 316. Body of the luminaire made in injected plastic in C1, injected aluminium in C2 and C3. It includes a protection tempered glass which have 5000kg resistance.
- Óptica:** Integrated in the lamps, with opening angles of 120° for C1 and 48° or 11° for C2 and C3.
- Supply:** All models include control gear and lamps.
- Lamps:** LEDs Osram, Duris E5 for C1 and Oslon SSL for C2 / C3.
- Installation:** Circular ceiling cut. For recessed ceiling, adaptable to all kind of modular ceilings and plaster. Clamps included.  
Auxiliary flush housing option for recessing in cement or concrete work.
- Colours:** Stainless steel.



## CEIPRO C1 LED CIRCULAR RECESSED CEILING OR WALL



Ref. CMZ1  
Matt lock diffuser



Ref. 51C1  
Recessed auxiliary box on site.



### Ceipro C1 LED circular

Includes driver and LED Duris E5 lamp 2w

Ref.	Colour	Lamp	W	TP £
5100 00 02 84	Stainless steel / 316	LED	2w	98,68

\* Standardly supplied with maximum lamp opening angle (120°).

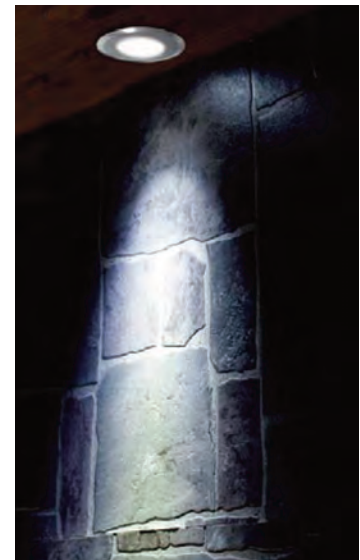
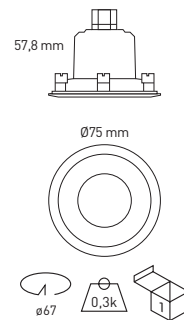
\* Standardly supplied with 4000°K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 2w	140	150	150

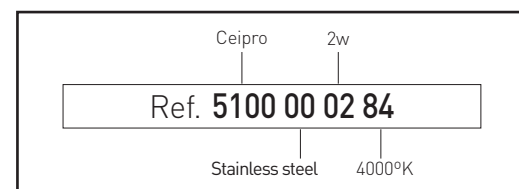
### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP £
5100 00 02 R	LED	Red	2w	8,20
5100 00 02 G	LED	Green	2w	8,20
5100 00 02 B	LED	Blue	2w	8,20

Rough price increase accesories	TP £
Ref. CMZ1 Matt glass	6,90
Ref. 51C1 Recessed box on site	5,52



Example to compose a reference with options



**CEIPRO C2 LED CIRCULAR - RECESSED CEILING OR WALL**



Ceipro C2 LED adjustable circular

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP £
5120 00 06 84	Stainless steel / 316	LED	6w	298,70
5120 00 10 84	Stainless steel / 316	LED	10w	312,90

\* Standardly supplied with maximum lamp opening angle (48°)  
 \* Standardly supplied with 4000°K lamp.

Incremento por LED / Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP £
5120 00 06 R	LED	Red ●	6w	9,90
5120 00 06 G	LED	Green ●	6w	9,90
5120 00 06 B	LED	Blue ●	6w	9,90
5120 00 10 R	LED	Red ●	10w	16,80
5120 00 10 G	LED	Green ●	10w	16,80
5120 00 10 B	LED	Blue ●	10w	16,80

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 6w	605	650	700
Lum 7w asymmetric	726	780	840
Lum 10w	1089	1170	1260

Rough increase of accessories	6w	7w	10w
Ref. 11 Opening angle 11°	3,20	3,60	4,20

Rough price increase accessories	TP £
Ref. 51C2 Recessed box on site	6,94

Adjustable pressing module or turning on the LED board.



Ceipro C2 LED asymmetric adjustable circular

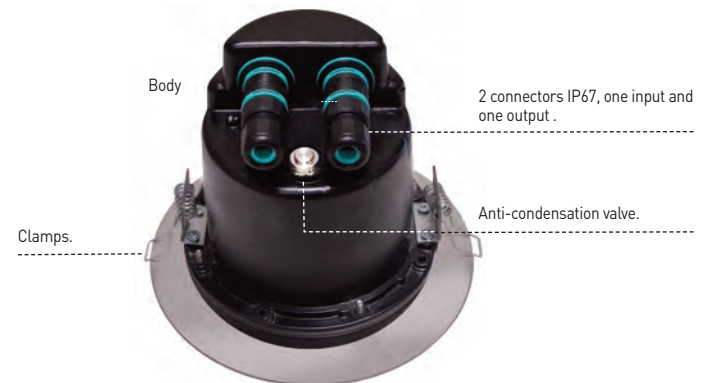
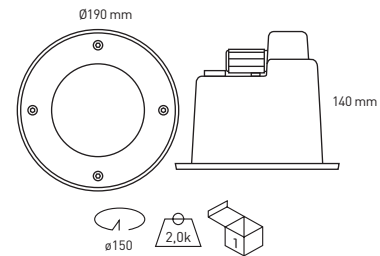
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP £
5110 00 07 84	Stainless steel / 316	LED	7w	317,60

\* Standardly supplied with maximum lamp opening angle (48°)  
 \* Standardly supplied with 4000°K lamp.

Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP £
5110 00 07 R	LED	Red ●	7w	12,20
5110 00 07 G	LED	Green ●	7w	12,20
5110 00 07 B	LED	Blue ●	7w	12,20



Symmetric



Asymmetric

## CEIPRO C2 LED - RECESSED CEILING OR WALL SQUARE



Ceipro C2 LED adjustable square



Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
5130 00 06 84	Stainless steel / 316	LED	6w	349,90
5130 00 10 84	Stainless steel / 316	LED	10w	367,90

\* Standardly supplied with maximum lamp opening angle (48°)  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
5130 00 06 R	LED	Red ●	6w	9,90
5130 00 06 G	LED	Green ●	6w	9,90
5130 00 06 B	LED	Blue ●	6w	9,90
5130 00 10 R	LED	Red ●	10w	16,80
5130 00 10 G	LED	Green ●	10w	16,80
5130 00 10 B	LED	Blue ●	10w	16,80

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 6w	605	650	700
Lum 7w asymmetric	726	780	840
Lum 10w	1089	1170	1260

Rough increase of accessories	6w	7w	10w
Ref. 11 Opening angle 11°	3,20	3,60	4,20

Incremento por accesorios / Rough price increase accessories	TP €
Ref. 51C2 Recessed box on site	6,94

Adjustable pressing module or turning on the LED board.  
Ref. 51C2 Recessed auxiliary box on site.



Ceipro C2 LED asymmetric adjustable square



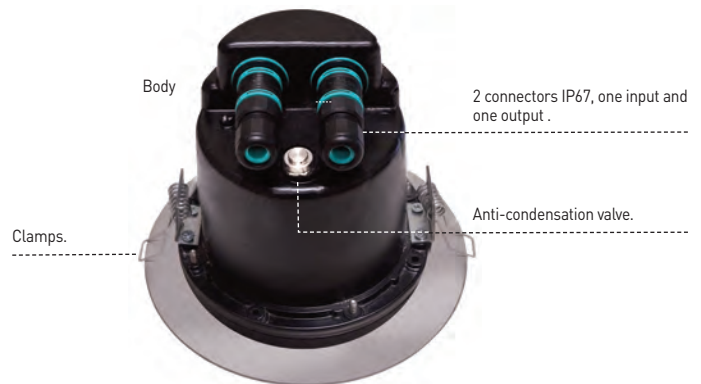
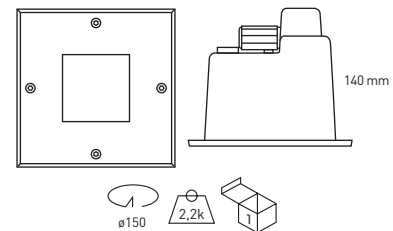
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
5140 00 07 84	Stainless steel / 316	LED	7w	370,20

\* Standardly supplied with maximum lamp opening angle (48°)  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.	W	TP €
5140 00 07 R	LED	Red ●	7w	12,20
5140 00 07 G	LED	Green ●	7w	12,20
5140 00 07 B	LED	Blue ●	7w	12,20



Symmetric



Asymmetric



**CEIPRO C2 LED CIRCULAR - EMPOTRABLE DE TECHO O PARED / RECESSED CEILING OR WALL**



Ceipro C3 LED adjustable circular

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
5150 00 20 84	Stainless steel / 316	LED	20w	547,32
5150 00 30 84	Stainless steel / 316	LED	28w	589,90

\* Standardly supplied with maximum lamp opening angle (48°)  
 \* Standardly supplied with 4000°K lamp.

**Rough increase of LED**

Ref.	Lamp	Colour LED.	W	TP €
5150 00 20 R	LED	Red ●	20w	34,90
5150 00 20 G	LED	Green ●	20w	34,90
5150 00 20 B	LED	Blue ●	20w	34,90
5150 00 30 R	LED	Red ●	28w	69,90
5150 00 30 G	LED	Green ●	28w	69,90
5150 00 30 B	LED	Blue ●	28w	69,90

**OPTIONS LED**

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 20w	2178	2340	2520
Lum 22w asymmetric	2420	2600	2800
Lum 28w	3085	3315	3570

**Rough increase of accessories**

	20w	22w	28w
Ref. 11 Opening angle 11°	8,20	8,90	16,90

**Rough price increase accessories**

	TP €
Ref. 51C3 Recessed box on site	12,90

Adjustable pressing module or turning on the LED board.



Ref. 51C3 Recessed auxiliary box on site.



Ceipro C3 LED asymmetric adjustable circular

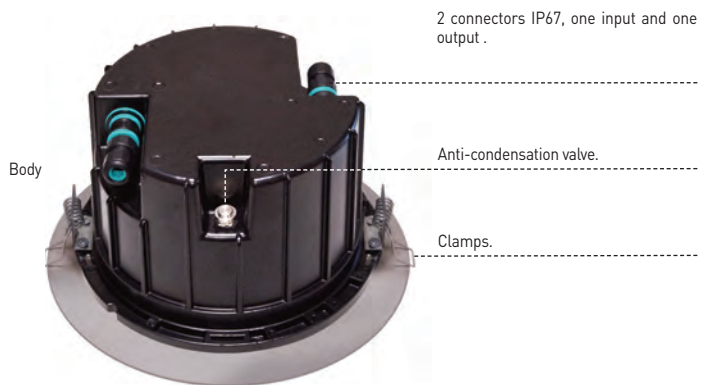
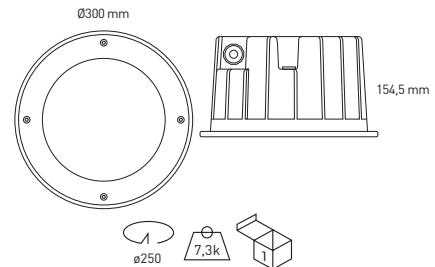
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
5180 00 22 84	Stainless steel / 316	LED	22w	599,90

\* Standardly supplied with maximum lamp opening angle (48°)  
 \* Standardly supplied with 4000°K lamp.

**Rough increase of LED**

Ref.	Lamp	Colour LED.	W	TP €
5180 00 22 R	LED	Red ●	22w	36,90
5180 00 22 G	LED	Green ●	22w	36,90
5180 00 22 B	LED	Blue ●	22w	36,90



Simétrico / Symmetric



Asimétrico / Asymmetric

## CEIPRO C3 LED - RECESSED CEILING OR WALL SQUARE



Ceipro C3 LED adjustable square

Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
5160 00 18 84	Stainless steel / 316	LED	18w	578,10
5160 00 30 84	Stainless steel / 316	LED	30w	630,20

\* Standardly supplied with maximum lamp opening angle (48°)  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.		W	TP €
5160 00 18 R	LED	Red	●	18w	31,42
5160 00 18 G	LED	Green	●	18w	31,42
5160 00 18 B	LED	Blue	●	18w	31,42
5160 00 30 R	LED	Red	●	30w	69,90
5160 00 30 G	LED	Green	●	30w	69,90
5160 00 30 B	LED	Blue	●	30w	69,90

### OPTIONS LED

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lum 18w	1936	2080	2240
Lum 20w asymmetric	2178	2340	2520
Lum 30w	3267	3510	3780

### Rough increase of accessories

Ref. 11	Opening angle 11°	18w	20w	30w
		7,90	8,20	16,90

### Rough price increase accessories

Ref. 51C3	Recessed box on site	€
		12,90

Adjustable pressing module or turning on the LED board.



Ref. 51C3  
Recessed auxiliary box on site.



Ceipro C3 LED asymmetric adjustable square

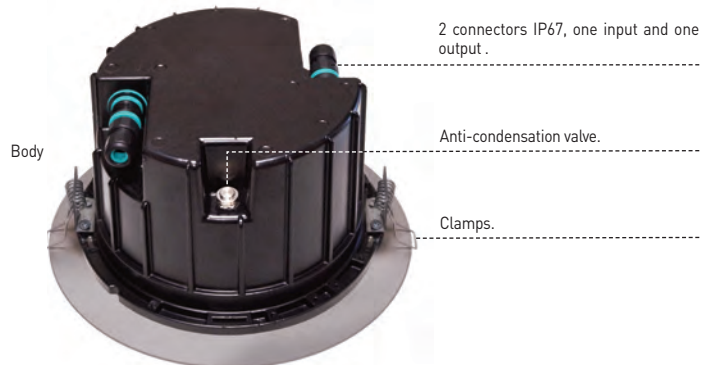
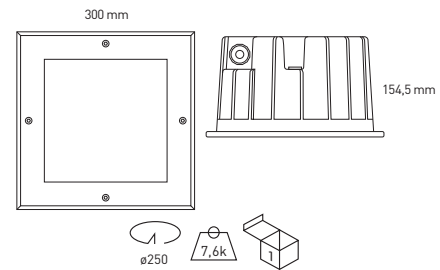
Includes driver and LED Oslon SSL

Ref.	Colour	Lamp.	W	TP €
5170 00 20 84	Stainless steel / 316	LED	20w	653,50

\* Standardly supplied with maximum lamp opening angle (48°)  
\* Standardly supplied with 4000°K lamp.

### Rough increase of LED

Ref.	Lamp	Colour LED.		W	TP €
5170 00 20 R	LED	Red	●	20w	34,90
5170 00 20 G	LED	Green	●	20w	34,90
5170 00 20 B	LED	Blue	●	20w	34,90



Symmetric



Asymmetric



# KIPO

Protection degree IP65. Impact protection IK08



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include control gear and lamps.
- Lamps:** Modules composed of LEDs Duris E5 (15w) and E5 (20w).
- Estimated life:** Estimated life spam 50.000 hours.
- Installation:** Directly screw on ceiling (screw not supplied).
- Colours:** White, black, chrome matt and titanium."



## Kipo 15w / Kipo15w



Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4260 01 84	White	1740	15w	172,70
4260 02 84	Black	1740	15w	174,90
4260 52 84	Matt Chrome	1740	15w	174,90
4260 90 84	Titanium	1740	15w	174,90

\* Standardly supplied with 4000° K LED lamp.

## Kipo 20w



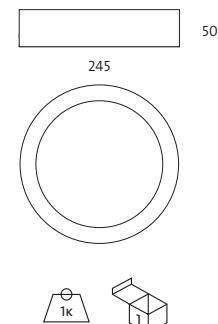
Includes driver and LED lamp

Ref.	Colour	Lumens	W	TP £
4260 01 20 84	White	2677	20w	184,20
4260 02 20 84	Black	2677	20w	189,20
4260 52 20 84	Matt Chrome	2677	20w	189,20
4260 90 20 84	Titanium	2677	20w	189,20

\* Standardly supplied with 4000° K LED lamp.

Rough price increase of driver	TP £
Ref. DR Driver dimmable 1-10V	47,40
Ref. DRD Driver dimmable Dali	52,90
Ref. DRP Dimmable driver with push button	62,50
Ref. DM8 Motion detector Integrated in the luminaire	30,00

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Lumens 15w	1600	1740	2000
Lumens 20w	2600	2677	2677

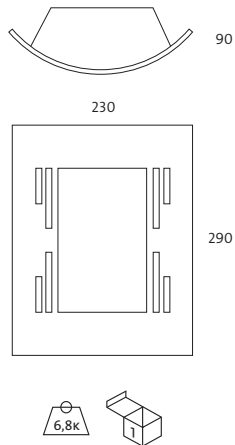


# VANIO / LENY

Grado de protección IP44 / Protection degree IP44



## VANIO

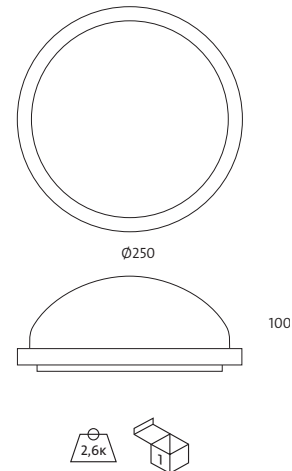


E-27

Without lamps

Ref.	Colour	Port.	W	TP €
940 00	Stainless steel	E-27	-	29,77

## LENY



E-27

Without lamps

Ref.	Colour	Port.	W	TP €
936 00	Stainless steel	E-27	-	29,77

Vanio LED



Includes driver, diffuser and LED 8,4w

Ref.	Colour	Lamp.	W	TP €
940 00 08 85	Stainless steel	LED	7x1,2w	135,39

\* Standardly supplied with 5700° K lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•



# TORTUGA

Protection degree IP44



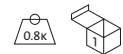
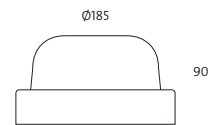
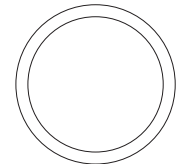
- Material:** Plastic material.
- Optics:** Glass diffuser with high mechanical resistance.
- Supply:** Direct to 220v main, for E-27 lampholder.
- Lamps:** It admits all kind of E-27 lamps, from incandescence until energy saving.
- Installation:** Directly to surface, ceiling or wall by screws (not supplied). Great for terraces and stairs.
- Colours:** White and black.



## E-27

Whithout lamps

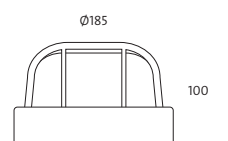
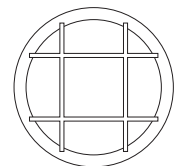
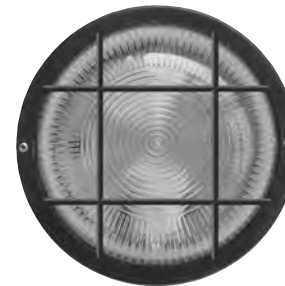
Ref.	Colour	Lamp.	Port.	W	TP €
990 01	White	-	E-27	-	8,22
990 02	Black	-	E-27	-	8,22



## E-27

Whithout lamps

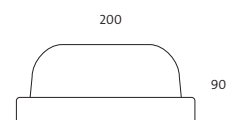
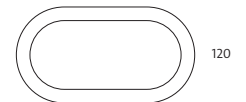
Ref.	Colour	Lamp.	Port.	W	TP €
991 01	White	-	E-27	-	8,43
991 02	Black	-	E-27	-	8,43



## E-27

Whithout lamps

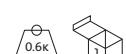
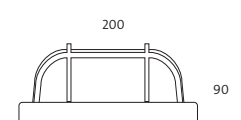
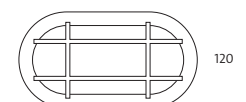
Ref.	Colour	Lamp.	Port.	W	TP €
992 01	White	-	E-27	-	7,40
992 02	Black	-	E-27	-	7,40



## E-27

Whithout lamps

Ref.	Colour	Lamp.	Port.	W	TP €
993 01	White	-	E-27	-	7,62
993 02	Black	-	E-27	-	7,62



# TRESSO

Protection degree IP44



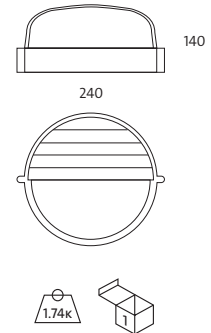
- Material:** Aluminium thermo painted.
- Optics:** High-resistance opal glass diffuser.
- Supply:** Directly connected to the 220v main, for lampholder E-27.
- Lamps:** It uses all kinds of lamps for E-27, from incandescence up to low consumption.
- Installation:** Directly screw on surface ceiling or wall (screw not included). It is suitable for terraces and walking areas.
- Colours:** White and black.



**E-27**

Whithout lamps

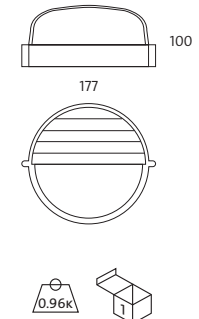
Ref.	Colour	Lamp.	Port.	W	TP €
982 01	White	-	E-27	-	27,62
982 02	Black	-	E-27	-	27,62



**E-27**

Whithout lamps

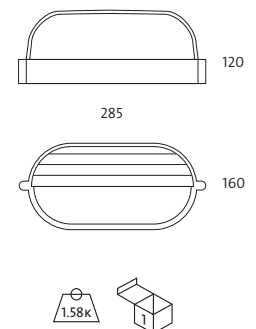
Ref.	Colour	Lamp.	Port.	W	TP €
983 01	White	-	E-27	-	15,83
983 02	Black	-	E-27	-	15,83



**E-27**

Whithout lamps

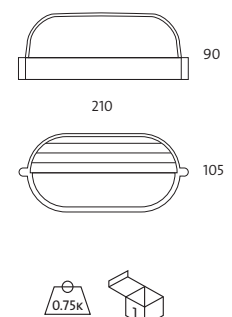
Ref.	Colour	Lamp.	Port.	W	TP €
980 01	White	-	E-27	-	20,15
980 02	Black	-	E-27	-	20,15



**E-27**

Whithout lamps

Ref.	Colour	Lamp.	Port.	W	TP €
981 01	White	-	E-27	-	15,02
981 02	Black	-	E-27	-	15,02



# KALOS

Protection degree IP65



- Material:** Thermo painted injected aluminium.
- Optics:** Aluminium reflector. It includes a sealed glass.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits metallic lineal halide HQI lamps, and LED Osram Golden Dragon modules, suitable for domestic, commercial and industrial areas.
- Installation:** Directly to the wall by screws (not supplied). Great for façade illumination.
- Colours:** Titanium.



Kalos HQI



Includes electronic transformers and HQI lamp

Ref.	Colour	Lamp.	Port.	W	TP £
723 90 70 84	Titanium	HQI lineal	RX7s	70w	269,83
723 90 15 84	Titanium	HQI lineal	RX7s	150w	278,34

\* Standardly supplied with 4200° K lamp.

**OPTIONS**

Colour temperature	Ref. 83	Ref. 84
HQI lineal 70w	•	•
HQI lineal 150w	•	•

Kalos LED



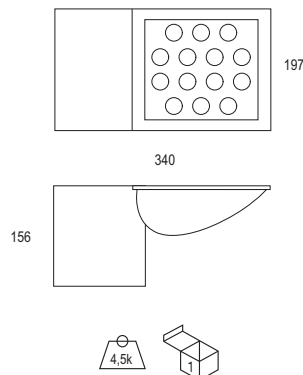
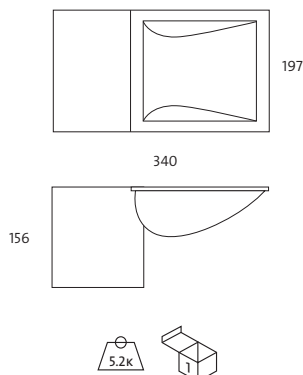
Includes driver and PCB LED 33,6w

Ref.	Colour	Lamp.	Lum.	W	TP £
3203 90 83	Titanium	LED Warm	2520	33,6w	332,91
3203 90 85	Titanium	LED Cold	2520	33,6w	332,91

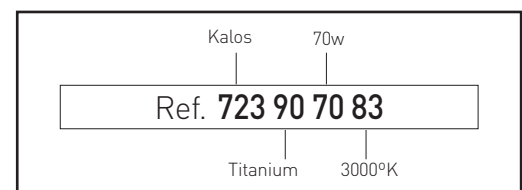
\* Standardly supplied with lamp 5700° K lamp.

**LED OPTIONS**

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•



Example to compose a reference with options



# SINVO

Protection degree IP54



- Material:** Thermo painted injected aluminium.
- Optics:** HQI option can be supplied with symmetric reflector. It includes a sea- led glass.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits metallic lineal halide HQI lamps, and LED Osram Golden Dragon modules, suitable for domestic, commercial and industrial areas.
- Installation:** Directly to the wall by screws (not supplied). Great for façade illumination.
- Colours:** Black.



Sinvo HQI



Sinvo LED

Includes electronic transformers and HQI lamp

Ref.	Colour	Lamp.	Port.	W	TP £
729 02 70 84	Black	HQI lineal	RX7s	70w	242,02
729 02 15 84	Black	HQI lineal	RX7s	150w	246,99

\* Standardly supplied with 4200° K lamp.

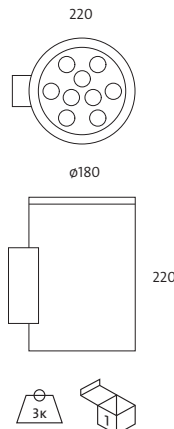
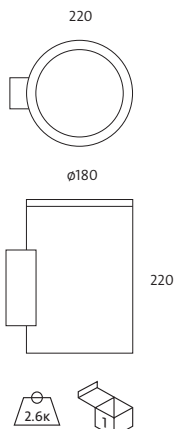
Includes driver and PCB LED 21,6w

Ref.	Colour	Lamp.	Lum.	W	TP £
3198 00 83	Black	LED Warm	1620	21,6w	290,34
3198 00 85	Black	LED Cold	1620	21,6w	290,34

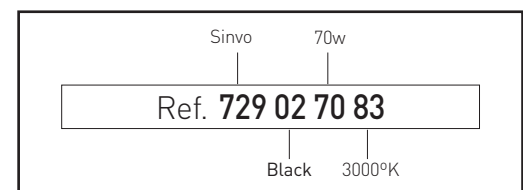
\* Standardly supplied with 5700° K lamp.

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

LED OPTIONS	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Osram Dragon - X	•	•	•



Example to compose a reference with options

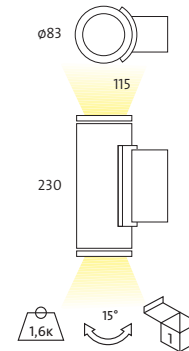


# BISTRO

Protection degree IP65



- Material:** Thermo painted injected aluminium.
- Optics:** Optics are incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits two halogen lamps or LED Golden Osram Dragon lamps.
- Installation:** Directly to wall by screws (not supplied).
- Colours:** Titanium



Bistro LED



Includes driver and lamps LED

Ref.	Colour	Lum.	Port.	W	TP €
1016 90 09 83	Titanium	780	GU-10	2x7w	298,40

\* Standardly supplied with 3000° K lamp.





# BRUKEN

Protection degree IP65



- Material:** Thermo painted injected aluminium.
- Optics:** Only the HQI choice incorporated aluminium reflector. It includes protector sealed glass.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits metallic lineal halide HQI lamps or PCB LEDs Osram Golden Dragon sheet, suitable for outside commercial and industrial areas.
- Installation:** Directly to ceiling or wall (Screws not supplied). It is great for façade illumination.
- Colours:** Titanium.



Bruken HQI



Includes electronic transformers and HQI lamp 4200k°

Ref.	Colour	Lamp.	Port. / L/H	W	TP £
1004 90 70 84	Titanium	HQI lineal	RX7s	70w	398,19
1004 90 15 84	Titanium	HQI lineal	RX7s	150w	423,02

\* Standardly supplied with 4200° K lamp.

**OPTIONS**

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

Bruken LED



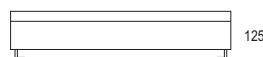
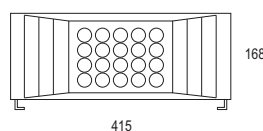
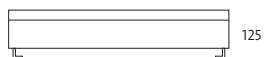
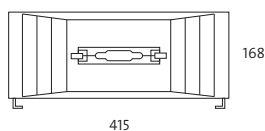
Includes driver and PCB LED 48w

Ref.	Colour	Lamp.	Lum.	W	TP £
3205 90 83	Titanium	LED Warm	3000	48w	524,16
3205 90 85	Titanium	LED Cold	3400	48w	524,30

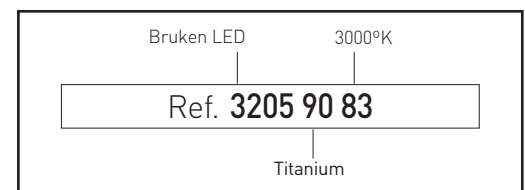
\* Standardly supplied with lamp 5700° K lamp.

**OPTIONS**

	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Lumens Osram Dragon - X	3000	3000	3400



Example to compose a reference with options



# OPER

Protection degree IP55



- Material:** Thermo painted injected aluminium.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits halogen and LED lamps.
- Installation:** Directly screw on ground by screws (not included) or with ground support.
- Colours:** White, black and titanium.



## Oper

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port. / L/H	W	TP £
961 01 05 83	White	180	GU5.3	5w	188,10
961 02 05 83	Black	180	GU5.3	5w	192,60
961 90 05 83	Titanium	180	GU5.3	5w	192,60

\* Standardly supplied with 3000° K lamp.

## Oper 1 metro / 1 meter

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port. / L/H	W	TP £
962 01 05 83	White	180	GU5.3	5w	243,40
962 02 05 83	Black	180	GU5.3	5w	247,60
962 90 05 83	Titanium	180	GU5.3	5w	247,60

\* Standardly supplied with 3000° K lamp.

## 1 meter grounded support

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port. / L/H	W	TP £
963 01 05 83	White	180	GU5.3	5w	215,50
963 02 05 83	Black	180	GU5.3	5w	220,80
963 90 05 83	Titanium	180	GU5.3	5w	220,80

\* Standardly supplied with 3000° K lamp.

## 1 meter grounded support

Includes driver and LED lamp 5w

Ref.	Colour	Lum.	Port. / L/H	W	TP £
964 01 05 83	White	180	GU5.3	5w	270,50
964 02 05 83	lack	180	GU5.3	5w	276,20
964 90 05 83	Titanium	180	GU5.3	5w	276,20

\* Standardly supplied with 3000° K lamp.

# VECOR

Protection degree IP68



- Material:** Stainless steel.
- Optics:** Optics incorporated in the lamps.
- Supply:** It can be optionally supplied with multiple power socket for groups until 10 units, as well as with emergency kit for 50 units with a 5 meters cable and 3 hours of autonomy.
- Lamps:** LED lamp with a 1 individual mini-projector in white, red or blue colour.
- Installation:** Recessed for ground or wall.
- Colours:** Stainless steel.



Includes 1 LED miniprojector

Ref.	Lamp	Colour LED.		W	TP €
1005 00 W	LED	White	○	1w	29,20
1005 00 R	LED	Red	●	1w	29,90
1005 00 B	LED	Blue	●	1w	29,80

Rough increase of accessories TP €

Ref. 3065 Strip of connection includes driver	34,00
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- \* Each strip connects a maximum of 10 miniprojectors.
- \* Essential terminal strip if only for a mini projector.



Rough increase of accessories TP €

Ref. 3064 Emergency kit Vercor	219,90
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- \* Each emergency kit is for a maximum of 50 miniprojectors.



## VECOR RGB

Protection degree IP68



- Material:** Stainless steel.
- Optics:** Optics incorporated in the lamps.
- Supply:** It includes RGB controller with progressive change of colour. It can be optionally supplied with multiple power socket for groups until 10 units, as well as with emergency kit for 50 units with a 5 meters cable and 3 hours of autonomy.
- Lamps:** LED lamp with a 1 individual mini-projector in white, red or blue colour.
- Installation:** Recessed for ground or wall.
- Colours:** Stainless steel.



Includes 1 LED miniprojector

Ref.	Lamp.	Colour LED.	W	TP €
1006 00	LED	RGB <span style="color: red;">●</span> <span style="color: blue;">●</span>	1w	29,90

Rough increase of accessories

Ref.	Controller RGB includes driver	TP €
3066		44,10

\* Each controller controls up to 10 projectors.

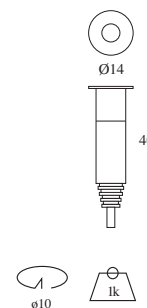
## VECOR 10

Protection degree IP68

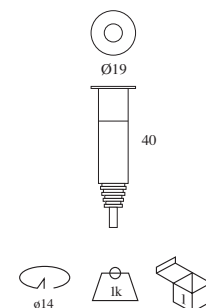
- Material:** Stainless steel.
- Optics:** Optics incorporated in the lamps.
- Supply:** It can be optionally supplied with multiple power socket for groups until 10 units, as well as with emergency kit for 50 units with a 5 meters cable and 3 hours of autonomy.
- Lamps:** LED lamp with a 10 individual mini-projector in white, red or blue colour.
- Installation:** Recessed for ground or wall.
- Colours:** Stainless steel.



VECOR



VECOR RGB



Includes supply, driver and 10 LED miniprojectors

Ref.	Lamp.	Colour LED	W	TP €
1007 00 W	10xLED	White ○	10x1w	274,10
1007 00 R	10xLED	Red ●	10x1w	279,20
1007 00 B	10xLED	Blue ●	10x1w	279,10



# CAMBO FLEXIBLE STRIP

Protection degree IP65



- Material:** Adhesive tape made in thermal and chemical stability polyester film with a silicone wrapper.
- Optics:** Optics incorporated in the lamps.
- Supply:** All models include control gear.
- Lamps:** Flexible LED strips, composed by 60 LEDs per meter that can be warm (3000°K) or cold (6500°K). It can be supplied in RGB model.
- Installation:** Back side of the strips contains 3M adhesive to install directly on metal brackets preferably. If you try to install in others surfaces types, we recommended the use of a heatsink sheet aluminium (Ref 2088) to try to minimize the heat. It can be used in a lot of styles thanks to his flexibility. The cambo flexible strips offer the possibility of being connected to each other thanks to connectors. To make this, it is necessary removes the silicone wrapper. Failure to follow the instructions may result in shorter luminaire life spam.



## Cambo Flexible Strip IP65

### 5 meters roll of IP 65 cold white 6500 K°, 24W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Lum.	Voltage	Power/m	TP £
2012 01 86	10mm	LED 0,08w	60	300	each 5 cm	○	24w	1300	12V DC	400 mA	77,85

### 5 meters roll of IP 65 warm white 3000 K°, 24W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Lum.	Voltage	Power/m	TP £
2012 01 83	10mm	LED 0,08w	60	300	each 5 cm	○	24w	710	12V DC	400 mA	77,85

### 5 meters roll of IP 65 cold white 6500 K°, 36W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Lum.	Voltage	Power/m	TP £
2013 01 86	14mm	LED 0,24w	30	150	each 10 cm	○	36w	1850	DC	600 mA	106,56

### 5 meters roll of IP 65 warm white 3000 K°, 36W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Lum.	Voltage	Power/m	TP £
2013 01 83	14mm	LED 0,24w	30	150	each 10 cm	○	36w	1250	12V DC	600 mA	106,56

### 5 meters roll of IP 65 cold white 6500 K°, 72W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Lum.	Voltage	Power/m	TP £
2014 01 86	14mm	LED 0,24w	60	300	each 10 cm	○	72w	3600	12V DC	1200 mA	159,12

### 5 meters roll of IP 65 warm white 3000 K°, 72W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Lum.	Voltage	Power/m	TP £
2014 01 83	14mm	LED 0,24w	60	300	each 10 cm	○	72w	2880	12V DC	1200 mA	159,12

### 5 meters roll of IP 65 RGB, 36W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Voltage	Power/m	TP £
2015 01	14mm	LED 0,24w	30	150	each 20 cm	●●●	36w	12V DC	600 mA	116,28

### 5 meters roll of IP 65 RGB, 72W

Ref.	Wide	Lamp.	LED/m	LED/roll	Divisible	Colour LED.	W	Voltage	Power/m	TP £
2016 01	14mm	LED 0,24w	60	300	each 5 cm	●●●	72w	12V DC	1200 mA	175,05

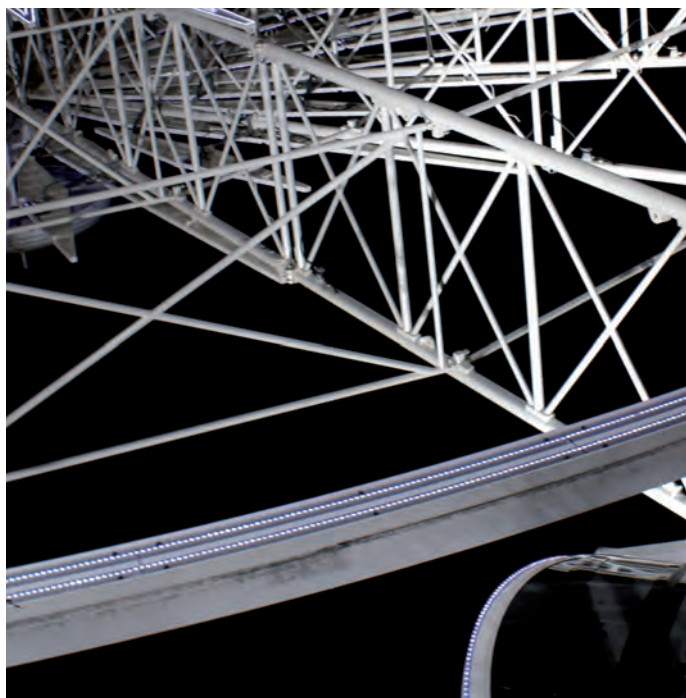


5000 mm



\* The flexible strip is totally isolated with silicone in its whole length and not only over the LEDs, which guarantees the IP65 isolation.

\* Strich shorter than 5 meters are also available to be supplied connected.



## 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.	Medidas / Measures	€
2088	10x1000x2mm	8,29



IP65 CONNECTORS



Wire connector and supply IP65 para 24,36 and 72w

Ref.	TP £
2026	6,78

Connection kit IP65, RGB

Ref.	TP £
2029	8,55

Drivers 12V IP65



Driver IP65 LED max. 12V DC 30W

Ref.	Measures	TP £
2080	220x30x20	38,20



Driver IP65 LED max. 12V DC 60W

Ref.	Measures	TP £
2081	190x70x50	68,82

Driver IP65 LED max. 12V DC 100W

Ref.	Measures	TP £
2082	240x70x50	125,32

Driver IP65 LED max. 12V DC 150W

Ref.	Measures	TP £
2083	240x68x55	142,84



Driver adjustable IP65 1-10V or PWM signal for flexible strip

Ref.	Measures	W	€
3280 30	145x47x30mm	until 30w	75,78
3280 40	163x47x32mm	until 40w	110,34
3280 12	200x70x40mm	until 120w	224,01
3280 15	205x70x40mm	until 150w	238,05

\* IP65 flexible strips can also use the driver with IP20, when they are not exposed to the outside.

Basic RGB surface controller or remote control

**Description:** RGB controller is a device ready to control low voltage RGB products.

It has a selector switch with 7 positions: red, green, yellow, blue, cyan, magenta and white that can be in statics or finetuning mode. It stores and reproduces until 11 different color patterns. Pushing "mode" button, you can choose the pattern, and you can change the speed pushing "speed" button mode.

**Temperatura:** -20° to 60°C

**Voltage:** 12VDC. Never connect to 24V DC or 220V AC.

**Ouput:** 3 CMOS [Complementary metal oxide semiconductor].

**Connection:** Common anode.



Controller RGB surface

Ref.	Measures	Weight	Voltage	TP £
2060	105x75x29	120g	12V DC	92,51



Controller RGB with remote control

Ref.	Measures	Weight	Voltage	TP £
2061	95x65x25	250g	12V DC	113,18

## RGB DMX recessed controller

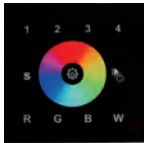
**Instalación** RGBW 4500 controller allows us to control of RGB (W) through DMX. Maximum distance which we can cover is 500 meters. We can control 4 independent areas, we are able to assign a high number of floodlights for each area of our controller.

**Temperatura:** -20° to 60°C

**Voltios:** 12VDC. Never connect to 24V DC or 220V AC.

**Rendimiento:** Complementary metal oxide semiconductor.

**Conexión:** Common anode.



Ref. 4300  
Touch panel controlled by wall recessed RGBW DMX.

### RGBW Controller

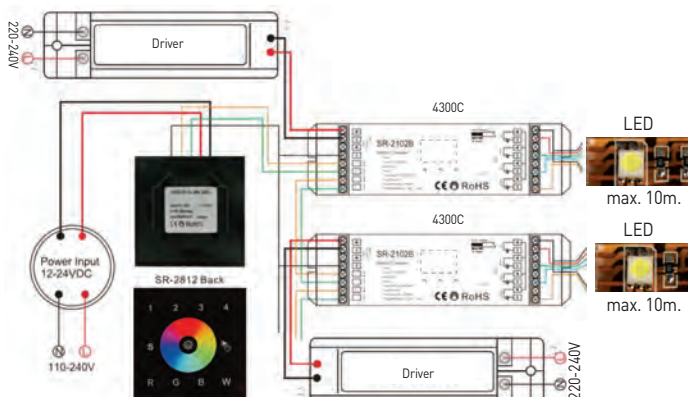
Ref.	Description	TP €
Ref. 4300	Touch panel controlled by wall recessed RGBW DMX	335,52



Ref. 4300C

Ref.	Description	TP €
Ref. 4300C	DMX controller up to 10m, LED strip RGB.	221,60

### Connection scheme



## RGB controller with remote control

**Instalación** RGBW 4502 controller allows us to control RGB (W). With this controller, you can separately control 10 areas, we are able to choose the primary colors (RGB) and white (W) or a mixed of them. With its system of touch selection is possible to select a wide range of colors. The distance you can control the lighting equipment is approximately 30m. We can control up to 6 independent areas.

**Temperatura:** -20° to 60°C

**Voltios:** 12VDC. Never connect to 24V DC or 220V AC.

**Rendimiento:** Complementary metal oxide semiconductor.

**Conexión:** Common anode.



Ref. 4302  
RGBW controller portable wireless by Radio Frecuency.

### RGBW Controller

Ref.	Description	TP €
Ref. 4302	RGBW controller portable wireless by Radio Frecuency	330,00



Ref. 4302R



Ref. 4302A

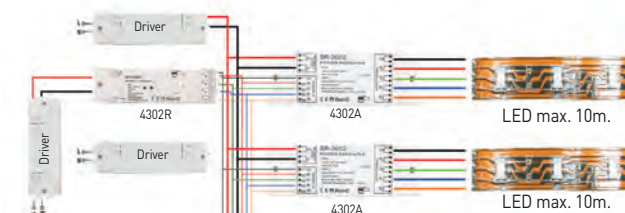
Ref.	Description	TP €
Ref. 4302R	Receptor up to 10m, LED strip RGB	194,80
Ref. 4302A	Amplifier for LED strip RGB up to 10m.	149,80

### Connection scheme

#### Independent LED strip controller



#### Controller LED strip joint.



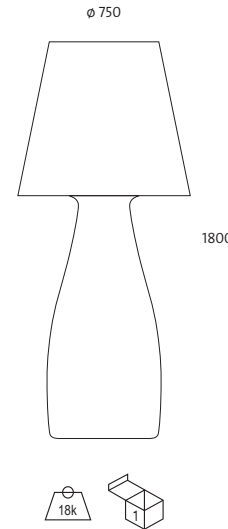


# TELMA

Protection degree IP64



- Material:** Rotation-molded polyethylene.
- Optics:** Backlighted volume that makes that the whole luminaire works like a diffuser.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses fluorescent T5 ultra-thin lamps with only a diameter of 16mm. Standardly supplied with 4000°k temperature colour.
- Installation:** Directly on ground. It is great for outdoor lighting, garden areas or mark off perimeters.
- Colours:** White.
- Options:** It can be supplied with LED strip and remote controller.



Telma T5

G5

Includes electronic ballast and T5 lamp 35w

Ref	Colour	Lamp.	Port. / L/H	W	TP £
2002 01 35	White	T5	G5	35w	590,80

\* Standardly supplied with 4200° K lamp.

Telma LED



Includes driver and LED strip 30w

Ref.	Colour	Lamp.	W	TP £
2002 01 30	White	LED	30w	836,19

\* Standardly supplied with 6500° K lamp.

Rough increase of accessories

TP £

Ref. 2061	RGB LED and remote control	122,10
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LED OPTIONS

Ref. 83

Ref. 86

IRC>80 /Colour temperature	3000K°	6500°K
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LED strip	•	•
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# CUBIC

Protection degree IP64



- Material:** Rotation-molded polyethylene.
- Optics:** Backlighted volume that makes that the whole luminaire works like a diffuser.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits E-27, PL-C lamps and flexible LED IP65 Cambo strips .
- Installation:** Directly on ground or ceiling by screws (not included) or hang up by a suspension kit.
- Colours:** White.



Cubic Ground

E-27

Includes E-27 lamp 20w

Ref.	Colour	Lamp.	Port. / L/H	W	TP €
2000 01 13	White	PL-C	E-27	20w	121,02

Standardly supplied with E-27/20w.  
Standardly supplied with 4200° K lamp.



Includes driver and LED strip 15w

Ref.	Colour	Lamp.	W	TP €
2000 01 15	White	LED	15w	258,44

Standardly supplied with 6500° K lamp.



Cubic Suspension

E-27

Includes E-27 lamp 20w

Ref.	Colour	Lamp.	Port. / L/H	W	TP €
2100 01 13	White	PL-C	E-27	20w	161,52

Standardly supplied with E-27/20w.  
Standardly supplied with 4200° K lamp.



Includes driver and LED strip 15w

Ref.	Color / Colour	Lamp.	W	TP €
2100 01 15	Blanco / White	LED	15w	295,79

Standardly supplied with 6500° K lamp.



Cubic Surface

E-27

Includes E-27 lamp 20w

Ref.	Colour	Lamp.	Port. / L/H	W	TP €
2101 01 13	White	PL-C	E-27	20w	151,10

Standardly supplied with E-27/20w.  
Standardly supplied with 4200° K lamp.



Includes driver and LED strip 15w

Ref.	Colour	Lamp.	W	TP €
2101 01 15	White	LED	15w	197,46

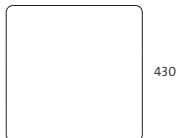
Standardly supplied with 6500° K lamp.

Rough increase of accessories

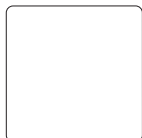
Ref.	TP €
2061 RGB LED and remote control	122,10

LED OPTIONS

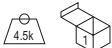
	Ref. 83	Ref. 86
IRC>80 / Colour temperature	3000K°	6500°K
Tira de LED / LED strip	•	•



430



430



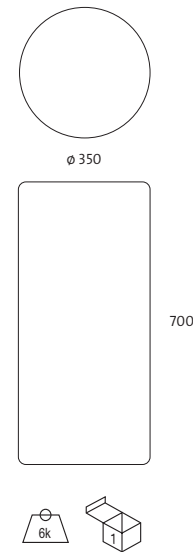
Ref. 2061  
RGB Remote control

# TUBIC

Protection degree IP64



- Material:** Rotation-molded polyethylene.
- Optics:** Backlighted volume that makes that the whole luminaire works like a diffuser.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits PL-C lamps and flexible strips LED IP65 Cambo.
- Installation:** Directly on ground. It is great for outdoor lighting, garden areas or mark off perimeters.
- Colours:** White.
- Options:** It can be supplied with LED strip and remote controller.



## Tubic LED



Includes driver and LED strip 20w

Ref.	Colour	Lamp.	W	TP €
2001 01 20	White	LED	20w	269,38

Standardly supplied with 6500° K lamp.

Rough increase of accessories				TP €
Ref. 2061	RGB LED and remote control			122,10

LED OPTIONS	Ref. 83	Ref. 86
IRC>80 / Colour temperature	3000K°	6500°K
Tira de LED / LED strip	•	•

## Tubic PL-C

E-27

Includes E-27 lamp 14w

Ref.	Colour	Lamp.	Port. / L/H	W	TP €
2001 01 13	White	PL-C	E-27	14w	135,96

Standardly supplied with E-27/14w.  
Standardly supplied with 4200° K lamp.

# NAYA

Protection degree IP64



- Material:** Rotation-molded polyethylene.
- Optics:** Backlighted volume that makes that the whole luminaire works like a diffuser.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits PL-C lamps and flexible strips LED IP65 Cambo.
- Installation:** Directly on ground. It is great for outdoor lighting, garden areas or mark off perimeters.
- Colours:** White.
- Options:** It can be supplied with LED strip and remote controller.



Naya PL-C

E-27

Includes E-27 lamp 20w

Ref.	Colour	Lamp.	Port. / L/H	W	TP £
2003 01 13	White	PL-C	E-27	20w	194,05

Standardly supplied with E-27/20w.  
Standardly supplied with 4200° K lamp.

Naya LED



includes driver and LED strip 15w

Ref.	Colour	Lamp.	W	TP £
2003 01 15	White	LED	15w	287,64

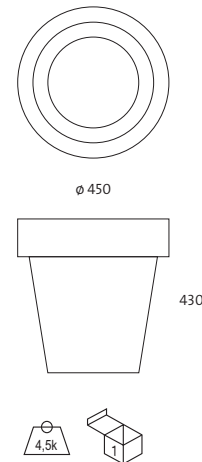
\* Standardly supplied with 6500° K lamp.

Rough increase of accessories

Ref.	TP £
2061 RGB LED and remote control	122,10

LED OPTIONS

	Ref. 83	Ref. 86
IRC>80 / Colour temperature	3000K°	6500°K
LED strip	•	•



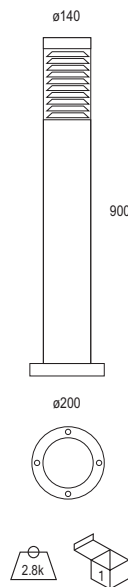
Ref. 2061  
RGB Remote control

# GOR

Protection degree IP44



- Material:** Thermo painted injected aluminium.
- Optics:** Anti-dazzling grid that redirect the light beam to the floor.
- Supply:** All models include control gear and lamps.
- Lamps:** It admits PL-C and LED lamps.
- Installation:** Directly to the ground (Screws not supplied). It is great for garden areas and delimit the access.
- Colours:** Black



Gor / Gor PL-C

E-27

Includes control gear and PL -C lamp

Ref.	Colour	Lamp.	Port. / L/H	W	TP €
968 02	Black	-	E-27	-	123,45
968 02 13 84	Black	PL-C	G24q-1	13w	140,75
968 02 18 84	Black	PL-C	G24q-2	18w	140,76
968 02 26 84	Negro / Black	PL-C	G24q-3	26w	140,76

Gor LED



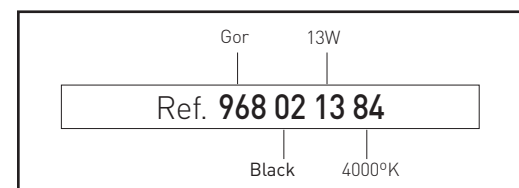
Includes driver and LED lamp de 5,5w

Ref.	Colour	Lamp.	W	TP €
968 02 05 84	Black	LED	5,5w	149,50

\* Standardly supplied with 5700° K lamp.

OPCIONES LED 5,5w	Ref. 83	Ref. 84	Ref. 85
IRC>80 / Colour temperature	3000°K	4000°K	5700°K
Lumens LED Osram Dragon - X	450	450	510

Example to compose a reference with options



A close-up, low-angle shot of a modern industrial lighting fixture. The fixture is a rectangular panel with a grid of numerous small, square LED lights. The panel is mounted on a dark metal frame. The background is a light-colored, possibly white, ceiling with a grid pattern. The overall lighting is bright and even.

# INDUSTRIAL LIGHTING



High bays and flood light

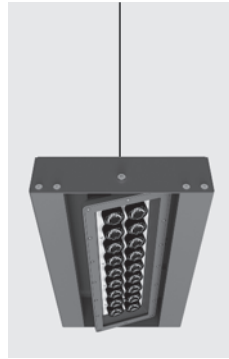




Industrial high bays

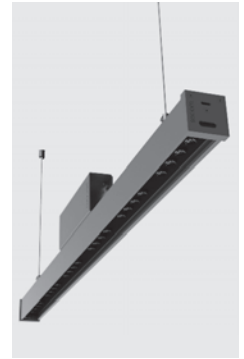


Konak 300



Esdium Industrial M1 302  
Esdium Industrial M2  
Esdium Industrial M3  
Esdium Industrial M4

Linear luminaire



Larnik Industrial suspensión 306  
Larnik Industrial surface 308

Flood light



Protek 312



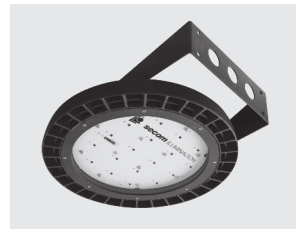
Protek Q2 314



Esdium Pro - M1 - horizontal 316  
Esdium Pro - M2 - horizontal  
Esdium Pro - M3 - horizontal  
Esdium Pro - M3 - vertical  
Esdium Pro - M4 - vertical  
Esdium Pro - M5 - vertical  
Esdium Pro - M6 - vertical

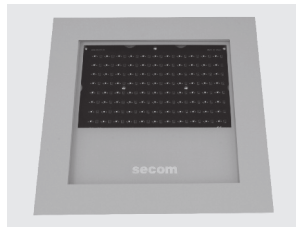


Larnik Outdoor linear luminaire 322



Kusto 324

Flood light for petrol station



Protek Q3 326





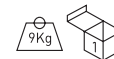
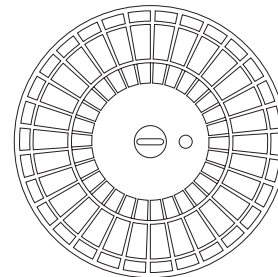
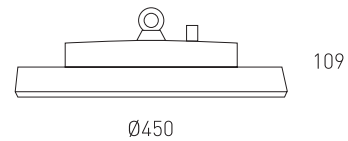


# KONAK

Protection degree IP65. Impact protection IK08



- Material:** Body made of thermo painted injected aluminum.
- Optics:** LED lamps include 80° optics. Includes waterproof polycarbonate with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with 1-10V dimmable driver (Ref.- DR), Dali dimmable driver (Ref.- DRD) or programmable dimmable driver (Ref.- DRP) and emergency kit for LED with 1h or 3h autonomy (KE1-KE3).
- Lamps:** Module composed by Oslon SLL Osram LED with a total power of 40w, 100w, 150w, 200w and 250w. Available in 3000K, 4000K and 5000K. CRI>80. Includes protector LED to increase the reliability.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The PCB board incorporates protector diodes to increase the reliability. The programmable version includes NTC sensor for protection against occasional overtemperature, reducing the working power or even turning off the luminaire.
- Installation:** Directly hung up on ceiling by a suspension kit (Screw and suspension not included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray. Opal diffuser closure.



Includes driver and LEDs lamp

Ref.	Colour	Lumens	W	TP £
4290 58 40 85	Gray	5314	40w	427,50
4290 58 10 85	Gray	12399	100w	457,70
4290 58 15 85	Gray	19484	150w	584,20
4290 58 20 85	Gray	25978	200w	698,60
4290 58 25 85	Gray	30996	250w	915,80

Standardly supplied with 5000°K LED lamp.  
Standardly supplied with 80° optics.

OPTIONS LED

	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5000°K
Lumens Osram Oslon SSL	40w	4536	4860	5314
	100w	10584	11340	12399
	150w	16632	17820	19484
	200w	22176	23760	25978
	250w	26460	28350	30996



Rough price increase of accessories

		40w	100w	150w	200w	250w
Ref. DR	Dimmable driver 1 - 10v	-	51,50	176,40	243,20	352,80
Ref. DRD	Dimmable driver Dali	51,30	64,80	182,40	268,50	356,60
Ref. DRP	Programmable driver	71,30	94,80	183,50	288,50	356,40
Ref. PCFT16	Control flow sensor and presen. to 10 lum. DRD	268,90	268,90	268,90	268,90	268,90
Ref. KE1	Emergency Kit 1 hour of autonomy	155,60	155,60	155,60	155,60	155,60
Ref. KE3	Emergency Kit 3 hours of autonomy	192,60	192,60	192,60	192,60	192,60
Ref. 3409	Leds with optics 48°	32,40	72,24	-	140,00	-
Ref. 3421	Leds with optics 150°	1,40	3,30	5,50	6,60	7,90
Ref. 4315	Opal diffuser	12,90	12,90	12,90	12,90	12,90
Ref. DM8	Motion detector	30,00	30,00	30,00	30,00	30,00

Rough price increase of lamp

		40w	100w	150w	200w	250w
Ref. 817	 LEDs Wineries - 1700°K	31,30	69,85	99,90	123,20	145,95
Ref. 8H	 LEDs Horticulture	45,35	105,80	166,32	221,20	264,60

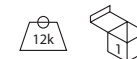
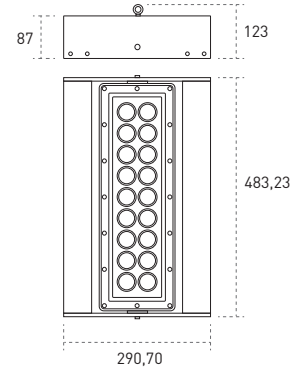


# ESDIUM INDUSTRIAL

Protection degree IP66. Impact protection IK08/10



- Material:** Module and body made of thermo painted injected aluminum and steel.
- Optics:** LED modules include 100°, 50°, 41°, 32°, 21° and asymmetric 2 sides optics. Includes waterproof methacrylate (PMMA) with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with 1-10V dimmable driver (Ref.- DR), Dali dimmable driver (Ref.- DRD) or programmable dimmable driver (Ref.- DRP) and Regulation at the heady (DRC).
- Lamps:** Module composed by M or Mz Lumileds Luxeon LED with a total power of 150w, 300w, 450w and 600w. Available in 3000K, 4000K and 5000K. CRI>80.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly hung up on ceiling by a suspension kit (Screw and suspension not included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray. Opal diffuser closure. It can be supplied in other RAL colours by request.



Esdium Industrial LED M1

## Esdium Industrial M1 - 150w - Optics 100° opening.



Includes driver and LEDs lamp

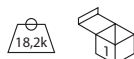
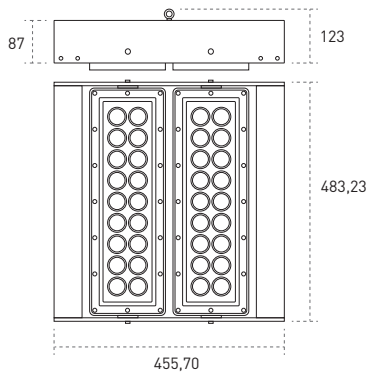
Ref.	Colour	Lumens	Module	W	TP €
4400 58 15 0 85	Gray	16560	M1 (1)	150w	720,10

Standardly supplied with 5000°K LED lamp.  
Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumileds	150w	15300	16290	16560

Rough price increase of optics		150w
Ref. 1	Extensive symmetric optics 41°	79,38
Ref. 2	Medium symmetric optics 32°	79,38
Ref. 3	Intensive symmetric optics 21°	79,38
Ref. 4	Frontal asymmetric optics 50°	94,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	94,50

Rough price increase of accessories		150w
Ref. DR	Dimmable driver 1 - 10v	135,00
Ref. DRD	Dimmable driver Dali	139,00
Ref. DRP	Programmable driver	165,00

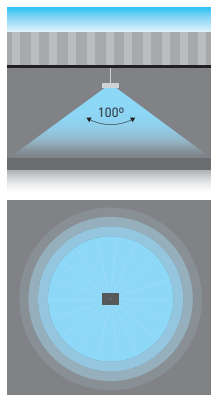


Esdium Industrial LED M2



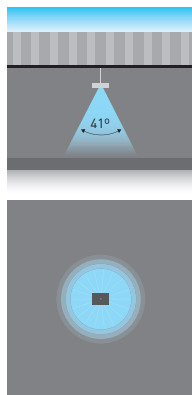
Ref. 0

Without secondary optics 100°.



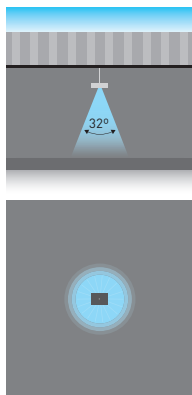
Ref. 1

Extensive symmetric optics 41°.



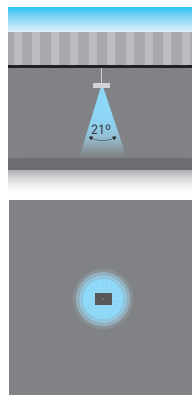
Ref. 2

Medium symmetric optics 32°.



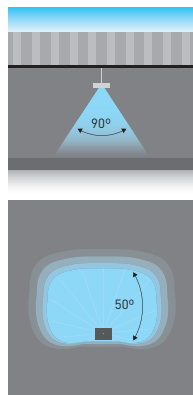
Ref. 3

Intensive symmetric optics 21°.



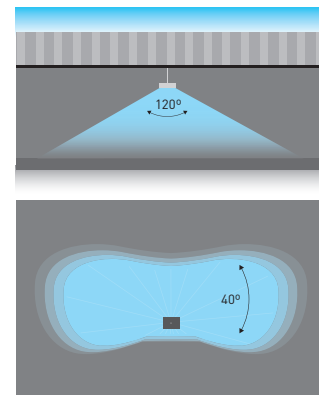
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



Esdium Industrial M2 - 300w - Optics 100° opening.



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
4400 58 30 0 85	Gray	33120	M2 [2]	300w	1190,00

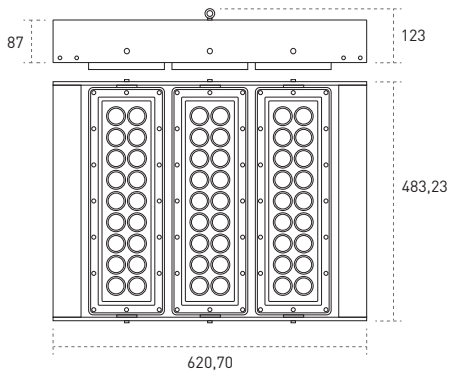
Standardly supplied with 5000°K LED lamp.  
Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens	30600	32580	33120

Rough price increase of optics		300w
Ref. 1	Extensive symmetric optics 41°	158,76
Ref. 2	Medium symmetric optics 32°	158,76
Ref. 3	Intensive symmetric optics 21°	158,76
Ref. 4	Frontal asymmetric optics 50°	189,90
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	189,90

Rough price increase of accessories		300w
Ref. DR	Dimmable driver 1 - 10v	270,00
Ref. DRD	Dimmable driver Dali	278,00
Ref. DRP	Programmable driver	330,00





**Esdium Industrial LED M3**

**Esdium Industrial M3 - 450w - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
4400 58 45 0 85	Gray	49680	M3 (3)	450w	1725,20

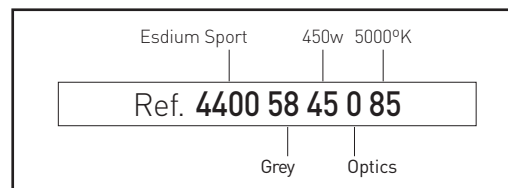
Standardly supplied with 5000°K LED lamp.  
Standardly supplied optics 100° opening.

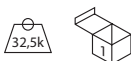
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	450w	45900	48870	49680

Rough price increase of optics		450w
Ref. 1	Extensive symmetric optics 41°	238,14
Ref. 2	Medium symmetric optics 32°	238,14
Ref. 3	Intensive symmetric optics 21°	238,14
Ref. 4	Frontal asymmetric optics 50°	283,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	283,50

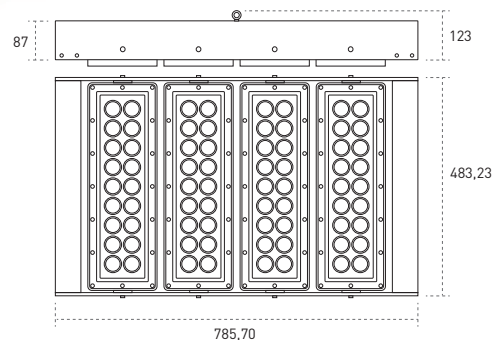
Rough price increase of accessories		450w
Ref. DR	Dimmable driver 1 - 10v	405,00
Ref. DRD	Dimmable driver Dali	417,00
Ref. DRP	Programmable driver	495,00

Example to compose a reference with options



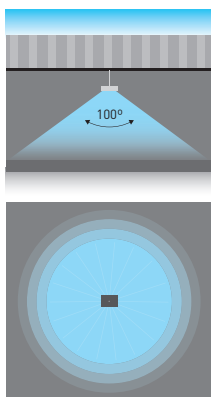


**Esdium Industrial LED M4**



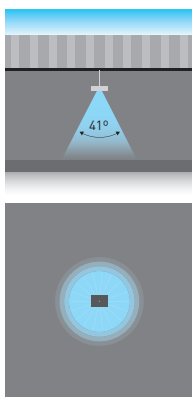
Ref. 0

Without secondary optics 100°.



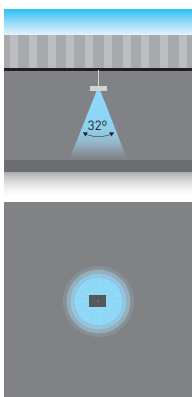
Ref. 1

Extensive symmetric optics 41°.



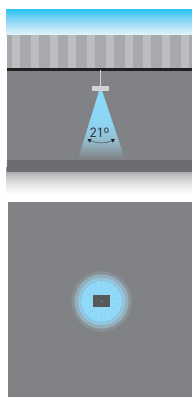
Ref. 2

Medium symmetric optics 32°.



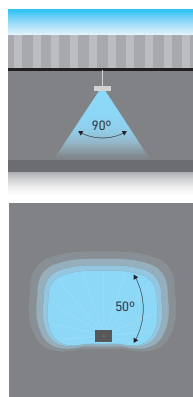
Ref. 3

Intensive symmetric optics 21°.



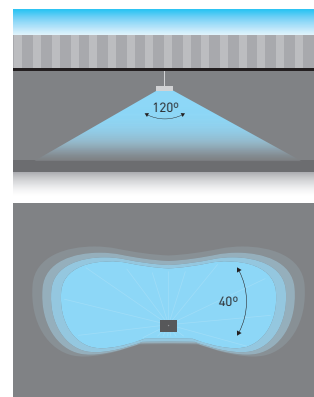
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



**Esdium Industrial M4 - 600w - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
4400 58 60 0 85	Gray	66240	M4 (4)	600w	2295,12

Standardly supplied with 5000°K LED lamp.  
°Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens / Lumileds	600w	61200	65160

Rough price increase of optics	600w
Ref. 1 Extensive symmetric optics 41°	317,52
Ref. 2 Medium symmetric optics 32°	317,52
Ref. 3 Intensive symmetric optics 21°	317,52
Ref. 4 Frontal asymmetric optics 50°	378,00
Ref. 5 Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	378,00

Rough price increase of accessories	600w
Ref. DR Dimmable driver 1 - 10v	540,00
Ref. DRD Dimmable driver Dali	556,00
Ref. DRP Programmable driver	660,00

# LARNIK INDUSTRIAL

Protection degree IP67. Impact protection IK08/10



- Material:** Body made of thermo painted extruded aluminum.
- Optics:** LED modules include 7°, 14°, 29° and 46° optics. Includes waterproof methacrylate (PMMA) with UV protection and silicone injection.
- Supply:** Watertight driver included for all models. Optionally supplied with Dali dimmable driver (Ref.- DRD).
- Lamps:** Module composed by Oslon SSL LED with a total power of 12w, 25w, 40w, 50w and 80w. Available in 3000K, 4000K and 5000K. CRI>80.
- Life span:** Estimated Average Life span 60.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly hung up on ceiling by a suspension kit (screw and suspension not included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 45°C.
- Colours:** Luminaire in gray. Opal diffuser closure.  
It can be supplied in other RAL colours by request.



Larnik Industrial - Independent Connection/suspension



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Measure	W	TP £
543 58 1 12 3 85	Gray	1512	500x50	12w	401,24
543 58 1 25 3 85	Gray	3024	500x50	25w	455,96
543 58 2 25 3 85	Gray	3024	1.000x50	25w	606,74
543 58 2 50 3 85	Gray	6048	1.000x50	50w	669,20
543 58 3 40 3 85	Gray	4536	1.500x50	40w	766,04
543 58 3 80 3 85	ray	9072	1.500x50	80w	879,22

Standardly supplied with 5000°K LED lamp.  
Standardly supplied with 46° optics.  
Standardly supplied with suspension 1.200 mm.

Larnik Industrial - Linear connection / suspension



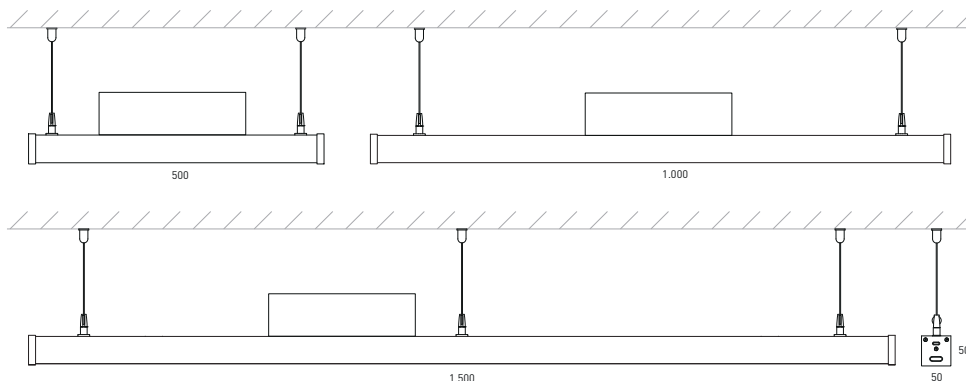
Includes driver and LEDs lamp

Ref.	Colour	Lumens	Measure	W	TP £
545 58 1 12 3 85	Gris / Gray	1512	500x50	12w	406,34
545 58 1 25 3 85	Gris / Gray	3024	500x50	25w	461,06
545 58 2 25 3 85	Gris / Gray	3024	1.000x50	25w	611,84
545 58 2 50 3 85	Gris / Gray	6048	1.000x50	50w	674,30
545 58 3 40 3 85	Gris / Gray	4536	1.500x50	40w	771,14
545 58 3 80 3 85	Gris / Gray	9072	1.500x50	80w	884,32

Standardly supplied with 5000°K LED lamp.  
Standardly supplied with 46° optics.  
Standardly supplied with suspension 1.200 mm.



Larnik Industrial - Suspension



**OPTIONS LED**

	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5000°K
Lumens / LUMENS	12w	1404	1512	1512
	25w	2808	3024	3024
	40w	4212	4536	4536
	50w	5616	6048	6048
	80w	8424	9072	9072

Incremento respecto a la lámpara / Rough price increase of lamp	12w	25w	40w	50w	80w
Ref. 817  LEDs Wineries - 1700°K	10,30	22,60	36,10	45,20	72,20
Ref. 8H  LEDs Horticulture	28,50	34,20	54,72	68,40	109,44

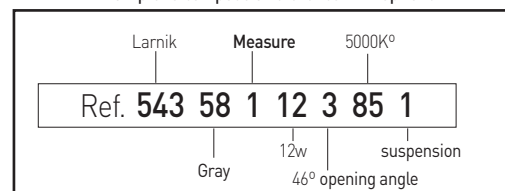
**OPTIONS**

Ref. 0	Strech blind 1.000 mm.	€	28,90
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**OPCIONES / OPTIONS**

	12w	25w	40w	50w	80w
Ref. DRD Dimmable driver Dali	31,20	31,20	80,00	80,00	90,00
Ref. 0 Symmetric optics 7°	6,40	8,12	10,82	12,60	15,20
Ref. 1 Symmetric optics 14°	6,42	8,14	10,84	12,62	15,22
Ref. 2 Symmetric optics 29°	6,44	8,16	10,86	12,64	15,24
Ref. 2 Suspensión 2.000 mm. (2 unds.)	23,60	23,60	23,60	23,60	23,60
Ref. 3 Suspensión 3.000 mm. (2 unds.)	25,60	25,60	25,60	25,60	25,60

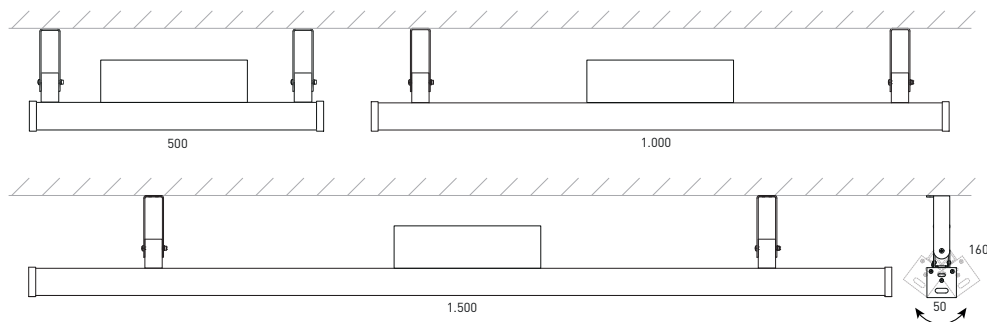
Example to compose a reference with options







Larnik industrial LED - Surface



Larnik Industrial - Independent Connection/ surface

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Measure	W	TP €
544 58 1 12 3 85	Gray	1512	500x50	12w	383,11
544 58 1 25 3 85	Gray	3024	500x50	25w	437,83
544 58 2 25 3 85	Gray	3024	1.000x50	25w	588,61
544 58 2 50 3 85	Gray	6048	1.000x50	50w	651,07
544 58 3 40 3 85	Gray	4536	1.500x50	40w	747,91
544 58 3 80 3 85	Gray	9072	1.500x50	80w	861,80

Standardly supplied with 5000°K LED lamp.  
Standardly supplied with 46° optics.  
Standardly supplied with wall or ceiling fixings.

Larnik Industrial - Linear connection / surface

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Measure	W	TP €
546 58 1 12 3 85	Gray	1512	500x50	12w	388,21
546 58 1 25 3 85	Gray	3024	500x50	25w	442,93
546 58 2 25 3 85	Gray	3024	1.000x50	25w	593,71
546 58 2 50 3 85	Gray	6048	1.000x50	50w	656,17
546 58 3 40 3 85	Gray	4536	1.500x50	40w	753,01
546 58 3 80 3 85	Gray	9072	1.500x50	80w	866,90

Standardly supplied with 5000°K LED lamp.  
Standardly supplied with 46° optics.  
Standardly supplied with wall or ceiling fixings.

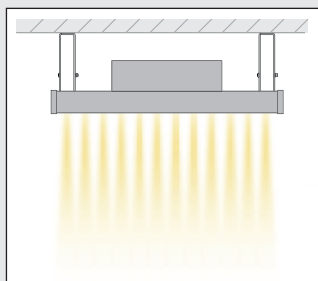
OPTIONS

Ref.	Description	TP €
CL01	Power cable and cont. line connector 1,5 m.	19,90
CL15	Power cable and cont. line connector 15 m.	81,20

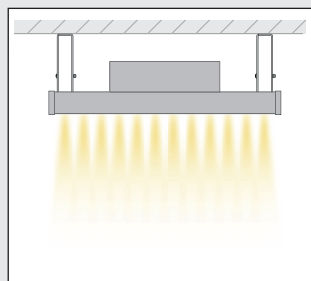


CL01 / CL15

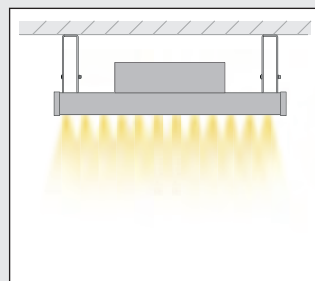
Ref. 0 - Óptica simétrica 7°



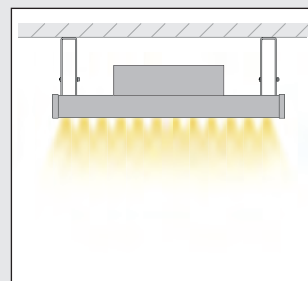
Ref. 1 - Óptica simétrica 14°



Ref. 2 - Óptica simétrica 29°



Ref. 3 - Óptica simétrica 46°







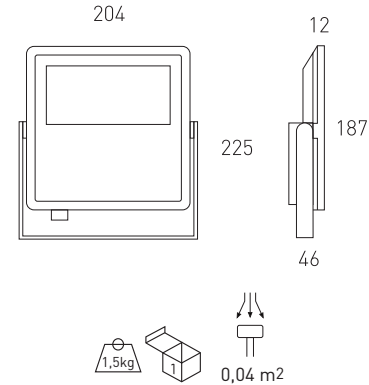


# PROTEK

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, thermo painted.
- Optics:** Optic included in the LED lamps. Includes waterproof polycarbonate protection with UV protection.
- Supply:** Driver included for all models. Optionally supplied with RGBW driver controlled by DMX protocol, waterproof box separately (excluding joystick).
- Lamps:** Osram Leds Module composed Duris E5 with 8/16/25/50W power. Ra (CRI) > 80 and available in three colour temperatures 3000°K, 4000°K and 5700°K. The RGBW module consists of 6 Osram Ostar LED Stage mixed colours, Red, Green, Blue and White (6500K) colour with a power of 50W.
- Life span:** Estimated Average Life span 40.000 hours.
- Installation:** Directly to wall or street furniture not (screws no included).
- Colours:** White, black and gray.



Protek LED



Includes protection polymer, driver and Leds lamps

Ref.	Colour	Lamp.	Lumens	W	TP €
4125 01 08 85	White	LED	1055	8w	104,04
4125 02 08 85	Black	LED	1055	8w	105,48
4125 58 08 85	Gray	LED	1055	8w	105,48
4125 01 16 85	White	LED	2110	16w	122,58
4125 02 16 85	Black	LED	2110	16w	124,29
4125 58 16 85	Gray	LED	2110	16w	124,29
4125 01 25 85	White	LED	3162	25w	127,65
4125 02 25 85	Black	LED	3162	25w	128,88
4125 58 25 85	Gray	LED	3162	25w	128,88
4125 01 50 85	White	LED	6332	50w	163,98
4125 02 50 85	Black	LED	6332	50w	165,78
4125 58 50 85	Gray	LED	6332	50w	165,78

\* Standardly supplied with 5700° K lamp.





Video Instalación

### Protek Arm

Wall arm sujetcion

#### Protek Arm

Ref.	Colour	Medida / Measure	TP €
35 01 01	White	500 mm.	79,40
35 01 02	Black	500 mm.	79,40
35 01 58	Gray	500 mm.	79,40
35 02 01	White	1.000 mm.	84,20
35 02 02	Black	1.000 mm.	84,20
35 02 58	Gray	1.000 mm.	84,20
35 03 01	White	1.500 mm.	89,80
35 03 02	Black	1.500 mm.	89,80
35 03 58	Gray	1.500 mm.	89,80

Rough price increase of accesories

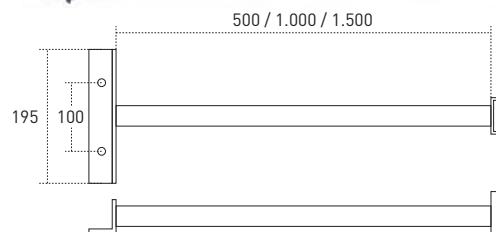
Ref. AM	Special marine environment paint	€	40,00
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OPCIONES / OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5700°K
Lumens Osram Duris E5	8w	969	1055	1055
	16w	1939	2110	2110
	25w	2909	3162	3162
	50w	5818	6332	6332

#### OPTIONS

Rough price increase of accesories		8w	16w	25w	50w
Ref. DRF	Dimmable driver edge phase	22,22	22,22	22,22	-
Ref. DR	Dimmable driver 1 - 10v	49,40	49,90	52,20	64,90
Ref. DRD	Dimmable driver Dali	49,90	50,60	53,40	65,80
Ref. 4160	Driver for 12Vdc operation	42,90	42,90	42,90	-
Ref. 4160 24	Driver for 24Vdc operation	42,90	42,90	42,90	-

Rough price increase of accesories		TP €
Ref. 4131	Opal diffuser	9,90
Ref. AM	Special marine environment paint	56,00
Ref. DM8	Motion detector Integrated in the luminaire	30,00
Ref. MP	Framework for recessed	67,10

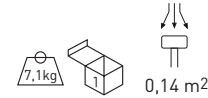
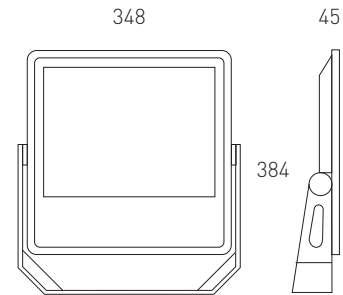


# PROTEK Q2

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, thermo painted
- Optics:** Optic included in the LED lamps. Includes waterproof polycarbonate protection with UV protection.
- Supply:** Driver included for all models. Can be supplied with dimmable driver 1-10V (DR) and double level dimmable (DN)
- Lamps:** Module composed by Oslon SLL Osram LED with a total power of 61,6w, 100w, 150w and 200w. Standardly supplied with a temperature of 5700°k. It can be optionally supplied with temperatures of 3000°K and 4000°k. Colour rendering index superior than 80 (CRI> 80).
- Life span:** Estimated Average Life span 50.000 hours.
- Installation:** Directly to wall or street furniture not (screws no included).
- Colours:** White, black and grey.



## Protek Q2 optic LED 80°

Includes protection polymer, driver and LEDs lamps

Ref.	Colour	Lamp.	Lumens	W	TP €
4330 01 60 85	White	LED	8266	60w	436,40
4330 02 60 85	Black	LED	8266	60w	438,10
4330 58 60 85	Gray	LED	8266	60w	438,10
4330 01 10 85	White	LED	12399	100w	437,60
4330 02 10 85	Black	LED	12399	100w	439,20
4330 58 10 85	Gray	LED	12399	100w	439,20
4330 01 15 85	White	LED	19484	150w	564,10
4330 02 15 85	Black	LED	19484	150w	566,80
4330 58 15 85	Gray	LED	19484	150w	566,80
4330 01 20 85	White	LED	25978	200w	688,80
4330 02 20 85	Black	LED	25978	200w	689,90
4330 58 20 85	Gray	LED	25978	200w	689,90

Standardly supplied with 5000°K LED lamp.  
Standardly supplied with 80° optics.

OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	Amber	3000°K	4000°K	5000°K
Lum 60w	5488	7056	7560	8266
Lum 100w	8232	10584	11340	12399
Lum 150w	12544	16632	17820	19484
Lum 200w	17248	22176	23760	25978



Video Instalación



## Protek Q2 Arm

Wall arm sujecion

### Protek Q2 Arm

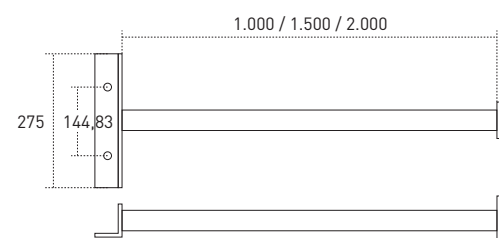
Ref.	Colour	Measure	TP €
35 04 01	White	1.000 mm.	94,20
35 04 02	Black	1.000 mm.	94,20
35 04 58	Gray	1.000 mm.	94,20
35 05 01	White	1.500 mm.	99,90
35 05 02	Black	1.500 mm.	99,90
35 05 58	Gray	1.200 mm.	99,90
35 06 01	White	2.000 mm.	118,60
35 06 02	Black	2.000 mm.	118,60
35 06 58	Gray	2.000 mm.	118,60

Rough price increase of accesories		€
Ref. AM	Special marine environment paint	45,00

Rough price increase of accesories		60w	100w	150w	200w
Ref. DR	Dimmable driver 1 - 10v	51,50	51,50	176,40	243,20
Ref. DRD	Dimmable driver Dali	64,80	64,80	182,40	268,50
Ref. DRP	Programmable driver	94,80	94,80	183,50	288,50
Ref. 3407	LEDs with asymmetrical optics	39,90	55,60	93,50	117,30
Ref. 3409	LEDs with symmetric optics 48°	72,24	72,24	112,60	140,00
Ref. 3421	LEDs with symmetric optics 150°	3,30	3,30	5,80	6,60
Ref. AMB	Amber LEDs	39,80	79,60	119,40	159,20

Rough price increase of accesories		TP €
Ref. DM8	Motion detector Integrated in the luminaire	30,00

Rough price increase of accesories		TP €
Ref. AM	Special marine environment paint	70,00

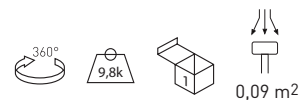
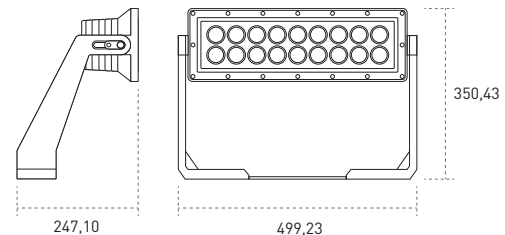


# ESDIUM PRO

Protection degree IP66. Impact protection IK08



- Material:** Module and bracket made of thermo painted injected aluminum.
- Optics:** LED modules include 100°, 50°, 41°, 32°, 21° and asymmetric 2 sides optics. Includes waterproof methacrylate (PMMA) with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with 1-10V dimmable driver (Ref.- DR), Dali dimmable driver (Ref.- DRD) or programmable dimmable driver (Ref.- DRP) and Regulation at the heady (DRC).
- Lamps:** Module composed by M or Mz Lumileds Luxeon LED with a total power of 150w, 300w, 450w, 600w, 750w and 900w. Available in 3000K, 4000K and 5000K. CRI>80.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly to wall or street furniture not (screws no included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray. Opal diffuser closure. It can be supplied in other RAL colours by request.



Esdium Pro M1 - Horizontal

## Esdium Pro M1 - 150w - Horizontal - Optics 100° opening.



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5300 58 15 0 85	Gris / Gray	16560	M1 (1)	150w	684,90

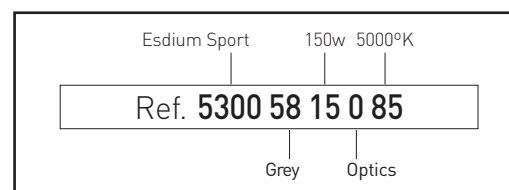
Standardly supplied with 5000°K LED lamp.  
Standardly supplied optics 100° opening.

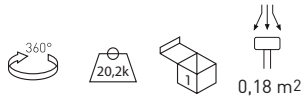
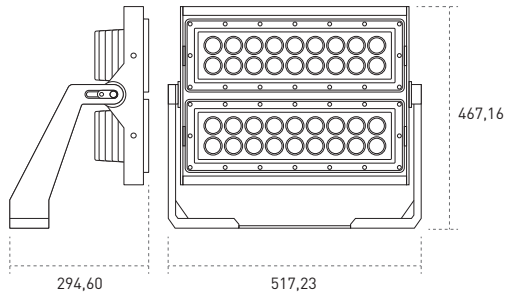
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens / Lumileds	150w	15300	16290
		16290	16560

Rough price increase of optics		150w
Ref. 1	Extensive symmetric optics 41°	79,38
Ref. 2	Medium symmetric optics 32°	79,38
Ref. 3	Intensive symmetric optics 21°	79,38
Ref. 4	Frontal asymmetric optics 50°	94,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	94,50

Rough price increase of accessories		150w
Ref. DR	Dimmable driver 1 - 10v	135,00
Ref. DRD	Dimmable driver Dali	139,00
Ref. DRP	Programmable driver	165,00

Example to compose a reference with options



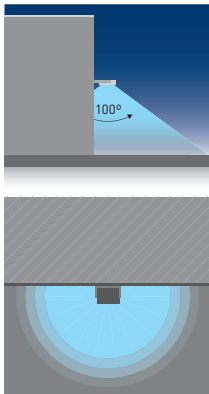


**Esdium Pro M2 - Horizontal**



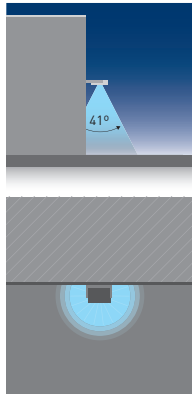
Ref. 0

Without secondary optics 100°.



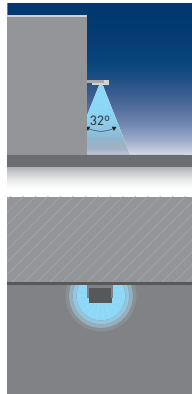
Ref. 1

Extensive symmetric optics 41°.



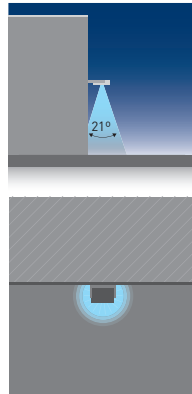
Ref. 2

Medium symmetric optics 32°.



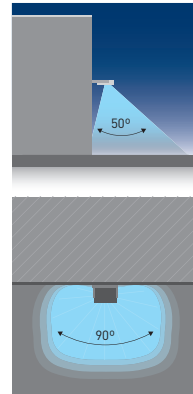
Ref. 3

Intensive symmetric optics 21°.



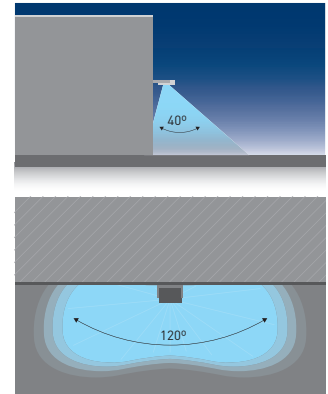
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



**Esdium Pro M2 - 300w - Horizontal - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5300 58 30 0 85	Gray	33120	M2 [2]	300w	1197,10

Standardly supplied with 5000°K LED lamp.  
Standardly supplied optics 100° opening.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	300w	30600	32580	33120

**Rough price increase of optics**

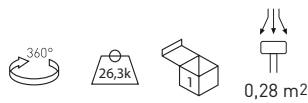
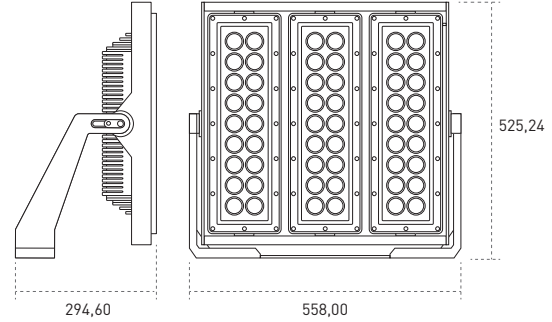
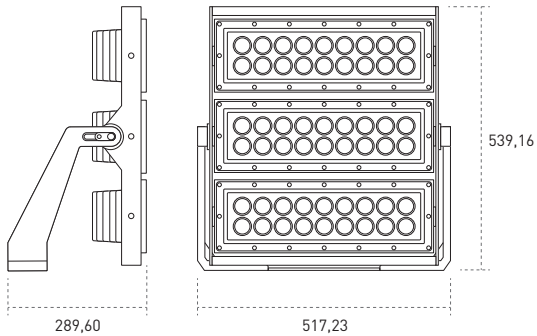
300w

Ref. 1	Extensive symmetric optics 41°	158,76
Ref. 2	Medium symmetric optics 32°	158,76
Ref. 3	Intensive symmetric optics 21°	158,76
Ref. 4	Frontal asymmetric optics 50°	189,90
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	189,90

**Rough price increase of accessories**

300w

Ref. DR	Dimmable driver 1 - 10v	270,00
Ref. DRD	Dimmable driver Dali	278,00
Ref. DRP	Programmable driver	330,00



**Esdium Pro M3 - Horizontal**

**Esdium Pro M3 - Vertical**

**Esdium Pro M3 - 450w - Horizontal - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5300 58 45 0 85	Gris / Gray	49680	M3 (3)	450w	1888,38

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lúmenes / Lumileds	450w	45900	48870	49680

Rough price increase of accessories		450w
Ref. DR	Dimmable driver 1 - 10v	405,00
Ref. DRD	Dimmable driver Dali	417,00
Ref. DRP	Programmable driver	495,00

**Esdium Pro M3 - 450w - Vertical - Optics 100° opening.**

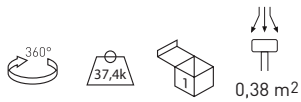
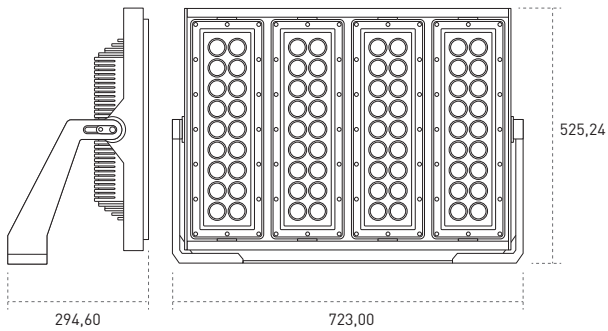


Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5301 58 45 0 85	Gray	49680	M3 (3)	450w	1888,38

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

Rough price increase of optics		450w
Ref. 1	Extensive symmetric optics 41°	238,14
Ref. 2	Medium symmetric optics 32°	238,14
Ref. 3	Intensive symmetric optics 21°	238,14
Ref. 4	Frontal asymmetric optics 50°	283,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	283,50

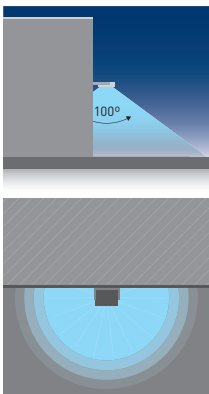


Esdium Pro M4 - Vertical



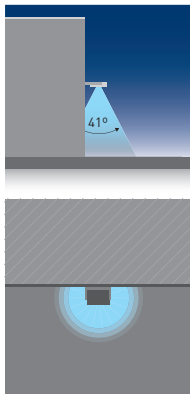
Ref. 0

Without secondary optics 100°.



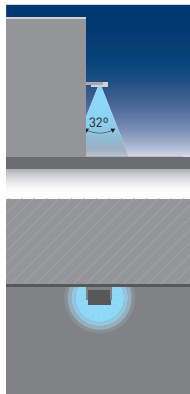
Ref. 1

Extensive symmetric optics 41°.



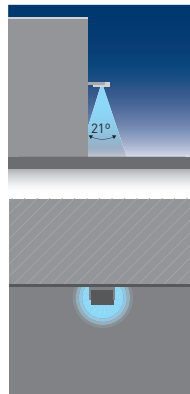
Ref. 2

Medium symmetric optics 32°.



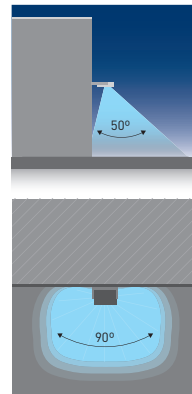
Ref. 3

Intensive symmetric optics 21°.



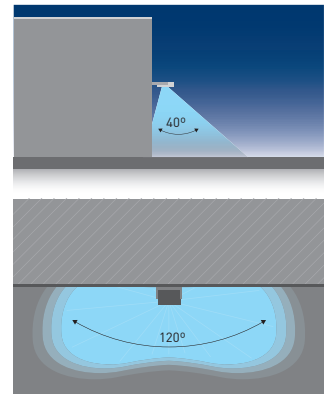
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



**Esdium Pro M4 - 600w - Vertical - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5301 58 60 0 85	Gray	66240	M4 (4)	600w	2560,44

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lúmenes / Lumileds	600w	61200	65160	66240

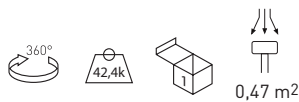
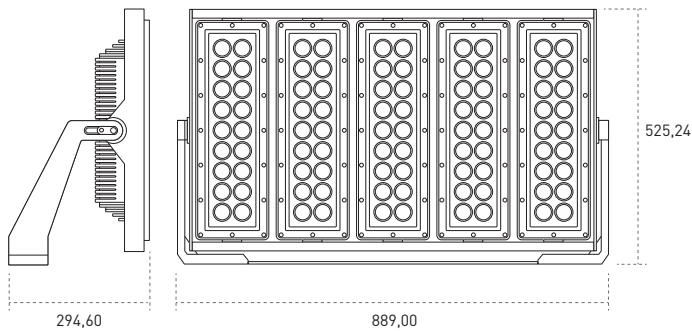
**Rough price increase of optics**

	600w
Ref. 1 Extensive symmetric optics 41°	317,52
Ref. 2 Medium symmetric optics 32°	317,52
Ref. 3 Intensive symmetric optics 21°	317,52
Ref. 4 Frontal asymmetric optics 50°	378,00
Ref. 5 Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	378,00

**Rough price increase of accessories**

	600w
Ref. DR Dimmable driver 1 - 10v	540,00
Ref. DRD Dimmable driver Dali	556,00
Ref. DRP Programmable driver	660,00





**Esdium Pro M5 - Vertical**

**Esdium Pro M5 - 750w - Vertical - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5301 58 75 0 85	Gray	82800	M5 (5)	750w	2996,70

\* Standardly supplied with 5000°K LED lamp.

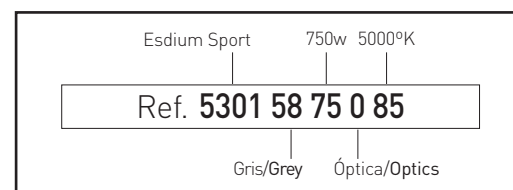
\* Standardly supplied optics 100° opening.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	750w	76500	81450	82800

Rough price increase of optics		750w
Ref. 1	Extensive symmetric optics 41°	396,90
Ref. 2	Medium symmetric optics 32°	396,90
Ref. 3	Intensive symmetric optics 21°	396,90
Ref. 4	Frontal asymmetric optics 50°	472,50
Ref. 5		472,50

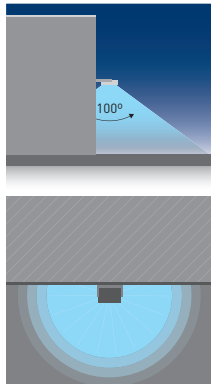
Rough price increase of accessories		750w
Ref. DR	Dimmable driver 1 - 10v	675,00
Ref. DRD	Dimmable driver Dali	695,00
Ref. DRP	Programmable driver	825,00

Example to compose a reference with options



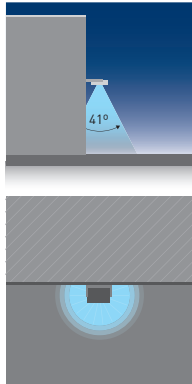
Ref. 0

Without secondary optics 100°.



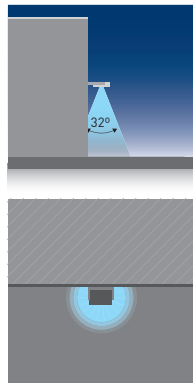
Ref. 1

Extensive symmetric optics 41°.



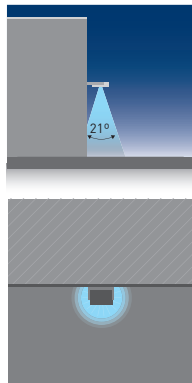
Ref. 2

Medium symmetric optics 32°.



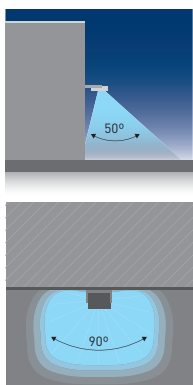
Ref. 3

Intensive symmetric optics 21°.



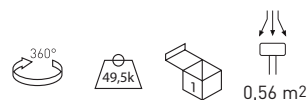
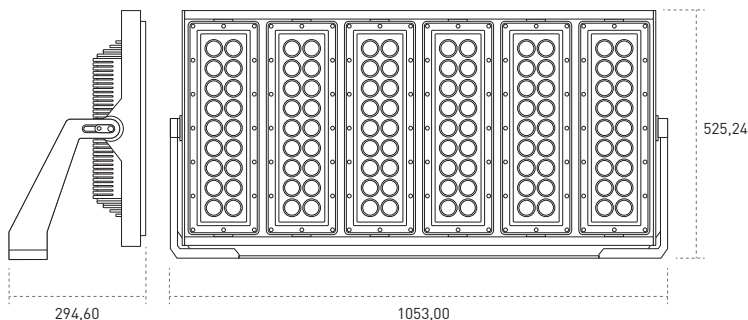
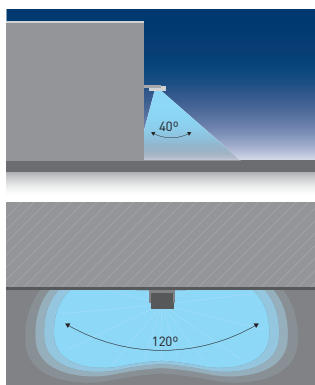
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



Esdium Pro M6 - Vertical

Esdium Pro M6 - 900w - Vertical - Optics 100° opening.



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
5301 58 90 0 85	Gray	99360	M6 (6)	900w	3850,10

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens / Lumileds	900w 91800	97740	99360

Rough price increase of optics		900w
Ref. 1	Extensive symmetric optics 41°	476,28
Ref. 2	Medium symmetric optics 32°	476,28
Ref. 3	Intensive symmetric optics 21°	476,28
Ref. 4	Frontal asymmetric optics 50°	567,00
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	567,00

Rough price increase of accessories		900w
Ref. DR	Dimmable driver 1 - 10v	810,00
Ref. DRD	Dimmable driver Dati	834,00
Ref. DRP	Programmable driver	990,00

# LARNIK OUTDOOR SURFACE

Protection degree IP67. Impact protection IK08/10



- Material:** Body made of thermo painted extruded aluminum.
- Optics:** LED modules include 7°, 14°, 29° and 46° optics. Includes waterproof methacrylate (PMMA) with UV protection and silicone injection.
- Supply:** Watertight driver included for all models. Optionally supplied with Dali dimmable driver (Ref.- DRD).
- Lamps:** Module composed by Oslon SSL LED with a total power of 12w, 25w, 40w, 50w y 80w (white) and 10w, 15w, 20w, 30w, 40w, 45w, 60w y 90w (monolocator). Available in 3000K, 4000K and 5000K. CRI>80.
- Life span:** Estimated Average Life span 60.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly to wall or street furniture not (screw not included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 45°C.
- Colours:** Luminaire in gray. Opal diffuser closure. It can be supplied in other RAL colours by request.



## Larnik Outdoor LED surface

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Measure	W	€
540 58 1 12 3 85	Gray	1512	500x50	12w	383,11
540 58 1 25 3 85	Gray	3024	500x50	25w	437,83
540 58 2 25 3 85	Gray	3024	1.000x50	25w	588,70
540 58 2 50 3 85	Gray	6048	1.000x50	50w	651,07
540 58 3 40 3 85	Gray	4536	1.500x50	40w	747,91
540 58 3 80 3 85	Gray	9072	1.500x50	80w	861,80

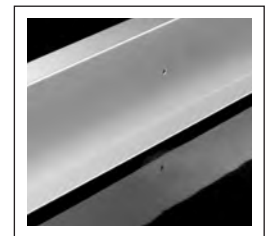
\* Standardly supplied with 5000°K LED lamp.

\* Standardly supplied with 46° optics.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / TColour temperature	W	3000°K	4000°K	5700°K
Lumens / Lumens	12w	1404	1512	1512
	25w	2808	3024	3024
	40w	4212	4536	4536
	50w	5616	6048	6048
	80w	8424	9072	9072



CL01 / CL15



P1 / P2 / P3

### OPTIONS

	12w	25w	40w	50w	80w
Ref. DRD Dimmable driver Dali	31,20	31,20	80,00	80,00	90,00
Ref. 0 Symmetric optics 7°	6,40	8,12	10,90	12,60	15,20
Ref. 1 Symmetric optics 14°	6,42	8,14	10,92	12,62	15,22
Ref. 2 Symmetric optics 29°	6,44	8,16	10,94	12,64	15,24

### OPTIONS

	TP €
Ref. CL01 Power cable and cont. line connector 1,5 m.	19,90
Ref. CL15 Power cable and cont. line connector 15 m.	81,20
Ref. P1 Larnik glare shield / 500 mm.	20,65
Ref. P2 Larnik glare shield / 1.000 mm.	40,80
Ref. P3 Larnik glare shield / 1.500 mm.	60,90



Larnik Outdoor LED surface monocolour



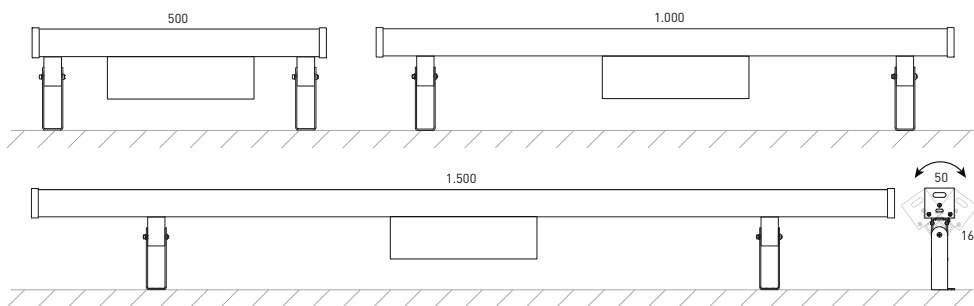
Includes driver and LEDs lamp

Ref.	Colour	Lum.	Color/Colour LED	T./M.	W	€
541 58 1 10 3 R	Gray	625	Red ●	500x50	10w	391,93
541 58 1 20 3 R	Gray	1250	Red ●	500x50	20w	455,45
541 58 2 20 3 R	Gray	1250	Red ●	1.000x50	20w	606,31
541 58 2 40 3 R	Gray	2500	Red ●	1.000x50	40w	686,29
541 58 3 30 3 R	Gray	1875	Red ●	1.500x50	30w	774,36
541 58 3 60 3 R	Gray	3750	Red ●	1.500x50	60w	914,70
541 58 1 15 3 G	Gray	903	Green ●	500x50	15w	396,33
541 58 1 30 3 G	Gray	1805	Green ●	500x50	30w	464,25
541 58 2 30 3 G	Gray	1805	Green ●	1.000x50	30w	615,11
541 58 2 60 3 G	Gray	3609	Green ●	1.000x50	60w	703,89
541 58 3 45 3 G	Gray	2707	Green ●	1.500x50	45w	791,91
541 58 3 90 3 G	Gray	5413	Green ●	1.500x50	90w	98,38
541 58 1 15 3 B	Gray	317	Blue ●	500x50	15w	396,33
541 58 1 30 3 B	Gray	634	Blue ●	500x50	30w	464,25
541 58 2 30 3 B	Gray	634	Blue ●	1.000x50	30w	615,11
541 58 2 60 3 B	Gray	1268	Blue ●	1.000x50	60w	703,89
541 58 3 45 3 B	Gray	951	Blue ●	1.500x50	45w	791,91
541 58 3 90 3 B	Gray	1901	Blue ●	1.500x50	90w	987,71

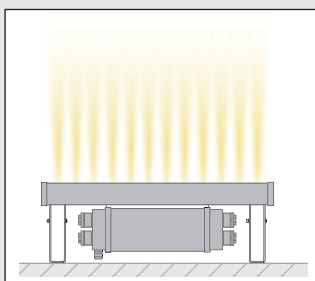
\* Standardly supplied with 5000°K LED lamp.

\* Standardly supplied with 66° optics.

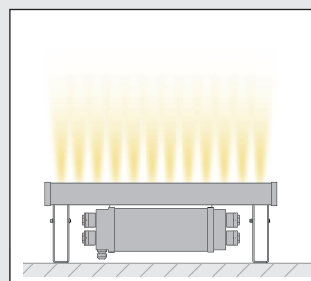
Rough price increase of lamp		12w	25w	40w	50w	80w
Ref. 817	LEDs Wineries - 1700°K	10,30	22,60	36,10	45,20	72,20
Ref. 8H	LEDs Horticulture	28,50	34,20	54,72	68,40	109,44



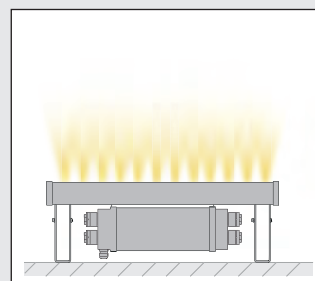
Ref. 0 - Óptica simétrica 7°



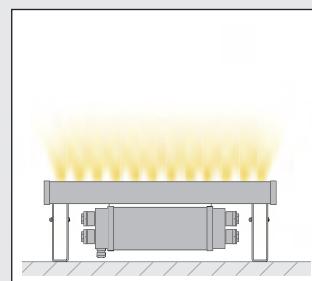
Ref. 1 - Óptica simétrica 14°



Ref. 2 - Óptica simétrica 29°



Ref. 3 - Óptica simétrica 46°

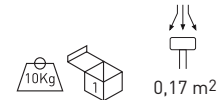
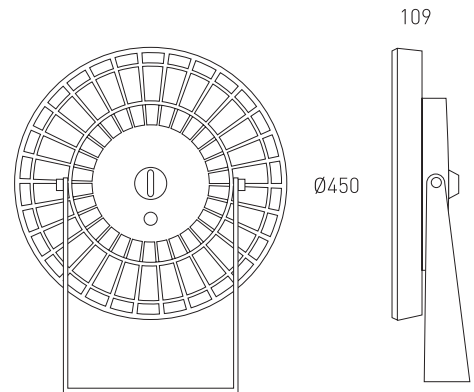
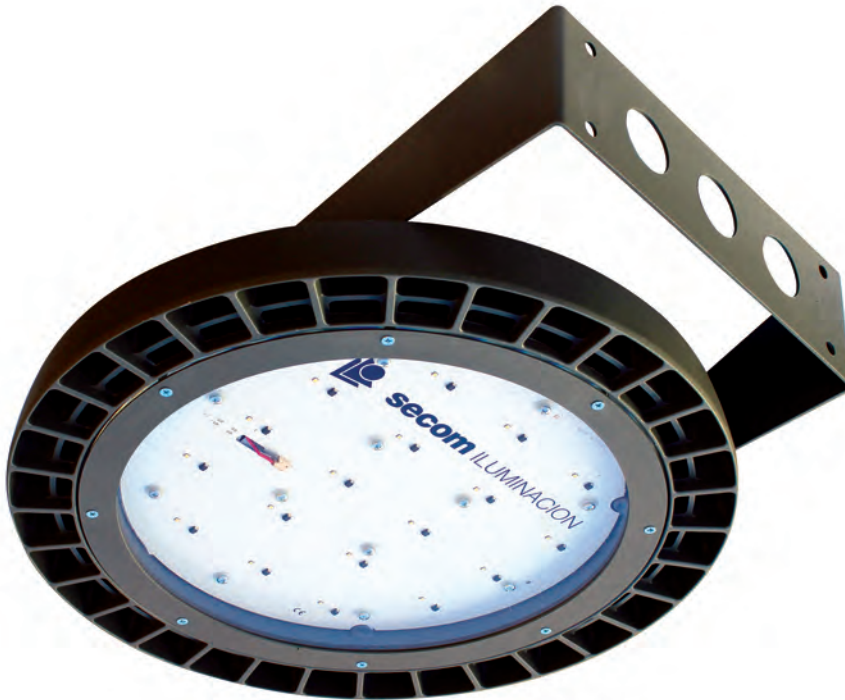


# KUSTO

Protection degree IP65. Impact protection IK08



- Material:** Body made of thermo painted injected aluminum.
- Optics:** LED lamps include 80° optics. Includes waterproof polycarbonate with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with 1-10V dimmable driver (Ref.- DR), Dali dimmable driver (Ref.- DRD) or programmable dimmable driver (Ref.- DRP) and emergency kit for LED with 1h or 3h autonomy (KE1-KE3).
- Lamps:** Module composed by Oslon SLL Osram LED with a total power of 40w, 100w, 150w, 200w y 250w. Available in 3000K, 4000K and 5000K. CRI>80. Includes protector LED to increase the reliability.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The PCB board incorporates protector diodes to increase the reliability. The programmable version includes NTC sensor for protection against occasional overtemperature, reducing the working power or even turning off the luminaire.
- Installation:** Directly to wall or street furniture not (screws no included). One quick connector of 3 or 5 poles allows the installation without opening the luminaire.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray. Opal diffuser closure.



Includes driver and LEDs lamp

Ref.	Colour	Lumens	W	TP £
4291 58 40 85	Gray	5314	40w	477,30
4291 58 10 85	Gray	12399	100w	503,20
4291 58 15 85	Gray	19484	150w	634,60
4291 58 20 85	Gray	25978	200w	752,40
4291 58 25 85	Gray	30996	250w	965,80

\* Standardly supplied with 5000°K LED lamp.  
 \* Standardly supplied with 80° optics.

OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	Amber	3000°K	4000°K	5000°K
Lum 40w	3528	4536	4860	5314
Lum 100w	8232	10584	11340	12399
Lum 150w	12544	16632	17820	19484
Lum 200w	17248	22176	23760	25978
Lum 250w	20384	26460	28350	30996



Rough price increase of accessories		40w	100w	150w	200w	250w
Ref. DR	Dimmable driver 1 - 10v	-	51,50	176,40	243,20	352,80
Ref. DRD	Dimmable driver Dali	51,30	64,80	182,40	268,50	356,60
Ref. DRP	Programmable driver	71,30	94,80	183,50	288,50	-
Ref. KE1	Emergency Kit 1 hour of autonomy	155,60	155,60	155,60	155,60	155,60
Ref. KE3	Emergency Kit 3 hours of autonomy	192,60	192,60	192,60	192,60	192,60
Ref. 3421	LEDs with symmetric optics 150°	1,40	3,30	5,50	6,60	7,90
Ref. 3409	LEDs with symmetric optics 48°	32,40	72,24	-	140,00	-
Ref. 3407	LEDs with asymmetrical optics	44,20	98,60	162,20	199,60	246,20
Ref. AMB	LEDs Amber LEDs	38,80	79,60	119,40	159,20	188,40

# PROTEK Q3 FLOOD LIGHT PETROL STATIONS

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, thermo painted
- Optics:** Optic included in the LED lamps. Include fireproof protective polymer.
- Supply:** Driver included for all models. Can be supplied with dimmable driver 1-10V (DR) and double level dimmable (DN)
- Lamps:** Module composed by Oslon SLL Osram LED with a total power of 100w, 150w and 200w. Standardly supplied with a temperature of 5700°k. It can be optionally supplied with temperatures of 3000°K and 4000°k. Colour rendering index superior than 80 (CRI> 80).
- Life span:** Estimated Average Life span 50.000 hours.
- Installation:** Directly to wall or street furniture not (screws no included).
- Colours:** White, black and grey.



Protek Q3 recessed optic LED 80°



Protek Q3 surface optic LED 80°

Includes Includes protective polymer fireproof, driver and LEDs lamps

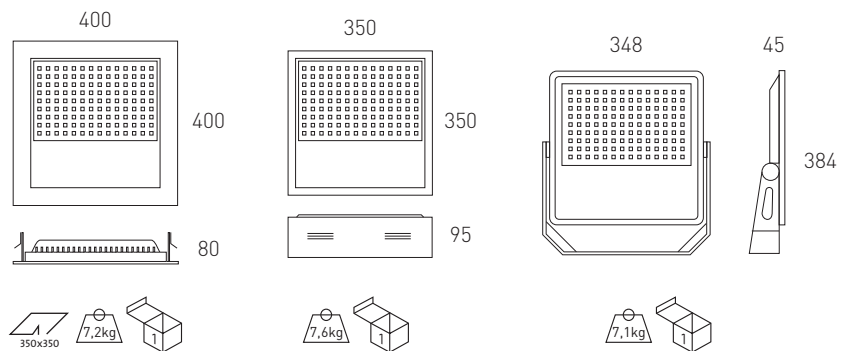
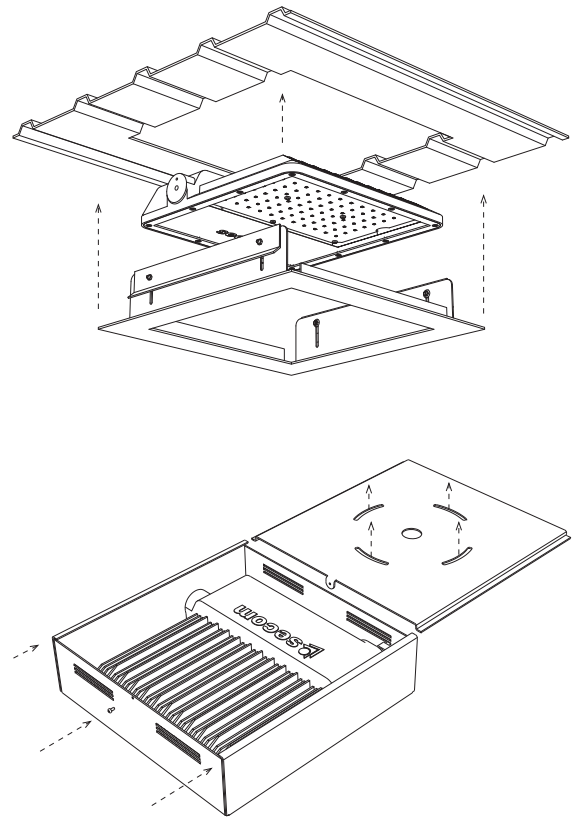
Ref.	Colour	Lamp.	Lumens	W	TP £
4700 01 10 85	White	LED	12399	100w	609,20
4700 02 10 85	Black	LED	12399	100w	611,10
4700 58 10 85	Gray	LED	12399	100w	611,10
4700 01 15 85	White	LED	19484	150w	793,15
4700 02 15 85	Black	LED	19484	150w	795,90
4700 58 15 85	Gray	LED	19484	150w	795,90
4700 01 20 85	White	LED	25978	200w	927,60
4700 02 20 85	Black	LED	25978	200w	929,60
4700 58 20 85	Gray	LED	25978	200w	929,60

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied with 80° optics.

Includes Includes protective polymer fireproof, driver and LEDs lamps

Ref.	Colour	Lamp.	Lumens	W	TP £
4701 01 10 85	White	LED	12399	100w	659,80
4701 02 10 85	Black	LED	12399	100w	661,20
4701 58 10 85	Gray	LED	12399	100w	661,20
4701 01 15 85	White	LED	19484	150w	843,20
4701 02 15 85	Black	LED	19484	150w	845,60
4701 58 15 85	Gray	LED	19484	150w	845,60
4701 01 20 85	White	LED	25978	200w	977,50
4701 02 20 85	Black	LED	25978	200w	979,80
4701 58 20 85	Gray	LED	25978	200w	979,80

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied with 80° optics.



Protek Q3 optic LED 80°



Includes Includes protective polymer fireproof, driver and LEDs lamps

Ref.	Colour	Lamp.	Lumens	W	TP €
4702 01 10 85	White	LED	12399	100w	579,20
4702 02 10 85	Black	LED	12399	100w	581,50
4702 58 10 85	Gray	LED	12399	100w	581,50
4702 01 15 85	White	LED	19484	150w	763,10
4702 02 15 85	Black	LED	19484	150w	765,80
4702 58 15 85	Gray	LED	19484	150w	765,80
4702 01 20 85	White	LED	25978	200w	897,60
4702 02 20 85	Black	LED	25978	200w	899,50
4702 58 20 85	Gray	LED	25978	200w	899,50

\* Standardly supplied with 5000° K lamp.

OPTIONS LED

		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens Osram Oslon SSL L	100w	11340	11340	12399
	150w	17820	17820	19484
	200w	23760	23760	25978

Rough price increase of accessories

	100w	150w	200w
Ref. DR Dimmable driver 1 - 10v	51,50	176,40	243,20
Ref. DRD Dimmable driver Dalí	64,80	182,40	268,50
Ref. DRP Programmable driver	94,80	183,50	288,50
Ref. 3421 LEDs with symmetric optics 150°	3,30	5,80	6,60

Rough price increase of accessories

	TP €
Ref. DM8 Motion detector Integrated in the luminaire	30,00
Ref. KE1 Emerg. kit 1 h. of antonomy (solo para / only for 100w)	443,20



# STREET LIGHTING

SE

Made in



Street lamps

Luminaires for residential

Urban luminaires

LED optical compartment





Street luminaires



Ecodut K1 338



Ecodut K2 340



Protek Q2 City 342  
Protek Q2 City Duo  
Protek Q2 City Trio

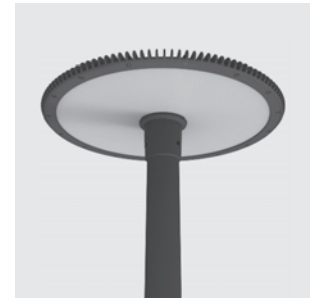


Konak City 348



Ecodut 350

Luminaires for residential



Auris 354



Auris suspension 355



Kloss City 356



Protek City 358  
Protek City Duo  
Protek City Trio



Ripa 362



Ray ben 364

Luminaires for tunnel



Esdium Tunnel - M1 368  
Esdium Tunnel - M2

Urban luminaires



Ura 370



Regal 374

LED optical compartment



Ura 376  
Regal  
Ecodut  
Ripa  
Ray Ben

LUMINAIRES DISCHARGE HIGH PRESSURE

Street luminaires



Ecodut

379

Luminaires for residential



Ripa

380



Ray ben

381

Urban luminaires



Ura

382



Regal

383

Remote Control System



SENET

384









# INSTALLATION RECOMMENDATIONS

## FUNCTIONAL SIMBOLOGY

### STREET LIGHTING

-  Highways
-  Roads
-  Service ways
-  Tunnels


### ILUMINACIÓN URBANA / URBAN LIGHTING


-  Streets and Avenues
-  Residential
-  Pedestrian ways
-  Parks and gardens
-  Monumental illumination
-  Sign lighting

### BIG AREAS LIGHTING

-  Outdoor sports zones
-  Big surfaces
-  Sports indoor lighting
-  Parking zones
-  Industrial
-  Department stores
-  Shopping malls

## TECHNICAL SIMBOLOGY

 Surface exposed to wind (horizontal)

 Surface exposed to wind (vertical)

 Short light pollution

**FHS** Upper hemisphere flow from total effective flow

Light percentage produced produced in the focus that is projected to the sky from the horizon level, which is lost light.

- E1 <1%
- E2 1% - 5%
- E3 5% - 15%
- E4 15% - 25%

 Width = W  
Length = L  
Height = H

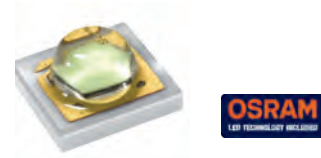
 Weight



ACCESORIES

LED Technology

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), 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.

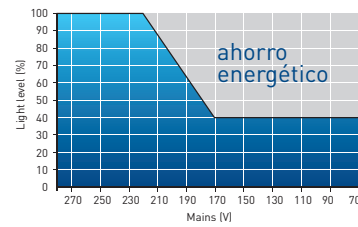


Saving Integrated controls

In strict compliance with current regulations, Secom Iluminación provides adequate control systems in dynamic lighting for each installation to facilitate the mobility of citizens in terms of comfort and maximum safety, achieving additional savings in energy consumption.

Ref. DRC Regulation at the head of the line voltage

These adjustment system, allows using LED lighting in existing facilities with regulation in the head of the line voltage, regulating the lights without modifying the installation.

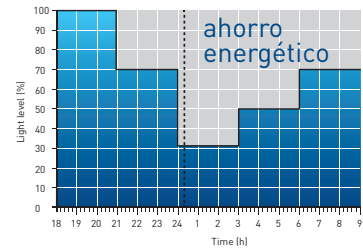


Scheduled Adjustable Driver Cronodimmer (DRP / DN)

Secom Iluminación integrates different autonomous regulation systems that allows the luminaire to regulate in compliance with current regulations for facilities in which there is no type of regulation.

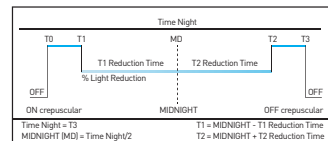
Ref. DRP

Configured Driver in factory that allows up to 5 levels based on the virtual night or from power fully adapted to customer needs.



Ref. DN

Programmable Driver through switches, that facilitates the modification of programming lighted from the dashboard. It makes adjustment to 100%, reduced level, and 100%.



Ref. DR Regulation 1-10V

Driver with 1-10V control for integrating in the future the remote management or to do the regulation with control line through a 1-10V signal.

Ref. DRD Regulation Dali

Dimmable driver to integrate subsequently remote management with Dali or regulation with control line signal through Dali, getting a personalized lighting control.

Remote management

Secom Iluminación, incorporates intelligent remote management systems for lighting by radio or PLC, allowing point to point control and real time monitoring of each luminaire for a total control or cheaper systems of remote management and cheaper monitoring to the level of dashboard.

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-losts 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. **RLM Double Level Regulation with control line in glow lamps**

This control system allows two-level regulation in installations with control line VSAP or glow lamps HQI.

Ref. **RSL Dual level regulation without control line in glow lamps**

This system allows dual level regulation in glow lighting for installations in which there is no type of regulation.

**DURABILITY AND STRENGTH**

Secom Iluminación mounts standardly individual protection for each half-power semiconductor, in order to solve the failure of one of these semiconductors, the protection diode completes the circuit allowing to the rest of LED, operate at rated. This system also protects against electrostatic discharges inside the luminaire.

Ref. **3390**

4KV basic transient surge protection in all industrial and street lighting fixtures, optionally 10KV.

Ref. **DRPNTC Prog. driver & NTC control**

Programmable driver up to 5 levels with NTC temperature control in the LED board.

Temperature control via NTC sensor can control the operating temperature of semiconductor in real time and it can control the light intensity in the case of a possible rise in temperature in order to ensure the lifetime of the luminaire.

Easy installation, industrial light fittings, street lights and residential light fixtures also incorporate an air-tight connector for electrical connection of the luminaire without opening it, ensuring IP of factory and minimizing the costs and production time.

Ref. **AM Special painting for marine environment**

Special paint finish protection for marine environments with classification according to ISO 12944-2.

**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.









# ECODUT K1

Protection degree IP66. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation, regulation with motion sensor and driver to work with 12Vdc.
- Lamps:** Osram LEDs module composed by Oscon SSL with a total power of 25w, 50w y 75w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Internal protection with individual diode for each LED. Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column or crossbar. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.



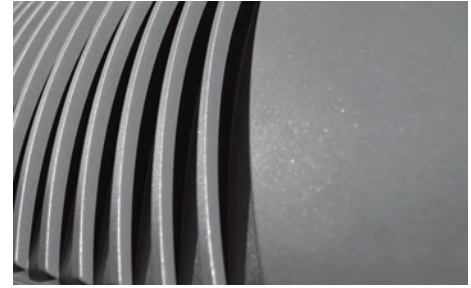
Ecodut K1 - Symmetric optics 150°

Includes driver and LED lamps

Ref.	Colour	Lumens	W	TP €
3380 58 25 85	Gray	3888	25W	384,90
3380 58 50 85	Gray	7128	50W	414,90
3380 58 75 85	Gray	10368	75W	473,90

\* Standardly supplied with 5700°K LED lamp.

OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>70 / Colour temperature	Amber	3000°K	4000°K	5700°K
Lum 25w	2352	3240	3543	3888
Lum 50w	4312	5940	6495	7128
Lum 75w	6272	8640	9447	10368

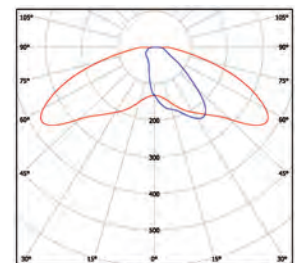
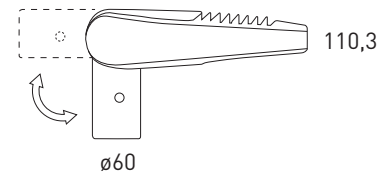
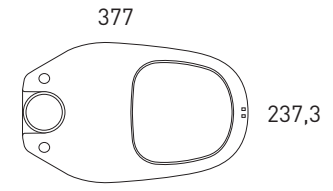


OPTIONS

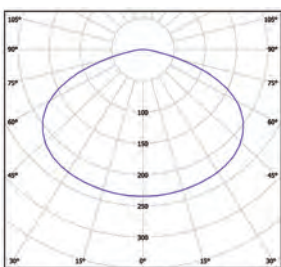
Rough price increase of accesories		25w	50w	75w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	110,60
Ref. DN	Double level dimmable	40,00	42,00	-
Ref. DRC	Regulation at the head	105,00	80,00	90,37
Ref. DMR8	Motion detector	75,00	137,00	137,00
Ref. 4160	Driver for 12Vdc operation	15,00	-	-

Rough price increase of optics		25w	50w	75w
Ref. 3408	Symmetric optics 80°	3,20	4,80	4,90
Ref. 3407	Asymmetric optics 150°	21,10	32,60	38,90
Ref. 3407 3408	Asymmetric optics 80°	21,10	32,60	38,90
Ref. 3405	Asymmetric optics Street	42,20	65,80	78,10
Ref. AMB	Amber LED	19,90	39,80	59,70

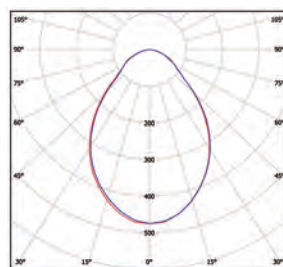
Rough price increase of accesories		TP €
Ref. IK10	Impact protection index	8,00
Ref. II	Class II	48,00
Ref. AM	Special marine environment paint	45,00
Ref. 3390	Surge protector 10 KV	19,00
Ref. 6033	Reducing adapter from 60 mm to 33 mm	38,00
Ref. 6048	Reducing adapter from 60 mm to 48 mm	41,00
Ref. 6076	Reducing adapter from 60 mm to 76 mm	43,00



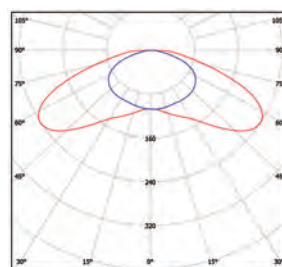
Ref. 3405 Asymmetric optical Street



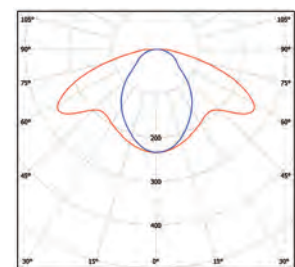
Symmetric optical 150°



Ref. 3408 Symmetric optical 80°



Ref. 3407 Asymmetric optical 150°



Ref. 3408 3407 Asymmetric optical 80°



# ECODUT K2

Protection degree IP66. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation, regulation with motion sensor and driver to work with 12Vdc.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 30w, 50w, 70w, 100w, 150w y 200w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Internal protection with individual diode for each LED. Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.



Video installation



Ecodut K2 - Symmetric optics 150°

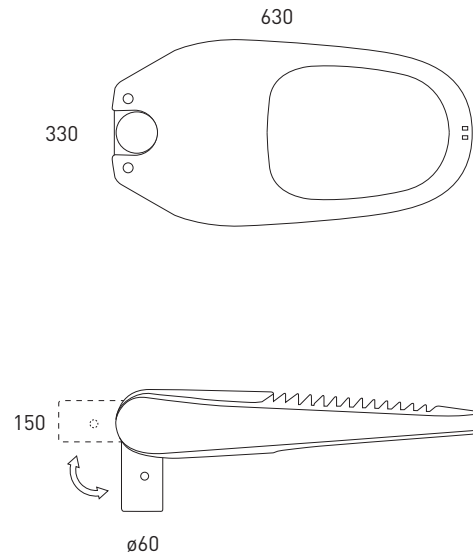
Includes driver and LED lamps

Ref.	Colour	Lumens	W	TP £
3370 58 30 85	Gray	4536	30W	459,90
3370 58 50 85	Gray	6480	50W	479,90
3370 58 70 85	Gray	9072	70W	510,90
3370 58 10 85	Gray	14256	100W	587,70
3370 58 15 85	Gray	21384	150W	658,20
3370 58 20 85	Gray	28512	200W	738,20

\* Standardly supplied with 5700°K LED lamp.

**OPTIONS LED**

CRI>70 / Colour temperature	Ref. AMB Amber	Ref. 83 3000°K	Ref. 84 4000°K	Ref. 85 5700°K
Lum 30w	2744	3780	4133	4536
Lum 50w	3920	5400	5904	6480
Lum 70w	5488	7560	8266	9072
Lum 100w	8232	11880	12989	14256
Lum 150w	12544	17820	19484	21384
Lum 200w	20384	23760	25978	28512

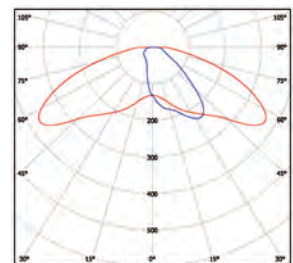


**OPTIONS**

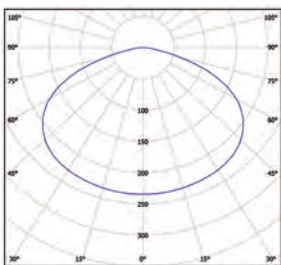
Rough price increase of accesories		30w	50w	70w	100w	150w	200w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00	90,00	95,00	50,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00	90,00	95,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00	90,00	95,00	225,00
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	110,60	110,60	110,60	240,80
Ref. DN	Double level dimmable	40,00	42,00	160,00	-	-	-
Ref. DRC	Regulation at the head	105,00	80,00	90,00	90,00	95,00	225,00
Ref. DMR8	Motion detector	75,00	137,00	137,00	137,00	152,00	120,00
Ref. 4160	Driver for 12Vdc operation	15,00	-	25,00	-	-	-

Rough price increase of optics		30w	50w	70w	100w	150w	200w
Ref. 3408	Symmetric optics 80°	3,20	4,80	4,90	5,00	5,10	5,20
Ref. 3407	Asymmetric optics 150°	21,20	32,60	38,90	55,60	89,50	122,60
Ref. 3407 3408	Asymmetric optics 80°	21,20	32,60	38,90	55,60	89,50	122,60
Ref. 3405	Asymmetric optics Street	42,20	65,80	78,10	105,60	149,90	198,60
Ref. AMB	Amber LED	19,90	39,80	59,70	79,60	119,40	159,20

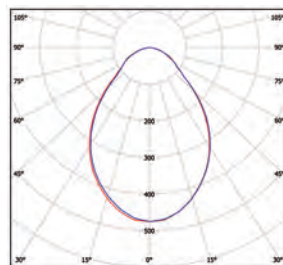
Rough price increase of accesories		TP €
Ref. IK10	Impact protection index	12,00
Ref. II	Class II	48,00
Ref. AM	Special marine environment paint	90,00
Ref. 3390	Surge protector 10 KV	19,00
Ref. 6033	Reducing adapter from 60 mm to 33 mm	38,00
Ref. 6048	Reducing adapter from 60 mm to 48 mm	41,00
Ref. 6076	Reducing adapter from 60 mm to 76 mm	43,00



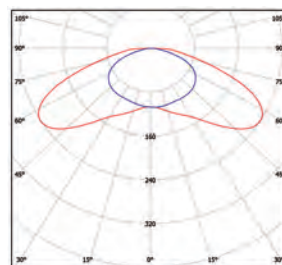
Ref. 3405 Asymmetric optical Street



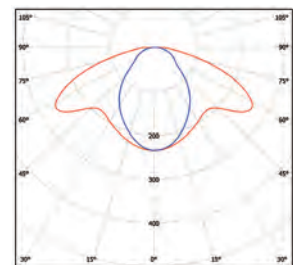
Symmetric optical 150°



Ref. 3408 Symmetric optical 80°



Ref. 3407 Asymmetric optical 150°



Ref. 3408 3407 Asymmetric optical 80°



# PROTEK Q2 CITY

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation, regulation with motion sensor.
- Lamps:** Osram LEDs module composed by Oscon SSL with a total power of 60w, 100w, 150w, and 200w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. with quick connectors.
- Protections:** Internal protection with individual diode for each LED. Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Life span:** L70B10 100.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 9022, white colour similar to RAL 9010, and black colour similar to RAL 9005. Available in other RAL colours on request.

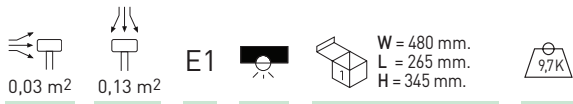
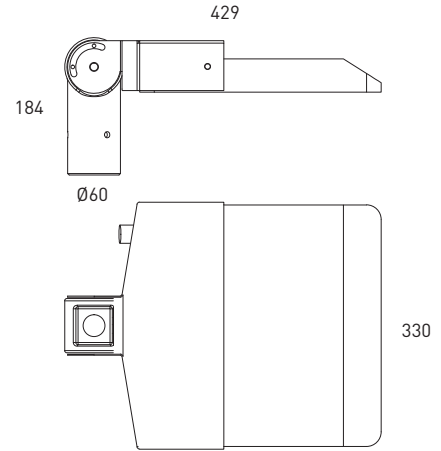


Protek Q2 City - Symmetric optical 150 °

Includes LED lamps and driver

Ref.	Colour	Lamp.	Lumens	W	TP €
4328 58 60 85	Gray	LED	9072	60w	480,20
4328 58 10 85	Gray	LED	13608	100w	510,64
4328 58 15 85	Gray	LED	21384	150w	598,80
4328 58 20 85	Gray	LED	28512	200w	720,00

\* Standardly supplied with 5700° K lamp.



**OPTIONS LED**

	Ref. <b>AMB</b>	Ref. <b>83</b>	Ref. <b>84</b>	Ref. <b>85</b>
CR>70 / Colour temperature	Amber	3000°K	4000°K	5700°K
Lum 60w	5488	7560	8266	9072
Lum 100w	8232	11340	12399	13608
Lum 150w	12544	17820	19484	21384
Lum 200w	17248	23760	25978	28512

**Rough price increase of driver (per unit)**

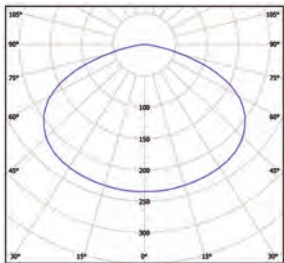
		60w	100w	150w	200w
Ref. <b>DR</b>	Dimmable driver 1 - 10v	90,00	90,00	95,00	50,00
Ref. <b>DRD</b>	Dimmable driver Dali	90,00	90,00	95,00	90,00
Ref. <b>DRPR</b>	Programmable driver	90,00	90,00	95,00	-
Ref. <b>DRPNTC</b>	P. driver & NTC control	110,60	110,60	-	-
Ref. <b>DMR8</b>	Motion detector	137,00	137,00	152,00	-
Ref. <b>DRC</b>	Regulation at the head	90,00	90,00	95,00	-

**Rough price increase of optics**

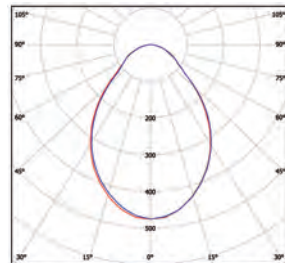
		60w	100w	150w	200w
Ref. <b>3407</b>	Asymmetrical optics	39,90	55,60	93,50	117,30
Ref. <b>3408</b>	Symmetric optics 80°	4,85	5,00	5,10	5,20
Ref. <b>3409</b>	Symmetric optics 48°	72,24	72,24	112,60	140,00
Ref. <b>3390</b>	Surge protector 10 KV	19,00	19,00	19,00	-
Ref. <b>AMB</b>	LED Amber / Amber LED	39,80	79,60	119,40	159,20

**Rough price increase of accessories**

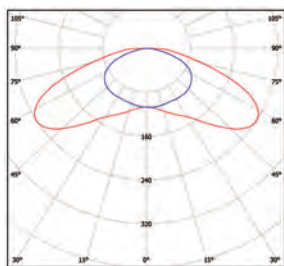
		TP €
Ref. <b>AM</b>	Special marine environment paint	90,00
Ref. <b>IK10</b>	Impact protection index	12,50



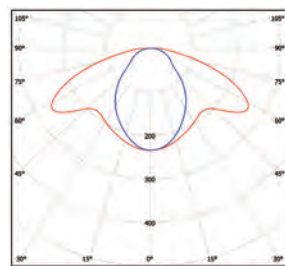
Symmetric optical 150°



Symmetric optical 80°



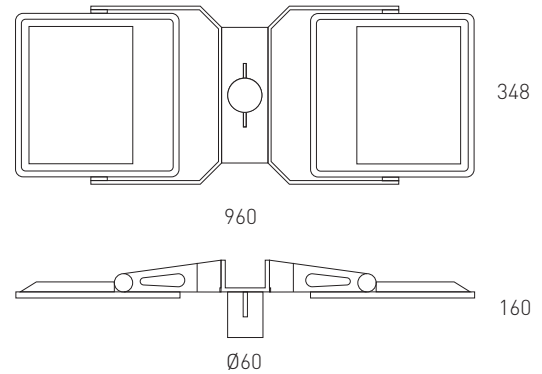
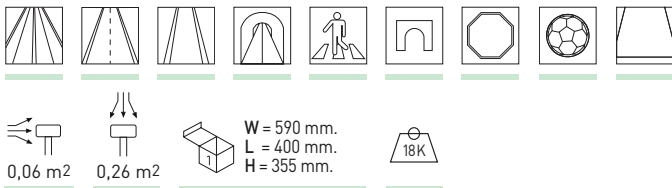
Ref. 3407 Asymmetric optical 150°



Ref. 3407 Asymmetric optical 80°







Protek Q2 City Duo - Symmetric optical 150°

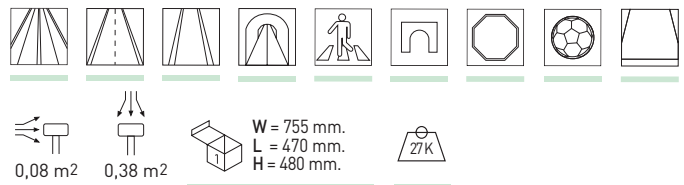
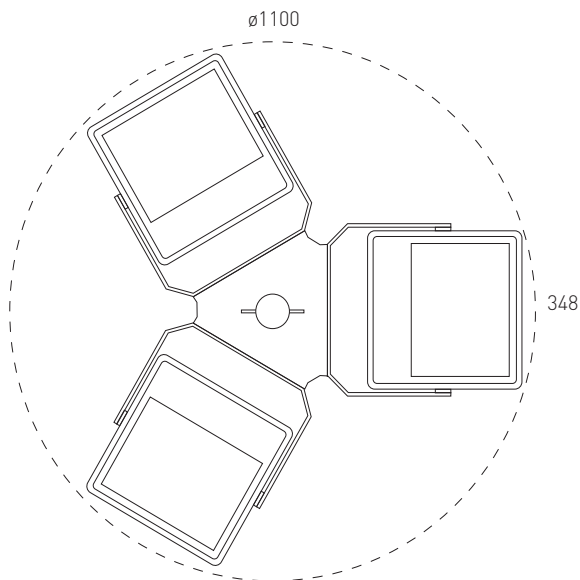
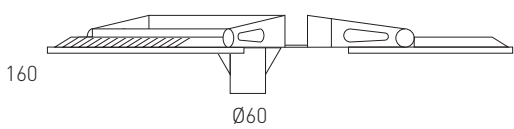


Includes LED lamps and driver

Ref.	Colour	Lamp.	Lumens	W	TP €
4324 58 60 85	Gray	LED	18144	2x60w	930,90
4324 58 10 85	Gray	LED	27216	2x100w	999,60
4324 58 15 85	Gray	LED	42768	2x150w	1242,20
4324 58 20 85	Gray	LED	57024	2x200w	1480,20

\* Standardly supplied with 5700° K lamp.

Rough price increase of accessories	TP €
Ref. AM Special marine environment paint	120,00
Ref. IK10 Impact protection index	25,00



**Protek Q2 City Trio - Symmetric optical 150°**



Includes LED lamps and driver

Ref.	Colour	Lamp.	Lumens	W	TP €
4326 58 60 85	Gray	LED	27216	3x60w	1428,20
4326 58 10 85	Gray	LED	40824	3x100w	1498,60
4326 58 15 85	Gray	LED	64152	3x150w	1692,80
4326 58 20 85	Gray	LED	85536	3x200w	1996,20

\* Standardly supplied with 5700° K lamp.

Rough price increase of accessories		TP €
Ref. AM	Special marine environment paint	150,00
Ref. IK10	Impact protection index	37,50





# KONAK CITY

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation, regulation with motion sensor.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 40w, 100w, 150w, 200w Y 250w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Internal protection with individual diode for each LED. Standard Surge protector of 4KV driver.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.

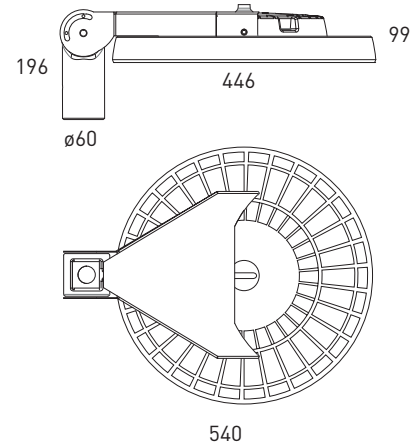
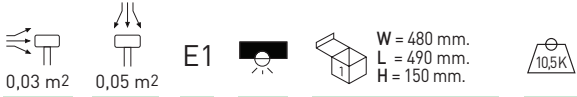


## Konak city - Symmetric optics 150°

Includes driver and LEDs lamp

Ref.	Colour	Lumens	W	TP €
4174 58 40 85	Gray	5832	40w	518,80
4174 58 10 85	Gray	13608	100w	558,40
4174 58 15 85	Gray	21384	150w	698,20
4174 58 20 85	Gray	28512	200w	798,80
4174 58 25 85	Gray	34020	250w	1020,82

\* Standardly supplied with 5700°K LED lamp.



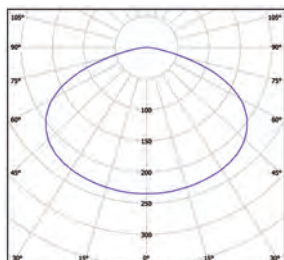
**OPTIONS**

Rough price increase of accessories		40w	100w	150w	200w	250w
Ref. DR	Dimmable driver 1 - 10v	80,00	90,00	95,00	50,00	50,00
Ref. DRD	Dimmable driver Dali	80,00	90,00	95,00	90,00	175,00
Ref. DRPR	Programmable driver	80,00	90,00	95,00	240,80	150,00
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	110,60	240,80	165,80
Ref. DRC	Regulation at the head	80,00	80,00	95,00	240,80	150,00

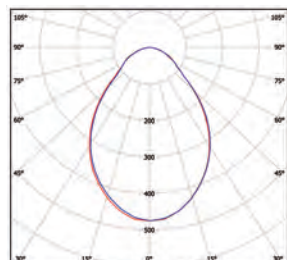
Rough price increase of optics		40w	100w	150w	200w	250w
Ref. 3408	Symmetric optics 80°	4,80	5,00	5,10	5,20	5,30
Ref. 3409	LEDs with symmetric optics 48°	32,40	72,24	-	140,00	-
Ref. 3407	LEDs with asymmetrical optics	28,50	67,50	93,50	117,30	146,10
Ref. AMB	Amber LED	39,80	79,60	119,40	159,20	188,40

Rough price increase of accessories		TP €
Ref. AM	Special marine environment paint	90,00
Ref. IK10	Impact protection index	12,50

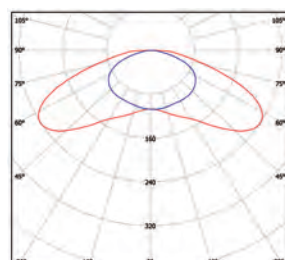
OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>70 / Colour temperature	Amber	3000°K	4000°K	5700°K
Lum 40w	3528	4860	5313	5832
Lum 100w	8232	11340	12399	13608
Lum 150w	12544	17820	19484	21384
Lum 200w	17248	23760	25978	28512
Lum 250w	20384	28350	30996	34020



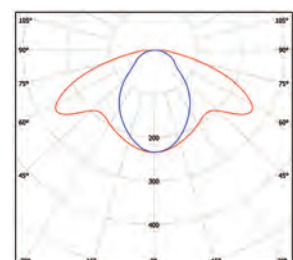
Symmetric optical 150°



Symmetric optical 80°



Ref. 3407 Asymmetric optical 150°



Ref. 3407 Asymmetric optical 80°



# ECODUT

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in safety glass.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation, regulation with motion sensor.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 30w, 50w, 70w and 100w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Internal protection with individual diode for each LED. Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request).  
A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.



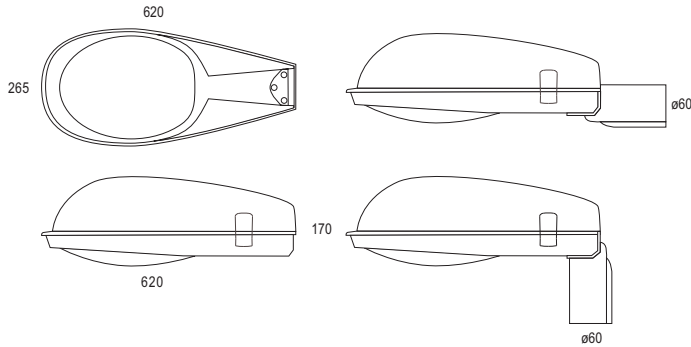
## Ecodut - Symmetric optics 150°

Includes driver and LED lamps

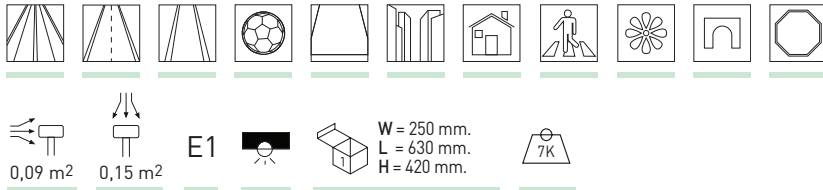
Ref.	Colour	Lamp	W	Lumens	TP £
3353 58 30 85	Gray	LED	30w	4536	462,65
3353 58 50 85	Gray	LED	50w	6480	498,75
3353 58 70 85	Gray	LED	70w	9072	515,85
3353 58 10 85	Gray	LED	100w	12960	623,20

\* Standardly supplied with 5700°K.

OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
Colour temperature	Amber	3000°K	4000°K	5700°K
30w	2744	3780	4133	4536
50w	3920	5400	5904	6480
70w	5488	7560	8266	9072
100w	7840	10800	11808	12960



Supplied with accessories for columns of 90 ° and 180 °

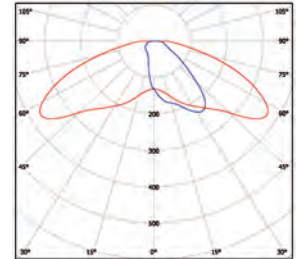


OPTIONS

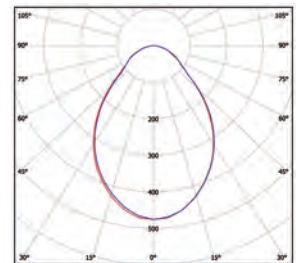
Rough price increase of accessories		30w	50w	70w	100w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00	90,00
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	110,60	110,60
Ref. DRC	Regulation at the head	105,00	80,00	90,00	90,00
Ref. DN	Double level dimmable	40,00	42,00	160,00	160,00
Ref. DMR8	Motion detector	75,00	137,00	137,00	137,00
Ref. 4160	Driver for 12Vdc operation	15,00	-	25,00	-

Rough price increase of optics		30w	50w	70w	100w
Ref. 3408	Symmetric optics 80°	3,20	3,20	3,20	4,80
Ref. 3407	Asymmetric optics 150°	36,12	36,12	36,12	55,60
Ref. 3407 3408	Asymmetric optics 80°	36,12	36,12	36,12	55,60
Ref. 3405	Asymmetric optics Street	78,10	78,10	78,10	99,80
Ref. AMB	Amber LED	19,90	39,80	49,80	64,40

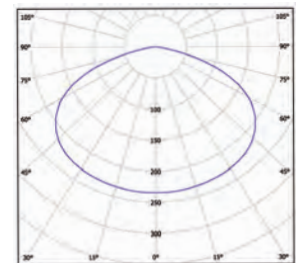
Rough price increase of accessories		TP €
Ref. 3390	Surge protector 10KV	19,00
Ref. 6033	Reducing adapter from 60 mm to 33 mm	38,00
Ref. 6048	Reducing adapter from 60 mm to 48 mm	41,00
Ref. 6076	Reducing adapter from 60 mm to 76 mm	43,00



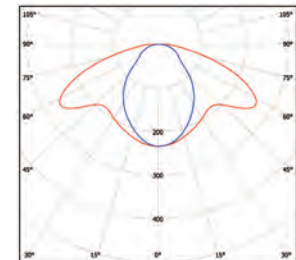
Ref. 3405 Asymmetric optical Street



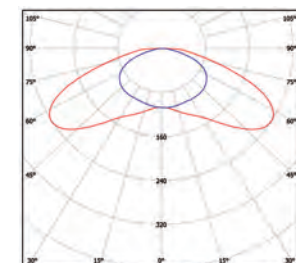
Ref. 3408 Symmetric optical 80°



Symmetric optical 150°



Ref. 3408 3407 Asymmetric optical 80°



Ref. 3407 Asymmetric optical 150°







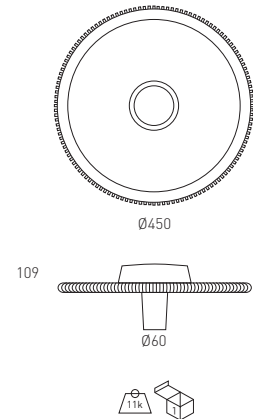


# AURIS TO MOUNT ON POST - SUSPENSION

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** Opal polycarbonate diffuser that provides UV protection uniform illumination over the entire surface.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation, regulation with motion sensor.
- Lamps:** Osram LEDs module composed by Duris E5 with a total power of 30w, 40w and 60w. Available in 3000°K, 4000°K or 5700°K.
- Protection:** Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 60.000 hours.
- Installation:** To mount on post of Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.



## Auris LED



Includes driver and LED lamps

Ref.	Colour	Lumens	W	TP £
4190 58 30 85	Gray	3000	30w	449,80
4190 58 40 85	Gray	4000	40w	469,90
4190 58 60 85	Gray	6000	60w	528,60

\* Standardly supplied with 5700°K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 30w	2850	3000	3000
Lum 40w	3800	4000	4000
Lum 60w	5700	6000	6000

## OPTIONS

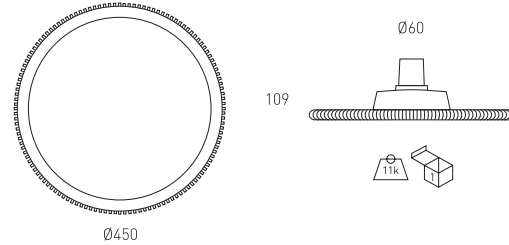
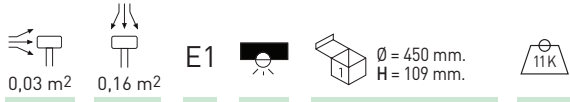
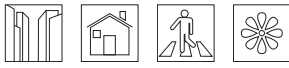
Rough price increase of driver (per unit)		30w	40w	60w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00
Ref. DRP	Programmable driver	105,00	80,00	-
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	-
Ref. DN	Double level dimmable	40,00	42,00	160,00

## Rough price increase of accesories

	TP £
Ref. 3390 Surge protector	19,00
Ref. AM Special marine environment paint	90,00
Ref. 6033 Reducing adapter from 60mm. to 33mm.	38,00
Ref. 6048 Reducing adapter from 60mm. to 48mm.	41,00
Ref. 6076 Reducing adapter from 60mm. to 76mm.	43,00



Video installation



**Auris LED suspension**



Includes driver and LED lamps

Ref.	Colour	Lumens	W	TP £
4191 58 30 85	Gray	3000	30w	469,40
4191 58 40 85	Gray	4000	40w	489,20
4191 58 60 85	Gray	6000	60w	569,90

\* Standardly supplied with 5700°K LED lamp.

**OPTIONS**

Rough price increase of accessories		TP £
Ref. 3390	Surge protector 10KV	19,00
Ref. AM	Special marine environment paint	90,00

**OPTIONS LED**

	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 30w	2850	3000	3000
Lum 40w	3800	4000	4000
Lum 60w	5700	6000	6000

**Rough price increase of driver (per unit)**

		30w	40w	60w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	-
Ref. DN	Double level dimmable	40,00	42,00	-
Ref. DMR8	Motion detector	75,00	137,00	137,00

# KLOSS CITY

Protection degree IP65. Impact protection IK09



- Material:** Body made of polycarbonate and fittings made on sheet steel with polyester thermo painted coating without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** Opal polycarbonate diffuser that provides UV protection that allows uniform illumination over the entire surface.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation and regulation with motion sensor.
- Lamps:** Osram LEDs module composed by Duris E5 with a total power of 20w, 42w, 60w. Available in 3000°K, 4000°K or 5700°K.
- Protections:** Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 50.000 hours.
- Installation:** Directly to ceiling or pole through screws (not included). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.



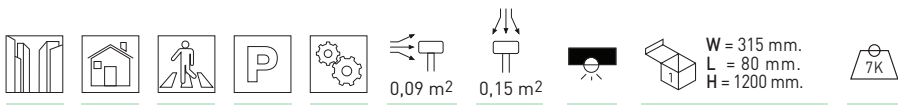
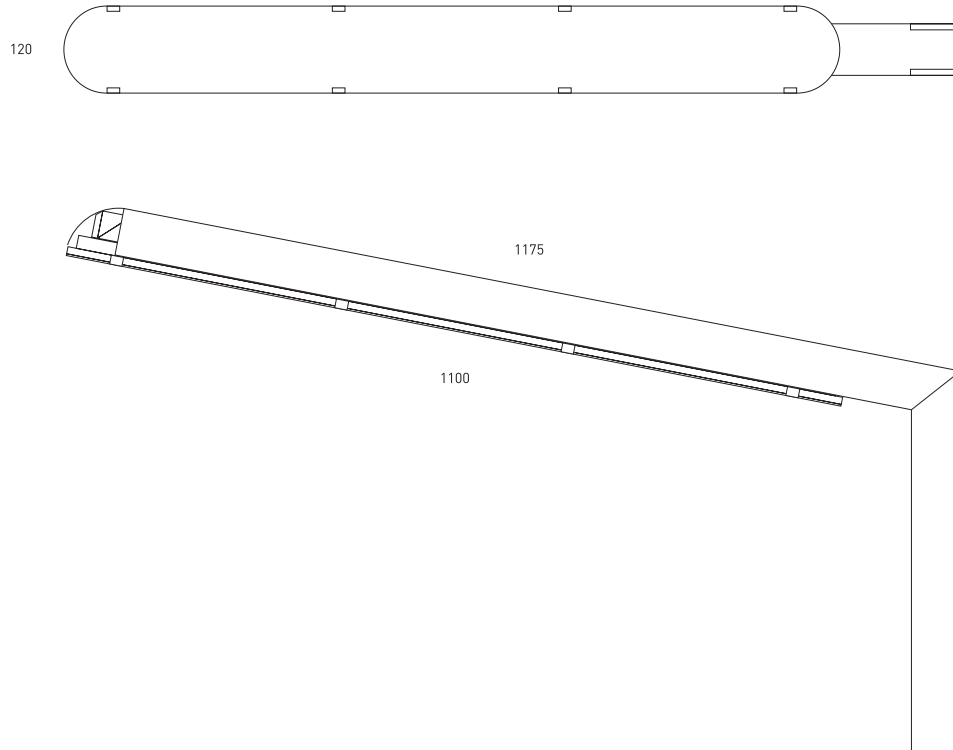
## Kloss City LED

Includes driver and LED lamps

Ref.	Colour	Lumens	W	TP €
4165 58 20 85	Gray	2100	20w	255,40
4165 58 42 85	Gray	4200	42w	284,90
4165 58 60 85	Gray	6300	60w	308,90

\* Standardly supplied with 5700°K LED lamp.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5700°K
Lum 20w	1900	2000	2100
Lum 42w	3800	4000	4200
Lum 60w	5700	6000	6300



W = 315 mm.  
L = 80 mm.  
H = 1200 mm.

**OPTIONS**

Rough price increase of accessories		20/40w	60w
Ref. <b>DR</b>	Dimmable driver 1 - 10v	80,00	90,00
Ref. <b>DRD</b>	Dimmable driver Dali	80,00	90,00
Ref. <b>DRPR</b>	Programmable driver	80,00	-
Ref. <b>DRDNTC</b>	Prog. driver & NTC control	110,60	-

Rough price increase of accessories		TP £
Ref. <b>3390</b>	Surge protector 10 KV	19,00
Ref. <b>AM</b>	Special marine environment paint	70,00

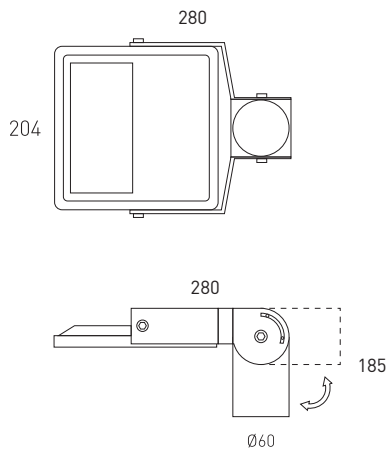


# PROTEK CITY

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** Optics included in LED lamps. Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation.
- Lamps:** Osram LEDs module composed by Duris E5 with a total power of 16w, 25w and 50w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. with quick connectors.
- Protections:** Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Life span:** L70B10 50.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 9022, white colour similar to RAL 9010, and black colour similar to RAL 9005. Available in other RAL colours on request.

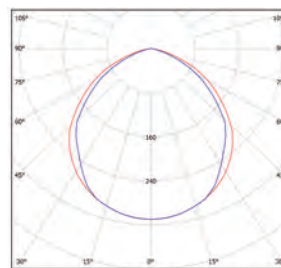
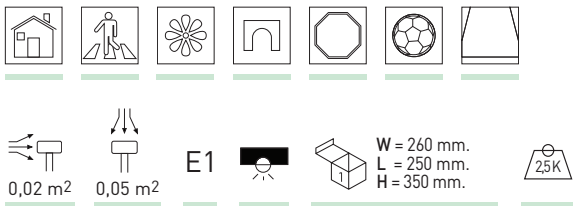


## Protek City

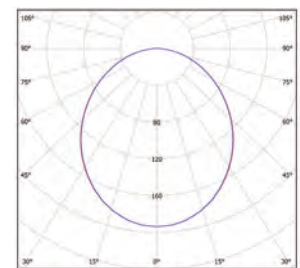
Includes LED lamps and driver

Ref.	Colour	Lamp.	Lumens	W	TP £
4179 58 16 85	Gray	LED	2110	16w	216,50
4179 58 25 85	Gray	LED	3162	25w	221,00
4179 58 50 85	Gray	LED	6332	50w	259,20

\* Standardly supplied with 5700° K lamp.



Transparent diffuser



Ref. 4131

Opal diffuser

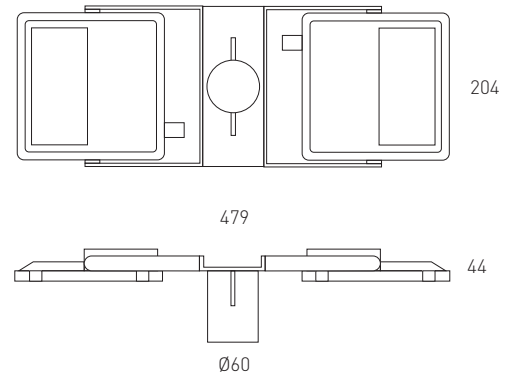
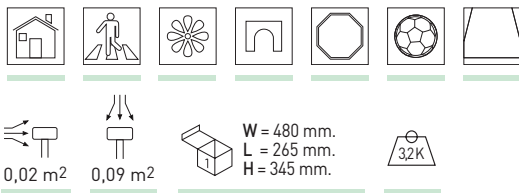
OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5700°K
Lumens Osram Duris E5	16w	1939	2110	2110
	25w	2909	3162	3162
	50w	5818	6332	6332

**OPTIONS**

Rough price increase of accessories	16w	25w	50w
Ref. DR Dimmable driver 1 - 10v	31,20	31,20	80,00
Ref. DN Double level dimmable	40,00	40,00	42,00
Ref. DRPR Programmable driver	71,30	71,30	-
Ref. DRPNTC Prog. driver & NTC control	110,60	110,60	-
Ref. 4160 Driver 12V lighting	15,00	15,00	-

Rough price increase of accessories	TP €
Ref. 4131 Opal diffuser	9,90
Ref. AM Special marine environment paint	60,00
Ref. IK10 Impact protection index	12,50





**Protek City Duo**

Includes two Protek City LED and Duo support

Ref.	Colour	Lamp.	Lumens	W	TP £
4177 58 16 85	Gray	LED	4220	2x16w	388,95
4177 58 25 85	Gray	LED	6324	2x25w	399,90
4177 58 50 85	Gray	LED	12664	2x50w	485,70

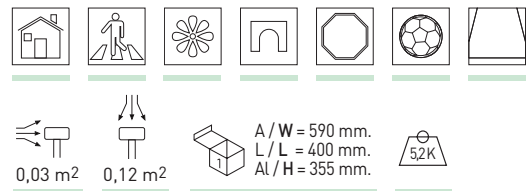
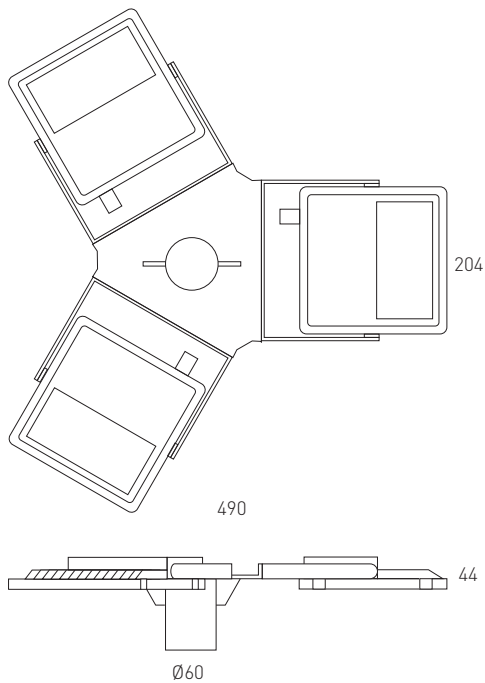
\* Standardly supplied with 5700° K lamp.

OPCIONES / OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5700°K
Lumens Osram Duris E5	16w	1939	2110	2110
	25w	2909	3162	3162
	50w	5818	6332	6332

**OPTIONS**

Rough price increase of accessories		16w	25w	50w
Ref. DR	Dimmable driver 1 - 10v	31,20	31,20	80,00
Ref. DN	Double level dimmable	40,00	40,00	42,00
Ref. DRPR	Programmable driver	105,00	105,00	-
Ref. DRPNTC	Prog. driver & NTC control	110,60	110,60	-
Ref. 4160	Driver 12V lighting	15,00	15,00	-

Rough price increase of accessories		TP £
Ref. 4131	Opal diffuser (per unit)	9,90
Ref. AM	Special marine environment paint	90,00
Ref. IK10	Impact protection index	25,00



**Protek City Trio**

Includes three Protek City LED and Trio support .

Ref.	Colour	Lamp.	Lumens	W	TP £
4178 58 16 85	Gray	LED	6330	3x16w	530,80
4178 58 25 85	Gray	LED	9486	3x25w	545,60
4178 58 50 85	Gray	LED	19000	3x50w	665,80

\* Standardly supplied with 5700° K lamp.

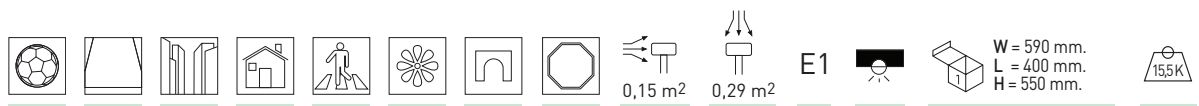
Rough price increase of accesories		TP £
Ref. AM	Special marine environment paint	110,00
Ref. IK10	Impact protection index	37,50

# RIPA

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in safety glass.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 30w, 50w, 70w and 100w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. [Other dimensions on request]. A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Gray colour similar to RAL 7012. Available in other RAL colours on request.



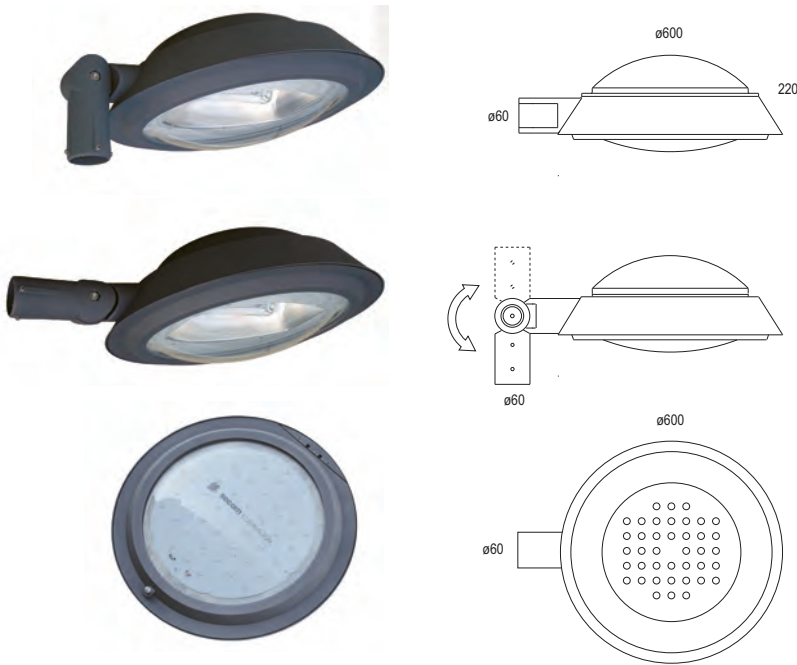
## Ripa - Symmetric optics 150°

Includes driver and 28 LED

Ref.	Colour	Lamp	W	Lum.	TP €
3361 58 30 85	Gray	LED	30w	4536	533,90
3361 58 50 85	Gray	LED	50w	6480	571,90
3361 58 70 85	Gray	LED	70w	9072	596,60
3361 58 10 85	Gray	LED	100w	12960	771,40

\* Standardly supplied with 5700°K.

OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>70 Colour temperature	Amber	3000°K	4000°K	5700°K
30w	2744	3780	4133	4536
50w	3920	5400	5904	6480
70w	5488	7560	8266	9072
100w	7840	10800	11808	12960



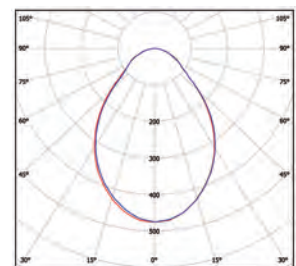
Optic compartment IP65

OPTIONS

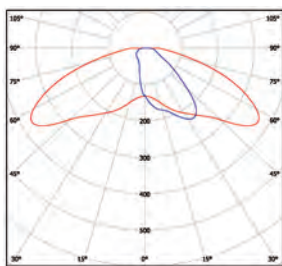
Rough price increase of accessories		30w	50w	70w	100w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00	90,00
Ref. DRPNTC	Programmable driver	110,60	110,60	110,60	110,60
Ref. DRC	Regulation at the head	105,00	80,00	90,00	90,00
Ref. DN	Double level dimmable	40,00	42,00	160,00	160,00
Ref. 4160	Driver for 12Vdc operation	15,00	-	25,00	-

Rough price increase of optics		30w	50w	70w	100w
Ref. 3408	Symmetric optics 80°	3,20	3,20	3,20	4,80
Ref. 3407	Asymmetric optics 150°	21,10	32,60	36,12	55,60
Ref. 3407 3408	Asymmetric optics 80°	21,10	32,60	36,12	55,60
Ref. 3405	Asymmetric optics Street	42,20	65,80	78,10	99,80
Ref. AMB	Amber LED	19,90	39,80	49,80	64,40

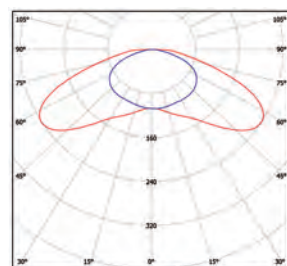
Rough price increase of accessories		TP €
Ref. 3390	Surge protector 10 KV	19,00
Ref. AM	Special marine environment paint	90,00
Ref. 6033	Reducing adapter from 60 mm to 33 mm	38,00
Ref. 6048	Reducing adapter from 60 mm to 48 mm	41,00
Ref. 6076	Reducing adapter from 60 mm to 76 mm	43,00



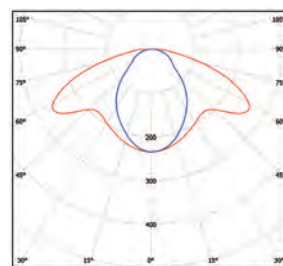
Ref. 3408 Symmetric optical 80°



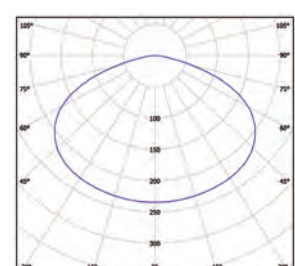
Ref. 3405 Asymmetric optical Street



Ref. 3407 Asymmetric optical 150°



Ref. 3408 3407 Asymmetric optical 80°



Symmetric optical 150°

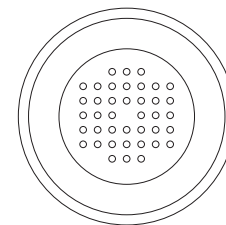
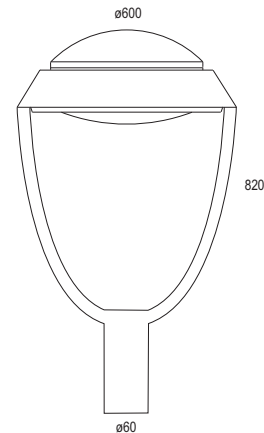


# RAY BEN

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in safety glass.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 30w, 50w, 70w and 100w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Internal protection with individual diode for each LED. Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column or crosier. Luminaire adjustable in several orientation degrees. Ø 60mm. (Other dimensions on request). A quick connector of 3 or 5 poles, IP66, it allows the installation without opening the luminaire.
- Ambient tem.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Sablé gray colour similar to RAL 7012. Available in other RAL colours on request.



## Ray Ben - Symmetric optics 150°

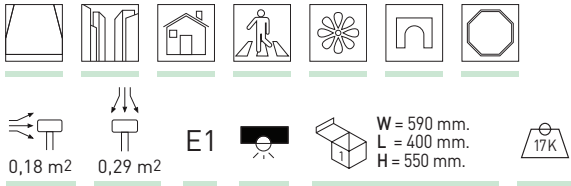
Includes driver and 28 LED

Ref.	Colour	Lamp	W	Lum.	TP €
3369 58 30 85	Gray	LED	30w	4536	667,80
3369 58 50 85	Gray	LED	50w	6480	705,85
3369 58 70 85	Gray	LED	70w	9072	724,80
3369 58 10 85	Gray	LED	100w	12960	821,75

\* Standardly supplied with 5700°K.

### OPTIONS LED

	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>70 / Colour temperature	Amber	3000°K	4000°K	5700°K
30w	2744	3780	4133	4536
50w	3920	5400	5904	6480
70w	5488	7560	8266	9072
100w	7840	10800	11808	12960

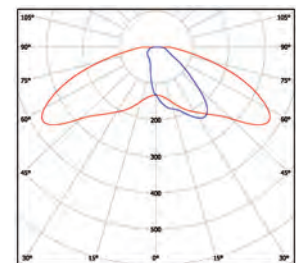


OPTIONS

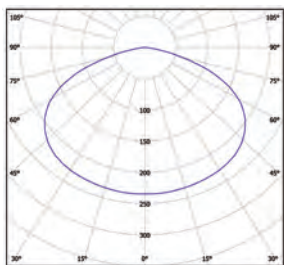
Rough price increase of accessories		30w	50w	70w	100w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00	90,00
Ref. DRPNTC	Programmable driver	110,60	110,60	110,60	110,60
Ref. DRC	Regulation at the head	105,00	80,00	90,00	90,00
Ref. DN	Double level dimmable	40,00	42,00	160,00	160,00
Ref. 4160	Driver for 12Vdc operation	15,00	-	25,00	-

Rough price increase of optics		30w	50w	70w	100w
Ref. 3408	Symmetric optics 80°	3,20	3,20	3,20	4,80
Ref. 3407	Asymmetric optics 150°	21,20	32,60	36,12	55,60
Ref. 3407 3408	Asymmetric optics 80°	21,20	32,60	36,12	55,60
Ref. 3405	Asymmetric optics Street	42,20	65,80	78,10	99,80
Ref. AMB	Amber LED	19,90	39,80	49,80	64,40

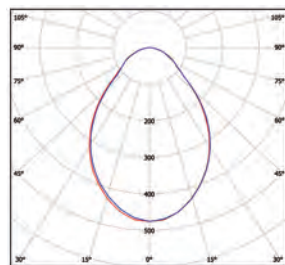
Rough price increase of accessories		TP €
Ref. 3390	Surge protector 10 KV	19,00
Ref. AM	Special marine environment paint	110,00



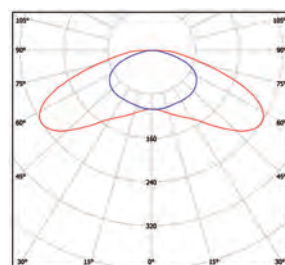
Ref. 3405 Asymmetric optical Street



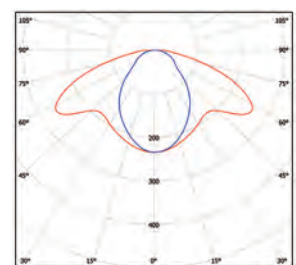
Symmetric optical 150°



Ref. 3408 Symmetric optical 80°



Ref. 3407 Asymmetric optical 150°



Ref. 3408 3407 Asymmetric optical 80°







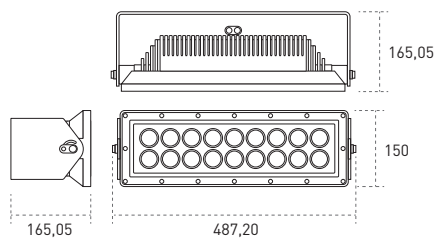


# ESDIUM TUNNEL

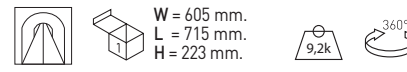
Protection degree IP66. Impact protection IK08



- Material:** Module and bracket made of thermo painted injected aluminum.
- Optics:** LED modules include asymmetric 2 sides, aerial symmetric and asymmetric Counter-beam optics. Includes waterproof methacrylate (PMMA) with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with 1-10V dimmable driver (Ref.- DR), Dali dimmable driver (Ref.- DRD) or programmable dimmable driver (Ref.- DRP) and Regulation at the heady (DRC).
- Lamps:** Module composed by M or Mz Lumileds Luxeon LED with a total power of 150w and 300w. Available in 3000K, 4000K and 5000K. CRI>70.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly to wall or street furniture not (screws no included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray.  
It can be supplied in other RAL colours by request.



Esdium Tunnel LED M1



**OPTIONS**

Rough price increase of accessories		150w
Ref. DR	Dimmable driver 1 - 10v	135,00
Ref. DRD	Dimmable driver Dali	139,00
Ref. DRP	Programmable driver	165,00

**Esdium Tunnel M1 - 150w - Asymmetric optics 2 sides**



Includes driver and LEDs lamp

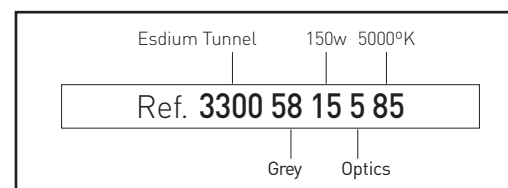
Ref.	Colour	Lumens	Module	W	TP £
3300 58 15 5 85	Gris / Gray	16020	M1 (1)	150w	824,70

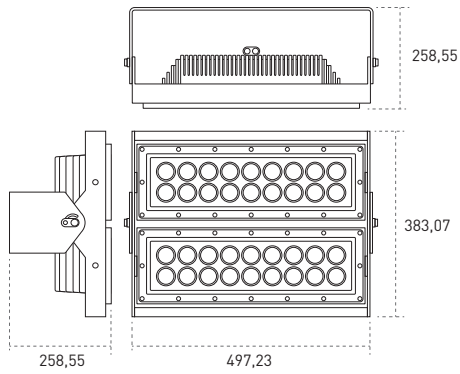
\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied with asymmetric optic 2 sides 120° Lengthwise and 40° transversal.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>70 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens		150w 14058	15840	16020
		300w 28116	31680	32040

Rough price increase of optics		150w
Ref. 6	Óptica asimétrica cenital 140° log. y 80° transversal	18,90
Ref. 7	Óptica asimétrica 50° Counter-beam / Asymmetric optics 50° Counter-beam	18,95

Example to compose a reference with options



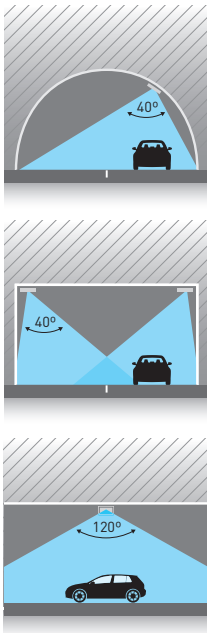


Esdium Tunnel LED M2



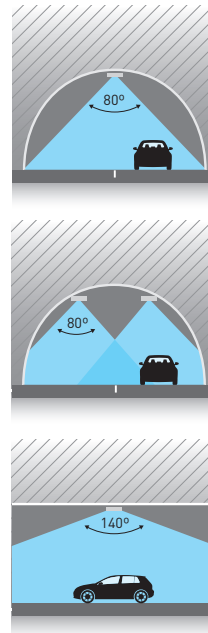
Ref. 5

Óptica asimétrica 2 lados 120° log. y 40° transversal a 25°.  
Asymmetric optics 2 sides lengthwise and 40° transversal.



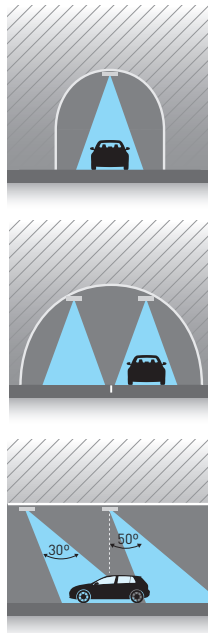
Ref. 6

Óptica asimétrica cenital 140° logitudinal y 80° transversal.  
Aerial asymmetric optic 140° lengthwise and 80° Cross.



Ref. 7

Óptica asimétrica 50° Counter-beam  
Asymmetric optics 50° Counter-beam



Esdium Tunnel M2 - 300w - Asymmetric optics 2 sides



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
3300 58 30 5 85	Gray	32040	M2 [2]	300w	1499,40

\* Standardly supplied with 5000°K LED lamp.

\* Standardly supplied with asymmetric optic 2 sides 120° Lengthwise and 40° transversal.

Rough price increase of accessories		TP €
Ref. AM	Special marine environment paint	90,00
Ref. IK10	Impact protection index	25,00



W = 605 mm.  
L = 715 mm.  
H = 223 mm.



OPTIONS

Rough price increase of accessories		300w
Ref. DR	Dimmable driver 1 - 10v	270,00
Ref. DRD	Dimmable driver Dali	278,00
Ref. DRP	Programmable driver	330,00

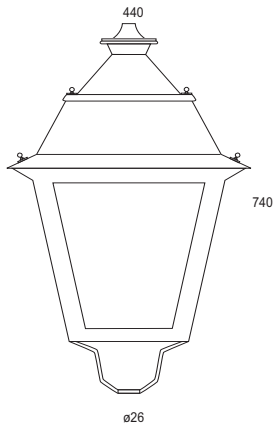
Rough price increase of optics		300w
Ref. 6	Aerial asymmetric optic 140° lengthwise and 80° Cross	37,80
Ref. 7	Asymmetric optics 50° Counter-beam	37,90

# URA

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 30w, 50w, 70w and 100w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column Ø 3/4".
- Ambient temp.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Black luminaire with brass screws. Available in other RAL colours on request.



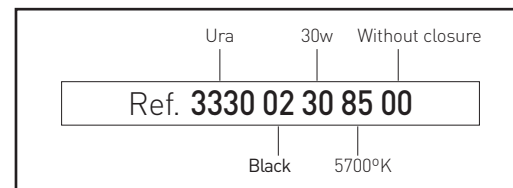
Ura - Symmetric optics 150° - Without closing

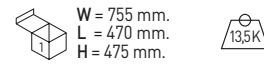
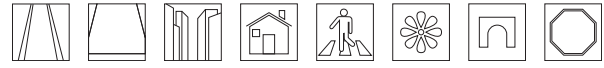
Includes driver and LED lamps

Ref.	Colour	Lamp	W	Lum.	TP €
3330 02 30 85 00	Black	LED	30w	4536	418,30
3330 02 50 85 00	Black	LED	50w	6840	490,20
3330 02 70 85 00	Black	LED	70w	9072	531,14
3330 02 10 85 00	Black	LED	100w	12960	569,50

\* Standardly supplied with 5700°K.

Example to compose a reference with options

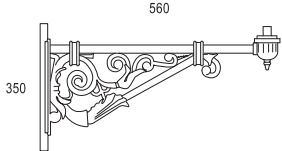




OPTIONS LED	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
CRI>70 / Colour temperature	Amber	3000°K	4000°K	5700°K
30w	2744	3780	4133	4536
50w	3920	5400	5904	6480
70w	5488	7560	8266	9072
100w	7840	10800	11808	12960



Ref. 3331  
Brazo a pared / Wall-adaptor



OPTIONS

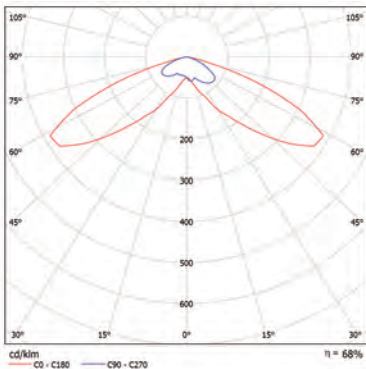
Rough price increase of accessories		30w	50w	70w	100w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00	90,00
Ref. DRPNTC	Programmable driver	110,60	110,60	110,60	110,60
Ref. 4160	Driver for 12Vdc operation	15,00	-	25,00	-

Rough price increase of optics		30w	50w	70w	100w
Ref. 3408	Symmetric optics 80°	3,20	3,20	3,20	4,80
Ref. 3407	Asymmetric optics 150°	36,12	36,12	36,12	55,60
Ref. AMB	Amber LED	19,90	39,80	49,80	64,40

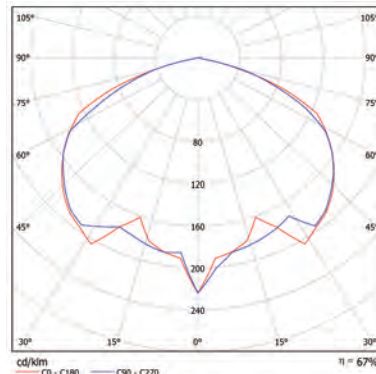
Rough price increase of accessories		TP £
Ref. 01	Matt polycarbonate closure	34,80
Ref. 02	Transparent polycarbonate closure	33,50
Ref. 3390	Surge protector 10 KV	19,00
Ref. AM	Special marine environment paint	100,00
Ref. 3331	Wall-adaptor for sustained lamps	95,20
Ref. 3335	Reducing adapter for posts Ø60mm	49,90



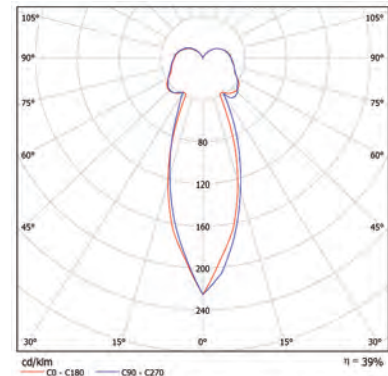
Optic group IP65.



Ura LED asymmetric optics 150° without closure or closure of transparent polycarbonate.



Ura LED symmetric optics 150° without closure or closure of transparent polycarbonate.



Ura LED symmetric optics 150° and closure of matt polycarbonate.







# REGAL

Protection degree IP65. Impact protection IK08



- Material:** Body made of injected aluminum, blasting and polyester thermo painted without TGIC. Outdoor resistance. Optionally it can be supplied with special paint resistant to marine environment.
- Optics:** 80° / 150° optics included in LED lamps. Available several asymmetric optics LEDIL brand (Finland). Closure in methacrylate (PMMA) for good light path LEDs and UV resistance.
- Supply:** Driver included for all models, power factor > 0.95. It can be provided optionally with 1-10V dimmable driver, Dali dimmable driver, programmable dimmable driver with 5 levels without control line, double power level with no line of command, header regulation.
- Lamps:** Osram LEDs module composed by Oslon SSL with a total power of 30w, 50w, 70w and 100w. Available in 3000°K, 4000°K or 5700°K. High purity aluminium PCB from 1,6 mm. lacquered in white colour with quick connectors.
- Protections:** Standard Surge protector of 4KV driver. Available 10KV surge on request.
- Lifespan:** L70B10 100.000 hours.
- Installation:** To mount on column Ø 3/4".
- Ambient tem.:** -20° C to 40° C. Optionally supplied with NTC temperature probe.
- Colours:** Black and gray. Available in other RAL colours on request.
- Options:** Several optical compartment available to replace.



## Regal - Symmetric optics 150° - Without closing



Includes driver and 28 LED

Ref.	Colour	Lamp	W	Lum.	TP £
3341 02 30 85 00	Black	LED	30w	4536	557,65
3341 02 50 85 00	Black	LED	50w	6480	591,85
3341 02 70 85 00	Black	LED	70w	9072	607,05
3341 02 10 85 00	Black	LED	100w	12960	673,20

\* Standardly supplied with 5700°K.

## Regal - Symmetric optics 150° - Prismatic polycarbonate



Includes driver and 28 LED

Ref.	Colour	Lamp	W	Lum.	TP £
3341 02 30 85 02	Black	LED	30w	4536	566,20
3341 02 50 85 02	Black	LED	50w	6480	604,20
3341 02 70 85 02	Black	LED	70w	9072	628,90
3341 02 10 85 02	Black	LED	100w	12960	730,60

\* Standardly supplied with 5700°K.

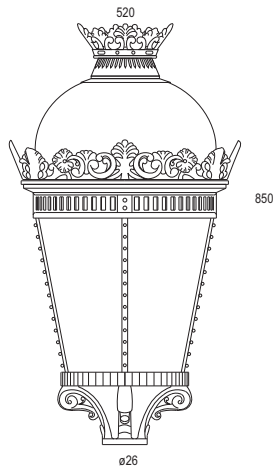
## Regal - Symmetric optics 150° - Transparent polycarbonate



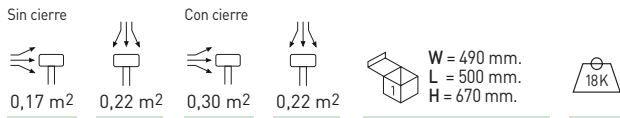
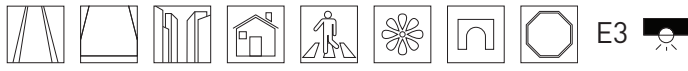
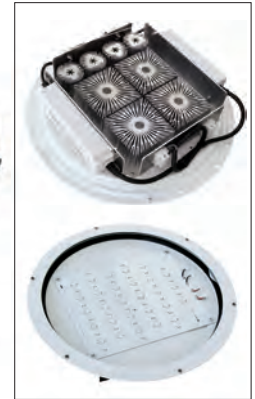
Includes driver and 28 LED

Ref.	Colour	Lamp	W	Lum.	TP £
3341 02 30 85 03	Black	LED	30w	4536	566,20
3341 02 50 85 03	Black	LED	50w	6480	604,20
3341 02 70 85 03	Black	LED	70w	9072	628,90
3341 02 10 85 03	Black	LED	100w	12960	730,60

\* Standardly supplied with 5700°K.



Optical compartment IP65



OPTIONS LED

CRI>70 / Colour temperature	Ref. AMB	Ref. 83	Ref. 84	Ref. 85
30w	2744	3780	4133	4536
50w	3920	5400	5904	6480
70w	5488	7560	8266	9072
100w	7840	10800	11808	12960

OPCIONES / OPTIONS

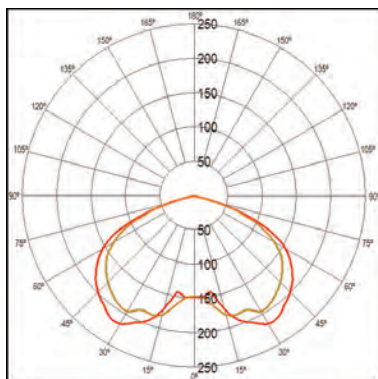
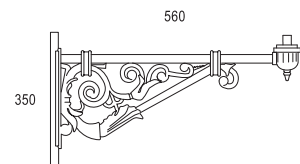
Rough price increase of accessories		30w	50w	70w	100w
Ref. DR	Dimmable driver 1 - 10v	31,20	80,00	90,00	90,00
Ref. DRD	Dimmable driver Dali	82,00	80,00	90,00	90,00
Ref. DRPR	Programmable driver	105,00	80,00	90,00	90,00
Ref. DRPNTC	Programmable driver	110,60	110,60	110,60	110,60
Ref. 4160	Driver for 12Vdc operation	15,00	-	25,00	-

Rough price increase of optics		30w	50w	70w	100w
Ref. 3408	Symmetric optics 80°	3,20	3,20	3,20	4,80
Ref. 3407	Asymmetric optics 150°	21,20	32,60	36,12	55,60
Ref. AMB	Amber LED	19,90	39,80	49,80	64,40

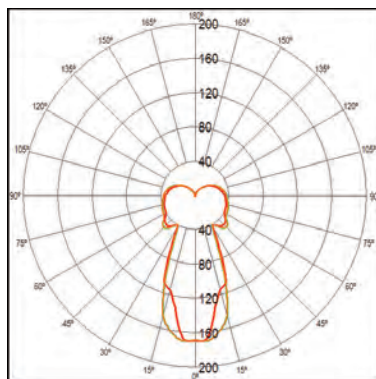
Rough price increase of accessories		TP €
Ref. 02	Matt prismatic closure	32,90
Ref. 03	Transparent polycarbonate closure	35,00
Ref. 3390	Surge protector 10 KV	19,00
Ref. AM	Special marine environment paint	120,00
Ref. 3331	Wall-adapter for sustained lamps	95,20
Ref. 3335	Reducing adapter for posts ø60mm	49,90



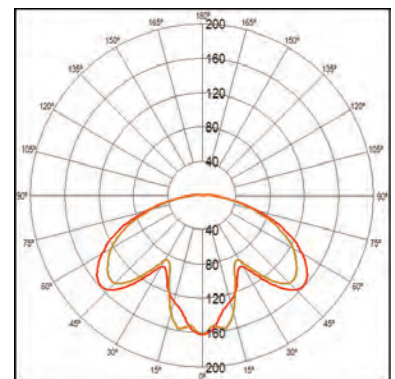
Ref. 3331  
Braza a pared / Wall-adapter



Without closing  
FHS: 0,60%



Matt with closing  
FHS: 24,9%



Prismatic with closing  
FHS: 3,97%







## LED Optical Compartment

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.



### Optical compartment IP65 - URA LED



Includes fittings, protection polycarbonate, heatsinks, driver and LED lamps

Ref.	Lamp	W	Lum.	TP £
3410 30 85	LED	30w	4536	254,26
3410 50 85	LED	50w	6480	340,10
3410 70 85	LED	70w	9072	358,80
3410 10 85	LED	100w	12960	390,92

\* Standardly supplied with 5700°K.



### Optical compartment IP65 - REGAL LED



Includes fittings, protection polycarbonate, heatsinks, driver and LED lamps

Ref.	Lamp	W	Lum.	TP £
3411 30 85	LED	30w	4536	289,90
3411 50 85	LED	50w	6480	341,60
3411 70 85	LED	70w	9072	373,10
3411 10 85	LED	100w	12960	399,90

\* Standardly supplied with 5700°K.



Optical compartment - ECODUT LED



Includes fittings, heatsinks, driver and LED lamps

Ref.	Lamp	W	Lum.	TP €
3412 30 85	LED	30w	4536	292,10
3412 50 85	LED	50w	6480	322,40
3412 70 85	LED	70w	9072	333,40
3412 10 85	LED	100w	12960	488,22

\* Standardly supplied with 5700°K.



Optical compartment - RIPA LED



Includes fittings, heatsinks, driver and LED lamps

Ref.	Lamp	W	Lum.	TP €
3413 30 85	LED	30w	4536	292,60
3413 50 85	LED	50w	6480	372,20
3413 70 85	LED	70w	9072	390,80
3413 10 85	LED	100w	12960	517,50

\* Standardly supplied with 5700°K.



Optical compartment - RAY BEN LED



Includes fittings, heatsinks, driver and LED lamps

Ref.	Lamp	W	Lum.	TP €
3414 30 85	LED	30w	4536	293,20
3414 50 85	LED	50w	6480	371,20
3414 70 85	LED	70w	9072	390,80
3414 10 85	LED	100w	12960	517,50

\* Standardly supplied with 5700°K.



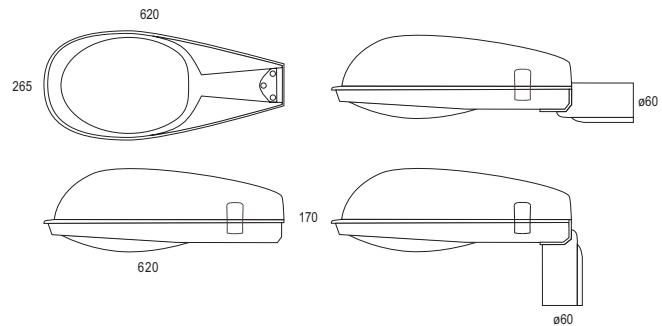


# ECODUT

Protection degree IP65. Impact protection IK08



- Material:** Body of the luminaire made in thermo painted injected aluminium.
- Optics:** Aluminium reflector for lamps in horizontal position with sealed protector glass.
- Supply:** All models include control gear and lamps.
- Lamps:** High pressure sodium lamps, white sodium lamps, and metallic halide lamps.
- Installation:** Coupling for mounting in columns in horizontal or vertical. ø60mm.
- Colours:** Gray. It can be supplied in other RAL colours by request.



Supplied with accessories for columns of 90 ° and 180 °

ECODUT - EMPTY LAMP		TP £
Ref. 3346 58	Empty lamp with tempered glass closing and IP65 reflector	192,60

## Ecodut - High Pressure Sodium



Includes closing, control gear and lamp HIGH PRESSURE SODIUM

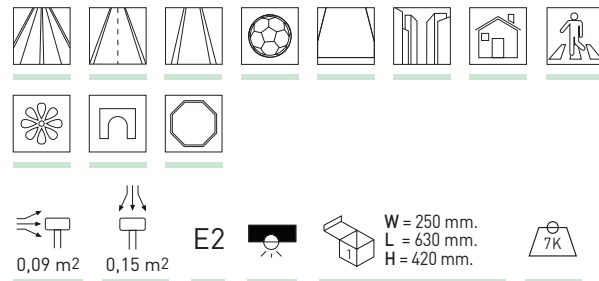
Ref.	Colour	Lamp	Port./ L/H	W	TP £
3347 58 50	Gray	SON-T	E-27	50W	300,32
3347 58 70	Gray	SON-T	E-27	70W	301,03
3347 58 10	Gray	SON-T	E-40	100W	302,58
3347 58 15	Gray	SON-T	E-40	150W	315,42
3347 58 25	Gray	SON-T	E-40	250W	329,84

## Ecodut - Metal halide



Includes closing, control gear and HQI lamp

Ref.	Colour	Lamp	Port./ L/H	W	TP £
3350 58 50	Gray	CDO TT	E-27	50W	348,28
3350 58 70	Gray	CDO TT	E-27	70W	352,69
3350 58 10	Gray	CDO TT	E-40	100W	356,58
3350 58 15	Gray	CDO TT	E-40	150W	360,88
3350 58 25	Gray	CDO TT	E-40	250W	436,38



0,09 m<sup>2</sup> 0,15 m<sup>2</sup> E2 W = 250 mm. L = 630 mm. H = 420 mm.

### DOUBLE LEVEL DIMMABLE WITH ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP £
Ref. RLM70	High pressure sodium / HQI 70w	56,00
Ref. RLM100	High pressure sodium / HQI 100w	58,20
Ref. RLM150	High pressure sodium / HQI 150w	72,20
Ref. RLM250	High pressure sodium / HQI 250w	85,40

### DOUBLE LEVEL DIMMABLE WITHOUT ADDITIONAL CONTROL WIRE OPTION

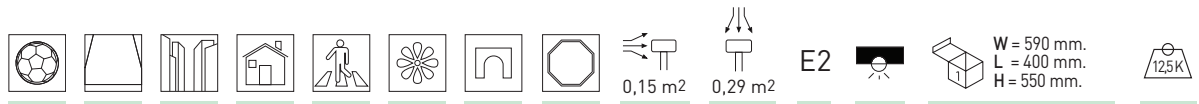
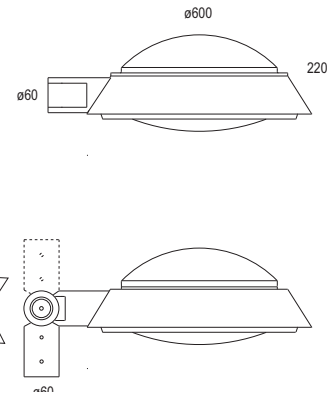
Rough price increase of control gear		TP £
Ref. RSL50	High pressure sodium / HQI 50w	56,10
Ref. RSL70	High pressure sodium / HQI 70w	57,10
Ref. RSL100	High pressure sodium / HQI 100w	58,30
Ref. RSL150	High pressure sodium / HQI 150w	72,90
Ref. RSL250	High pressure sodium / HQI 250w	92,20

# RIPA

Protection degree IP65. Impact protection IK08



**Material:** Body of the luminaire made in thermo painted injected aluminium.  
**Optics:** Aluminium reflector for lamps in horizontal position with secured glass closure.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It uses high pressure lamps, white sodium lamps and halide lamps.  
**Installation:** Coupling for mounting in columns in horizontal, vertical or intermediate position. ø60mm.  
**Colours:** Gray. It can be supplied in other RAL colours by request.



## Ripa - High Pressure Sodium



Includes control gear and lamp HIGH PRESSURE SODIUM

Ref.	Colour	Lamp	Port./ L/H	W	TP £
3356 58 50	Gray	SON-T	E-27	50W	381,48
3356 58 70	Gray	SON-T	E-27	70W	382,20
3356 58 10	Gray	SON-T	E-40	100W	383,25
3356 58 15	Gray	SON-T	E-40	150W	396,58
3356 58 25	Gray	SON-T	E-40	250W	411,01

### DOUBLE LEVEL DIMMABLE WITH ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP £
Ref. RLM70	High pressure sodium / HQI 70w	56,00
Ref. RLM100	High pressure sodium / HQI 100w	58,20
Ref. RLM150	High pressure sodium / HQI 150w	72,20
Ref. RLM250	High pressure sodium / HQI 250w	85,40

## Ripa - Metal halide



Includes control gear and HQI lamp

Ref.	Colour	Lamp	Port./ L/H	W	TP £
3359 58 50	Gray	CDO TT	E-27	50W	429,45
3359 58 70	Gray	CDO TT	E-27	70W	433,86
3359 58 10	Gray	CDO TT	E-40	100W	437,74
3359 58 15	Gray	CDO TT	E-40	150W	442,05
3359 58 25	Gray	CDO TT	E-40	250W	517,54

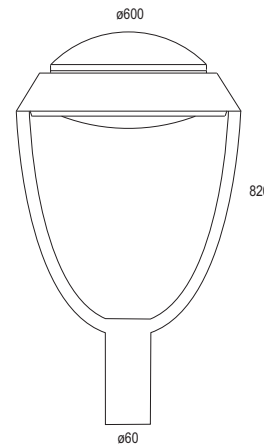
### DOUBLE LEVEL DIMMABLE WITHOUT ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP £
Ref. RSL50	High pressure sodium / HQI 50w	56,10
Ref. RSL70	High pressure sodium / HQI 70w	57,10
Ref. RSL100	High pressure sodium / HQI 100w	58,30
Ref. RSL150	High pressure sodium / HQI 150w	72,90
Ref. RSL250	High pressure sodium / HQI 250w	92,20

# RAY BEN

Protection degree IP65. Impact protection IK08

- Material:** Body of the luminaire made in thermo painted injected aluminium.
- Optics:** Aluminium reflector for lamps in horizontal position with sealed protector glass.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses high pressure lamps, white sodium lamps and halide lamps.
- Installation:** Coupling for mounting in columns.  $\varnothing 60$ mm.
- Colours:** Grey. It can be supplied in other RAL colours by request.



RAY BEN - EMPTY LAMP		TP £
Ref. <b>3600 58</b>	Empty lamp with tempered glass closing and IP65 reflector	<b>402,90</b>

## Ray Ben - High Pressure Sodium



Includes control gear and HIGH PRESSURE SODIUM lamp

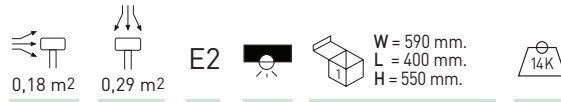
Ref.	Colour	Lamp	Port./ L/H	W	TP £
<b>3364 58 50</b>	Gray	SON-T	E-27	50W	<b>529,74</b>
<b>3364 58 70</b>	Gray	SON-T	E-27	70W	<b>530,46</b>
<b>3364 58 10</b>	Gray	SON-T	E-40	100W	<b>532,01</b>
<b>3364 58 15</b>	Gray	SON-T	E-40	150W	<b>544,84</b>
<b>3364 58 25</b>	Gray	SON-T	E-40	250W	<b>559,23</b>

## Metal halide



Includes control gear and HQI lamp

Ref.	Colour	Lamp	Port./ L/H	W	TP £
<b>3367 58 50</b>	Gray	CDO TT	E-27	50W	<b>577,71</b>
<b>3367 58 70</b>	Gray	CDO TT	E-27	70W	<b>582,12</b>
<b>3367 58 10</b>	Gray	CDO TT	E-40	100W	<b>586,00</b>
<b>3367 58 15</b>	Gray	CDO TT	E-40	150W	<b>590,31</b>
<b>3367 58 25</b>	Gray	CDO TT	E-40	250W	<b>666,85</b>



## DOUBLE LEVEL DIMMABLE WITH ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP £
Ref. <b>RLM70</b>	High pressure sodium / HQI 70w	<b>56,00</b>
Ref. <b>RLM100</b>	High pressure sodium / HQI 100w	<b>58,20</b>
Ref. <b>RLM150</b>	High pressure sodium / HQI 150w	<b>72,20</b>
Ref. <b>RLM250</b>	High pressure sodium / HQI 250w	<b>85,40</b>

## DOUBLE LEVEL DIMMABLE WITHOUT ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP £
Ref. <b>RSL50</b>	High pressure sodium / HQI 50w	<b>56,10</b>
Ref. <b>RSL70</b>	High pressure sodium / HQI 70w	<b>57,10</b>
Ref. <b>RSL100</b>	High pressure sodium / HQI 100w	<b>58,30</b>
Ref. <b>RSL150</b>	High pressure sodium / HQI 150w	<b>72,90</b>
Ref. <b>RSL250</b>	High pressure sodium / HQI 250w	<b>92,20</b>

# URA

Protection degree optical compartment IP65. Protection degree container equipment IP44. Impact protection index IK08



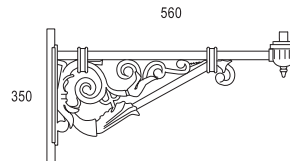
**Material:** Body of the luminaire made in thermo painted aluminium.  
**Optics:** Aluminium reflector for horizontal position lamps and protector sealed glass. It can be supplied without closure, with matt opal closure or with transparent polycarbonate closure. IP65 polycarbonate Optical compartment.  
**Supply:** All models include control gear and lamps.  
**Lamps:** It uses high pressure sodium lamps, white sodium lamps, and metallic halide lamps.  
**Installation:** Coupling for mounting in columns. 3/4"  
**Colours:** Black with copper screw.



Optical compartment IP65 with lamp horizontal



Ref. 3331 Wall-adapter



Icons for various lamp types and mounting options. E3. 105K.

Sin cierre: 0,12 m<sup>2</sup>, 0,20 m<sup>2</sup>  
 Con cierre: 0,20 m<sup>2</sup>, 0,20 m<sup>2</sup>

W = 755 mm.  
 L = 470 mm.  
 H = 475 mm.



**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	Port./ L/H	W	TP €
3323 02 50 00	Black	SON-T	E-27	50W	308,52
3323 02 70 00	Black	SON-T	E-27	70W	309,20
3323 02 10 00	Black	SON-T	E-40	100W	310,68
3323 02 15 00	Black	SON-T	E-40	150W	322,90



**Incluye equipo y lámpara HQL / Includes control gear and HQL lamp**

Ref.	Colour	Lamp	Port./ L/H	W	TP €
3326 02 50 00	Black	CDO TT	E-27	50W	354,20
3326 02 70 00	Black	CDO TT	E-27	70W	358,40
3326 02 10 00	Black	CDO TT	E-40	100W	362,10

**Rough price increase of accessories**

Ref.	TP €
Ref. 01 Matt polycarbonate closure	34,80
Ref. 02 Transparent polycarbonate closure	33,50

**ACCESSORIES**

Ref.	Description	TP €
Ref. 3331	Wall-adapter for sustained lamps	95,20
Ref. 3335	Reducing adapter for posts Ø60mm	49,90

**DOUBLE LEVEL DIMMABLE WITH ADDITIONAL CONTROL WIRE OPTION**

Ref.	Description	TP €
Ref. RLM70	High pressure sodium / HQL 70w	56,00
Ref. RLM100	High pressure sodium / HQL 100w	58,20
Ref. RLM150	High pressure sodium / HQL 150w	72,20
Ref. RLM250	High pressure sodium / HQL 250w	85,40

**DOUBLE LEVEL DIMMABLE WITHOUT ADDITIONAL CONTROL WIRE OPTION**

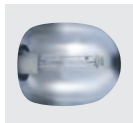
Ref.	Description	TP €
Ref. RSL50	High pressure sodium / HQL 50w	56,10
Ref. RSL70	High pressure sodium / HQL 70w	57,10
Ref. RSL100	High pressure sodium / HQL 100w	58,30
Ref. RSL150	High pressure sodium / HQL 150w	72,90
Ref. RSL250	High pressure sodium / HQL 250w	92,20

# REGAL

Protection degree optical compartment IP65. Protection degree container equipment IP44. Impact protection index IK08



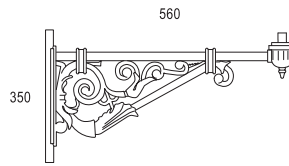
- Material:** Body of the luminaire made in thermo painted aluminium.
- Optics:** Aluminium reflector for lamps in horizontal position with sealed protector glass. It can be supplied without closure, with transparent closure or with prismatic polycarbonate closure.
- Supply:** All models include control gear and lamps.
- Lamps:** It uses high pressure sodium lamps, white sodium lamps and metallic halide lamps.
- Installation:** Coupling for mounting in columns. 3/4"
- Colours:** Black and gray. It can be supplied in other RAL colours by request.



Optical compartment IP65 with lamp horizontal



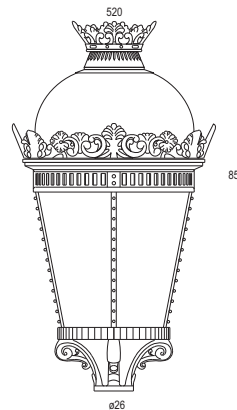
Ref. 3331 Wall-adaptor



Icons representing various lamp types and features: E3, 15K, and mounting options.

Sin cierre: 0,17 m<sup>2</sup>  
 Con cierre: 0,22 m<sup>2</sup>, 0,30 m<sup>2</sup>, 0,22 m<sup>2</sup>

W = 490 mm.  
 L = 500 mm.  
 H = 670 mm.



REGAL - 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	Port./ L/H	W	TP €
3336 02 50 00	Black	SON-T	E-27	50W	396,62
3336 02 70 00	Black	SON-T	E-27	70W	397,30
3336 02 10 00	Black	SON-T	E-40	100W	398,78
3336 02 15 00	Black	SON-T	E-40	150W	411,00
3336 02 25 00	Black	SON-T	E-40	250W	424,74



Includes control gear and HQI lamp

Ref.	Colour	Lamp	Port./ L/H	W	TP €
3339 02 50 00	Black	CDO TT	E-27	50W	442,30
3339 02 70 00	Black	CDO TT	E-27	70W	446,50
3339 02 10 00	Black	CDO TT	E-40	100W	450,20

Rough price increase of accessories		TP €
Ref. 02	Matt prismatic closure	32,90
Ref. 03	Transparent polycarbonate closure	35,00

## ACCESSORIESTP €

Rough price increase of accessories		€
Ref. 3331	Wall-adaptor for sustained lamps	95,20
Ref. 3335	Reducing adapter for posts Ø60mm	49,90

## DOUBLE LEVEL DIMMABLE WITH ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP €
Ref. RLM70	High pressure sodium / HQI 70w	56,00
Ref. RLM100	High pressure sodium / HQI 100w	58,20
Ref. RLM150	High pressure sodium / HQI 150w	72,20
Ref. RLM250	High pressure sodium / HQI 250w	85,40

## DOUBLE LEVEL DIMMABLE WITHOUT ADDITIONAL CONTROL WIRE OPTION

Rough price increase of control gear		TP €
Ref. RSL50	High pressure sodium / HQI 50w	56,10
Ref. RSL70	High pressure sodium / HQI 70w	57,10
Ref. RSL100	High pressure sodium / HQI 100w	58,30
Ref. RSL150	High pressure sodium / HQI 150w	72,90
Ref. RSL250	High pressure sodium / HQI 250w	92,20





## CONTROL YOUR CITY

**SENET** is an innovative technology that allows total control of each light spot independently the design of existing networks, it does not need to perform extra works in the installation

Thanks to the logic lighting control and the integration of sensors, we provide intelligence to the network.

**SENET** offers the most innovative software to lighting world.

## WHERE WE WORK

**SENET** can be used on public lighting located in any type of route: squares, urbanizations, parks, historic area, tunnels ...

Adapting it to the specific needs.

We have solutions for outdoor lighting of shopping centers, stadiums, sports centers ...

We adapt to interior solutions, with facilities special in factories, sport ports...

In addition, we can combine our telemanagement system sensors, providing intelligence: detectors presence, air quality, luxometers, thermometers ...



# REMOTE CONTROL SYSTEMS POINT TO POINT

It allows to implement a logical lighting management system based on the needs of the client, not depending on the classic configurations.

## ADVANTAGES

- Reduce maintenance costs.
- Suppress control checks.
- Detects failures in real time.
- Light reductions.
- More efficient installations.
- Selective off and on.
- Real time remote control.
- Savings in consumption.
- Reduction of CO2 emissions.
- Compatible with other systems

## COMMUNICATIONS

Multi-band radiofrequency communications create an intelligent mesh network, Compatible with others systems, independently of the network and protocols employees.

The elements of the system can be communicated by:  
Radiofrequency, GPRS, 3G, Wifi, Ethernet ...



# LED DRIVER FOR REMOTE CONTROL SYSTEM **SENET**

Thanks to its wireless communications can remotely and autonomously control luminaires, to improve the efficiency of the luminaire and to save energy with control policies.

**Adjustable 10-100%.**



## COMMUNICATIONS ACCESS POINT

The device allows communications between different devices.

It presents different options, working as "translator" of communication technologies.

Equipped with RTC, it maintains programmed instructions of autonomous form.

### COMMUNICATIONS



## TECHNICAL CHARACTERISTICS

- Supply Voltage: 110-230 Vac 50 / 60Hz.
- Communications: Radio Frequency 433 MHz.
- Communication ports: RS232 Modbus 485.
- Communications1: RF, Ethernet, Wifi, 3G, GPRS.
- Local control and remote control.
- RTC: Real-time clock.  
Ensures autonomous hourly scheduling in case of Unavailability of the server.
- MTBF: 100,000 Hours.
- FW remote update capability.

## APPLICATIONS

It allows to implement a logical management Lighting system, based on the needs of the customer, not depending on the classic configurations.



A close-up, low-angle shot of a modern LED sports lighting fixture. The fixture is composed of a grey metal frame and a white panel containing numerous small, yellow LED chips. The perspective is from below, looking up at the fixture. A solid blue rectangular overlay is positioned in the upper left quadrant, partially covering the fixture. The text 'SPORT LIGHTING' is printed in white, bold, sans-serif capital letters on this blue background.

# SPORT LIGHTING



Sports facilities lumineaires \_\_\_\_\_



Sports facilities luminaires



Esdium Sport LED M1 - horizontal 392



Esdium Sport LED M2 - horizontal 393



Esdium Sport LED M3 - horizontal 394



Esdium Sport LED M3 - vertical 394



Esdium Sport LED M4 - vertical 395



Esdium Sport LED M5 - vertical 396



Esdium Sport LED M6 - vertical 397



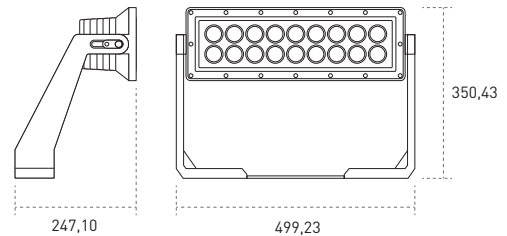


# ESDIUM SPORT

Protection degree IP66. Impact protection IK08 - IK10



- Material:** Module and bracket made of thermo painted injected aluminum.
- Optics:** LED modules include 100°, 50°, 41°, 32°, 21° and asymmetric 2 sides optics. TV broadcasting LED (5700°K CRI>90). Includes waterproof methacrylate (PMMA) with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with 1-10V dimmable driver (Ref.- DR), Dali dimmable driver (Ref.- DRD) or programmable dimmable driver (Ref.- DRP) and Regulation at the heady (DRC).
- Lamps:** Module composed by M or Mz Lumileds Luxeon LED with a total power of 150w, 300w, 450w, 600w, 750w and 900w. Available in 3000K, 4000K and 5000K. CRI>80.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly to wall, mast head frame or indoor catwalk (screws no included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray. Opal diffuser closure. It can be supplied in other RAL colours by request.



Esdium Sport LED M1 - Horizontal

Esdium Sport M1 - 150w - Horizontal - Optics 100° opening.



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
6300 58 15 0 85	Gris / Gray	16560	M1 (1)	150w	684,90

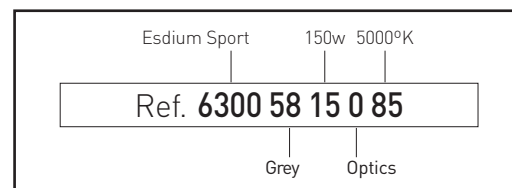
\* Standardly supplied optics 100° opening.

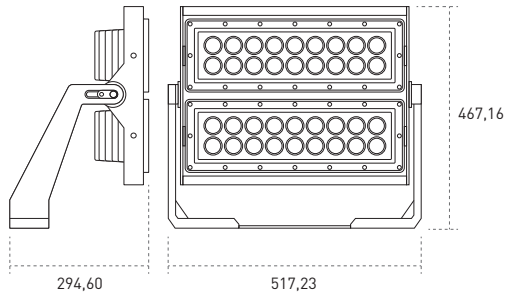
OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	150w	15300	16290	16560

Rough price increase of optics		150w
Ref. 1	Extensive symmetric optics 41°	79,38
Ref. 2	Medium symmetric optics 32°	79,38
Ref. 3	Intensive symmetric optics 21°	79,38
Ref. 4	Asymmetric optic 2 sides 90° and frontal 50°	94,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	94,50

Rough price increase of accessories		150w
Ref. DR	Dimmable driver 1 - 10v	135,00
Ref. DRD	Dimmable driver Dali	139,00
Ref. DRP	Programmable driver	165,00
Ref. LTV	TV broadcasting LED (5700°K CRI>90)	42,90

Example to compose a reference with options



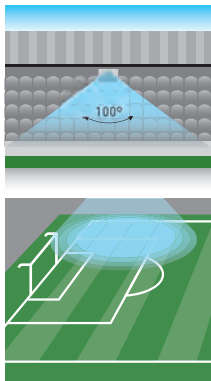


**Esdium Sport LED M2 - Horizontal**



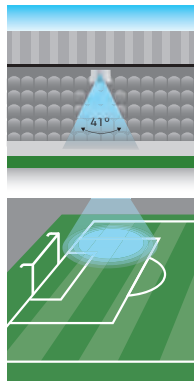
Ref. 0

Without secondary optics 100°.



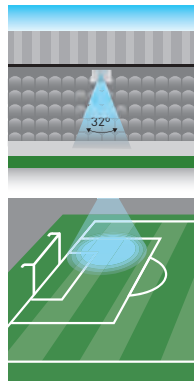
Ref. 1

Extensive symmetric optics 41°.



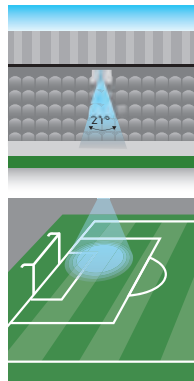
Ref. 2

Medium symmetric optics 32°.



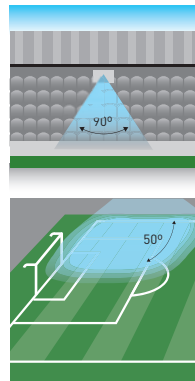
Ref. 3

Intensive symmetric optics 21°.



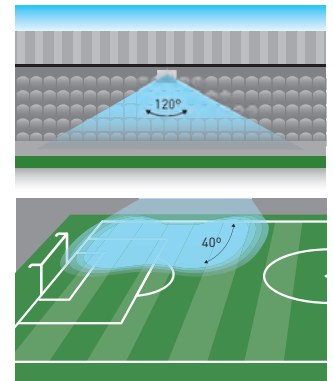
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



**Esdium Sport M2 - 300w - Horizontal - Optics 100° opening.**



Incluye driver y lámparas LEDs / Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
6300 58 30 0 85	Gray	33120	M2 [2]	300w	1197,10

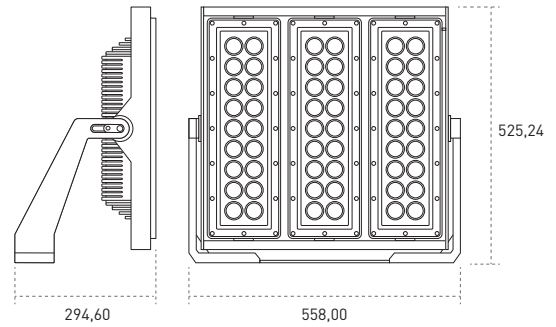
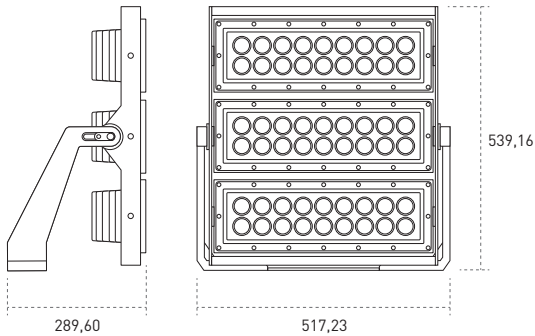
\* Standardly supplied with 5000°K LED lamp.  
 \* Standardly supplied optics 100° opening.

OPTIONS LED		Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	300w	30600	32580	33120

Rough price increase of optics		300w
Ref. 1	Extensive symmetric optics 41°	158,76
Ref. 2	Medium symmetric optics 32°	158,76
Ref. 3	Intensive symmetric optics 21°	158,76
Ref. 4	Frontal asymmetric optics 50°	189,90
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	189,90

Rough price increase of accessories		300w
Ref. DR	Dimmable driver 1 - 10v	270,00
Ref. DRD	Dimmable driver Dali	278,00
Ref. DRP	Programmable driver	330,00
Ref. LTV	TV broadcasting LED (5700°K CRI>90)	85,80





**Esdium Sport LED M3 - Horizontal**



**Esdium Sport LED M3 - Vertical**

**Esdium Sport M3 - 450w - Horizontal - Optics 100° opening.**

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP £
6300 58 45 0 85	Gray	49680	M3 [3]	450w	1888,38

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

OPCIONES / OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	450w	45900	48870	49680

Rough price increase of accessories		450w
Ref. DR	Dimmable driver 1 - 10v	405,00
Ref. DRD	Dimmable driver Dali	417,00
Ref. DRP	Programmable driver	495,00
Ref. LTV	TV broadcasting LED [5700°K CRI>90]	128,70

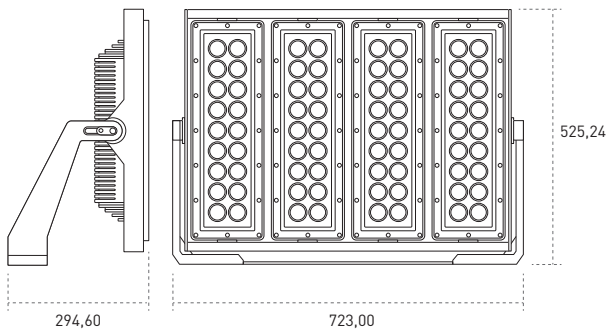
**Esdium Sport M3 - 450w - Vertical - Optics 100° opening.**

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP £
6301 58 45 0 85	Gray	49680	M3 [3]	450w	1888,38

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

Rough price increase of optics		450w
Ref. 1	Extensive symmetric optics 41°	238,14
Ref. 2	Medium symmetric optics 32°	238,14
Ref. 3	Intensive symmetric optics 21°	238,14
Ref. 4	Frontal asymmetric optics 50°	283,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	283,50

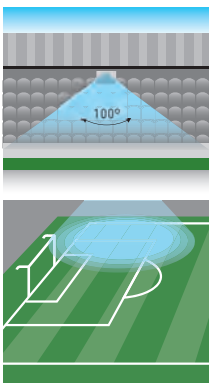


**Esdium Sport LED M4 - Vertical**



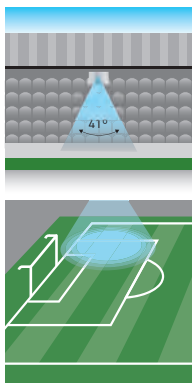
**Ref. 0**

Sin óptica secundaria 100°. Without secondary optics 100°.



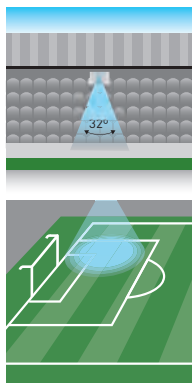
**Ref. 1**

Óptica simétrica extensiva 41°. Extensive symmetric optics 41°.



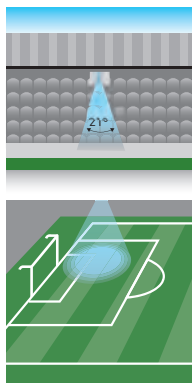
**Ref. 2**

Óptica simétrica media 32°. Medium symmetric optics 32°.



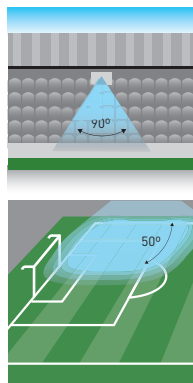
**Ref. 3**

Óptica simétrica intensiva 21°. Intensive symmetric optics 21°.



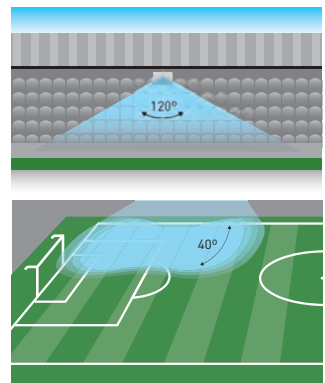
**Ref. 4**

Óptica asimétrica 2 lados 90° y frontal 50°. Asymmetric optics 2 sides 90° and frontal 50°.



**Ref. 5**

Óptica asimétrica 2 lados 120° log. y 40° transversal a 25°. Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



**Esdium Sport M4 - 600w - Vertical - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
6301 58 60 0 85	Gray	66240	M4 (4)	600w	2560,44

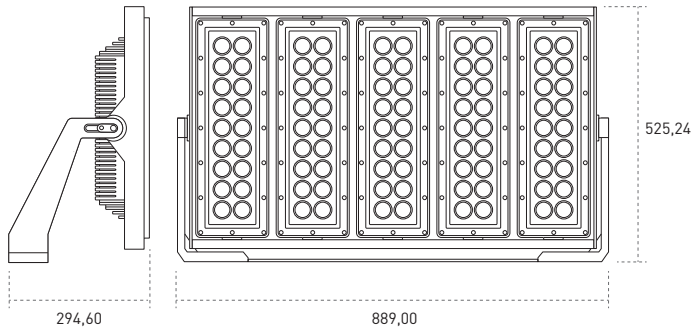
\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens / Lumileds	600w	61200	65160

Rough price increase of optics		600w
Ref. 1	Extensive symmetric optics 41°	317,52
Ref. 2	Medium symmetric optics 32°	317,52
Ref. 3	Intensive symmetric optics 21°	317,52
Ref. 4	Frontal asymmetric optics 50°	378,00
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	378,00

Rough price increase of accessories		600w
Ref. DR	Dimmable driver 1 - 10v	540,00
Ref. DRD	Dimmable driver Dali	556,00
Ref. DRP	Programmable driver	660,00
Ref. LTV	TV broadcasting LED (5700°K CRI>90)	171,60





**Esdium Sport LED M5 - Vertical**

**Esdium Sport M5 - 750w - Vertical - Optics 100° opening.**



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
6301 58 75 0 85	Gray	82800	M5 (5)	750w	2996,70

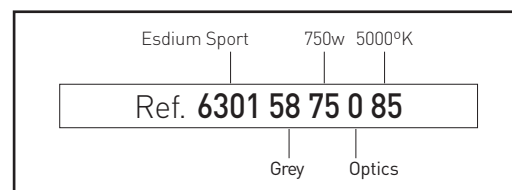
\* Standardly supplied with 5000°K LED lamp.  
 \* Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens / Lumileds	750w	76500	81450	82800

Rough price increase of optics		750w
Ref. 1	Extensive symmetric optics 41°	396,90
Ref. 2	Medium symmetric optics 32°	396,90
Ref. 3	Intensive symmetric optics 21°	396,90
Ref. 4	Frontal asymmetric optics 50°	472,50
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	472,50

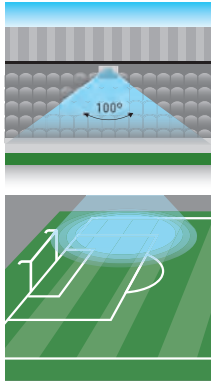
Rough price increase of accesories		750w
Ref. DR	Dimmable driver 1 - 10v	675,00
Ref. DRD	Dimmable driver Dali	695,00
Ref. DRP	Programmable driver	825,00
Ref. LTV	TV broadcasting LED (5700°K CRI>90)	214,50

**Example to compose a reference with options**



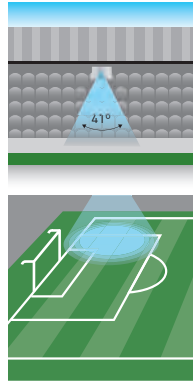
Ref. 0

Without secondary optics 100°.



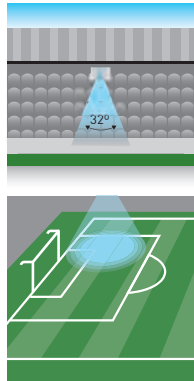
Ref. 1

Extensive symmetric optics 41°.



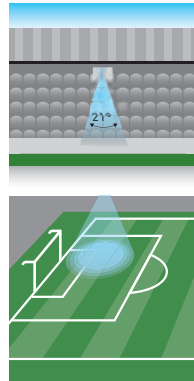
Ref. 2

Medium symmetric optics 32°.



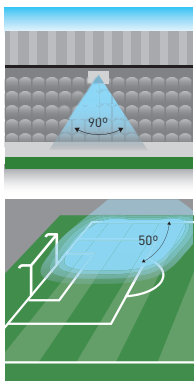
Ref. 3

Intensive symmetric optics 21°.



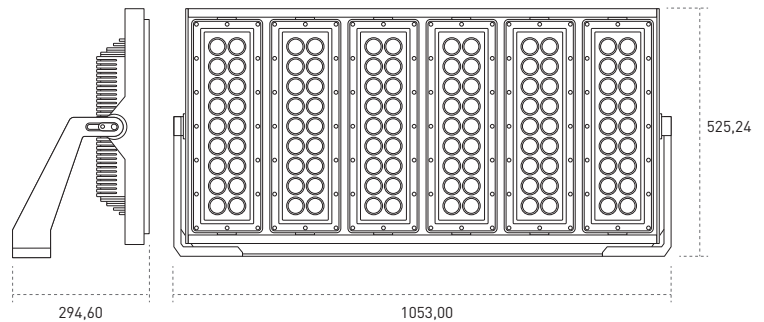
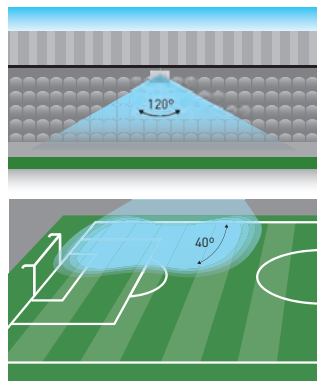
Ref. 4

Asymmetric optics 2 sides 90° and frontal 50°.



Ref. 5

Asymmetric optic 2 sides 120° lengthwise and 40° transversal.



Esdium Sport LED M6 - Vertical

**Esdium Sport M6 - 900w - Vertical - Optics 100° opening.**



Incluye driver y lámparas LEDs / Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
6301 58 90 0 85	Gray	99360	M6 (6)	900w	3850,10

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied optics 100° opening.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature	3000°K	4000°K	5000°K
Lumens / Lumileds	900w	91800	97740

Rough price increase of optics		900w
Ref. 1	Extensive symmetric optics 41°	476,28
Ref. 2	Medium symmetric optics 32°	476,28
Ref. 3	Intensive symmetric optics 21°	476,28
Ref. 4	Frontal asymmetric optics 50°	567,00
Ref. 5	Asymmetric optic 2 sides 120° Lengthwise and 40° transversal	567,00

Rough price increase of accessories		900w
Ref. DR	Dimmable driver 1 - 10v	810,00
Ref. DRD	Dimmable driver Dali	834,00
Ref. DRP	Programmable driver	990,00
Ref. LTV	TV broadcasting LED (5700°K CRI>90)	257,40



A close-up photograph of a dark grey LED strip light. The light is shown at an angle, revealing four individual LED chips mounted on a dark substrate. The chips are arranged in a row and are illuminated, casting a soft glow. The background is a plain, light-colored surface.

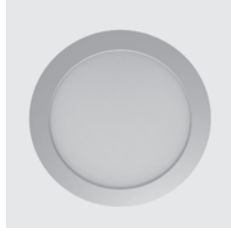
# RGBW LIGHTING







RGBW



Aircorn Supra RGBW 402



Protek RGBW 404



Esdium RGBW M1 / M2 / M3 406



Larnik RGBW 410



412

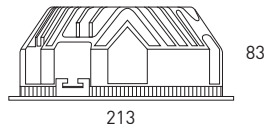
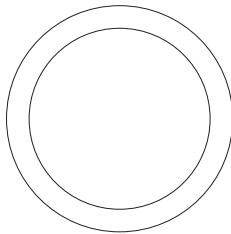


# AIRCOM SUPRA CIRCULAR RGBW

Protection degree IP44



- Material:** Bodies mad of aluminium with thermo paint coating.
- Optics:** Innovative PMMA optic which provides uniform illumination over the whole surface with a minimum thickness of the luminaire.
- Supply:** All models include high power factor drivers.
- Lamps:** Modules composed of LEDs RGBW with a total power of 60w.
- Estimated life:** Estimated life span 50.000 hours.
- Installation:** For recessed ceiling, adaptable to all kind of modular ceilings and plaster.
- Colours:** White, black, gold, matt gold, chrome, matt chrome, matt nickel, nickel, titanium and satin .



## Aircom Supra RGBW to controlled Ref. 4500



Includes driver and LED lamp

Ref.	Colour	Lamp.	W	TP £
4228 01 60 85 4500	White	LED RGBW	60w	466,80
4228 02 60 85 4500	Black	LED RGBW	60w	472,28
4228 03 60 85 4500	Gold	LED RGBW	60w	499,80
4228 05 60 85 4500	Chrome	LED RGBW	60w	479,20
4228 33 60 85 4500	Matt Gold	LED RGBW	60w	472,28
4228 52 60 85 4500	Matt Chrome	LED RGBW	60w	472,28
4228 55 60 85 4500	Nickel	LED RGBW	60w	472,28
4228 57 60 85 4500	Nickel matt	LED RGBW	60w	472,28
4228 80 60 85 4500	Satin	LED RGBW	60w	499,80
4228 90 60 85 4500	Titanium	LED RGBW	60w	472,28

\* Control not included.

## Aircom Supra RGBW to controlled Ref. 4501



Includes driver and LED lamp

Ref.	Colour	Lamp.	W	TP £
4228 01 60 85 4501	White	LED RGBW	60w	479,40
4228 02 60 85 4501	Black	LED RGBW	60w	484,60
4228 03 60 85 4501	Gold	LED RGBW	60w	511,60
4228 05 60 85 4501	Chrome	LED RGBW	60w	484,88
4228 33 60 85 4501	Matt Gold	LED RGBW	60w	484,60
4228 52 60 85 4501	Matt Chrome	LED RGBW	60w	484,60
4228 55 60 85 4501	Nickel	LED RGBW	60w	484,60
4228 57 60 85 4501	Nickel matt	LED RGBW	60w	484,60
4228 80 60 85 4501	Satin	LED RGBW	60w	511,60
4228 90 60 85 4501	Titanium	LED RGBW	60w	484,60

\* Control not included.

Aircon Supra RGBW to controlled Ref. 4502



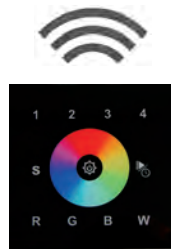
Includes driver and LED lamp

Ref.	Colour	Lamp.	W	TP €
4228 01 60 85 4502	White	LED RGBW	60w	479,52
4228 02 60 85 4502	Black	LED RGBW	60w	484,72
4228 03 60 85 4502	Gold	LED RGBW	60w	511,72
4228 05 60 85 4502	Chrome	LED RGBW	60w	485,00
4228 33 60 85 4502	Matt Gold	LED RGBW	60w	484,72
4228 52 60 85 4502	Matt Chrome	LED RGBW	60w	484,72
4228 55 60 85 4502	Nickel	LED RGBW	60w	484,72
4228 57 60 85 4502	Nickel matt	LED RGBW	60w	484,72
4228 80 60 85 4502	Satin	LED RGBW	60w	511,72
4228 90 60 85 4502	Titanium	LED RGBW	60w	484,72

\* Control not included.



Ref. 4500  
RGBW Controller, Wall recessed by DMX.



Ref. 4501  
RGBW Controller, Wall recessed by radio frequency.



Ref. 4502  
RGBW controller portable wireless by Radio Frequency.

RGB LED Downlight for outdoor or indoor facilities, the elegant design allows their adaptability to any environment. Thanks to its high brightness, obtained from LEDs red, green, blue and white colours, this luminaire can be used to decorative lighting in many places. The colour control can be done by several methods:

- Recessed DMX touch screen control powered by a 12V driver, supplied with 230V, the projector is controlled by a wire with DMX signal.
- Recessed radiofrequency touch screen control powered by a 12V driver supplied with 230V, the projector is controlled by wireless.
- Remote radiofrequency touch screen control supplied by 3 batteries, the projector is controlled by wireless.

The equipment required for the signal reception control will be supplied in a waterproof case, external to the projector.



Rough price increase of accessories	TP €
Ref. 4500 RGBW Controller, Wall recessed by DMX	335,52
Ref. 4501 RGBW Controller, Wall recessed by Radio Frequency	280,90
Ref. 4502 RGBW controller portable wireless by Radio Frequency	330,00
Ref. IP65 Índice de protección IP65 / Protection degree IP65	15,20

# PROTEK RGBW

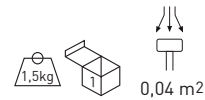
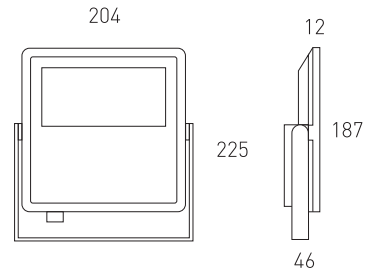
Protection degree IP65. Impact protection IK08



RGB LED projector for outdoor or indoor facilities, the elegant design allows their adaptability to any environment. Thanks to its high brightness, obtained from 6 LEDs red, green, blue and white colours, this projector can be used to change the colour of facades, artworks and decorative lighting in many places. The colour control can be done by several methods:

- Recessed DMX touch screen control powered by a 12V driver, supplied with 230V, the projector is controlled by a wire with DMX signal.
- Recessed radiofrequency touch screen control powered by a 12V driver supplied with 230V, the projector is controlled by wireless.
- Remote radiofrequency touch screen control supplied by 3 batteries, the projector is controlled by wireless.
- Recessed WIFI touch screen control powered by a 12V driver supplied with 230V, the projector is controlled by wireless. This option can be controlled by a mobile application with iOS/Android, free download

The equipment required for the signal reception control will be supplied in a waterproof case, external to the projector.



Protek LED RGBW to controlled ref. 4500



Includes protection polymer, driver, Leds lamps and receptor

Ref.	Colour	Lamp.	W	TP £
4126 01 50 85 4500	White	LED RGBW	50w	498,60
4126 02 50 85 4500	Black	LED RGBW	50w	499,90
4126 58 50 85 4500	Gray	LED RGBW	50w	499,90

\* Control not included.

Protek LED RGBW to controlled ref. 4502



Includes protection polymer, driver, Leds lamps and receptor

Ref.	Colour	Lamp.	W	TP £
4126 01 50 85 4502	White	LED RGBW	50w	546,87
4126 02 50 85 4502	Black	LED RGBW	50w	547,90
4126 58 50 85 4502	Gray	LED RGBW	50w	547,90

\* Control not included.

Protek LED RGBW to controlled ref. 4501



Includes protection polymer, driver, Leds lamps and receptor

Ref.	Colour	Lamp.	W	TP £
4126 01 50 85 4501	White	LED RGBW	50w	568,75
4126 02 50 85 4501	Black	LED RGBW	50w	569,90
4126 58 50 85 4501	Gray	LED RGBW	50w	569,90

\* Control not included.

Protek LED RGBW to controlled ref. 4503



Includes protection polymer, driver, Leds lamps and receptor

Ref.	Colour	Lamp.	W	TP £
4126 01 50 85 4503	White	LED RGBW	50w	682,60
4126 02 50 85 4503	Black	LED RGBW	50w	683,70
4126 58 50 85 4503	Gray	LED RGBW	50w	683,70

\* Control not included.



Ref. 4500  
Mando de control RGBW empotrable de pared por DMX.  
RGBW Controller, Wall recessed by DMX.



Ref. 4502  
Mando para control RGBW portátil inalámbrico por radiofrecuencia.  
RGBW controller portable wireless by Radio Frequency.

Incremento respecto al driver / Rough price increase of accesories		€
Ref. 4500	Mando de control RGBW empotrable de pared por DMX RGBW Controller, Wall recessed by DMX	335,52
Ref. 4501	Mando de control RGBW empotrable de pared por radiofrecuencia RGBW Controller, Wall recessed by Radio Frequency	280,90
Ref. 4502	Mando para control RGBW portátil inalámbrico por radiofrecuencia RGBW controller portable wireless by Radio Frequency	330,00
Ref. 4503	Mando de control RGBW empotrable de pared por WIFI Versión controlable por aplicación para móvil iOS/Android (Descarga gratuita) RGBW controller Wall recessed by WIFI Version control by mobile application iOS/Android (Free Download)	595,90
Ref. DM8	Detector de movimiento integ. en luminaria Motion detector Integrated in the luminaire	30,00



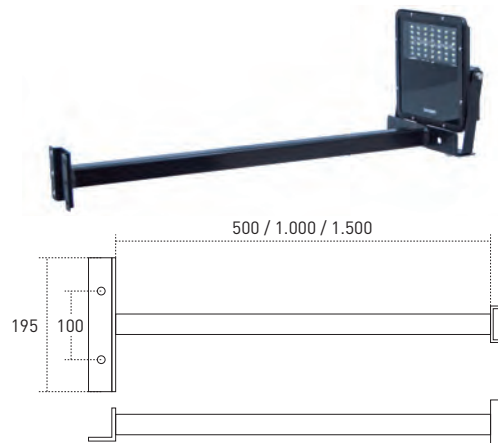
### Protek Arm

Wall arm sujetcion

#### Protek Arm

Ref.	Colour	Measure	TP €
35 01 01	White	500 mm.	79,40
35 01 02	Black	500 mm.	79,40
35 01 58	Gray	500 mm.	79,40
35 02 01	White	1.000 mm.	84,20
35 02 02	Black	1.000 mm.	84,20
35 02 58	Gray	1.000 mm.	84,20
35 03 01	White	1.500 mm.	89,80
35 03 02	Black	1.500 mm.	89,80
35 03 58	Gray	1.500 mm.	89,80

Rough price increase of accesories		TP €
Ref. AM	Special marine environment paint	40,00



# ESDIUM RGBW

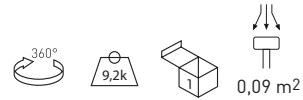
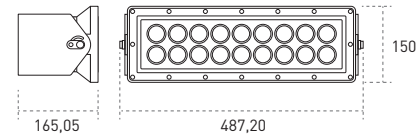
Protection degree IP66. Impact protection IK08



- Material:** Module and bracket made of thermo painted injected aluminum.
- Optics:** LED module include RGBW optics. Includes waterproof methacrylate (PMMA) with UV protection.
- Supply:** Driver with IP67 included for all models. Optionally supplied with RGBW Controlle, wall recessed by DMX.
- Lamps:** Module composed by Oslon SSL LED with a total power of 95w, 190w and 285w. Available in 3000°K, 4000°K and 5000°K. CRI>80.
- Life span:** Estimated Average Life span 50.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly to wall or street furniture not (screws no included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 40°C.
- Colours:** Luminaire in gray. Opal diffuser closure.  
It can be supplied in other RAL colours by request.



Drivers box



Esdium RGBW LED M1

## Esdium RGBW M1 - 95w



Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP £
<b>7300 58 95 0 85 RGBW</b>	Gray	6136	M1 (1)	95w	<b>1386,45</b>

\* Standardly supplied with 5000°K LED lamp.  
\* Standardly supplied with 80° optics.

OPTIONS LED	Ref. 83	Ref. 84	Ref. 85	
CRI>80 / Colour temperature	W	3000°K	4000°K	5000°K
Lumens	95w	6136	6136	6136

Rough price increase of optics		95w
Ref. 8	Symmetric optics 48°	<b>178,80</b>
Ref. 9	Symmetric optics 11°	<b>192,90</b>

Rough price increase of accessories		95w
Ref. 4500	RGBW Controlle, wall recessed by DMX	<b>335,52</b>

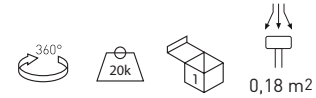
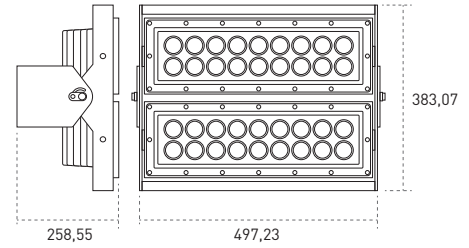








Caja drivers / Drivers box



Esdium RGBW LED M2

**Esdium RGBW M2 - 190w**

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
7300 58 19 0 85 RGBW	Gris / Gray	12272	M2 [2]	190w	2679,90

\* Standardly supplied with 5000°K LED lamp.  
 \* Standardly supplied with 80° optics.



**OPTIONS LED**

	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5000°K
Lumens	190w	12272	12272	12272

**Rough price increase of optics**

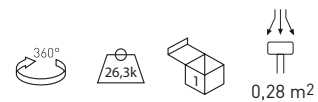
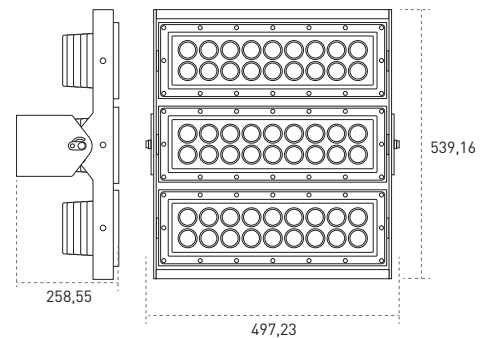
				190w
Ref. 8	Symmetric optics 48°			372,90
Ref. 9	Symmetric optics 11°			398,60

**Rough price increase of accessories**

				190w
Ref. 4500	RGBW Controlle, wall recessed by DMX			335,52



Drivers box



Esdium RGBW LED M3

**Esdium RGBW M3 - 285w**

Includes driver and LEDs lamp

Ref.	Colour	Lumens	Module	W	TP €
7300 58 28 0 85 RGBW	Gris / Gray	18408	M3 [3]	285w	3972,80

\* Standardly supplied with 5000°K LED lamp.  
 \* Standardly supplied with 80° optics.



**OPTIONS LED**

	W	Ref. 83	Ref. 84	Ref. 85
CRI>80 / Colour temperature		3000°K	4000°K	5000°K
Lumens	285w	18408	18408	18408

**Rough price increase of optics**

				285w
Ref. 8	Symmetric optics 48°			562,90
Ref. 9	Symmetric optics 11°			594,60

**Rough price increase of accessories**

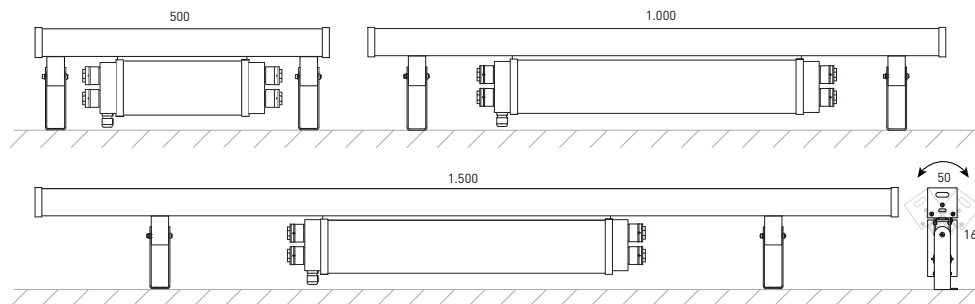
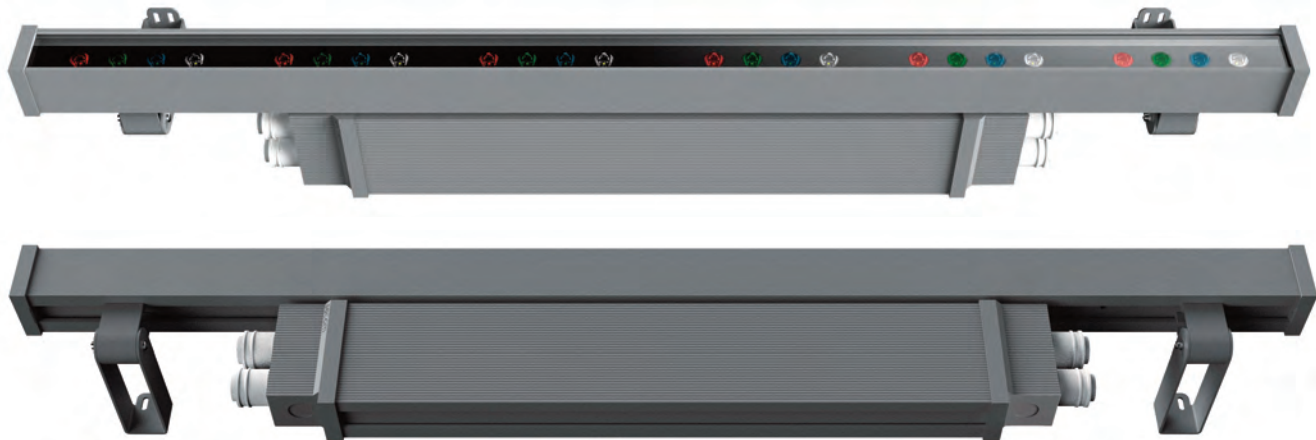
				285w
Ref. 4500	RGBW Controlle, wall recessed by DMX			335,52

# LARNIK RGBW SURFACE

Protection degree IP67. Impact protection IK08/10



- Material:** Body made of thermo painted extruded aluminum.
- Optics:** LED modules include 7°, 14°, 29° and 46° optics. Includes waterproof methacrylate (PMMA) with UV protection and silicone injection.
- Supply:** Watertight driver included for all models. Optionally supplied with Dali dimmable driver (Ref.- DRD).
- Lamps:** Module composed by Oslon SSL LED with a total power of 25w, 50w, 80w. Available in 3000K, 4000K and 5000K. CRI>80.
- Life span:** Estimated Average Life span 60.000 hours.
- Protections:** The pcb incorporates safety diodes to protect and to guarantee his perfect functioning.
- Installation:** Directly to wall or street furniture not (screw not included). Includes quick connector of 3 or 5 poles IP65.
- Ambient temp.:** -20°C to 45°C.
- Colours:** Luminaire in gray. Opal diffuser closure. It can be supplied in other RAL colours by request.



## Larnik Outdoor LED surface RGBW for DMX

Includes driver and LEDs lamp

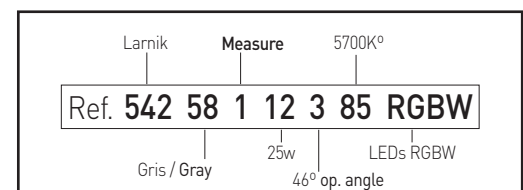
Ref.	Colour	Lumens	Measure	W	TP €
542 58 1 25 3 85 RGBW	Gray	1678	500x50	25w	652,61
542 58 2 50 3 85 RGBW	Gray	3356	1.000x50	50w	871,16
542 58 3 80 3 85 RGBW	Gray	5034	1.500x50	80w	1072,62

\* Standardly supplied with 5700°K LED lamp.

\* Standardly supplied with 46° optics.

\* Control not included.

Example to compose a reference with options





**OPTIONS**

	25w	50w	80w
Ref. 0 Symmetric optics 7°	8,12	12,60	15,20
Ref. 1 Symmetric optics 14°	8,14	12,62	15,22
Ref. 2 Symmetric optics 29°	8,16	12,64	15,24
Ref. 4500 RGBW Controlle, wall recessed by DMX	335,52	335,52	335,52

**OPTIONS**

	TP €
Ref. CL01 Connection cable with DMX power and communication 1.5 m.	44,50
Ref. CL15 Connection cable with DMX power and communication 15 m.	198,70
Ref. P1 Larnik glare shield / 500 mm.	20,65
Ref. P2 Larnik glare shield / 1.000 mm.	40,80
Ref. P3 Larnik glare shield / 1.500 mm.	60,90

Connection



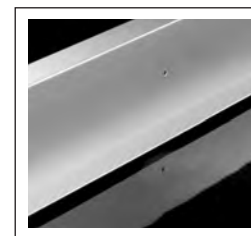
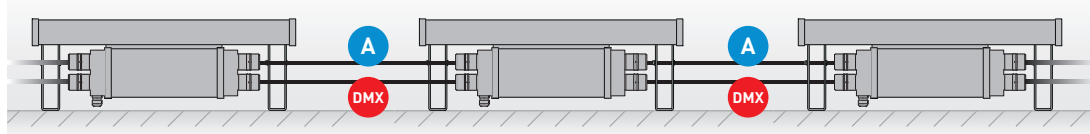
CL01 / CL15



**A** Power connection

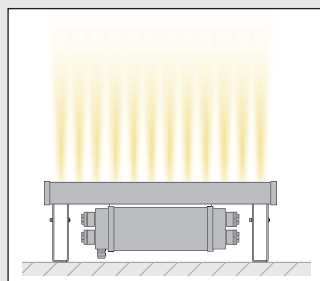


**DMX** DMX connection

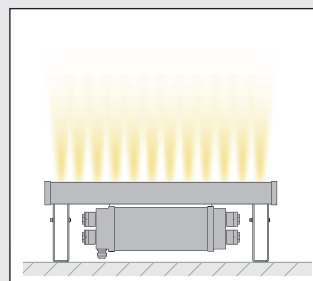


P1 / P2 / P3

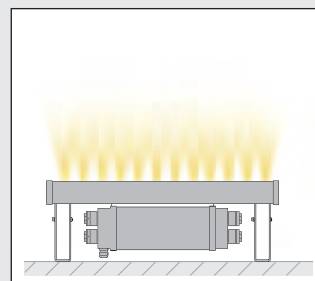
Ref. 0 - Óptica simétrica 7°



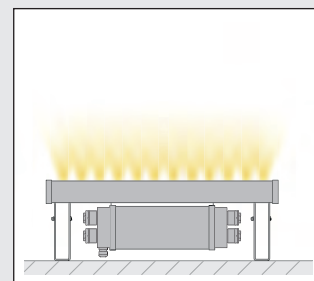
Ref. 1 - Óptica simétrica 14°



Ref. 2 - Óptica simétrica 29°



Ref. 3 - Óptica simétrica 46°



# DMX CONTROL SYSTEM



DMX CONTROL SYSTEMS is an electronic protocol for control and regulation of lighting, allowing communication between control equipment and own sources of light.

#### CHARACTERISTICS:

Control and management of DMX luminaires, through graphic interface from the PC.

100% compatible with any luminaire with DMX protocol.

It is composed of programming, with the possibility of creating programs to measure by the user in a simple and fast way, unlocked programming.

Customized programming option and custom made from factory.

Two versions available, real-time control from a PC, or in stand-alone mode.

Varied event triggering options, time and calendar alarms.



# DMX CONTROL SYSTEM



Ref. 4510 INTERFACE



Ref. 4511 INTERFACE (Stand Alone)



Ref. 4520 SPLITTER

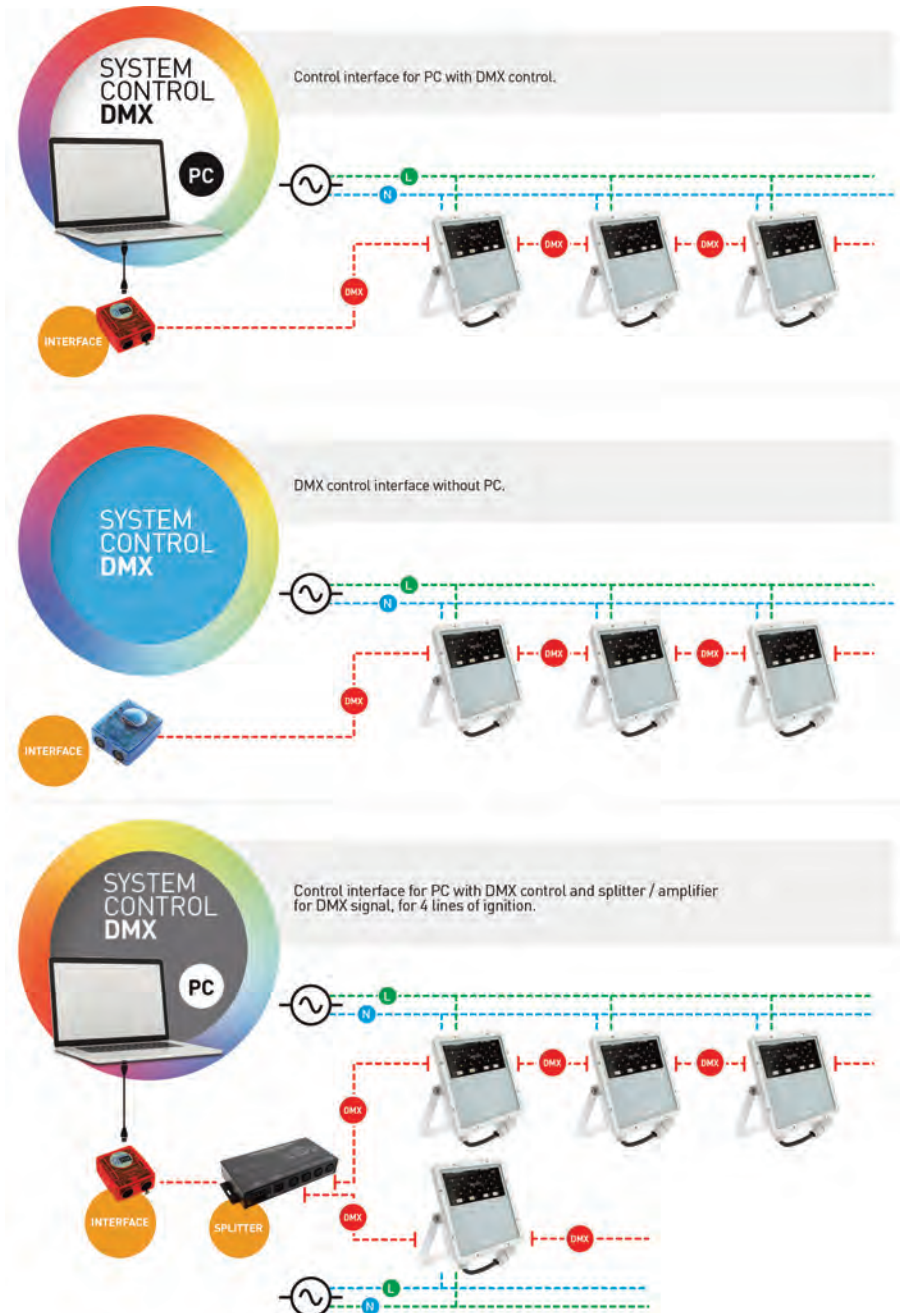


The DMX wiring to be used is a shielded two-wire, low-impedance shielded wire with about 110 ohms of resistance. It is important to use dmxcable to avoid interference with the signal.

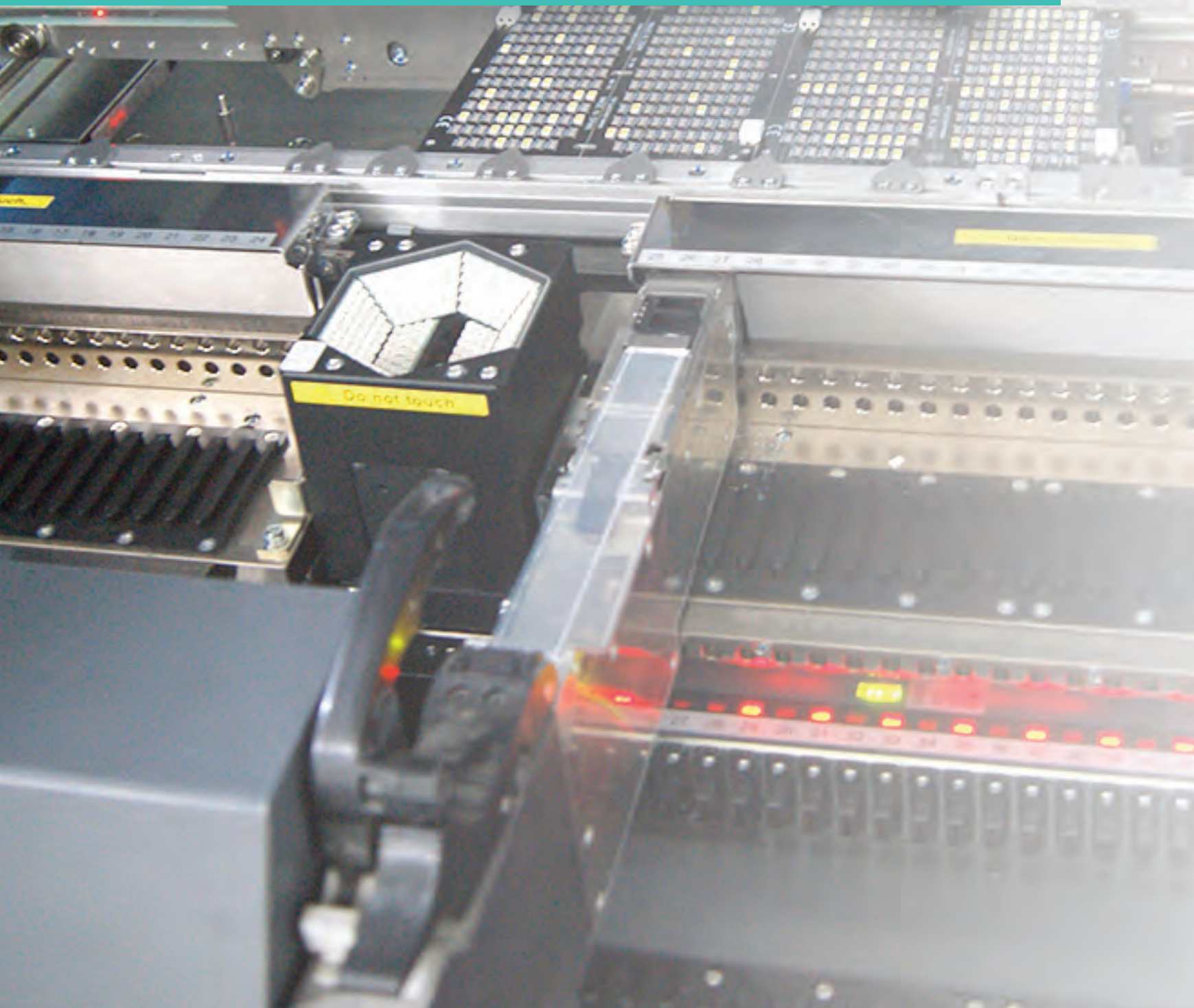
## DMX CONTROL SYSTEM

TP €

Ref. 4510	Interface PC/DMX	1197,50
Ref. 4511	Interface PC/DMX Stand Alone	1639,20
Ref. 4520	Splitter divisor and amplifier for signal DMX, 4 lines of ignition	330,10
Ref. 4530	Programming and commissioning	Consult
Ref. CL01	DMX power Connection cable and communication 1,5 m.	44,50
Ref. CL15	DMX power Connection cable and communication 15 m..	198,70



# ACCESSORIES LIGHTING





Automatic lighting systems

LED Lamps and modules

Lighting LED Lamps

Sheets PBC LED

Conventional lamps

Electronics ballasts

Drivers / Drivers

Support for recessed

Other accessories



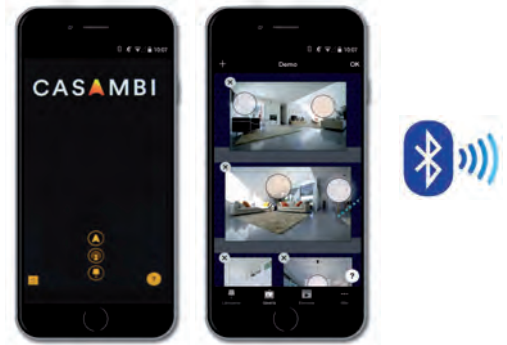


# LCS LIGHT CONTROL SOLUTION

## Bluetooth 4.0

Smart lighting control device with Bluetooth 4.0 via smartphone or tablet.

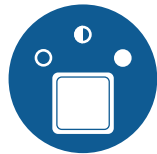
With LCS device you can control your lights for different types of lighting. Regulate light intensity, adjust color (RGB), set it through a simple and intuitive application. Enjoy a new experience generating different types of environments and achieving greater savings through your smartphone or tablet.



Casambi is an application of wireless control for LED lighting. Free download app, available for Android and Apple.



**Visual and intuitive application.**  
Control your lights through your smartphone or tablet.



**Everyday practical use.**  
You can still using your conventional switches.



**New experience.**  
Custom configuration.



**Easy to install.**  
No need new wiring and switches.



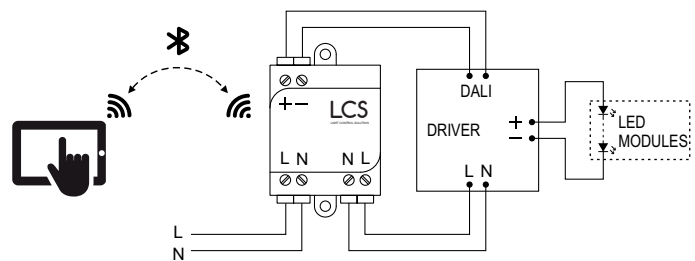
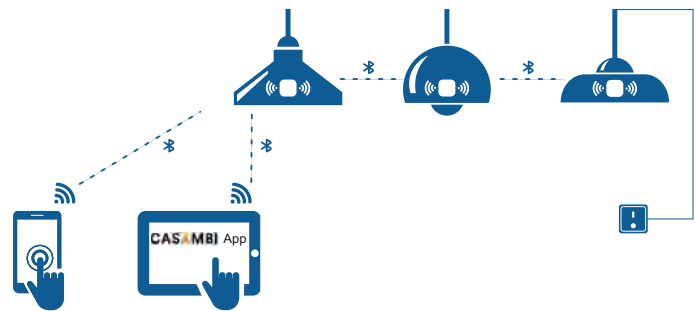
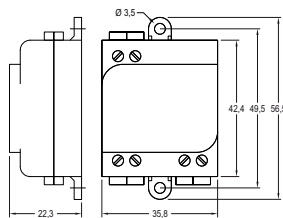
**Security**  
Password protected so nobody can access to the fixtures.



**LCS** Light Control Solution  
Bluetooth 4.0

- Dispositivo:** Wireless Controller for LED lighting with Dali control. (The lamp has to be equipped with dimmable driver DALI).  
Luminaires equipped with LCS technology, allow control multiple luminaires and create or change between scenes. This technology allows a conventional wall switch without the Casambi app if necessary.
- Instalación:** Each LCS works as a Bluetooth repeater. You can place a single LCS device for luminaire if you want an individual control, while allowing to bunch in zones or place an LCS device to control up to 10 fixtures by connecting wires for DRD (Ref. 3420).  
Input voltage: 220-240V.  
Maximum power: 100W per luminaire with an LCS device and up to 500w with LCS device and 9 connecting wires (3420 Ref.).
- Alcance:** Indoor: maximum 30 m.  
Outdoor: maximum 50 m.

LCS Bluetooth 4.0 device



LCS Light Control Solution  
Bluetooth 4.0 device



Ref.	Description	Power	Dimmable	TP £
LCS	LCS Device / Bluetooth	5-100w	DALI	199,90

\* Available for all SECOM LED luminaires from 5w to 100 w.  
\* Luminaire must be equipped with dimmable driver Dali (DRD).

ACCESSORIES

Rough price increase of accessories				TP £
Ref. 3420	Wire connector for DRD			9,60

\* Connection wires (Ref. 3420) allow perfect synchronization of LED lights (master can control up to nine slaves, each slave can have a maximum power of 50W).

Download your free application and begins to control your lighting.

App **CASAMBI**

Manual usuario  
User manual



## Automatic lighting system

Low consumption lamps



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.

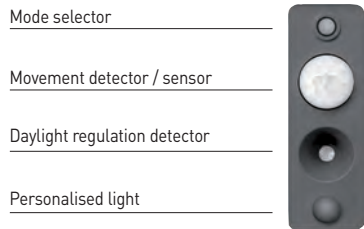
Finally, the lights can be controlled manually only by a wired switch with a single push (Touch and Dim)

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.



### Movement sensor and daylight detector

This sensor with control an regulate up to nine fixtures. For all kinds low consumption and fluo- rescence lamps.

Ref.	Pres. detector	Flux	Programmable.	Nº Lumin.	TP £
SE1	Yes	Yes	Yes	1 a 9	102,79

### Controller

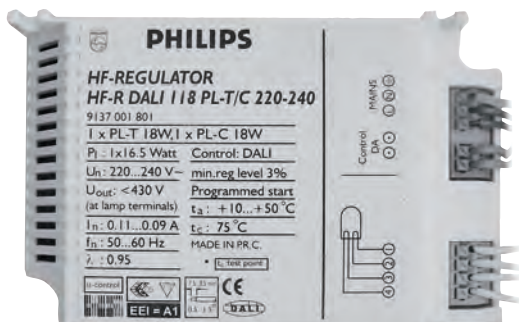
This controller regulate up to nine fixtures. For low consumption tipe PL-C/T/R. Regulation by protocol DALI.

Ref.	Pres. detector	Flux	Programmable.	Nº Lumin.	TP £
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.	Pres. detector	Flux	Programmable.	Nº Lumin.	TP £
BD 118	Si / Yes	Si / Yes	Si / Yes	1x18w	92,49
BD 126	Si / Yes	Si / Yes	Si / Yes	1x26w	92,50
BD 132	Si / Yes	Si / Yes	Si / Yes	1x32w	92,51
BD 142	Si / Yes	Si / Yes	Si / Yes	1x42w	92,52
BD 218	Si / Yes	Si / Yes	Si / Yes	2x18w	102,62
BD 226	Si / Yes	Si / Yes	Si / Yes	2x26w	102,63
BD 232	Si / Yes	Si / Yes	Si / Yes	2x32w	102,64
BD 242	Si / Yes	Si / Yes	Si / Yes	2x42w	102,65



## LED Lamps and modules



### LED dichroic lamp 5w

Ref.	Type / Colour	∅	Port./L/H	V	W	Lum.	TP €
<b>BDL 05C</b>	White warm	50mm	GU5.3	12v	5w	180	<b>19,50</b>
<b>BDL 05F</b>	White cold	50mm	GU5.3	12v	5w	240	<b>19,50</b>

\* Requires driver 350mA.

### Kit driver and LED dichroic lamp 5w

Ref.	Type / Colour	∅	Port./L/H	V	W	Lum.	TP €
<b>3292 83</b>	White warm	50mm	GU5.3	12v	5w	180	<b>29,75</b>
<b>3292 84</b>	White cold	50mm	GU5.3	12v	5w	240	<b>29,75</b>



### Lamp ∅ 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 MR16 RGB

Ref.	Type	∅	Colour	Lifespan	Port./L/H	Voltaje	W	TP €
<b>3081</b>	LED	50mm	RGB	30000hrs	GU5.3	12V AC/DC	3w	<b>15,20</b>

### Kit driver and LED lamp MR16 RGB

Ref.	Type	∅	Colour	Lifespan	Port./L/H	Voltaje	W	TP €
<b>3293</b>	LED	50mm	RGB	30000hrs	GU5.3	12V AC/DC	3w	<b>19,90</b>

### Controller for MR16 LED RGB lamp

Ref. <b>3080</b>	<b>5,10</b>
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\* It can control an unlimited number of lamps within a distance of 2 metres and an angle of 120°.



### LED lamp 7w with LED CREE

Ref.	Type / Colour	∅	Bevel	Port./L/H	V	W	Lum.	TP €
<b>3374</b>	LED 3000°K	50mm	35°	GU5.3	12v	7w	400	<b>29,90</b>

### Kit driver and LED lamp 7w with LED CREE

Ref.	Type / Colour	∅	Bevel	Port./L/H	V	W	Lum.	TP €
<b>3375</b>	LED 3000°K	50mm	35°	GU5.3	12v	7w	400	<b>38,90</b>



### LED dichroic lamp 5w

Ref.	Type / Colour	∅	Port./L/H	V	W	Lum.	TP €
<b>3170 83</b>	White warm	50mm	GU-10	220v	5w	180	<b>19,60</b>
<b>3170 85</b>	White cold	50mm	GU-10	220v	5w	240	<b>19,60</b>



### LED lamp dimmable 7w with LED CREE

Ref.	Type / Colour	∅	Ang.	Port./L/H	V	W	Lum.	TP €
<b>3376</b>	LED 3000°K	50mm	35°	GU-10	220v	7w	400	<b>30,33</b>





**LED lamp Philips Lumiled**

Ref.	Type Colour	°K	W	Lum.	TP €
3061 23 83	White warm	3000 K°	23,1w	-	49,90
3061 23 84	White medium	4000 K°	23,1w	-	49,60
3061 23 85	White cold	5000 K°	23,1w	-	49,50
3061 31 83	White warm	3000 K°	31w	-	168,20
3061 31 84	White medium	4000 K°	31w	-	167,80
3061 31 85	White cold	5000 K°	31w	-	167,60

\* Requires heatsink and electric feeder. Ask.



**LED lamp-111 11W**

Ref.	Type Colour	∅	Port./L/H	V	W	Lum.	TP €
4161 83	White warm	111mm	-	12v	11w	650	64,80
4161 84	White medium	111mm	-	12v	11w	850	64,80

**Kit driver 12v and LED lamp11W**

Ref.	Type Colour	∅	V	W	Lum.	TP €
4162 83	White warm	111mm	12V	11w	720	70,90
4162 84	White medium	111mm	12V	11w	960	70,90



**LED lamp E-27 5,5w**

Ref.	Type Colour	∅	Port./L/H	W	Lum.	TP €
3171 83	White warm	60mm	E-27	5,5w	280	26,50
3171 84	White medium	60mm	E-27	5,5w	360	26,50



LED lamp R50

Ref.	Type	∅	Colour	CRI	Lifespan	Port./ L/H	Voltaje	W	Lum.	TP £
3082	LED	-	4000°K	80	30000hrs	E-14	220-240V AC	4,5w	240	25,90



LED lamp R63

Ref.	Type	∅	Colour	CRI	Lifespan	Port./ L/H	Voltaje	W	Lum.	TP £
3083	LED	-	4000°K	80	30000hrs	E-27	220-240V AC	6w	320	30,60



LED lamp PAR 20

Ref.	Type	Op. angle	Colour	CRI	Lifespan	Port./ L/H	Voltaje	W	Lum.	TP £
3084	LED	38°	4000°K	80	30000hrs	E-27	220-240V AC	6w	320	33,10



LED lamp PAR 30

Ref.	Type	Op. angle	Colour	CRI	Lifespan	Port./ L/H	Voltaje	W	Lum.	TP £
3085	LED	38°	4000°K	80	30000hrs	E-27	220-240V AC	9w	700	44,90



LED lamp PAR 38

Ref.	Type	Op. angle	Colour	CRI	Lifespan	Port./ L/H	Voltaje	W	Lum.	TP £
3086	LED	38°	4000°K	80	30000hrs	E-27	220-240V AC	15w	960	77,60





Kit driver 350mA and LED lamp PL E40

Ref.	Type Colour	Port./ L/H	Sheet	LED	W	Lum.	TP £
3159 30 83	LED White warm 3000°K	E40	210mm	120	34w	3259	185,10
3159 30 84	LED White medium 4000°K	E40	210mm	120	34W	3259	185,10
3159 30 85	LED White cold 5700°K	E40	210mm	120	34W	3259	185,10
3159 36 83	LED White warm 3000°K	E40	210mm	140	39w	3800	208,60
3159 36 84	LED White medium 4000°K	E40	210mm	140	39W	3800	208,60
3159 36 85	LED White cold 5700°K	E40	210mm	140	39W	3800	208,60
3159 42 83	LED White warm 3000°K	E40	210mm	160	45w	4345	235,60
3159 42 84	LED White medium 4000°K	E40	210mm	160	45W	4345	235,60
3159 42 85	LED White cold 5700°K	E40	210mm	160	45W	4345	235,60

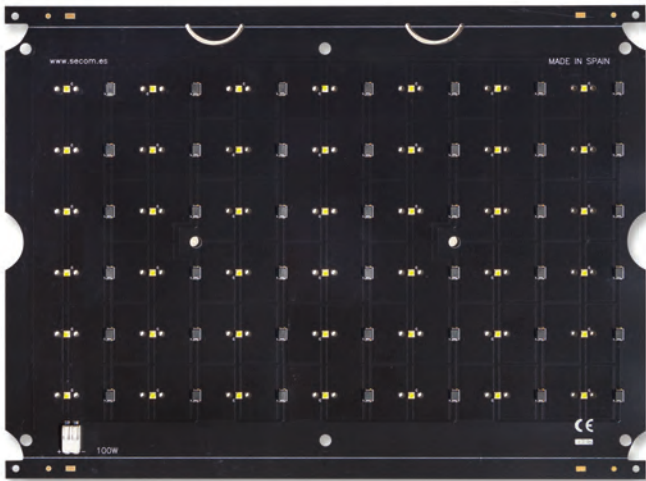
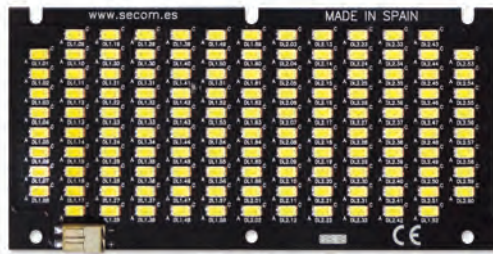


Kit driver 350mA and LED lamp T8

Ref.	Type Colour	Port./ L/H	Sheet	LED	W	Lum.	TP £
3163 09 83	LED White warm 3000°K	T8	600mm	27	9w	1080	46,20
3163 09 84	LED White medium 4000°K	T8	600mm	27	9w	1188	46,20
3163 09 85	LED White cold 5700°K	T8	600mm	27	9w	1190	46,20
3163 15 83	LED White warm 3000°K	T8	1200mm	49	15w	1666	73,50
3163 15 84	LED White medium 4000°K	T8	1200mm	49	15w	1791	73,50
3163 15 85	LED White cold 5700°K	T8	1200mm	49	15w	1832	73,50
3163 25 83	LED White warm 3000°K	T8	1200mm	49	25w	2140	127,00
3163 25 84	LED White medium 4000°K	T8	1200mm	49	25w	2300	127,00
3163 25 85	LED White cold 5700°K	T8	1200mm	49	25w	2350	127,00
3163 20 83	LED White warm 3000°K	T8	1500mm	63	19w	2142	99,90
3163 20 84	LED White medium 4000°K	T8	1500mm	63	19w	2302	99,90
3163 20 85	LED White cold 5700°K	T8	1500mm	63	19w	2356	99,90
3163 32 83	LED White warm 3000°K	T8	1500mm	63	32w	2400	139,80
3163 32 84	LED White medium 4000°K	T8	1500mm	63	32w	2700	139,80
3163 32 85	LED White cold 5700°K	T8	1500mm	63	32w	2720	139,80



Sheets PCB LED



Sheet PCB PROTEK / Duris E5



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP £
PCB 001 08 83	LED White warm	3000ºK	21	8w	969	21,62
PCB 001 08 84	LED White medium	4000ºK	21	8w	1055	21,62
PCB 001 08 85	LED White cold	5700ºK	21	8w	1055	21,62
PCB 001 16 83	LED White warm	3000ºK	42	16w	1939	29,72
PCB 001 16 84	LED White medium	4000ºK	42	16w	2110	29,72
PCB 001 16 85	LED White cold	5700ºK	42	16w	2110	29,72
PCB 001 25 83	LED White warm	3000ºK	63	25w	2909	31,92
PCB 001 25 84	LED White medium	4000ºK	63	25w	3162	31,92
PCB 001 25 85	LED White cold	5700ºK	63	25w	3162	31,92
PCB 001 50 83	LED White warm	3000ºK	126	50w	5818	38,50
PCB 001 50 84	LED White medium	4000ºK	126	50w	6332	38,50
PCB 001 50 85	LED White cold	5700ºK	126	50w	6332	38,50

\* PROTEK, composed by 1 PCB plate, LEDs and connector. (The price includes one PCB plate).

Sheet PCB PROTEK Q2 / Oslon SSL



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP £
PCB 002 60 83	White warm	3000ºK	28	60w	7056	96,64
PCB 002 60 84	White medium	4000ºK	28	60w	7560	96,64
PCB 002 60 85	White cold	5000ºK	28	60w	8266	96,64
PCB 002 10 83	White warm	3000ºK	43	100w	10584	123,24
PCB 002 10 84	White medium	4000ºK	43	100w	11340	123,24
PCB 002 10 85	White cold	5000ºK	43	100w	12399	123,24
PCB 002 15 83	White warm	3000ºK	68	150w	16632	165,36
PCB 002 15 84	White medium	4000ºK	68	150w	17820	165,36
PCB 002 15 85	White cold	5000ºK	68	150w	19484	165,36
PCB 002 20 83	White warm	3000ºK	87	200w	22176	183,82
PCB 002 20 84	White medium	4000ºK	87	200w	23760	183,82
PCB 002 20 85	White cold	5000ºK	87	200w	25978	183,82

\* PROTEK Q2, composed by 1 PCB plate, LEDs, diodes protection and connector. (The price includes 1 PCB plate).

Sheet PCB KLOSS // Duris E3



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP £
PCB 003 20 83	LED White warm	3000ºK	315	20w	1900	66,90
PCB 003 20 84	LED White medium	4000ºK	315	20w	2000	66,90
PCB 003 20 85	LED White cold	5700ºK	315	20w	2100	66,90
PCB 003 42 83	LED White warm	3000ºK	630	42w	3800	98,30
PCB 003 42 84	LED White medium	4000ºK	630	42w	4000	98,30
PCB 003 42 85	LED White cold	5700ºK	630	42w	4200	98,30
PCB 003 60 83	LED White warm	3000ºK	364	60w	5700	122,60
PCB 003 60 84	LED White medium	4000ºK	364	60w	6000	122,60
PCB 003 60 85	LED White cold	5700ºK	364	60w	6300	122,60

\* KLOSS, Composed by 2 PCB plates, LEDs and connector. (The price includes 2 PCB plates).







Sheet PCB ALIKET BASIC / Duris E5



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP €
PCB 004 25 83	LED White warm	3000ºK	49	25w	2756	16,50
PCB 004 25 84	LED White medium	4000ºK	49	25w	2756	16,50
PCB 004 25 85	LED White cold	5700ºK	49	25w	2756	16,50
PCB 004 50 83	LED White warm	3000ºK	49	50w	5486	16,80
PCB 004 50 84	LED White medium	4000ºK	49	50w	5512	16,80
PCB 004 50 85	LED White cold	5700ºK	49	50w	5512	16,80

Sheet PCB ALIKET BASIC / Oslon SSL



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP €
PCB 004 75 83	LED White warm	3000ºK	22	75w	7140	46,40
PCB 004 75 84	LED White medium	4000ºK	22	75w	7386	46,40
PCB 004 75 85	LED White cold	5000ºK	22	75w	7386	46,40

\* ALIKET BASIC, composed by 3 PCB plates, LEDs and connector.  
(The price includes 1 PCB plates).



Sheet PCB ALIKET / Duris E5



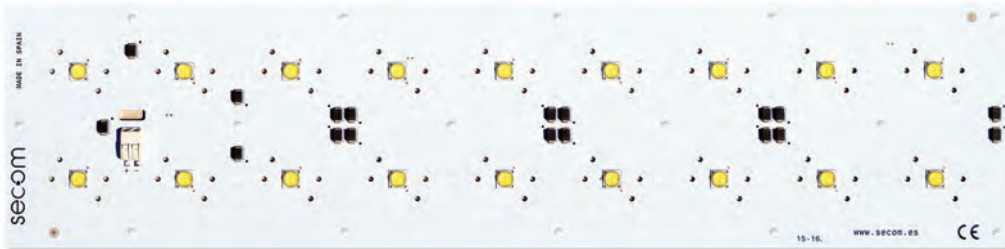
Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP €
PCB 005 20 83	LED White warm	3000ºK	56	20w	2090	30,60
PCB 005 20 84	LED White medium	4000ºK	56	20w	2100	30,60
PCB 005 20 85	LED White cold	5700ºK	56	20w	2100	30,60
PCB 005 40 83	LED White warm	3000ºK	56	40w	4180	31,60
PCB 005 40 84	LED White medium	4000ºK	56	40w	4200	31,60
PCB 005 40 85	LED White cold	5700ºK	56	40w	4200	31,60
PCB 005 50 83	LED White warm	3000ºK	49	50w	5486	32,60
PCB 005 50 84	LED White medium	4000ºK	49	50w	5512	32,60
PCB 005 50 85	LED White cold	5700ºK	49	50w	5512	32,60

Sheet PCB ALIKET / Oslon SSL



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP €
PCB 005 30 83	LED White warm	3000ºK	26	30w	2730	65,10
PCB 005 30 84	LED White medium	4000ºK	26	30w	3150	65,10
PCB 005 30 85	LED White cold	5000ºK	26	30w	3150	65,10
PCB 005 60 83	LED White warm	3000ºK	26	60w	5460	65,20
PCB 005 60 84	LED White medium	4000ºK	26	60w	6300	65,20
PCB 005 60 85	LED White cold	5000ºK	26	60w	6300	65,20
PCB 005 75 83	LED White warm	3000ºK	22	75w	7140	68,80
PCB 005 75 84	LED White medium	4000ºK	22	75w	7386	68,80
PCB 005 75 85	LED White cold	5000ºK	22	75w	7386	68,80

\* ALIKET 600 mm. (20w y 30w), composed by 1 PCB plate, LEDs and connector. (The price includes 1 PCB plate).  
ALIKET 1.200 mm. (40w y 60w), composed by 2 PCB plates, LEDs and connector. (The price includes 1 PCB plate).  
ALIKET 1.500 mm. (50w y 75w), composed by 3 PCB plates, LEDs and connector. (The price includes 1 PCB plate).



Sheet PCB ESDIUM / Luxeon Lumileds



Ref.	Type Colour	Kº	Nº LED	W	Lum.	TP €
PCB 006 15 83	White warm	3000ºK	18	150w	15300	221,20
PCB 006 15 84	White medium	4000ºK	18	150w	16290	221,20
PCB 006 15 85	White cold	5000ºK	18	150w	16560	221,20

\* ESDIUM, composed from 1 module up to 6 modules, each module includes 1 PCB plate, LEDs, diodes protection and connector. (The price includes 1 PCB plate).



Sheet PCB KONAK / Oslon SSL



Ref.	Type Colour	K°	N° LED	W	Lum.	TP €
PCB 007 40 83	LED White warm	3000°K	19	40w	4536	<b>84,66</b>
PCB 007 40 84	LED White medium	4000°K	19	40w	4860	<b>84,66</b>
PCB 007 40 85	LED White cold	5000°K	19	40w	5314	<b>84,66</b>
PCB 007 10 83	LED White warm	3000°K	43	100w	10584	<b>138,50</b>
PCB 007 10 84	LED White medium	4000°K	43	100w	11340	<b>138,50</b>
PCB 007 10 85	LED White cold	5000°K	43	100w	12399	<b>138,50</b>
PCB 007 15 83	LED White warm	3000°K	68	150w	16632	<b>162,50</b>
PCB 007 15 84	LED White medium	4000°K	68	150w	17820	<b>162,50</b>
PCB 007 15 85	LED White cold	5000°K	68	150w	19484	<b>162,50</b>
PCB 007 20 83	LED White warm	3000°K	87	200w	22176	<b>196,45</b>
PCB 007 20 84	LED White medium	4000°K	87	200w	23760	<b>196,45</b>
PCB 007 20 85	LED White cold	5000°K	87	200w	25978	<b>196,45</b>
PCB 007 25 83	LED White warm	3000°K	102	250w	26460	<b>232,80</b>
PCB 007 25 84	LED White medium	4000°K	102	250w	28350	<b>232,80</b>
PCB 007 25 85	White cold	5000°K	102	250w	30996	<b>232,80</b>

\* KONAK, composed by 1 PCB plate, LEDs, diodes protection and connector.  
(The price includes 1 PCB plate).

Sheet PCB ECODUT K2 / Oslon SSL



Ref.	Type Colour	K°	N° LED	W	Lum.	TP €
PCB 008 29 83	LED White warm	3000°K	28	29,4w	3780	<b>102,66</b>
PCB 008 29 84	LED White medium	4000°K	28	29,4w	4133	<b>102,66</b>
PCB 008 29 85	LED White cold	5700°K	28	29,4w	4536	<b>102,66</b>
PCB 008 45 83	LED White warm	3000°K	28	45,4w	5400	<b>108,94</b>
PCB 008 45 84	LED White medium	4000°K	28	45,4w	5904	<b>108,94</b>
PCB 008 45 85	LED White cold	5700°K	28	45,4w	6480	<b>108,94</b>
PCB 008 61 83	LED White warm	3000°K	28	61,6w	7560	<b>112,86</b>
PCB 008 61 84	LED BWhite medium	4000°K	28	61,6w	8266	<b>112,86</b>
PCB 008 61 85	LED White cold	5700°K	28	61,6w	9072	<b>112,86</b>
PCB 008 10 83	LED White warm	3000°K	44	100w	11880	<b>125,02</b>
PCB 008 10 84	LED White medium	4000°K	44	100w	12989	<b>125,02</b>
PCB 008 10 85	LED White cold	5700°K	44	100w	14256	<b>125,02</b>
PCB 008 15 83	LED White warm	3000°K	66	150w	17820	<b>163,92</b>
PCB 008 15 84	LED White medium	4000°K	66	150w	19484	<b>163,92</b>
PCB 008 15 85	LED White cold	5700°K	66	150w	21384	<b>163,92</b>
PCB 008 20 83	LED White warm	3000°K	88	200w	23760	<b>198,80</b>
PCB 008 20 84	LED White medium	4000°K	88	200w	25978	<b>198,80</b>
PCB 008 20 85	LED White cold	5700°K	88	200w	28512	<b>198,80</b>

\* ECODUT K2, composed by 1 PCB plate, LEDs, diodes protection and connector.  
(The price includes 1 PCB plate).

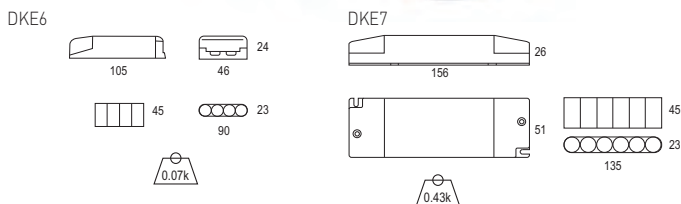




Drivers

Ref.	Description	Products references	TP €
3187	Driver LED up to 3-9W 350mA 3-12V	4206 - 4207 - 4208 Aircom Mini Led Circular 9w 3163 09 Tubo T-8 9w 350mA 600mm	11,70
3179	Driver LED up to 3-9W 700mA 3-12V	165 - 166 - 160 - 162 Lobel LED 9w	11,70
3188	Driver LED up to 16W 700mA 6-23V		28,80
3291	Driver LED up to 18W 350mA 48V	4220 - 4221 - 4222 Aircom LED Circular 15w 4250 - 4251 - 4252 Aircom Mini Led Square 13w	23,60
3189	Driver LED up to 25W 350mA 10-72V	4223 - 4224 - 4225 Aircom LED Square 20w	37,20
3185	Driver LED up to 25W 700mA 21-36V		37,20
3186	Driver LED up to 35W 700mA 24-48V	4223 26 - 4224 26 - 4225 26 Aircom LED Square 26w LED multichip                      470 Ducto LED waterproof IP65	37,20
3190	Driver LED up to 45W 500mA max.80V		45,90
3181	Driver LED up to 50W 700mA 30-80V	4210 Eslim LED 600 40w	89,60
3175	Driver LED up to 12W 350mA	4125 Protek Led 8w	9,90
3176	river LED up to 21W 700mA	4125 Protek Led 16w	12,80
3177	Driver LED up to 25W 700mA	4125 Protek Led 25w	16,42
3178	Driver LED up to 60W 700mA	4125 Protek Led 50w	30,80
3191	Driver LED up to 50W / IP65	4290 Konak Led 40w	71,10
3192	Driver LED up to 65W / IP65	4330 Protek Q2 Led 60w	71,10
3193	Driver LED up to 150W / IP65	4290 Konak Led 100w/150w 4330 Protek Q2 Led 100w/150w	89,80
3194	Driver LED up to 250W / IP65	4290 Konak Led 200w/250w 4330 Protek Q2 Led 200w	126,20

Other accessories



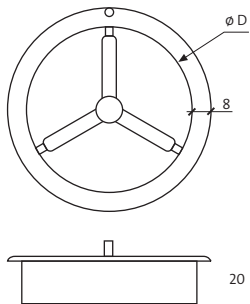
Emergency kit for lamps and LED PCB

Ref.	V	Frecueny	W	mA	Autonomy	Recharge	TP €
3415	220-240V	50-60Hz	until 6w	40mA	1h-8h	24h	89,80
3416	220-240V	50-60Hz	until 6w	20mA	1h	24h	105,60

Connector strip for halide	TP €
Ref.RC	0,66

## Support for recessed

Accessories for the installation of recessed luminaries.  
This system has a great efficiency in order to prepare the installation and allows to save time and additional accuracy in the installation of lighting fitting.

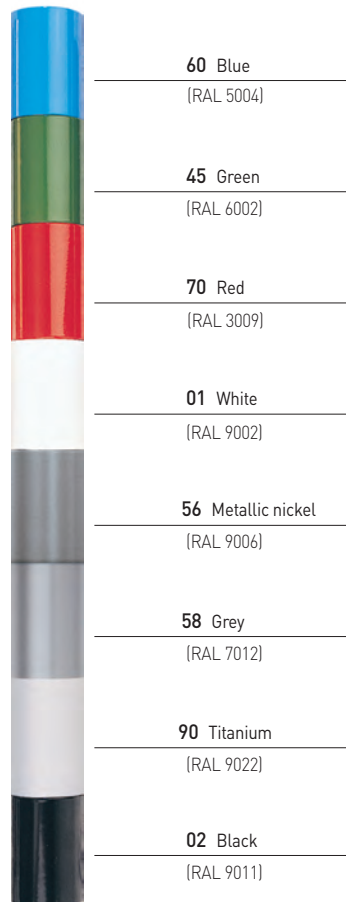


### Support for recessed

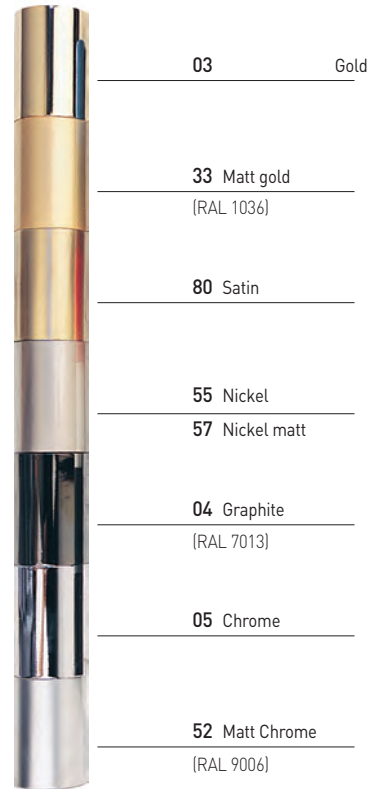
Ref.	ø D	Products references										€	
S70	ø 70mm	165	228	4296	932							1,10	
S77	ø 77mm	166	162	286	284	970							1,10
S90	ø 90mm	203	204	201	207	4251	4297						1,10
S95	ø 95mm	304											1,25
S100	ø 100mm	230											1,25
S172	ø 172mm	720	3002										2,90
S202	ø 202mm	469	494	710	4226	470	495	3003	3072	3073	443	2,90	
		444	422	423	424	425	426	427	428	473	474		
S224	ø 224mm	477	478	753	754								
		404	405										

## Color chart

### Colours



### Metallised



## Lighting Tables

Project of european rule prEN 12464

**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
<b>TRANSIT AREAS AND GENERAL INDOOR AREAS</b>				
<b>&gt; Transit areas</b>				
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 temperture TC >= 4000°k
<b>Control Rooms</b>				
Control Rooms	200	25	60	
Switchboard, fax room	500	19	80	
<b>Warehouses and Cold Storage</b>				
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	
Control posts	200	22	60	
<b>INDUSTRIAL AND CRAFT INDUSTRY ACTIVITIES</b>				
<b>Agricultural Activities</b>				
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	OBSERVACIONES / REMARKS
<b>Bakeries</b>				
Preparation of dough and bread baking	300	22	80	
Finishing and decorating	500	22	80	
<b>Cement and Concrete Industry</b>				
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	
<b>Ceramic and Glass Industry</b>				
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 $T_c \geq 4000^{\circ}\text{K}$
Manufacture of artificial gems	1500	16	90	Colour temperature $T_c \geq 4000^{\circ}\text{K}$
<b>&gt; Industrias químicas, plásticas y de caucho / Chemical, Plastic and Rubber Industries</b>				
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	Temperatura de color / Colour temperature $T_c \geq 4000^{\circ}\text{K}$
Cutting, finishing and inspection	750	19	80	
<b>Electrical Industry</b>				
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	
<b>Food Industry</b>				
Initial classification washing of products, grinding, mixing, packaging	300	25	80	
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	



PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
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 $T_c >= 4000^{\circ}\text{K}$
<b>Founding and Moulding</b>				
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	
<b>Jewellery Manufacture</b>				
Work with gems	1500	16	90	Temperatura de color / Colour temperature $T_c >= 4000^{\circ}\text{K}$
Manufacture of jewels	1000	16	90	
Manual clock and watch making	1500	16	80	
<b>Hairdressers</b>				
Work in hairdressing salons	500	19	90	
<b>Laundries and Dry Cleaners</b>				
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	
<b>Leather Industry</b>				
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 $T_c >= 4000^{\circ}\text{K}$
Machine dyeing of skins	500	22	80	
Quality control	1000	19	80	
Colour inspection	1000	16	90	Colour temperature $T_c >= 4000^{\circ}\text{K}$
Glove manufacture	500	22	80	
Shoes manufacture	500	22	80	

PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
<b>Metallurgy</b>				
Forging in open die	200	25	60	
Forging in forging hammer	300	25	60	
Soldering/Welding	300	25	60	
Heavy and medium machinery (Tolerance $\geq 0,1$ mm)	300	22	60	
Precision machinery (Tolerance $< 0,1$ mm)	500	19	60	
racing, inspection	750	19	60	
Work with tubes and wires (hot shaping)	300	25	60	
Machine work with thick plate (thickness $\geq 2: 5$ mm)	200	25	60	
Machine work with thick plate (thickness $\geq 5$ 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	
<b>Paper Industry</b>				
Pulp mills	200	25	80	
Paper manufacture and processing, cardboard manufacture	300	25	80	
Binding: Folding, classifying, gluing, cutting, engraving, sewing	500	25	80	
<b>Power Plants</b>				
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
Outdoor switch equipment	20	-	-	The colours of the safety signs / signals must be recognisable
<b>Printing Works</b>				
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 $T_c \geq 4000^{\circ}\text{K}$
Copper and steel engraving	2000	16	80	
<b>Rolling Mills and Iron and Steel Works</b>				
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	





PLACE OR ACTIVITY	EM	UGR	RA	REMARKS
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
<b>Textile Industry</b>				
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 $T_c \geq 4000^{\circ}\text{k}$
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 $T_c \geq 4000^{\circ}\text{k}$
Alterations that cannot be seen with the naked eye	1500	19	90	Colour temperature $T_c \geq 4000^{\circ}\text{k}$
Hat making	500	22	80	
<b>Manufacture of vehicles</b>				
Assembly and bodywork	500	22	80	
Painting, paint cabins, polishing cabins	750	22	80	
Painting: touching up, inspection	1000	16	90	Colour temperature $T_c \geq 4000^{\circ}\text{k}$
Upholstery	100	19	80	
Final inspection	750	19	80	
<b>Wood Industry</b>				
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	Prevent stroboscopic effects
Selecting wood for veneering	750	22	90	Colour temperature $T_c \geq 4000^{\circ}\text{k}$
Marqueterie and wood inlay work	750	22	90	Colour temperature $T_c \geq 4000^{\circ}\text{k}$
Quality control	750	19	90	Colour temperature $T_c \geq 4000^{\circ}\text{k}$

PLACE OR ACTIVITY	EM	UGR	RA	OBSERVACIONES / REMARKS
<b>OFFICES</b>				
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	
<b>SHOPS</b>				
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	
<b>AUDITORIUM / LIBRARIES</b>				
Teathres, 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	
<b>CHURCHES</b>				
Nave	150	19	60	
Chorus, altar, pulpit	300	22	80	Colour temperature $T_c >= 4000^{\circ}k$
<b>HOTELS / RESTAURANTS</b>				
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	
Laundry	300	22	60	
Mechanic ironing	300	22	80	
Hand ironing	300	22	80	
Classification	300	19	80	
Inspection of stain erasing	1000	16	90	Colour temperature $T_c >= 4000^{\circ}k$
Hairdressing salon	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)

- |   |  |
|---|--|
| <p><b>0</b> Unprotected</p> <p><b>1</b> Protected against access to hazardous parts with the back of the hand and against solid foreign objects bigger than 50 mm <math>\varnothing</math>.</p> <p><b>2</b> Protected against access to hazardous parts with a finger against solid foreign objects of 12.5 mm <math>\varnothing</math> or bigger.</p> <p><b>3</b> Protected against access to hazardous parts with a finger, and against solid foreign objects of 2.5 mm <math>\varnothing</math> or bigger.</p> <p><b>4</b> Protected against access to hazardous parts with a piece of wire and against solid foreign objects of 1 mm <math>\varnothing</math> or bigger.</p> <p><b>5</b> Protected against access to hazardous parts with a wire and dust.</p> <p><b>6</b> Protected against access to hazardous parts with a wire and completely against dust.</p> | <p><b>0</b> Not protected against water.</p> <p><b>1</b> Protected against vertically falling water drops.</p> <p><b>2</b> Protected against vertically falling water drops when enclosure is tilted up to 15°.</p> <p><b>3</b> Protected against water sprayed at an angle up to 60° on either side of the vertical.</p> <p><b>4</b> Protected against water splashed against the component from any direction.</p> <p><b>5</b> Protected against water projected in jets from any direction.</p> <p><b>6</b> Protected against water projected in powerful jets from any direction.</p> <p><b>7</b> Protected against temporary immersion in water.</p> <p><b>8</b> Protected against continuous immersion in water.</p> |
|---|--|

### IP **X** **X**

Second number indicates protection against the penetration of the liquids. (Table UNE 20324-93)

## Tenko HQI RX7s

Protection degree IP65 / IK8

### Protection degree. IK code.

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-gramme 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



# REFERENCES INDEX



Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
001B 01 12 83	181,09	24	020L 52 04 05 83	384,90	31	022 04 02 50 45	441,97	35	0205B 02 01 12 83	395,60	171
001B 01 25 84	238,80	25	020L 52 04 07 83	471,56	31	022 04 02 60 45	474,43	35	025B 02 02 12 83	399,80	171
001B 02 12 83	184,29	24	020L 90 01 05 83	149,59	28	022 04 52 35 24	441,97	35	025B 02 52 12 83	399,80	171
001B 02 25 84	243,40	25	020L 90 01 07 83	171,46	28	022 04 52 50 45	441,97	35	025B 02 90 12 83	399,80	171
001B 52 12 83	184,29	24	020L 90 02 05 83	209,17	29	022 04 52 60 45	474,43	35	025B 03 01 12 83	532,80	172
001B 52 25 84	243,40	25	020L 90 02 07 83	252,90	29	022 04 90 35 24	441,97	35	025B 03 02 12 83	536,50	172
001B 90 12 83	184,29	24	020L 90 03 05 83	269,90	30	022 04 90 50 45	441,97	35	025B 03 52 12 83	536,50	172
001B 90 25 84	243,40	25	020L 90 03 07 83	332,76	30	022 04 90 60 45	474,43	35	025B 03 90 12 83	536,50	172
001L 01 07 83	99,80	23	020L 90 04 05 83	384,90	31	022B 01 01 12 83	251,64	34	034 01 1 50 2 84	334,90	178
001L 02 07 83	106,50	23	020L 90 04 07 83	471,56	31	022B 01 02 12 83	256,44	34	034 01 1 50 2 R	106,40	179
001L 52 07 83	106,50	23	021L 02 01 05 83	174,80	169	022B 01 52 12 83	256,44	34	034 01 1 75 2 84	399,90	179
001L 90 07 83	106,50	23	021L 02 01 10 07 83	176,90	169	022B 01 90 12 83	256,44	34	034 01 1 75 2 B	106,40	179
001Q 01 35	106,69	22	021L 02 02 05 83	256,40	170	022B 02 01 12 83	394,80	34	034 01 1 80 2 G	106,40	179
001Q 01 50	106,69	22	021L 02 02 10 07 83	264,80	170	022B 02 02 12 83	399,60	34	035 01 1 50 2 84	434,45	180
001Q 01 60	116,50	22	021L 02 03 05 83	339,90	170	022B 02 52 12 83	399,60	34	035 01 1 50 2 R	106,24	181
001Q 01 75	113,41	22	021L 02 03 10 07 83	342,60	170	022B 02 90 12 83	399,60	34	035 01 1 75 2 84	499,45	181
001Q 02 35	109,89	22	021L 52 01 05 83	174,80	169	022B 03 01 12 83	522,80	35	035 01 1 75 2 B	106,24	181
001Q 02 50	109,89	22	021L 52 01 10 07 83	176,90	169	022B 03 02 12 83	531,90	35	035 01 1 80 2 G	106,24	181
001Q 02 60	120,00	22	021L 52 02 05 83	256,40	170	022B 03 52 12 83	531,90	35	036 01 1 50 2 84	334,95	176
001Q 02 75	116,82	22	021L 52 02 10 07 83	264,80	170	022B 03 90 12 83	531,90	35	036 01 1 50 2 R	106,24	177
001Q 52 35	109,89	22	021L 52 03 05 83	339,90	170	022B 04 01 12 83	726,70	35	036 01 1 75 2 84	399,95	177
001Q 52 50	109,89	22	021L 52 03 10 07 83	342,60	170	022B 04 02 12 83	739,60	35	036 01 1 75 2 B	106,24	177
001Q 52 60	120,00	22	021L 90 01 05 83	174,80	169	022B 04 52 12 83	739,60	35	036 01 1 80 2 G	106,24	177
001Q 52 75	116,82	22	021L 90 01 10 07 83	176,90	169	022B 04 90 12 83	739,60	35	037 01 1 20 1 84 MC	224,90	184
001Q 90 35	109,89	22	021L 90 02 05 83	256,40	170	022R 04 01 35	987,66	35	037 01 1 20 1 84 MF	224,90	184
001Q 90 50	109,89	22	021L 90 02 10 07 83	264,80	170	022R 04 02 35	1017,28	35	037 01 1 20 1 84 MI	224,90	184
001Q 90 60	120,00	22	021L 90 03 05 83	339,90	170	022R 04 52 35	1017,28	35	037 01 1 20 1 84 MP	224,90	184
001Q 90 75	116,82	22	021L 90 03 10 07 83	342,60	170	022R 04 90 35	1017,28	35	037 01 1 20 2 84 MC	224,90	184
001R 01 35	307,92	24	022 01 01 35 24	177,24	34	025 01 01 35	174,52	171	037 01 1 20 2 84 MF	224,90	184
001R 01 70	307,94	24	022 01 01 50 45	177,24	34	025 01 01 50	174,52	171	037 01 1 20 2 84 MI	224,90	184
001R 02 35	317,15	24	022 01 01 60 45	185,35	34	025 01 01 60	186,33	171	037 01 1 20 2 84 MP	224,90	184
001R 02 70	317,17	24	022 01 02 35 24	177,24	34	025 01 02 35	179,75	171	037 01 1 20 3 84 MC	259,60	184
001R 52 35	317,15	24	022 01 02 50 45	177,24	34	025 01 02 50	179,75	171	037 01 1 20 3 84 MF	259,60	184
001R 52 70	317,17	24	022 01 02 60 45	185,35	34	025 01 02 60	188,43	171	037 01 1 20 3 84 MI	259,60	184
001R 90 35	317,15	24	022 01 52 35 24	177,24	34	025 01 02 35	179,75	171	037 01 1 20 3 84 MP	259,60	184
001R 90 70	317,17	24	022 01 52 50 45	177,24	34	025 01 52 50	179,75	171	037 01 1 30 1 84 MC	259,90	185
002B 01 25 83	260,43	165	022 01 52 60 45	185,35	34	025 01 52 60	188,43	171	037 01 1 30 1 84 MF	259,90	185
002B 01 83	176,80	165	022 01 90 35 24	177,24	34	025 01 90 35	179,75	171	037 01 1 30 1 84 MI	259,90	185
002B 02 25 83	271,13	165	022 01 90 50 45	177,24	34	025 01 90 50	179,75	171	037 01 1 30 1 84 MP	259,90	185
002B 02 83	179,90	165	022 01 90 60 45	185,35	34	025 01 90 60	188,43	171	037 01 1 30 2 84 MC	259,90	185
002B 52 25 83	271,13	165	022 02 01 35 24	246,00	34	025 01 90 35	179,75	171	037 01 1 30 2 84 MF	259,90	185
002B 52 83	179,90	165	022 02 01 50 45	246,00	34	025 02 01 50	241,50	171	037 01 1 30 2 84 MI	259,90	185
002B 90 25 83	271,13	165	022 02 01 60 45	262,23	34	025 02 01 60	265,66	171	037 01 1 30 2 84 MP	259,90	185
002B 90 83	179,90	165	022 02 02 35 24	246,00	34	025 02 02 35	243,60	171	037 01 1 30 3 84 MC	298,90	185
002L 01 07 83	132,96	164	022 02 02 50 45	246,00	34	025 02 02 50	243,60	171	037 01 1 30 3 84 MF	298,90	185
002L 02 07 83	142,80	164	022 02 02 60 45	262,23	34	025 02 02 60	267,77	171	037 01 1 30 3 84 MI	298,90	185
002L 52 07 83	142,80	164	022 02 52 35 24	246,00	34	025 02 52 35	243,60	171	037 01 1 30 3 84 MP	298,90	185
002L 90 07 83	142,80	164	022 02 52 50 45	246,00	34	025 02 52 50	243,60	171	037 01 2 40 1 84 MC	357,93	186
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0060	169,90	190	022 02 90 50 45	246,00	34	025 02 90 50	243,60	171	037 01 2 40 1 84 MP	357,93	186
0060 01 0	175,90	190	022 02 90 60 45	262,23	34	025 02 90 60	267,77	171	037 01 2 40 2 84 MC	357,93	186
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020L 02 01 07 83	171,46	28	022 03 02 35 24	308,67	35	025 03 02 35	305,03	172	037 01 2 40 3 84 MC	412,80	186
020L 02 02 05 83	209,17	29	022 03 02 50 45	308,67	35	025 03 02 50	305,03	172	037 01 2 40 3 84 MF	412,80	186
020L 02 02 07 83	252,90	29	022 03 02 60 45	333,01	35	025 03 02 60	340,47	172	037 01 2 40 3 84 MI	412,80	186
020L 02 03 05 83	269,90	30	022 03 52 35 24	308,67	35	025 03 52 35	305,03	172	037 01 2 40 3 84 MP	412,80	186
020L 02 03 07 83	332,76	30	022 03 52 50 45	308,67	35	025 03 52 50	305,03	172	037 01 2 60 1 84 MC	395,80	187
020L 02 04 05 83	384,90	31	022 03 52 60 45	333,01	35	025 03 52 60	340,47	172	037 01 2 60 1 84 MF	395,80	187
020L 02 04 07 83	471,56	31	022 03 90 35 24	308,67	35	025 03 90 35	305,03	172	037 01 2 60 1 84 MI	395,80	187
020L 52 01 05 83	149,59	28	022 03 90 50 45	308,67	35	025 03 90 50	305,03	172	037 01 2 60 1 84 MP	395,80	187
020L 52 01 07 83	171,46	28	022 03 90 60 45	333,01	35	025 03 90 60	340,47	172	037 01 2 60 2 84 MC	395,80	187
020L 52 02 05 83	209,17	29	022 04 01 35 24	429,10	35	025B 01 01 12 83	249,50	171	037 01 2 60 2 84 MF	395,80	187
020L 52 02 07 83	252,90	29	022 04 01 50 45	429,10	35	025B 01 02 12 83	257,60	171	037 01 2 60 2 84 MI	395,80	187
020L 52 03 05 83	269,90	30	022 04 01 60 45	460,62	35	025B 01 52 12 83	257,60	171	037 01 2 60 2 84 MP	395,80	187
020L 52 03 07 83	332,76	30	022 04 02 35 24	441,97	35	025B 01 90 12 83	257,60	171	037 01 2 60 3 84 MC	452,20	187

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037 01 4 50 1 84 MF	442,90	188	082L 10 07 AA BB CC	162,90	54	114 02	16,78	173	155 52 60	93,66	102
037 01 4 50 1 84 MI	442,90	188	083L 10 05 AA BB CC	210,20	55	114 52	16,78	173	155 52 75	89,42	102
037 01 4 50 1 84 MP	442,90	188	083L 10 07 AA BB CC	239,94	55	115 01	7,82	173	155 90 35	85,11	102
037 01 4 50 2 84 MC	442,90	188	084L 10 05 AA BB CC	263,32	55	115 02	8,61	173	155 90 50	85,11	102
037 01 4 50 2 84 MF	442,90	188	084L 10 07 AA BB CC	302,89	55	115 52	8,61	173	155 90 60	93,66	102
037 01 4 50 2 84 MI	442,90	188	091L 10 AA BB 07 83	74,60	90	116 01	12,71	173	155 90 75	89,42	102
037 01 4 50 2 84 MP	442,90	188	091L AA BB 05 83	72,90	90	116 02	13,97	173	156 01 12 83	168,74	102
037 01 4 50 3 84 MC	510,60	188	092L 10 AA BB 07 83	130,80	90	116 52	13,97	173	156 02 12 83	172,88	102
037 01 4 50 3 84 MF	510,60	188	092L AA BB 05 83	123,20	90	117 01	40,06	173	156 52 12 83	172,88	102
037 01 4 50 3 84 MI	510,60	188	093L 10 AA BB 07 83	206,80	91	117 02	40,06	173	160 01 84	46,50	101
037 01 4 50 3 84 MP	510,60	188	093L AA BB 05 83	177,90	91	119 01	1,26	173	160 02 84	49,50	101
037 01 4 75 1 84 MC	489,80	189	094L 10 AA BB 07 83	236,00	91	119 02	1,39	173	160 03 84	49,50	101
037 01 4 75 1 84 MF	489,80	189	094L AA BB 05 83	210,60	91	119 52	1,39	173	160 05 84	49,50	101
037 01 4 75 1 84 MI	489,80	189	35 01 01	79,40	313	120	262,10	190	160 52 84	49,50	101
037 01 4 75 1 84 MP	489,80	189	35 01 02	79,40	313	120 01	9,57	173	160 57 84	49,50	101
037 01 4 75 2 84 MC	489,90	189	35 01 58	79,40	313	120 02	9,57	173	162 01 84	47,70	101
037 01 4 75 2 84 MF	489,90	189	35 02 01	84,20	313	121	262,10	190	162 02 84	50,70	101
037 01 4 75 2 84 MI	489,90	189	35 02 02	84,20	313	122	262,10	190	162 03 84	50,70	101
037 01 4 75 2 84 MP	489,90	189	35 02 58	84,20	313	132 01	71,28	173	162 05 84	50,70	101
037 01 4 75 3 84 MC	559,60	189	35 03 01	89,80	313	132 02	72,70	173	162 52 84	50,70	101
037 01 4 75 3 84 MF	559,60	189	35 03 02	89,80	313	132 52	74,85	173	162 57 84	50,70	101
037 01 4 75 3 84 MI	559,60	189	35 03 58	89,80	313	133 01	136,50	173	165 00 84	55,20	100
037 01 4 75 3 84 MP	559,60	189	35 04 01	94,20	315	133 02	139,30	173	166 00 84	58,60	100
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056QC 01 75	116,10	61	35 06 58	118,60	315	136 01	25,90	173	174 AA BB 14 84	295,80	88
056QC 02 35	117,32	61	61	169,90	190	136 02	26,40	173	175 AA BB 09 84	278,48	88
056QC 02 50	117,32	61	62	169,90	190	136 52	27,20	173	175 AA BB 14 84	348,20	88
056QC 02 60	123,80	61	71	78,90	182	137 01	51,20	173	180 01 09 84	110,90	20
056QC 02 75	119,58	61	72	78,90	182	137 02	52,20	173	180 01 09 84 IP65	74,14	256
056QC 52 35	117,32	61	105 AA BB 35CP	69,90	92	137 52	53,80	173	180 01 14 84	124,04	20
056QC 52 50	117,32	61	105 AA BB 50CP	69,90	92	138 01	12,12	173	180 01 14 84 IP65	88,28	256
056QC 52 60	123,80	61	105 AA BB 60CP	79,94	92	138 02	12,40	173	180 02 09 84	118,48	162
056QC 52 75	119,58	61	105 AA BB 75CP	79,94	92	138 52	12,70	173	180 02 09 84 IP65	76,72	256
056QC 90 35	117,32	61	105L AA BB 12 83	139,80	92	139 01	64,11	173	180 02 14 84	131,28	162
056QC 90 50	117,32	61	106 AA BB 35CP	129,05	92	139 02	65,40	173	180 02 14 84 IP65	125,96	20
056QC 90 60	123,80	61	106 AA BB 50CP	129,05	92	140	128,90	182	180 52 09 84	118,48	162
056QC 90 75	119,58	61	106 AA BB 60CP	163,40	92	140 01	49,57	173	180 52 09 84 IP65	90,86	256
075 35 AA BB CC	114,11	56	106 AA BB 75CP	163,40	92	140 02	50,60	173	180 90 09 84	118,48	162
075 50 AA BB CC	114,11	56	106L AA BB 12 83	268,60	92	1404	18,90	182	180 90 09 84 IP65	112,82	20
075 60 AA BB CC	130,61	56	107 AA BB 35CP	177,35	93	141	128,90	182	180 90 14 84	131,28	162
075 75 AA BB CC	130,61	56	107 AA BB 50CP	177,35	93	141 01	1,99	173	180 90 14 84 IP65	125,96	20
075L 02 12 AA BB CC	188,50	56	107 AA BB 60CP	231,20	93	141 02	2,03	173	185 01 14 84	67,38	99
076 35 AA BB CC	178,91	56	107 AA BB 75CP	231,20	93	141 52	2,10	173	185 02 09 84	55,82	99
076 50 AA BB CC	178,91	56	107L AA BB 12 83	386,70	93	142	128,90	182	185 02 14 84	69,96	99
076 60 AA BB CC	216,95	56	108 AA BB 35CP	247,66	93	142 01	11,60	173	185 52 09 84	55,82	99
076 75 AA BB CC	216,95	56	108 AA BB 50CP	247,66	93	142 02	11,60	173	185 52 14 84	69,96	99
076L 02 12 AA BB CC	328,40	56	108 AA BB 60CP	294,90	93	150	310,40	190	185 90 09 84	55,82	99
077 35 AA BB CC	234,80	57	108 AA BB 75CP	294,90	93	150 01 4 83	13,90	146	185 90 14 84	131,28	162
077 50 AA BB CC	234,80	57	108L AA BB 12 83	526,86	93	150 52 4 83	16,52	146	180 90 14 84	125,96	20
077 60 AA BB CC	297,34	57	110 01	40,85	173	151	310,40	190	180 90 14 84 IP65	90,86	256
077 75 AA BB CC	297,34	57	110 02	40,85	173	152	310,40	190	185 01 09 84	53,24	99
077L 12 AA BB CC	459,60	57	110 52	47,92	173	152 01 4 83	11,42	146	185 01 14 84	67,38	99
078 35 AA BB CC	312,57	57	111 01	83,79	173	152 52 4 83	11,74	146	185 02 09 84	55,82	99
078 50 AA BB CC	312,57	57	111 02	83,79	173	155 01 50	82,64	102	185 02 14 84	69,96	99
078 60 AA BB CC	367,92	57	111 52	96,37	173	155 01 60	89,49	102	185 52 09 84	55,82	99
078 75 AA BB CC	367,92	57	112 01	13,97	173	155 01 75	86,82	102	185 52 14 84	69,96	99
078L 12 AA BB CC	612,80	57	112 02	15,36	173	155 02 35	85,11	102	185 90 09 84	55,82	99
080L 05 AA BB	95,60	74	112 52	15,36	173	155 02 50	85,11	102	185 90 14 84	69,96	99



Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
190 01 09 84	116,54	162	204 03	9,93	103	228L 00 07 83	41,10	106	286 10 05	7,90	108
190 01 14 84	129,68	162	204 05	9,93	103	228L 01 05 83	43,44	106	286 10 52	7,90	108
201 01	3,97	114	204 52	9,93	103	228L 01 07 83	41,34	106	286 52	6,20	108
201 02	5,97	114	204 57	9,93	103	229 00	12,08	106	286L 01 05 83	33,80	108
201 03	5,97	114	204GU 01	8,62	103	229 01	12,32	106	286L 01 10 07 83	33,60	108
201 05	5,97	114	204GU 03	11,13	103	229 10 00	13,88	106	286L 02 05 83	35,20	108
201 10 01	5,77	114	204GU 05	11,13	103	229 10 01	14,12	106	286L 02 10 07 83	35,10	108
201 10 02	7,77	114	204GU 52	11,13	103	229L 00 07 83	43,90	106	286L 03 05 83	35,20	108
201 10 03	7,77	114	204GU 57	11,13	103	229L 01 07 83	44,14	106	286L 03 10 07 83	35,10	108
201 10 05	7,77	114	204GUL 01 05 83	29,52	103	231L 01 05 83	66,20	76	286L 05 05 83	35,20	108
201 10 52	7,77	114	204GUL 01 07 83	35,60	103	231L 02 05 83	79,90	76	286L 05 10 07 83	35,10	108
201 52	5,97	114	204GUL 03 05 83	31,73	103	231L 03 05 83	79,90	76	286L 52 05 83	35,20	108
201L 01 05 83	33,20	114	204GUL 03 07 83	37,90	103	231L 04 05 83	79,90	76	286L 52 10 07 83	35,10	108
201L 01 10 07 83	33,14	114	204GUL 05 05 83	31,73	103	231L 05 05 83	79,90	76	287 01	3,09	109
201L 02 05 83	34,98	114	204GUL 05 07 83	37,90	103	231L 52 05 83	79,90	76	287 02	3,96	109
201L 02 10 07 83	34,88	114	204GUL 52 05 83	31,73	103	231L 90 05 83	79,90	76	287 03	3,96	109
201L 03 05 83	34,98	114	204GUL 52 07 83	37,90	103	232L 01 05 83	124,60	76	287 05	3,96	109
201L 03 10 07 83	34,88	114	204GUL 57 05 83	31,73	103	232L 02 05 83	148,80	76	287 10 01	4,89	109
201L 05 05 83	34,98	114	204GUL 57 07 83	37,90	103	232L 03 05 83	148,80	76	287 10 02	5,76	109
201L 05 10 07 83	34,88	114	204L 01 05 83	32,90	103	232L 04 05 83	148,80	76	287 10 03	5,76	109
201L 52 05 83	34,98	114	204L 03 05 83	34,72	103	232L 05 05 83	148,80	76	287 10 05	5,76	109
201L 52 10 07 83	34,88	114	204L 05 05 83	34,72	103	232L 52 05 83	148,80	76	287 10 52	5,76	109
202 01	1,81	111	204L 52 05 83	34,72	103	232L 90 05 83	148,80	76	287 52	3,96	109
202 02	2,55	111	204L 57 05 83	34,72	103	233L 01 05 83	189,90	77	287L 01 05 83	32,60	109
202 03	2,55	111	2060	92,51	286	233L 02 05 83	216,40	77	287L 01 10 07 83	32,40	109
202 05	2,55	111	2061	113,18	286	233L 03 05 83	216,40	77	287L 02 05 83	34,40	109
202 10 01	3,61	111	2061	122,10	292	233L 04 05 83	216,40	77	287L 02 10 07 83	34,20	109
202 10 02	4,35	111	207 01	4,38	115	233L 05 05 83	216,40	77	287L 03 05 83	34,40	109
202 10 03	4,35	111	207 02	6,41	115	233L 52 05 83	216,40	77	287L 03 10 07 83	34,20	109
202 10 05	4,35	111	207 03	6,41	115	233L 90 05 83	216,40	77	287L 05 05 83	34,40	109
202 10 52	4,35	111	207 05	6,41	115	243L 01 05 83	202,10	77	287L 05 10 07 83	34,20	109
202 52	2,55	111	207 10 01	6,18	115	243L 02 05 83	219,20	77	287L 52 05 83	34,40	109
202L 01 05 83	31,20	111	207 10 02	8,21	115	243L 03 05 83	219,20	77	287L 52 10 07 83	34,20	109
202L 01 10 07 83	31,10	111	207 10 03	8,21	115	243L 04 05 83	219,20	77	289L 01 05 83	82,90	96
202L 02 05 83	32,40	111	207 10 05	8,21	115	243L 05 05 83	219,20	77	289L 01 07 83	85,20	96
202L 02 10 07 83	32,20	111	207 10 52	8,21	115	243L 52 05 83	219,20	77	289L 02 05 83	88,60	96
202L 03 05 83	32,40	111	207 52	6,41	115	243L 90 05 83	219,20	77	289L 02 07 83	89,40	96
202L 03 10 07 83	32,20	111	207L 01 05 83	33,55	115	284 01	6,79	110	289L 05 05 83	88,60	96
202L 05 05 83	32,40	111	207L 01 10 07 83	33,44	115	284 02	8,24	110	289L 90 07 83	89,40	96
202L 05 10 07 83	32,20	111	207L 02 05 83	36,20	115	284 03	8,24	110	290L 01 05 83	75,80	97
202L 52 05 83	32,40	111	207L 02 10 07 83	36,10	115	284 05	8,24	110	290L 01 07 83	76,80	97
202L 52 10 07 83	32,20	111	207L 03 05 83	36,20	115	284 10 01	8,59	110	290L 02 05 83	79,80	97
203 01	6,61	104	207L 03 10 07 83	36,10	115	284 10 02	10,14	110	290L 02 07 83	79,90	97
203 03	9,11	104	207L 05 05 83	36,20	115	284 10 03	10,14	110	290L 90 05 83	79,80	97
203 05	9,11	104	207L 05 10 07 83	36,10	115	284 10 05	10,14	110	290L 90 07 83	79,90	97
203 10 01	8,41	104	207L 52 05 83	36,20	115	284 10 52	10,14	110	411 30 85	289,90	376
203 10 03	11,21	104	207L 52 10 07 83	36,10	115	284 10 90	10,14	110	469 01 18 84 BE	77,70	260
203 10 05	11,21	104	219 00	34,20	107	284 52	8,24	110	469 01 26 84 BE	77,72	260
203 10 52	11,21	104	219 10 00	36,00	107	284 90	8,24	110	469 01 32 84	110,78	260
203 10 57	11,21	104	219L 00 05 83	44,80	107	284L 01 05 83	39,69	110	469 01 42 84	114,12	260
203 52	9,11	104	219L 00 10 07 83	47,90	107	284L 01 10 07 83	39,49	110	469 52 18 84 BE	86,99	260
203 57	9,11	104	220 00	36,97	107	284L 02 05 83	41,14	110	469 52 26 84 BE	87,01	260
203L 01 05 83	33,51	104	220 10 00	38,77	107	284L 02 10 07 83	40,94	110	469 52 32 84	120,05	260
203L 03 05 83	36,01	104	220L 00 05 83	48,90	107	284L 03 05 83	41,14	110	469 52 42 84	120,07	260
203L 05 05 83	36,01	104	220L 00 10 07 83	49,80	107	284L 03 10 07 83	40,94	110	469 90 18 84 BE	86,99	260
203L 10 01 05 83	28,41	104	227 00	13,92	105	284L 05 05 83	41,14	110	469 90 26 84 BE	87,01	260
203L 10 01 07 83	35,20	104	227 01	14,16	105	284L 05 10 07 83	40,94	110	469 90 32 84	120,05	260
203L 10 03 05 83	30,91	104	227 10 00	15,72	105	284L 52 05 83	41,14	110	469 90 42 84	120,07	260
203L 10 03 07 83	39,80	104	227 10 01	15,96	105	284L 52 10 07 83	40,94	110	470 01 18 84 BE	84,21	260
203L 10 05 05 83	30,91	104	227L 00 05 83	39,70	105	284L 90 05 83	41,14	110	470 01 26 84 BE	84,23	260
203L 10 05 07 83	39,80	104	227L 00 07 83	37,90	105	284L 90 10 07 83	40,94	110	470 52 18 84 BE	93,52	260
203L 10 52 05 83	30,91	104	227L 01 05 83	39,94	105	286 01	4,70	108	470 52 26 84 BE	93,54	260
203L 10 52 07 83	39,80	104	227L 01 07 83	38,14	105	286 02	6,20	108	470 90 18 84 BE	93,52	260
203L 10 57 05 83	30,91	104	228 00	11,01	106	286 03	6,20	108	470 90 26 84 BE	93,54	260
203L 10 57 07 83	39,80	104	228 01	11,25	106	286 05	6,20	108	494 01 18 84 BE	30,90	142
203L 52 05 83	36,01	104	228 10 00	12,81	106	286 10 01	6,50	108	494 01 26 84 BE	30,92	142
203L 57 05 83	36,01	104	228 10 01	13,05	106	286 10 02	7,90	108	494 02 18 84 BE	36,85	142
204 01	7,72	103	228L 00 05 83	43,20	106	286 10 03	7,90	108	494 02 26 84 BE	36,87	142

Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
494 03 18 84 BE	36,85	142	546 58 3 40 3 85	753,01	309	813 01	12,66	73	905 236	44,10	241
494 03 26 84 BE	36,87	142	701 01 40 84	195,40	144	813 02	22,76	73	905 236 84	49,16	241
494 05 18 84 BE	36,85	142	701 01 60 84	209,90	144	813 03	22,76	73	905 258	59,16	241
494 05 26 84 BE	36,87	142	701 02 40 84	197,60	144	813 52	22,76	73	905 258 84	67,69	241
494 52 18 84 BE	36,85	142	701 02 60 84	211,40	144	813 90	22,76	73	906A 118 84 BE	69,90	213
494 52 26 84 BE	36,87	142	701 52 40 84	198,60	144	814 01	14,62	73	906A 136 84 BE	83,92	213
494 90 18 84 BE	36,85	142	701 52 60 84	212,60	144	814 02	28,27	73	906A 158 84 BE	95,45	213
494 90 26 84 BE	36,87	142	701 90 40 84	198,60	144	814 03	28,27	73	906A 218 84 BE	80,41	213
495 01 18 84 BE	37,07	142	701 90 60 84	212,60	144	814 52	28,27	73	906A 236 84 BE	94,58	213
495 01 20 84	66,75	133	713 01 35	316,49	46	814 90	28,27	73	906A 258 84 BE	119,97	213
495 01 26 84 BE	37,09	142	713 01 70	316,83	46	870 AA BB 20 84	252,82	58	906A 318 84 BE	89,51	213
495 02 18 84 BE	42,29	142	713 02 35	325,98	46	870 AA BB 32 84	275,32	58	906A 336 84 BE	165,79	213
495 02 20 84	71,75	133	713 02 70	326,32	46	903 114	51,59	243	906A 418 84 BE	83,60	213
495 02 26 84 BE	42,32	142	713 52 35	325,98	46	903 114 84	56,13	243	906A 436 84 BE	166,53	213
495 03 18 84 BE	42,29	142	713 52 70	326,32	46	903 121	54,84	243	906B 118 84 BE	68,45	213
495 03 26 84 BE	42,32	142	713 90 35	325,98	46	903 121 84	59,27	243	906B 136 84 BE	79,90	213
495 05 18 84 BE	42,29	142	713 90 70	326,32	46	903 124	52,53	243	906B 158 84 BE	89,90	213
495 05 26 84 BE	42,32	142	713B 01 12 83	189,80	46	903 124 84	57,08	243	906B 218 84 BE	77,60	213
495 52 18 84 BE	42,29	142	713B 02 12 83	193,12	46	903 128	57,10	243	906B 236 84 BE	89,92	213
495 52 20 84	71,75	133	713B 52 12 83	193,12	46	903 128 84	61,78	243	906B 258 84 BE	116,48	213
495 52 26 84 BE	42,32	142	713B 90 12 83	193,12	46	903 135	59,43	243	906B 318 84 BE	86,50	213
495 90 18 84 BE	42,29	142	713Q 01 35	115,27	46	903 135 84	63,98	243	906B 336 84 BE	158,82	213
495 90 20 84	71,75	133	713Q 01 50	115,72	46	903 139	55,67	243	906B 418 84 BE	96,20	213
495 90 26 84 BE	42,32	142	713Q 01 60	126,17	46	903 139 84	60,22	243	906B 436 84 BE	147,90	213
540 58 1 12 3 85	383,11	322	713Q 01 75	121,99	46	903 149	59,77	243	906P 118 84 BE	83,36	214
540 58 1 25 3 85	437,83	322	713Q 02 35	118,72	46	903 149 84	64,61	243	906P 136 84 BE	115,20	214
540 58 2 25 3 85	588,70	322	713Q 02 50	118,72	46	903 154	57,55	243	906P 158 84 BE	126,89	214
540 58 2 50 3 85	651,07	322	713Q 02 60	129,95	46	903 154 84	62,10	243	906P 218 84 BE	92,90	214
540 58 3 40 3 85	747,91	322	713Q 02 75	125,64	46	903 180	65,71	243	906P 236 84 BE	124,72	214
540 58 3 80 3 85	861,80	322	713Q 52 35	118,72	46	903 180 84	70,25	243	906P 258 84 BE	144,59	214
541 58 1 10 3 R	391,93	323	713Q 52 50	118,72	46	903 214	54,89	243	906P 318 84 BE	118,11	214
541 58 1 15 3 B	396,33	323	713Q 52 60	129,95	46	903 214 84	63,98	243	906P 336 84 BE	219,71	214
541 58 1 15 3 G	396,33	323	713Q 52 75	125,64	46	903 221	65,87	243	906P 418 84 BE	107,36	214
541 58 1 20 3 R	455,45	323	713Q 90 35	118,72	46	903 221 84	74,95	243	906P 436 84 BE	214,76	214
541 58 1 30 3 B	464,25	323	713Q 90 50	118,72	46	903 224	63,36	243	906P65 118 84 BE	160,07	214
541 58 1 30 3 G	464,25	323	713Q 90 60	129,95	46	903 224 84	72,44	243	906P65 136 84 BE	223,62	214
541 58 2 20 3 R	606,31	323	713Q 90 75	125,64	46	903 228	67,75	243	906P65 158 84 BE	250,10	214
541 58 2 30 3 B	615,11	323	723 90 15 84	278,34	276	903 228 84	76,84	243	906P65 218 84 BE	174,62	214
541 58 2 30 3 G	615,11	323	723 90 70 84	269,83	276	903 235	69,95	243	906P65 236 84 BE	265,48	214
541 58 2 40 3 R	686,29	323	729 02 15 84	246,99	277	903 235 84	79,03	243	906P65 258 84 BE	279,34	214
541 58 2 60 3 B	703,89	323	729 02 70 84	242,02	277	903 239	66,50	243	906P65 318 84 BE	220,56	214
541 58 2 60 3 G	703,89	323	765 AA BB 13 84	84,20	94	903 239 84	75,58	243	906P65 336 84 BE	384,42	214
541 58 3 30 3 R	774,36	323	765 AA BB 25 84	95,60	94	903 249	70,57	243	906P65 418 84 BE	192,20	214
541 58 3 45 3 B	791,91	323	766 AA BB 13 84	167,30	94	903 249 84	79,65	243	906P65 436 84 BE	380,70	214
541 58 3 45 3 G	791,91	323	766 AA BB 25 84	191,10	94	903 254	69,01	243	906Q 118 84 BE	83,68	214
541 58 3 60 3 R	914,70	323	767 AA BB 13 84	251,80	95	903 254 84	78,06	243	906Q 136 84 BE	115,27	214
541 58 3 90 3 B	987,71	323	767 AA BB 25 84	286,60	95	903 280	97,86	243	906Q 158 84 BE	126,95	214
541 58 3 90 3 G	98,38	323	768 AA BB 13 84	336,20	95	903 280 84	106,84	243	906Q 218 84 BE	92,96	214
542 58 1 25 3 85 RGBW	652,61	410	768 AA BB 25 84	382,40	95	8904 118	18,22	242	906Q 236 84 BE	124,79	214
542 58 2 50 3 85 RGBW	871,16	410	800 18 83	39,90	72	8904 118 84	21,12	242	906Q 258 84 BE	144,99	214
542 58 3 80 3 85 RGBW	1072,62	410	800 18 83 SD	39,90	72	904 136	20,81	242	906Q 318 84 BE	118,17	214
543 58 1 12 3 85	401,24	306	801 24 83	46,90	72	904 136 84	23,64	242	906Q 336 84 BE	221,01	214
543 58 1 25 3 85	455,96	306	801 24 83 SD	46,90	72	904 158	28,32	242	906Q 418 84 BE	107,36	214
543 58 2 25 3 85	606,74	306	810 01	14,52	73	904 158 84	32,38	242	906Q 436 84 BE	215,90	214
543 58 2 50 3 85	669,20	306	810 02	27,91	73	904 218	23,70	242	906Q65 118 84 BE	160,10	214
543 58 3 40 3 85	766,04	306	810 03	27,91	73	904 218 84	29,48	242	906Q65 136 84 BE	223,65	214
543 58 3 80 3 85	879,22	306	810 52	27,91	73	904 236	33,61	242	906Q65 158 84 BE	250,12	214
544 58 1 12 3 85	383,11	309	810 90	27,91	73	904 236 84	39,40	242	906Q65 218 84 BE	174,65	214
544 58 1 25 3 85	437,83	309	811 01	17,81	73	904 258	47,70	242	906Q65 236 84 BE	265,50	214
544 58 2 25 3 85	588,61	309	811 02	34,79	73	904 258 84	55,39	242	906Q65 258 84 BE	279,36	214
544 58 2 50 3 85	651,07	309	811 03	34,79	73	8905 118	23,75	241	906Q65 318 84 BE	220,57	214
544 58 3 40 3 85	747,91	309	811 52	34,79	73	8905 118 84	27,27	241	906Q65 336 84 BE	384,44	214
544 58 3 80 3 85	861,80	309	811 90	34,79	73	905 136	29,71	241	906Q65 418 84 BE	220,77	214
544 58 3 80 3 85	866,90	309	812 01	21,42	73	905 136 84	32,51	241	906Q65 436 84 BE	380,72	214
546 58 1 12 3 85	388,21	309	812 02	38,41	73	905 158	38,67	241	906Z 118 84 BE	88,05	213
546 58 1 25 3 85	442,93	309	812 03	38,41	73	905 158 84	42,27	241	906Z 136 84 BE	103,19	213
546 58 2 25 3 85	593,71	309	812 52	38,41	73	905 218	27,97	241	906Z 158 84 BE	120,41	213
546 58 2 50 3 85	656,17	309	812 90	38,41	73	905 218 84	33,58	241	906Z 218 84 BE	98,01	213

Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
906Z 236 84 BE	117,45	213	963 02 05 83	220,80	281	1061L 10 70 07 83	126,50	48	1069 01 70	262,54	50
906Z 258 84 BE	148,29	213	963 90 05 83	220,80	281	1061L 10 90 07 83	126,50	48	1069 02 35	269,57	50
906Z 318 84 BE	110,71	213	964 01 05 83	270,50	281	1063 01 35	154,29	51	1069 02 70	270,41	50
906Z 336 84 BE	207,95	213	964 02 05 83	276,20	281	1063 01 50	154,34	51	1069 52 35	269,57	50
906Z 418 84 BE	109,78	213	964 90 05 83	276,20	281	1063 01 60	159,75	51	1069 52 70	270,41	50
906Z 436 84 BE	168,33	213	968 02	123,45	293	1063 01 75	155,73	51	1069 70 35	269,57	50
907 114	55,51	239	968 02 05 84	149,50	293	1063 02 35	158,91	51	1069 70 70	270,41	50
907 114 84	59,84	239	968 02 13 84	140,75	293	1063 02 50	158,97	51	1069 90 35	269,57	50
907 118 84 BE	33,06	238	968 02 18 84	140,76	293	1063 02 60	164,54	51	1069 90 70	270,41	50
907 118 BE	29,87	238	968 02 26 84	140,76	293	1063 02 75	160,40	51	1071L 10 01 07 83	152,40	48
907 124	61,10	239	970 01 05 83	72,20	257	1063 52 35	158,91	51	1071L 10 02 07 83	158,60	48
907 124 84	65,82	239	970 05 05 83	79,90	257	1063 52 50	158,97	51	1071L 10 52 07 83	158,60	48
907 128	64,94	239	970 52 05 83	79,90	257	1063 52 60	164,54	51	1071L 10 70 07 83	158,60	48
907 128 84	69,54	239	980 01	20,15	275	1063 52 75	160,40	51	1071L 10 90 07 83	158,60	48
907 135	73,62	239	980 02	20,15	275	1063 70 35	158,91	51	1073 01 35	191,37	49
907 135 84	78,22	239	981 01	15,02	275	1063 70 50	158,97	51	1073 01 50	191,47	49
907 136 84 BE	38,29	238	981 02	15,02	275	1063 70 60	164,54	51	1073 01 60	197,45	49
907 136 BE	35,20	238	982 01	27,62	275	1063 70 75	160,40	51	1073 01 75	193,43	49
907 149	73,62	239	982 02	27,62	275	1063 90 35	158,91	51	1073 02 35	197,11	49
907 149 84	78,24	239	983 01	15,83	275	1063 90 50	158,97	51	1073 02 50	197,21	49
907 154	64,91	239	983 02	15,83	275	1063 90 60	164,54	51	1073 02 60	203,37	49
907 154 84	69,52	239	990 01	8,22	274	1063 90 75	160,40	51	1073 02 75	199,23	49
907 158 84 BE	49,09	238	990 02	8,22	274	1063L 01 12 83	228,68	51	1073 52 35	197,11	49
907 158 BE	45,62	238	991 01	8,43	274	1063L 02 12 83	234,20	51	1073 52 50	197,21	49
907 180	73,61	239	991 02	8,43	274	1063L 52 12 83	234,20	51	1073 52 60	203,37	49
907 180 84	78,21	239	992 01	7,40	274	1063L 70 12 83	234,20	51	1073 52 75	199,23	49
907 20 85	79,52	238	992 02	7,40	274	1063L 90 12 83	234,20	51	1073 52 75	199,23	49
907 214	64,31	239	993 01	7,62	274	1064 01 35	276,50	51	1073 70 35	197,11	49
907 214 84	73,62	239	993 02	7,62	274	1064 01 70	276,65	51	1073 70 60	203,37	49
907 218 84 BE	41,13	238	1004 90 15 84	423,02	280	1064 02 35	284,79	51	1073 70 75	199,23	49
907 218 BE	35,62	238	1004 90 70 84	398,19	280	1064 02 70	284,94	51	1073 90 35	197,11	49
907 224	64,32	239	1005 00 B	29,80	282	1064 52 35	284,79	51	1073 90 50	197,21	49
907 224 84	73,62	239	1005 00 R	29,90	282	1064 52 70	284,94	51	1073 90 60	203,37	49
907 228	76,23	239	1005 00 W	29,20	282	1064 70 35	284,79	51	1073 90 75	199,23	49
907 228 84	85,50	239	1007 00 B	279,10	283	1064 70 70	284,94	51	1073L 01 12 83	265,77	49
907 235	87,81	239	1007 00 R	279,20	283	1064 90 35	284,79	51	1073L 02 12 83	272,40	49
907 235 84	97,04	239	1007 00 W	274,10	283	1064 90 70	284,94	51	1073L 52 12 83	272,40	49
907 236 84 BE	56,31	238	1012 00 A 84	506,96	258	1066L 10 01 07 83	109,20	47	1073L 70 12 83	272,40	49
907 236 BE	50,14	238	1012 00 S 84	514,17	258	1066L 10 02 07 83	112,60	47	1073L 90 12 83	272,40	49
907 249	87,84	239	1013 00 A 84	518,29	258	1066L 10 52 07 83	112,60	47	1074 01 35	297,46	49
907 249 84	97,03	239	1013 00 S 84	518,29	258	1066L 10 70 07 83	112,60	47	1074 01 70	298,65	49
907 254	76,24	239	1014 00 A 84	525,60	258	1066L 10 90 07 83	112,60	47	1074 02 35	306,38	49
907 254 84	85,55	239	1014 00 S 84	525,60	258	1068 01 35	133,15	50	1074 02 70	307,60	49
907 258 84 BE	74,71	238	1016 90 09 83	298,40	278	1068 01 50	133,17	50	1074 52 35	306,38	49
907 258 BE	67,77	238	1017 01	140,69	193	1068 01 60	139,25	50	1074 52 70	307,60	49
907 280	107,90	239	1017 02	142,96	193	1068 01 75	135,25	50	1074 70 35	306,38	49
907 280 84	117,27	239	1017 90	142,96	193	1068 02 35	137,14	50	1074 70 70	307,60	49
907 40 85	109,52	238	1018 01	280,98	193	1068 02 50	137,16	50	1074 90 35	306,38	49
907 60 85	137,64	238	1018 02	285,31	193	1068 02 60	143,42	50	1074 90 70	307,60	49
927 00 03	184,65	255	1018 90	285,31	193	1068 02 75	139,30	50	1201	20,60	190
929 00	109,31	255	1019 00 A 84	564,74	258	1068 52 35	137,14	50	1202	23,60	190
931 00	115,48	255	1019 00 S 84	564,74	258	1068 52 50	137,16	50	1203	25,60	190
931 00 03	190,18	255	1020 01	13,18	193	1068 52 60	143,42	50	1204	24,40	190
932 00 05 83	109,40	257	1020 02	13,49	193	1068 52 75	139,30	50	1205	40,20	190
936 00	29,77	273	1020 90	13,49	193	1068 70 35	137,14	50	1206	49,90	190
940 00	29,77	273	1021 01	8,85	193	1068 70 50	137,16	50	1226 84	129,20	220
940 00 08 85	135,39	273	1021 02	9,11	193	1068 70 60	143,42	50	1226P 84	152,29	221
949 58 04 85	77,90	265	1021 90	9,11	193	1068 70 75	139,30	50	1226P44 84	223,38	221
950 58 02 85	76,14	264	1022 01	50,26	193	1068 90 35	137,14	50	1226P65 84	305,24	221
951 00 05 85	145,35	263	1022 02	50,98	193	1068 90 50	137,16	50	1226Q 84	153,58	221
952 00 07 85	181,26	263	1022 90	50,98	193	1068 90 60	143,42	50	1226Q44 84	227,06	221
961 01 05 83	188,10	281	1023 01	7,04	193	1068 90 75	139,30	50	1226Q65 84	309,44	221
961 02 05 83	192,60	281	1023 02	7,04	193	1068L 01 12 83	207,60	50	1226Z 84	156,09	220
961 90 05 83	192,60	281	1024 01	21,54	193	1068L 02 12 83	212,40	50	1227 84	129,20	220
962 01 05 83	243,40	281	1024 02	21,54	193	1068L 52 12 83	212,40	50	1227P 84	152,29	221
962 02 05 83	247,60	281	1061L 10 01 07 83	120,60	48	1068L 70 12 83	212,40	50	1227P44 84	223,38	221
962 90 05 83	247,60	281	1061L 10 02 07 83	126,50	48	1068L 90 12 83	212,40	50	1227P65 84	305,24	221
963 01 05 83	215,50	281	1061L 10 52 07 83	126,50	48	1069 01 35	261,72	50	1227Q 84	153,58	221

Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
1227044 84	227.06	221	1236P 84	265.01	223	1244044 84	422.90	229	1254P 84	326.45	233
1227065 84	309.44	221	1236P44 84	349.41	223	1244065 84	573.49	229	1254P44 84	452.94	233
1227Z 84	156.09	220	1236P65 84	486.91	223	1244Z 84	277.56	228	1254P65 84	615.82	233
1228 84	154.19	220	1236Q 84	266.48	223	1245 84	219.14	228	1254Q 84	326.49	233
1228P 84	221.71	221	1236Q44 84	358.78	223	1245P 84	287.26	229	1254Q44 84	452.96	233
1228P44 84	311.09	221	1236Q65 84	486.94	223	1245P44 84	420.85	229	1254Q65 84	615.87	233
1228P65 84	412.89	221	1236Z 84	227.24	222	1245P65 84	572.22	229	1254Z 84	318.64	232
1228Q 84	222.40	221	1237 84	163.08	224	1245Q 84	285.92	229	1255 84	242.70	232
1228Q44 84	316.24	221	1237P 84	182.36	225	1245Q44 84	422.90	229	1255P 84	326.45	233
1228Q65 84	412.94	221	1237P44 84	241.00	225	1245Q65 84	573.49	229	1255P44 84	452.94	233
1228Z 84	187.61	220	1237P65 84	348.99	225	1245Z 84	277.56	228	1255P65 84	615.82	233
1229 84	205.48	220	1237Q 84	183.77	225	1246 84	184.91	228	1255Q 84	326.49	233
1229P 84	287.65	221	1237Q44 84	257.78	225	1246P 84	249.66	229	1255Q44 84	452.96	233
1229P44 84	404.25	221	1237Q65 84	349.09	225	1246P44 84	365.71	229	1255Q65 84	615.87	233
1229P65 84	507.82	221	1237Z 84	194.75	224	1246P65 84	487.38	229	1255Z 84	318.64	232
1229Q 84	288.10	221	1238 84	163.08	224	1246Q 84	249.95	229	1278 84	77.96	226
1229Q44 84	411.31	221	1238P 84	182.36	225	1246Q44 84	367.32	229	1278P 84	95.76	227
1229Q65 84	509.94	221	1238P44 84	241.00	225	1246Q65 84	488.85	229	1278P44 84	136.65	227
1229Z 84	248.86	220	1238P65 84	348.99	225	1246Z 84	238.62	228	1278P65 84	186.39	227
1230 84	205.48	220	1238Q 84	183.77	225	1247 84	240.71	228	1278Q 84	97.47	227
1230P 84	287.65	221	1238Q44 84	257.78	225	1247P 84	299.68	229	1278Q44 84	136.36	227
1230P44 84	404.25	221	1238Q65 84	349.09	225	1247P44 84	440.32	229	1278Q65 84	188.21	227
1230P65 84	507.82	221	1238Z 84	194.75	224	1247P65 84	585.23	229	1278Z 84	102.03	226
1230Q 84	288.10	221	1239 84	229.49	224	1247Q 84	399.86	229	1279 84	78.84	226
1230Q44 84	411.31	221	1239P 84	268.43	225	1247Q44 84	442.28	229	1279P 84	96.05	227
1230Q65 84	509.94	221	1239P44 84	354.76	225	1247Q65 84	586.31	229	1279P44 84	135.09	227
1230Z 84	248.86	220	1239P65 84	484.34	225	1247Z 84	315.21	228	1279P65 84	186.96	227
1231 84	154.19	220	1239Q 84	270.48	225	1248 84	154.25	230	1279Q 84	98.45	227
1231P 84	221.71	221	1239Q44 84	356.92	225	1248P 84	197.33	231	1279Q44 84	136.02	227
1231P44 84	311.09	221	1239Q65 84	484.44	225	1248P44 84	276.42	231	1279Q65 84	188.68	227
1231P65 84	412.89	221	1239Z 84	247.59	224	1248Q 84	197.43	231	1279Z 84	102.03	226
1231Q 84	222.40	221	1240 84	229.49	224	1248Q44 84	264.09	231	1280 84	89.86	226
1231Q44 84	325.65	221	1240P 84	268.43	225	1248Z 84	202.73	230	1280P 84	131.76	227
1231Q65 84	412.94	221	1240P44 84	354.76	225	1249 84	154.46	230	1280P44 84	187.75	227
1231Z 84	187.61	220	1240P65 84	484.34	225	1249P 84	197.33	231	1280P65 84	169.95	227
1232 84	231.38	220	1240Q 84	270.48	225	1249P44 84	276.42	231	1280Q 84	133.83	227
1232P 84	312.56	221	1240Q44 84	356.92	225	1249Q 84	197.43	231	1280Q44 84	186.99	227
1232P44 84	427.48	221	1240Q65 84	484.44	225	1249Q44 84	264.09	231	1280Q65 84	255.50	227
1232P65 84	516.24	221	1240Z 84	247.59	224	1249Z 84	202.73	230	1280Z 84	116.23	226
1232Q 84	313.81	221	1241 84	123.44	228	1250 84	200.80	230	1281 84	138.06	226
1232Q44 84	435.14	221	1241P 84	152.06	229	1250P 84	278.02	231	1281P 84	179.72	227
1232Q65 84	516.37	221	1241P44 84	225.18	229	1250P44 84	387.60	231	1281P44 84	255.94	227
1232Z 84	281.74	220	1241P65 84	309.98	229	1250Q 84	278.12	231	1281P65 84	344.20	227
1233 84	153.01	222	1241Q 84	153.18	229	1250Q44 84	369.13	231	1281Q 84	181.64	227
1233P 84	192.20	223	1241Q44 84	227.20	229	1250Z 84	263.24	230	1281Q44 84	254.79	227
1233P44 84	255.27	223	1241Q65 84	311.25	229	1251 84	200.80	230	1281Q65 84	344.73	227
1233P65 84	346.68	223	1241Z 84	161.83	228	1251P 84	278.02	231	1281Z 84	175.27	226
1233Q 84	194.44	223	1242 84	123.44	228	1251P44 84	387.60	231	1282 84	138.06	226
1233Q44 84	256.50	223	1242P 84	152.06	229	1251Q 84	278.12	231	1282P 84	179.72	227
1233Q65 84	346.86	223	1242P44 84	225.15	229	1251Q44 84	369.13	231	1282P44 84	255.94	227
1233Z 84	183.11	222	1242P65 84	309.98	229	1251Z 84	263.24	230	1282P65 84	344.20	227
1234 84	153.26	222	1242Q 84	153.18	229	1252 84	152.71	232	1282Q 84	181.64	227
1234P 84	192.33	223	1242Q44 84	227.20	229	1252P 84	207.43	233	1282Q44 84	254.79	227
1234P44 84	255.47	223	1242Q65 84	311.25	229	1252P44 84	287.57	233	1282Q65 84	344.73	227
1234P65 84	347.14	223	1242Z 84	161.83	228	1252P65 84	391.15	233	1282Z 84	175.27	226
1234Q 84	194.77	223	1243 84	142.25	228	1252Q 84	207.45	233	1283 84	116.46	226
1234Q44 84	256.60	223	1243P 84	209.15	229	1252Q44 84	287.59	233	1283P 84	157.35	227
1234Q65 84	347.16	223	1243P44 84	310.66	229	1252Q65 84	391.20	233	1283P44 84	219.71	227
1234Z 84	183.11	222	1243P65 84	423.10	229	1252Z 84	217.60	232	1283P65 84	292.71	227
1235 84	197.69	222	1243Q 84	210.18	229	1253 84	163.26	232	1283Q 84	159.56	227
1235P 84	265.01	223	1243Q44 84	311.94	229	1253P 84	207.43	233	1283Q44 84	220.59	227
1235P44 84	349.41	223	1243Q65 84	425.24	229	1253P44 84	287.57	233	1283Q65 84	293.76	227
1235P65 84	486.91	223	1243Z 84	181.42	228	1253P65 84	391.15	233	1283Z 84	151.24	226
1235Q 84	266.48	223	1244 84	219.14	228	1253Q 84	207.45	233	1284 84	151.85	226
1235Q44 84	358.78	223	1244P 84	284.44	229	1253Q44 84	287.59	233	1284P 84	189.62	227
1235Q65 84	486.94	223	1244P44 84	420.85	229	1253Q65 84	391.20	233	1284P44 84	264.95	227
1235Z 84	227.24	222	1244P65 84	572.22	229	1253Z 84	217.60	232	1284P65 84	352.64	227
1236 84	197.69	222	1244Q 84	285.92	229	1254 84	242.70	232	1284Q 84	189.84	227

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1284Q44 84	266,17	227	1305Q44 258 84 BE	261,67	217	2029	8,55	286	3068 90 50 45	173,34	26
1284Q65 84	353,57	227	1305Q44 318 84 BE	193,50	217	2050	33,89	64	3068 90 60 45	182,96	26
1284Z 84	197,86	226	1305Q44 336 84 BE	320,55	217	2051	45,23	64	3068 90 75 45	179,93	26
1305A 118 84 BE	91,55	216	1305Q44 418 84 BE	168,80	217	2052	56,54	64	3068L 01 12 83	243,38	26
1305A 136 84 BE	110,37	216	1305Q44 436 84 BE	317,25	217	2053	54,04	64	3068L 01 23 84	284,10	27
1305A 158 84 BE	126,47	216	1305Q65 118 84 BE	187,11	217	2060	92,51	64	3068L 02 12 83	247,70	26
1305A 218 84 BE	86,64	216	1305Q65 136 84 BE	257,80	217	2061	122,10	288	3068L 02 23 84	288,50	27
1305A 236 84 BE	98,55	216	1305Q65 158 84 BE	290,49	217	2061	122,10	290	3068L 52 12 83	247,70	26
1305A 258 84 BE	129,02	216	1305Q65 218 84 BE	183,56	217	2061	113,18	64	3068L 52 23 84	288,50	27
1305A 318 84 BE	111,17	216	1305Q65 236 84 BE	292,06	217	2080	38,20	286	3068L 90 12 83	247,70	26
1305A 336 84 BE	176,63	216	1305Q65 258 84 BE	337,83	217	2081	68,82	286	3068L 90 23 84	288,50	27
1305A 418 84 BE	104,60	216	1305Q65 318 84 BE	254,17	217	2082	125,32	286	3068R 01 35	366,26	26
1305A 436 84 BE	179,04	216	1305Q65 336 84 BE	415,87	217	2083	142,84	286	3068R 01 70	366,57	26
1305B 118 84 BE	91,02	216	1305Q65 418 84 BE	218,18	217	2088	8,29	285	3068R 02 35	370,59	26
1305B 136 84 BE	109,44	216	1305Q65 436 84 BE	415,38	217	2088	9,90	62	3068R 02 70	370,90	26
1305B 158 84 BE	125,26	216	1305Z 118 84 BE	109,56	216	2100 01 13	161,52	290	3068R 52 35	370,61	26
1305B 218 84 BE	85,07	216	1305Z 136 84 BE	130,33	216	2100 01 15	8295,79	290	3068R 52 70	370,92	26
1305B 236 84 BE	97,82	216	1305Z 158 84 BE	148,27	216	2101 01 13	151,10	290	3068R 90 35	370,63	26
1305B 258 84 BE	127,81	216	1305Z 218 84 BE	99,61	216	2101 01 15	197,46	290	3068R 90 70	370,94	26
1305B 318 84 BE	108,97	216	1305Z 236 84 BE	117,12	216	3000 01 09 84	78,90	138	3069 01 35 24	180,41	163
1305B 336 84 BE	175,77	216	1305Z 258 84 BE	150,98	216	3000 02 09 84	82,20	138	3069 01 50 45	180,43	163
1305B 418 84 BE	113,20	216	1305Z 318 84 BE	128,40	216	3000 52 09 84	82,20	138	3069 01 60 45	190,03	163
1305B 436 84 BE	180,89	216	1305Z 336 84 BE	208,82	216	3000 90 09 84	82,20	138	3069 01 75 45	187,00	163
1305P 118 84 BE	106,24	217	1305Z 418 84 BE	142,90	216	3001 01 13 84	59,90	139	3069 02 35 24	184,74	163
1305P 136 84 BE	141,41	217	1305Z 436 84 BE	214,06	216	3001 01 17 84	58,60	139	3069 02 50 45	184,76	163
1305P 158 84 BE	151,54	217	1401	20,60	182	3001 01 29 84	88,60	139	3069 02 60 45	194,36	163
1305P 218 84 BE	98,64	217	1402	20,60	182	3001 02 13 84	66,80	139	3069 02 75 45	191,33	163
1305P 236 84 BE	143,62	217	1403	20,60	182	3001 02 17 84	65,90	139	3069 52 35 24	184,74	163
1305P 258 84 BE	193,07	217	1405	26,80	182	3001 02 29 84	92,60	139	3069 52 50 45	184,76	163
1305P 318 84 BE	142,13	217	1406	34,70	182	3001 52 13 84	66,80	139	3069 52 60 45	194,36	163
1305P 336 84 BE	240,35	217	1501	20,60	190	3001 52 17 84	65,90	139	3069 52 75 45	191,33	163
1305P 418 84 BE	124,40	217	1502	23,60	190	3001 52 29 84	92,60	139	3069 90 35 24	184,74	163
1305P 436 84 BE	239,88	217	1503	25,60	190	3001 90 13 84	66,80	139	3069 90 50 45	184,76	163
1305P44 118 84 BE	142,31	217	1504	24,40	190	3001 90 17 84	65,90	139	3069 90 60 45	194,36	163
1305P44 136 84 BE	195,99	217	1505	40,20	190	3001 90 29 84	92,60	139	3069 90 75 45	191,33	163
1305P44 158 84 BE	221,60	217	1506	49,90	190	3003 01 13 84 M	76,80	140	3069L 01 12 83	264,80	163
1305P44 218 84 BE	135,77	217	2000 01 13	121,02	290	3003 01 29 84 M	94,60	140	3069L 01 23 84	284,10	163
1305P44 236 84 BE	200,01	217	2000 01 15	258,44	290	3003 01 31 84 M	105,60	140	3069L 02 12 83	276,50	163
1305P44 258 84 BE	274,68	217	2001 01 13	135,96	291	3003 02 13 84 M	84,20	140	3069L 02 23 84	288,50	163
1305P44 318 84 BE	193,40	217	2001 01 20	269,38	291	3003 02 29 84 M	102,90	140	3069L 52 12 83	276,50	163
1305P44 336 84 BE	320,52	217	2002 01 30	836,19	288	3003 02 31 84 M	115,40	140	3069L 52 23 84	288,50	163
1305P44 418 84 BE	174,80	217	2002 01 35	590,80	288	3003 52 13 84 M	84,20	140	3069L 90 12 83	276,50	163
1305P44 436 84 BE	333,09	217	2003 01 13	194,05	292	3003 52 29 84 M	102,90	140	3069L 90 23 84	288,50	163
1305P65 118 84 BE	186,95	217	2003 01 15	287,64	292	3003 52 31 84 M	115,40	140	3080	5,10	419
1305P65 136 84 BE	257,67	217	2005 01 83	57,72	63	3003 90 13 84 M	84,20	140	3081	15,20	419
1305P65 158 84 BE	290,35	217	2005 01 86	57,72	63	3003 90 29 84 M	102,90	140	3082	25,90	421
1305P65 218 84 BE	183,44	217	2006 01 83	87,72	63	3003 90 31 84 M	115,40	140	3083	30,60	421
1305P65 236 84 BE	292,03	217	2006 01 86	84,83	63	3061 23 83	49,90	420	3084	33,10	421
1305P65 258 84 BE	337,78	217	2007 01 83	134,81	63	3061 23 84	49,60	420	3085	44,90	421
1305P65 318 84 BE	254,13	217	2007 01 86	135,66	63	3061 23 85	49,50	420	3086	77,60	421
1305P65 336 84 BE	415,84	217	2008 01	87,72	63	3061 31 83	168,20	420	3098 118	24,56	242
1305P65 418 84 BE	218,20	217	2009 01	137,96	63	3061 31 84	167,80	420	3098 136	27,40	242
1305P65 436 84 BE	351,91	217	2012 01 83	77,85	284	3061 31 85	167,60	420	3098 158	29,50	242
1305Q 118 84 BE	107,55	217	2012 01 86	77,85	284	3064	219,90	282	3098 218	24,56	242
1305Q 136 84 BE	142,73	217	2013 01 83	106,56	284	30645	34,00	282	3098 236	27,40	242
1305Q 158 84 BE	153,75	217	2013 01 86	106,56	284	3068 01 35 24	168,98	26	3098 258	29,50	242
1305Q 218 84 BE	99,86	217	2014 01 83	159,12	284	3068 01 50 45	164,08	26	3099 118	49,10	242
1305Q 236 84 BE	144,86	217	2014 01 86	159,12	284	3068 01 60 45	175,51	26	3099 136	54,92	242
1305Q 258 84 BE	194,33	217	2015 01	116,28	284	3068 01 75 45	175,57	26	3099 158	59,00	242
1305Q 318 84 BE	143,46	217	2016 01	175,05	284	3068 02 35 24	173,30	26	3099 218	49,10	242
1305Q 336 84 BE	241,49	217	2017 01 83	127,67	63	3068 02 50 45	173,30	26	3099 236	54,92	242
1305Q 418 84 BE	126,20	217	2017 01 84	126,99	63	3068 02 60 45	182,92	26	3099 258	59,00	242
1305Q 436 84 BE	241,15	217	2020	2,59	64	3068 02 75 45	179,89	26	3100 114	15,90	243
1305Q44 118 84 BE	142,41	217	2021	2,40	64	3068 52 35 24	173,30	26	3100 121	17,80	243
1305Q44 136 84 BE	196,03	217	2022	2,59	64	3068 52 50 45	173,32	26	3100 128	18,90	243
1305Q44 158 84 BE	221,65	217	2023	2,40	64	3068 52 60 45	182,94	26	3100 135	19,90	243
1305Q44 218 84 BE	135,79	217	2024	2,59	64	3068 52 75 45	179,91	26	3100 214	15,90	243
1305Q44 236 84 BE	200,03	217	2026	6,78	286	3068 90 35 24	173,30	26	3100 221	17,80	243

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3100 228	18,90	243	3198 00 85	290,34	277	3350 58 70	352,69	379	3560 90 07 83	121,60	75
3100 235	19,90	243	3202 01	175,05	71	3353 58 10 85	623,20	350	3561 01 07 83	129,90	75
3101 114	31,80	243	3202 05	179,82	71	3353 58 30 85	462,65	350	3561 02 07 83	134,60	75
3101 121	35,60	243	3202 52	179,82	71	3353 58 50 85	498,75	350	3561 52 07 83	134,60	75
3101 128	37,80	243	3202 90	179,82	71	3353 58 70 85	515,85	350	3561 90 07 83	134,60	75
3101 135	39,80	243	3203 90 83	332,91	276	3356 58 10	383,25	380	3563 01 07 83	169,38	70
3101 214	31,80	243	3203 90 85	332,91	276	3356 58 15	396,58	380	3563 02 07 83	175,14	70
3101 221	35,60	243	3205 90 83	524,16	280	3356 58 25	411,01	380	3563 52 07 83	175,14	70
3101 228	37,80	243	3205 90 85	524,30	280	3356 58 50	381,48	380	3563 90 07 83	175,14	70
3101 235	39,80	243	3208	66,00	258	3356 58 70	382,20	380	3700 01 09 84	45,73	135
3136 01 3655 L	277,50	235	3209	66,00	258	3359 58 10	437,74	380	3700 01 14 84	59,87	135
3159 30 83	185,10	422	3210	66,00	258	3359 58 15	442,05	380	3700 02 09 84	51,34	135
3159 30 84	185,10	422	3280 12	269,10	64	3359 58 25	517,54	380	3700 02 14 84	64,48	135
3159 30 85	185,10	422	3280 15	297,09	64	3359 58 50	429,45	380	3701 01 09 84	47,20	136
3159 36 83	208,60	422	3280 30	84,15	64	3359 58 70	433,86	380	3701 01 14 84	60,34	136
3159 36 84	208,60	422	3280 40	129,78	64	3361 58 10 85	771,40	362	3701 02 09 84	52,81	136
3159 36 85	208,60	422	3291	23,60	426	3361 58 30 85	533,90	362	3701 02 14 84	65,95	136
3159 42 83	235,60	422	3292 83	29,75	419	3361 58 50 85	571,90	362	3702 01 09 84	48,90	136
3159 42 84	235,60	422	3292 84	29,75	419	3361 58 70 85	596,60	362	3702 01 14 84	62,04	136
3159 42 85	235,60	422	3293	19,90	419	3364 58 10	532,01	381	3702 02 09 84	54,52	136
3163 09 83	46,20	422	3300 58 15 5 85	824,70	368	3364 58 15	544,84	381	3702 02 14 84	67,66	136
3163 09 84	46,20	422	3300 58 30 5 85	1499,40	369	3364 58 25	559,23	381	3703 01 09 84	59,90	137
3163 09 85	46,20	422	3322 02 00	188,10	382	3364 58 50	529,74	381	3703 01 14 84	73,04	137
3163 15 83	73,50	422	3322 02 01	195,60	382	3364 58 70	530,46	381	3703 02 09 84	65,51	137
3163 15 84	73,50	422	3322 02 02	195,70	382	3367 58 10	586,00	381	3703 02 14 84	78,65	137
3163 15 85	73,50	422	3323 02 10 00	310,68	382	3367 58 15	590,31	381	4100 58 20 84	169,40	236
3163 20 83	99,90	422	3323 02 15 00	322,90	382	3367 58 25	666,85	381	4100 58 42 84	177,80	236
3163 20 84	99,90	422	3323 02 50 00	308,52	382	3367 58 50	577,71	381	4100 58 60 84	226,40	236
3163 20 85	99,90	422	3323 02 70 00	309,20	382	3367 58 70	582,12	381	4110 58 20 84	168,20	236
3163 25 83	127,00	422	3326 02 10 00	362,10	382	3369 58 10 85	821,75	364	4110 58 42 84	176,80	236
3163 25 84	127,00	422	3326 02 50 00	354,20	382	3369 58 30 85	667,80	364	4110 58 60 84	223,90	236
3163 25 85	127,00	422	3326 02 70 00	358,40	382	3369 58 50 85	705,85	364	4112 01 60 84	282,44	200
3163 32 83	139,80	422	3330 02 10 85 00	569,50	370	3369 58 70 85	724,80	364	4112 02 60 84	286,28	200
3163 32 84	139,80	422	3330 02 30 85 00	418,30	370	3370 58 10 85	587,70	340	4112 52 60 84	286,28	200
3163 32 85	139,80	422	3330 02 50 85 00	490,20	370	3370 58 15 85	658,20	340	4112 90 60 84	286,28	200
3170 83	19,60	419	3330 02 70 85 00	531,14	370	3370 58 20 85	738,20	340	4114 01 60 84	292,48	202
3170 85	19,60	419	3335 02 00	292,60	383	3370 58 30 85	459,90	340	4114 02 60 84	296,24	202
3171 83	26,50	420	3335 02 01	300,70	383	3370 58 50 85	479,90	340	4114 52 60 84	296,24	202
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3172 01 29 84	110,60	141	3336 02 10 00	398,78	383	3374	29,90	419	4125 01 08 85	104,04	312
3172 01 50 84	199,90	141	3336 02 15 00	411,00	383	3375	38,90	419	4125 01 16 85	122,58	312
3172 02 29 84	120,60	141	3336 02 25 00	424,74	383	3376	30,33	419	4125 01 25 85	127,65	312
3172 02 50 84	209,80	141	3336 02 50 00	396,62	383	3380 58 25 85	384,90	338	4125 01 50 85	163,98	312
3172 52 29 84	120,60	141	3336 02 70 00	397,30	383	3380 58 50 85	414,90	338	4125 02 08 85	105,48	312
3172 52 50 84	209,80	141	3339 02 10 00	450,20	383	3380 58 75 85	473,90	338	4125 02 16 85	124,29	312
3172 90 29 84	120,60	141	3339 02 50 00	442,30	383	3410 10 85	390,92	376	4125 02 25 85	128,88	312
3172 90 50 84	209,80	141	3339 02 70 00	446,50	383	3410 30 85	254,26	376	4125 02 50 85	165,78	312
3175	9,90	426	3341 02 10 85 00	673,20	374	3410 50 85	340,10	376	4125 58 08 85	105,48	312
3176	12,80	426	3341 02 10 85 02	730,60	374	3410 70 85	358,80	376	4125 58 16 85	124,29	312
3177	16,42	426	3341 02 10 85 03	730,60	374	3411 10 85	399,90	376	4125 58 25 85	128,88	312
3178	30,80	426	3341 02 30 85 00	557,65	374	3411 50 85	341,60	376	4125 58 50 85	165,78	312
3179	11,70	426	3341 02 30 85 02	566,20	374	3411 70 85	373,10	376	4126 01 50 85 4500	498,60	404
3181	89,60	426	3341 02 30 85 03	566,20	374	3412 10 85	488,22	377	4126 01 50 85 4501	568,75	404
3185	37,20	426	3341 02 50 85 00	591,85	374	3412 30 85	292,10	377	4126 01 50 85 4502	546,87	404
3186	37,20	426	3341 02 50 85 02	604,20	374	3412 50 85	322,40	377	4126 01 50 85 4503	682,60	404
3187	11,70	426	3341 02 50 85 03	604,20	374	3412 70 85	333,40	377	4126 02 50 85 4500	499,90	404
3188	28,80	426	3341 02 70 85 00	607,05	374	3413 10 85	517,50	377	4126 02 50 85 4501	569,90	404
3189	37,20	426	3341 02 70 85 02	628,90	374	3413 30 85	292,60	377	4126 02 50 85 4502	547,90	404
3190	45,90	426	3341 02 70 85 03	628,90	374	3413 50 85	372,20	377	4126 02 50 85 4503	683,70	404
3191	71,10	426	3347 58 10	302,58	379	3413 70 85	390,80	377	4126 58 50 85 4500	499,90	404
3192	71,10	426	3347 58 15	315,42	379	3414 10 85	517,50	377	4126 58 50 85 4501	569,90	404
3193	89,80	426	3347 58 25	329,84	379	3414 30 85	293,20	377	4126 58 50 85 4502	547,90	404
3194	126,20	426	3347 58 50	300,32	379	3414 50 85	371,20	377	4126 58 50 85 4503	683,70	404
3195 00 83	568,20	258	3347 58 70	301,03	379	3414 70 85	390,80	377	4128 58 50 85	220,09	166
3195 00 85	568,20	258	3350 58 10	356,58	379	3420	9,60	417	4128 01 08 85	152,30	166
3196 00 83	633,50	258	3350 58 15	360,88	379	3560 01 07 83	113,10	75	4128 01 16 85	172,90	166
3196 00 85	633,50	258	3350 58 25	436,38	379	3560 02 07 83	121,60	75	4128 01 25 85	178,54	166
3198 00 83	290,34	277	3350 58 50	348,28	379	3560 52 07 83	121,60	75	4128 01 50 85	218,90	166

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4128 02 08 85	153,90	166	4179 58 25 85	221,00	358	4216 52 84	196,60	206	4225 02 84	210,24	41
4128 02 16 85	174,80	166	4179 58 50 85	259,20	358	4216 90 60 84	343,18	206	4225 26 01 84	208,44	41
4128 02 25 85	179,90	166	4181 01 84	192,40	37	4216 90 84	196,60	206	4225 26 02 84	212,76	41
4128 02 50 85	220,09	166	4181 02 84	194,80	37	4217 01 84	378,40	207	4225 26 52 84	212,76	41
4128 58 08 85	153,90	166	4181 52 84	194,80	37	4217 02 84	380,12	207	4225 26 90 84	212,76	41
4128 58 16 85	174,80	166	4181 90 84	194,80	37	4217 52 84	380,12	207	4225 52 84	210,24	41
4128 58 25 85	179,90	166	4182 01 84	312,80	38	4217 90 84	380,12	207	4225 90 84	210,24	41
4145 01 10	65,90	148	4182 02 84	314,60	38	4218 01 84	206,40	37	4226 01 84	75,00	127
4145 01 10M	65,34	148	4182 52 84	314,60	38	4218 02 84	208,40	37	4226 02 84	79,60	127
4145 01 20	71,82	148	4182 90 84	314,60	38	4218 52 84	208,40	37	4226 03 84	106,20	127
4145 01 20M	71,64	148	4190 58 30 85	449,80	354	4218 90 84	208,40	37	4226 05 84	106,20	127
4145 01 31	74,88	148	4190 58 40 85	469,90	354	4219 01 84	351,80	38	4226 52 84	79,60	127
4145 01 31M	74,79	148	4190 58 60 85	528,60	354	4219 02 84	354,60	38	4226 57 84	106,20	127
4145 01 41	83,97	148	4191 58 30 85	469,40	355	4219 52 84	354,60	38	4226 90 84	79,60	127
4145 52 10	71,82	148	4191 58 40 85	489,20	355	4219 90 84	354,60	38	4227 01 20 84	105,60	124
4145 52 10M	71,64	148	4191 58 60 85	569,90	355	4220 01 20 84	91,90	120	4227 01 20 84 IP65	120,80	261
4145 52 20	77,58	148	4204 01 84	129,20	69	4220 01 84	82,90	120	4227 01 30 84	158,10	124
4145 52 20M	77,49	148	4204 02 84	135,90	69	4220 02 20 84	101,60	120	4227 01 30 84 IP65	173,30	261
4145 52 31	80,82	148	4204 20 01 84	139,40	69	4220 02 84	90,30	120	4227 01 40 84	186,20	125
4145 52 31M	80,73	148	4204 20 02 84	145,80	69	4220 03 20 84	131,60	120	4227 01 40 84 IP65	201,40	261
4145 52 41	89,82	148	4204 20 52 84	145,80	69	4220 03 84	118,80	120	4227 01 60 84	199,90	125
4145 90 10	71,82	148	4204 20 90 84	145,80	69	4220 05 20 84	119,90	120	4227 01 60 84 IP65	215,10	261
4145 90 10M	71,64	148	4204 52 84	135,90	69	4220 05 84	106,50	120	4227 01 65 84	208,60	126
4145 90 20	77,58	148	4204 90 84	135,90	69	4220 52 20 84	101,60	120	4227 01 65 84 IP65	223,80	262
4145 90 20M	77,49	148	4206 01 84	56,70	128	4220 52 84	89,90	120	4227 02 20 84	107,40	124
4145 90 31	80,82	148	4206 02 84	59,90	128	4220 57 20 84	122,60	120	4227 02 20 84 IP65	122,60	261
4145 90 31M	80,73	148	4206 03 84	69,90	128	4220 57 84	109,90	120	4227 02 30 84	159,90	124
4145 90 41	89,82	148	4206 05 84	69,90	128	4220 90 20 84	101,60	120	4227 02 30 84 IP65	175,10	261
4147 01 10	81,81	151	4206 52 84	62,90	128	4220 90 84	90,30	120	4227 02 40 84	188,40	125
4147 01 10M	81,63	151	4206 57 84	69,90	128	4221 01 20 84	136,80	120	4227 02 40 84 IP65	203,60	261
4147 01 20	86,76	151	4206 90 84	62,90	128	4221 01 84	124,40	120	4227 02 60 84	202,10	125
4147 01 20M	86,67	151	4207 01 84	128,70	128	4221 02 20 84	139,52	120	4227 02 60 84 IP65	217,30	261
4147 01 31	90,36	151	4207 02 84	132,60	128	4221 02 84	128,90	120	4227 02 65 84	211,20	126
4147 01 31M	90,18	151	4207 52 84	132,60	128	4221 52 20 84	139,52	120	4227 02 65 84 IP65	226,40	262
4147 01 41	99,36	151	4207 90 84	132,60	128	4221 52 84	128,90	120	4227 03 20 84	131,60	124
4147 52 10	87,84	151	4208 01 84	141,70	42	4221 90 20 84	139,52	120	4227 03 30 84	184,10	124
4147 52 10M	87,75	151	4208 02 84	146,52	42	4221 90 84	128,90	120	4227 03 40 84	212,20	125
4147 52 20	92,34	151	4208 52 84	146,52	42	4222 01 84	156,60	40	4227 03 60 84	226,80	125
4147 52 20M	92,25	151	4208 90 84	146,52	42	4222 02 84	160,50	40	4227 03 65 84	235,40	126
4147 52 31	96,66	151	4210 01 84	191,40	37	4222 20 01 84	161,90	40	4227 03 65 84 IP65	250,60	262
4147 52 31M	96,57	151	4210 02 84	195,90	37	4222 20 02 84	167,00	40	4227 05 20 84	115,90	124
4147 52 41	105,39	151	4210 52 84	195,90	37	4222 20 52 84	167,00	40	4227 05 30 84	168,40	124
4147 90 10	87,84	151	4210 90 84	195,90	37	4222 20 90 84	167,00	40	4227 05 40 84	196,90	125
4147 90 10M	87,75	151	4211 01 84	409,30	38	4222 52 84	160,50	40	4227 05 60 84	210,40	125
4147 90 20	92,34	151	4211 02 84	411,20	38	4222 90 84	160,50	40	4227 05 65 84	219,80	126
4147 90 20M	92,25	151	4211 52 84	411,20	38	4223 01 84	109,60	122	4227 05 65 84 IP65	235,00	262
4147 90 31	96,66	151	4211 90 84	411,20	38	4223 02 84	115,60	122	4227 33 20 84	107,40	124
4147 90 31M	96,57	151	4212 01 84	152,20	200	4223 03 84	168,80	122	4227 33 20 84 IP65	122,60	261
4147 90 41	105,39	151	4212 02 84	156,80	200	4223 05 84	149,80	122	4227 33 30 84	159,90	124
4161 83	64,80	420	4212 52 84	156,80	200	4223 26 01 84	119,60	122	4227 33 30 84 IP65	175,10	261
4161 84	64,80	420	4212 90 84	156,80	200	4223 26 02 84	126,20	122	4227 33 40 84	188,40	125
4162 83	70,90	420	4213 01 84	349,90	201	4223 26 03 84	178,90	122	4227 33 40 84 IP65	203,60	261
4162 84	70,90	420	4213 02 84	354,90	201	4223 26 05 84	159,10	122	4227 33 60 84	202,10	125
4165 58 20 85	255,40	356	4213 52 84	354,90	201	4223 26 52 84	126,20	122	4227 33 60 84 IP65	217,30	261
4165 58 42 85	284,90	356	4213 90 84	354,90	201	4223 26 57 84	168,60	122	4227 33 65 84	211,20	126
4165 58 60 85	308,90	356	4214 01 84	162,12	202	4223 26 90 84	126,20	122	4227 33 65 84 IP65	226,40	262
4174 58 10 85	558,40	348	4214 02 84	165,91	202	4223 52 84	115,60	122	4227 52 20 84	107,40	124
4174 58 15 85	698,20	348	4214 52 84	165,91	202	4223 57 84	149,80	122	4227 52 20 84 IP65	122,60	261
4174 58 20 85	798,80	348	4214 90 84	165,91	202	4223 90 84	115,60	122	4227 52 30 84	159,90	124
4174 58 25 85	1020,82	348	4215 01 84	354,24	203	4224 01 84	165,60	122	4227 52 30 84 IP65	175,10	261
4174 58 40 85	518,80	348	4215 02 84	356,80	203	4224 02 84	168,80	122	4227 52 40 84	188,40	125
4177 58 16 85	388,95	360	4215 52 84	356,80	203	4224 26 01 84	168,20	122	4227 52 40 84 IP65	203,60	261
4177 58 25 85	399,90	360	4215 90 84	356,80	203	4224 26 02 84	169,90	122	4227 52 60 84	202,10	125
4177 58 50 85	485,70	360	4216 01 60 84	339,20	206	4224 26 52 84	169,90	122	4227 52 60 84 IP65	217,30	261
4178 58 16 85	530,80	361	4216 01 84	194,20	206	4224 26 90 84	169,90	122	4227 52 65 84	211,20	126
4178 58 25 85	545,60	361	4216 02 60 84	343,18	206	4224 52 84	168,80	122	4227 52 65 84 IP65	226,40	262
4178 58 50 85	665,80	361	4216 02 84	196,60	206	4224 90 84	168,80	122	4227 55 20 84	107,40	124
4179 58 16 85	216,50	358	4216 52 60 84	343,18	206	4225 01 84	206,80	41	4227 55 30 84	159,90	124

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4227 55 40 84	188,40	125	4235 01	27,40	194	4260 52 20 84	189,20	272	4296 05 33 84	29,80	129
4227 55 60 84	202,10	125	4235 02	28,60	194	4260 52 84	174,90	272	4296 05 52 84	26,80	129
4227 55 65 84	211,20	126	4235 90	28,60	194	4260 90 20 84	189,20	272	4296 05 55 84	29,80	129
4227 55 65 84 IP65	226,40	262	4236 01	27,40	194	4260 90 84	174,90	272	4296 05 57 84	29,80	129
4227 57 20 84	131,60	124	4236 02	28,60	194	4268 01 40 84	159,84	204	4296 05 80 84	29,80	129
4227 57 30 84	184,10	124	4236 90	28,60	194	4269 01 40 84	168,90	204	4296 05 90 84	26,80	129
4227 57 40 84	212,20	125	4237 01	27,40	194	4270 01 84	153,90	200	4296 08 01 84	26,80	129
4227 57 60 84	226,80	125	4237 02	28,60	194	4270 02 84	157,20	200	4296 08 02 84	28,00	129
4227 57 65 84	235,40	126	4237 90	28,60	194	4270 52 84	157,20	200	4296 08 03 84	32,50	129
4227 57 65 84 IP65	250,60	262	4238 01	27,40	194	4270 90 84	157,20	200	4296 08 05 84	32,50	129
4227 80 20 84	131,60	124	4238 02	28,60	194	4271 01 84	167,66	200	4296 08 33 84	32,50	129
4227 80 30 84	184,10	124	4238 90	28,60	194	4271 02 84	171,58	200	4296 08 52 84	28,00	129
4227 80 40 84	212,20	125	4239 01	27,40	194	4271 52 84	171,58	200	4296 08 55 84	32,50	129
4227 80 60 84	226,80	125	4239 02	28,60	194	4271 90 84	171,58	200	4296 08 57 84	32,50	129
4227 80 65 84	235,40	126	4239 90	28,60	194	4272 01 84	252,90	201	4296 08 80 84	32,50	129
4227 80 65 84 IP65	250,60	262	4241 01	27,40	195	4272 02 84	254,60	201	4296 08 90 84	28,00	129
4227 90 20 84	107,40	124	4241 02	28,60	195	4272 52 84	254,60	201	4297 08 01 84	43,30	130
4227 90 20 84 IP65	122,60	261	4241 90	28,60	195	4272 90 84	254,60	201	4297 08 02 84	46,30	130
4227 90 30 84	159,90	124	4242 01	27,40	195	4273 01 84	292,88	201	4297 08 03 84	51,40	130
4227 90 30 84 IP65	175,10	261	4242 02	28,60	195	4273 02 84	294,40	201	4297 08 05 84	51,40	130
4227 90 40 84	188,40	125	4242 90	28,60	195	4273 52 84	294,40	201	4297 08 33 84	51,40	130
4227 90 40 84 IP65	203,40	261	4243 01	27,40	195	4273 90 84	294,40	201	4297 08 52 84	46,30	130
4227 90 60 84	202,10	125	4243 02	28,60	195	4274 01 84	161,20	202	4297 08 55 84	51,40	130
4227 90 60 84 IP65	217,30	261	4243 90	28,60	195	4274 02 84	164,60	202	4297 08 57 84	51,40	130
4227 90 65 84	211,20	126	4245 01	27,40	195	4274 52 84	164,60	202	4297 08 80 84	51,40	130
4227 90 65 84 IP65	226,40	262	4245 02	28,60	195	4274 90 84	164,60	202	4297 08 90 84	46,30	130
4228 01 60 85 4500	466,80	402	4245 90	28,60	195	4275 01 84	177,42	202	4300	301,96	65
4228 01 60 85 4501	479,40	402	4246 01	27,40	195	4275 02 84	179,48	202	4300C	335,52	287
4228 01 60 85 4502	479,52	403	4246 02	28,60	195	4275 52 84	179,48	202	4300C	221,60	287
4228 02 60 85 4500	472,28	402	4246 90	28,60	195	4275 90 84	178,48	202	4300C	199,44	65
4228 02 60 85 4501	484,60	402	4247 01	27,40	195	4276 01 84	254,60	203	4302	330,00	287
4228 02 60 85 4502	484,72	403	4247 02	28,60	195	4276 02 84	256,10	203	4302	297,00	65
4228 03 60 85 4500	499,80	402	4247 90	28,60	195	4276 52 84	256,10	203	4302A	149,80	287
4228 03 60 85 4501	511,60	402	4248 01	27,40	195	4276 90 84	256,10	203	4302A	134,82	65
4228 03 60 85 4502	511,72	403	4248 02	28,60	195	4277 01 84	296,20	203	4302R	194,80	287
4228 05 60 85 4500	479,20	402	4248 90	28,60	195	4277 02 84	298,80	203	4302R	175,32	65
4228 05 60 85 4501	484,88	402	4249 01	27,40	194	4277 52 84	298,80	203	4310 01 84	168,44	68
4228 05 60 85 4502	485,00	403	4249 02	28,60	194	4277 90 84	298,80	203	4310 02 84	172,22	68
4228 33 60 85 4500	472,28	402	4249 90	28,60	194	4278 01 84	172,40	206	4310 52 84	172,22	68
4228 33 60 85 4501	484,60	402	4250 01 84	87,20	132	4278 02 84	174,62	206	4310 90 84	172,22	68
4228 33 60 85 4502	484,72	403	4250 02 84	98,90	132	4278 52 84	174,62	206	4311 01 84	134,80	68
4228 52 60 85 4500	472,28	402	4250 03 84	119,90	132	4278 90 84	174,62	206	4311 02 84	138,90	68
4228 52 60 85 4501	484,60	402	4250 05 84	118,60	132	4279 01 84	186,82	206	4311 52 84	138,90	68
4228 52 60 85 4502	484,72	403	4250 52 84	98,90	132	4279 02 84	188,89	206	4311 90 84	138,90	68
4228 55 60 85 4500	472,28	402	4250 57 84	119,80	132	4279 52 84	188,89	206	4312 01 84	99,90	66
4228 55 60 85 4501	484,60	402	4250 90 84	98,90	132	4279 90 84	188,89	206	4312 02 84	103,60	66
4228 55 60 85 4502	484,72	403	4251 08 01 84	42,20	131	4280 01 84	297,65	207	4312 52 84	103,60	66
4228 57 60 85 4500	472,28	402	4251 08 02 84	45,30	131	4280 02 84	299,09	207	4312 90 84	103,60	66
4228 57 60 85 4501	484,60	402	4251 08 03 84	50,40	131	4280 52 84	299,09	207	4314 01 84	128,70	66
4228 57 60 85 4502	484,72	403	4251 08 05 84	50,40	131	4280 90 84	299,09	207	4314 02 84	131,42	66
4228 80 60 85 4500	499,80	402	4251 08 33 84	50,40	131	4281 01 84	338,18	207	4314 52 84	131,42	66
4228 80 60 85 4501	511,60	402	4251 08 52 84	45,30	131	4281 02 84	340,18	207	4314 90 84	131,42	66
4228 80 60 85 4502	511,72	403	4251 08 55 84	45,30	131	4281 52 84	340,18	207	4316 01 84	146,78	67
4228 90 60 85 4500	472,28	402	4251 08 57 84	45,30	131	4281 90 84	340,18	207	4316 02 84	149,64	67
4228 90 60 85 4501	484,60	402	4251 08 80 84	45,30	131	4290 58 10 85	457,70	300	4316 52 84	149,64	67
4228 90 60 85 4502	484,72	403	4251 08 90 84	45,30	131	4290 58 15 85	584,20	300	4316 90 84	149,64	67
4231 01	27,40	194	4252 01 84	184,32	43	4290 58 20 85	698,60	300	4324 58 10 85	999,60	344
4231 02	28,60	194	4252 02 84	188,64	43	4290 58 25 85	915,80	300	4324 58 15 85	1242,20	344
4231 90	28,60	194	4252 52 84	188,64	43	4290 58 40 85	427,50	300	4324 58 20 85	1480,20	344
4232 01	27,40	194	4252 90 84	188,64	43	4291 58 10 85	503,20	324	4324 58 60 85	930,90	344
4232 02	28,60	194	4253 01 84	159,90	132	4291 58 15 85	634,60	324	4326 58 10 85	1498,60	345
4232 90	28,60	194	4253 02 84	161,40	132	4291 58 20 85	752,40	324	4326 58 15 85	1692,80	345
4233 01	27,40	194	4253 52 84	161,40	132	4291 58 25 85	965,80	324	4326 58 20 85	1996,20	345
4233 02	28,60	194	4253 90 84	161,40	132	4291 58 40 85	477,30	324	4326 58 60 85	1428,20	345
4233 90	28,60	194	4260 01 20 84	184,20	272	4296 05 01 84	23,80	129	4328 58 10 85	510,64	342
4234 01	27,40	194	4260 01 84	172,70	272	4296 05 02 84	26,80	129	4328 58 15 85	598,80	342
4234 02	28,60	194	4260 02 20 84	189,20	272	4296 05 03 84	29,80	129	4328 58 20 85	720,00	342
4234 90	28,60	194	4260 02 84	174,90	272	4296 05 05 84	29,80	129	4328 58 60 85	480,20	342



Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
4330 01 10 85	437,60	314	4601 52 10 85	64,71	153	5001 01 26 G	18,00	85	5120 00 10 B	16,80	268
4330 01 15 85	564,10	314	4601 52 10 85 M	64,75	153	5001 01 26 R	18,00	161	5120 00 10 G	16,80	268
4330 01 20 85	688,80	314	4601 52 20 85	68,04	153	5001 01 26 R	18,00	85	5120 00 10 R	16,80	268
04330 01 60 85	436,40	314	4601 52 20 85 M	68,08	153	5001 01 31 84	218,50	19	5130 00 06 84	349,90	269
4330 02 10 85	439,20	314	4601 52 30 85	70,74	153	5001 01 31 B	21,00	161	5130 00 06 B	9,90	269
4330 02 15 85	566,80	314	4601 52 30 85 M	70,78	153	5001 01 31 B	21,00	85	5130 00 06 G	9,90	269
4330 02 20 85	689,90	314	4601 52 40 85	79,11	153	5001 01 31 G	21,00	161	5130 00 06 R	9,90	269
4330 02 60 85	438,10	314	4601 52 40 85 M	79,15	153	5001 01 31 G	21,00	85	5130 00 10 84	367,90	269
4330 58 10 85	439,20	314	4601 90 10 85	64,71	153	5001 01 31 R	21,00	161	5130 00 10 B	16,80	269
4330 58 15 85	566,80	314	4601 90 10 85 M	64,75	153	5001 01 31 R	21,00	85	5130 00 10 G	16,80	269
4330 58 20 85	689,90	314	4601 90 20 85	68,04	153	5001 02 13 84	194,10	18	5130 00 10 R	16,80	269
4330 58 60 85	438,10	314	4601 90 20 85 M	68,08	153	5001 02 26 84	204,60	18	5140 00 07 84	370,20	269
4400 58 15 0 85	720,10	302	4601 90 30 85	70,74	153	5001 02 31 84	223,20	19	5140 00 07 B	12,20	269
4400 58 30 0 85	1190,00	303	4601 90 30 85 M	70,78	153	5001 52 13 84	194,10	18	5140 00 07 G	12,20	269
4400 58 45 0 85	1725,20	304	4601 90 40 85	79,11	153	5001 52 26 84	204,60	18	05140 00 07 R	12,20	269
4400 58 60 0 85	2295,12	305	4601 90 40 85 M	79,15	153	5001 52 31 84	223,20	19	5150 00 20 84	547,32	270
4500	335,52	403	4700 01 10 85	609,20	326	5001 90 13 84	194,10	18	5150 00 20 B	34,90	270
4501	280,90	403	4700 01 15 85	793,15	326	5001 90 26 84	204,60	18	5150 00 20 G	34,90	270
4502	330,00	403	4700 01 20 85	927,60	326	5001 90 31 84	223,20	19	5150 00 20 R	34,90	270
4503	595,90	405	4700 02 10 85	611,10	326	5002 01 13 84	225,20	84	5150 00 30 84	589,90	270
4600 01 10 85	56,88	152	4700 02 15 85	795,90	326	5002 01 26 84	235,40	84	5150 00 30 B	69,90	270
4600 01 10 85 M	56,92	152	4700 02 20 85	929,60	326	5002 01 31 84	254,80	85	5150 00 30 G	69,90	270
4600 01 20 85	60,21	152	4700 58 10 85	611,10	326	5002 02 13 84	229,60	84	5150 00 30 R	69,90	270
4600 01 20 85 M	60,25	152	4700 58 15 85	795,90	326	5002 02 26 84	239,60	84	5160 00 18 84	578,10	271
4600 01 30 85	62,91	152	4700 58 20 85	929,60	326	5002 02 31 84	259,10	85	5160 00 18 B	31,42	271
4600 01 30 85 M	62,95	152	4701 01 10 85	659,80	326	5002 52 13 84	229,60	84	5160 00 18 G	31,42	271
4600 01 40 85	70,74	152	4701 01 15 85	843,20	326	5002 52 26 84	239,60	84	5160 00 18 R	31,42	271
4600 01 40 85 M	66,28	152	4701 01 20 85	977,50	326	5002 52 31 84	259,10	85	5160 00 30 84	630,20	271
4600 02 10 85	59,31	152	4701 02 10 85	661,20	326	5002 90 13 84	229,60	84	5160 00 30 B	69,90	271
4600 02 10 85 M	59,35	152	4701 02 15 85	845,60	326	5002 90 26 84	239,60	84	5160 00 30 G	69,90	271
4600 02 20 85	62,64	152	4701 02 20 85	979,80	326	5002 90 31 84	259,10	85	5160 00 30 R	69,90	271
4600 02 20 85 M	62,68	152	4701 58 10 85	661,20	326	5005 01 5 84	158,78	16	5170 00 20 84	653,50	271
4600 02 30 85	65,34	152	4701 58 15 85	845,60	326	5005 01 9 84	169,82	16	5170 00 20 B	34,90	271
4600 02 30 85 M	65,38	152	4701 58 20 85	979,80	326	5005 02 5 84	163,84	16	5170 00 20 G	34,90	271
4600 02 40 85	72,81	152	4702 01 10 85	579,20	327	5005 02 9 84	174,12	16	5170 00 20 R	34,90	271
4600 52 10 85	59,31	152	4702 01 15 85	763,10	327	5005 52 5 84	163,84	16	5180 00 22 84	599,90	270
4600 52 10 85 M	59,35	152	4702 01 20 85	897,60	327	5005 52 9 84	174,12	16	5180 00 22 B	36,90	270
4600 52 20 85	62,64	152	4702 02 10 85	581,50	327	5005 90 5 84	163,84	16	5180 00 22 G	36,90	270
4600 52 20 85 M	62,68	152	4702 02 15 85	765,80	327	5005 90 9 84	174,12	16	5180 00 22 R	36,90	270
4600 52 30 85	65,34	152	4702 02 20 85	899,50	327	5006 01 5 84	187,42	83	5300 58 15 0 85	684,90	316
4600 52 30 85 M	65,38	152	4702 58 10 85	581,50	327	5006 01 9 84	198,20	83	5300 58 30 0 85	1197,10	317
4600 52 40 85	72,81	152	4702 58 15 85	765,80	327	5006 02 5 84	188,98	83	5300 58 45 0 85	1888,38	318
4600 52 40 85 M	72,85	152	4702 58 20 85	899,50	327	5006 02 9 84	199,84	83	5301 58 45 0 85	1888,38	318
4600 52 40 85 M	72,85	152	4915 01 27 84	150,90	208	5006 52 5 84	188,98	83	5301 58 60 0 85	2560,44	319
4600 90 10 85	59,31	152	4915 01 36 84	177,20	208	5006 52 9 84	199,84	83	5301 58 75 0 85	2996,70	320
4600 90 10 85 M	59,35	152	5000 01 13 84	194,70	160	5006 90 5 84	188,98	83	5301 58 90 0 85	3850,10	321
4600 90 20 85	62,64	152	5000 01 26 84	204,80	160	5006 90 9 84	199,84	83	6001	20,60	190
4600 90 20 85 M	62,68	152	5000 01 31 84	223,40	161	5007 01 5 84	163,14	158	6002	23,60	190
4600 90 30 85	65,34	152	5000 02 13 84	199,00	160	5007 01 9 84	174,32	158	6003	25,60	190
4600 90 30 85 M	65,38	152	5000 02 26 84	209,50	160	5007 02 5 84	167,58	158	6004	18,90	190
4600 90 40 85	72,81	152	5000 02 31 84	228,10	161	5007 02 9 84	178,64	158	6005	26,80	190
4600 90 40 85 M	72,81	152	5000 52 13 84	199,00	160	5007 52 5 84	167,58	158	6006	34,70	190
4601 01 10 85	62,28	153	5000 52 26 84	209,50	160	5007 52 9 84	178,64	158	6100 00 02 84	99,90	249
4601 01 10 85 M	62,32	153	5000 52 31 84	228,10	161	5007 90 5 84	167,58	158	6100 00 02 B	8,20	249
4601 01 20 85	65,61	153	5000 90 13 84	199,00	160	5007 90 9 84	178,64	158	6100 00 02 G	8,20	249
4601 01 20 85 M	65,61	153	5000 90 26 84	209,50	160	5100 00 02 84	98,68	267	6100 00 02 R	8,20	249
4601 01 30 85	68,31	153	5000 90 31 84	228,10	161	5100 00 02 B	8,20	267	6101 00 02 84	117,90	254
4601 01 30 85 M	68,35	153	5001 01 13 84	189,80	18	5100 00 02 G	8,20	267	6101 00 02 B	8,20	254
4601 01 40 85	76,14	153	5001 01 13 B	9,00	161	5100 00 02 R	8,20	267	6101 00 02 G	8,20	254
4601 01 40 85 M	76,18	153	5001 01 13 B	9,00	85	5110 00 07 84	317,60	268	6101 00 02 R	8,20	254
4601 02 10 85	64,71	153	5001 01 13 G	9,00	161	5110 00 07 B	12,20	268	6110 00 07 84	323,82	250
4601 02 10 85 M	64,75	153	5001 01 13 G	9,00	85	5110 00 07 G	12,20	268	6110 00 07 B	12,20	250
4601 02 20 85	68,04	153	5001 01 13 R	9,00	161	5110 00 07 R	12,20	268	6110 00 07 G	12,20	250
4601 02 20 85 M	68,08	153	5001 01 13 R	9,00	85	5120 00 06 84	298,70	268	6110 00 07 R	12,20	250
4601 02 30 85	70,74	153	5001 01 26 84	199,90	18	5120 00 06 B	9,90	268	6111 00 07 B	12,20	254
4601 02 30 85 M	70,78	153	5001 01 26 B	18,00	161	5120 00 06 G	9,90	268	6111 00 07 G	12,20	254
4601 02 40 85	79,11	153	5001 01 26 B	18,00	85	5120 00 06 R	9,90	268	6111 00 07 R	12,20	254
4601 02 40 85 M	79,15	153	5001 01 26 G	18,00	161	5120 00 10 84	312,90	268	6120 00 06 84	305,53	250

Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.	Ref.	TP £	Pag.
6120 00 06 B	9,90	250	BD 242	102,65	418	PCB 005 40 85	31,60	424			
6120 00 06 G	9,90	250	BDL 05C	19,50	419	PCB 005 50 83	32,60	424			
6120 00 06 R	9,90	250	BDL 05F	19,50	419	PCB 005 50 84	32,60	424			
6120 00 10 84	321,58	250	CL01	44,50	411	PCB 005 50 85	32,60	424			
6120 00 10 B	16,80	250	CL15	198,70	411	PCB 005 60 83	65,20	424			
6120 00 10 G	16,80	250	CO1	115,58	418	PCB 005 60 84	65,20	424			
6120 00 10 R	16,80	250	FC12	16,80	190	PCB 005 60 85	65,20	424			
6121 00 06 84	329,82	254	FC14	11,00	182	PCB 005 75 83	68,80	424			
6121 00 06 B	9,90	254	FC15	16,80	190	PCB 005 75 84	68,80	424			
6121 00 06 G	9,90	254	FC6	11,00	190	PCB 005 75 85	68,80	424			
6121 00 06 R	9,90	254	FVR12	13,80	190	PCB 006 15 83	221,20	424			
6121 00 10 84	345,30	254	FVR14	9,00	182	PCB 006 15 84	221,20	424			
6121 00 10 B	16,80	254	FVR15	13,80	190	PCB 006 15 85	221,20	424			
6121 00 10 G	16,80	254	FVR6	9,00	190	PCB 007 10 83	138,50	425			
6121 00 10 R	16,80	254	LCS	199,90	417	PCB 007 10 84	138,50	425			
6130 00 06 84	359,15	251	P1	20,65	411	PCB 007 10 85	138,50	425			
6130 00 06 B	9,90	251	P2	40,80	411	PCB 007 15 83	162,50	425			
6130 00 06 G	9,90	251	P3	60,90	411	PCB 007 15 84	162,50	425			
6130 00 06 R	9,90	251	PCB 001 08 83	21,62	423	PCB 007 15 85	162,50	425			
6130 00 10 84	375,48	251	PCB 001 08 84	21,62	423	PCB 007 20 83	196,45	425			
6130 00 10 B	16,80	251	PCB 001 08 85	21,62	423	PCB 007 20 84	196,45	425			
6130 00 10 G	16,80	251	PCB 001 16 83	29,72	423	PCB 007 20 85	196,45	425			
6130 00 10 R	16,80	251	PCB 001 16 84	29,72	423	PCB 007 25 83	232,80	425			
6140 00 07 84	377,78	251	PCB 001 16 85	29,72	423	PCB 007 25 84	232,80	425			
6140 00 07 B	12,20	251	PCB 001 25 83	31,92	423	PCB 007 25 85	232,80	425			
6140 00 07 G	12,20	251	PCB 001 25 84	31,92	423	PCB 007 40 83	84,66	425			
6140 00 07 R	12,20	251	PCB 001 25 85	31,92	423	PCB 007 40 84	84,66	425			
6150 00 20 84	549,82	252	PCB 001 50 83	38,50	423	PCB 007 40 85	84,66	425			
6150 00 20 B	34,90	252	PCB 001 50 84	38,50	423	PCB 008 10 83	125,02	425			
6150 00 20 G	34,90	252	PCB 001 50 85	38,50	423	PCB 008 10 84	125,02	425			
6150 00 20 R	34,90	252	PCB 002 10 83	123,24	423	PCB 008 10 85	125,02	425			
6150 00 30 84	596,12	252	PCB 002 10 84	123,24	423	PCB 008 15 83	163,92	425			
6150 00 30 B	69,90	252	PCB 002 10 85	123,24	423	PCB 008 15 84	163,92	425			
6150 00 30 G	69,90	252	PCB 002 15 83	165,36	423	PCB 008 15 85	163,92	425			
6150 00 30 R	69,90	252	PCB 002 15 84	165,36	423	PCB 008 20 83	198,80	425			
6160 00 18 84	582,52	253	PCB 002 15 85	165,36	423	PCB 008 20 84	198,80	425			
6160 00 18 B	31,42	253	PCB 002 20 83	183,82	423	PCB 008 20 85	198,80	425			
6160 00 18 G	31,42	253	PCB 002 20 84	183,82	423	PCB 008 29 83	102,66	425			
6160 00 18 R	31,42	253	PCB 002 20 85	183,82	423	PCB 008 29 84	102,66	425			
6160 00 30 84	675,20	253	PCB 002 60 83	96,64	423	PCB 008 29 85	102,66	425			
6160 00 30 B	69,90	253	PCB 002 60 84	96,64	423	PCB 008 45 83	108,94	425			
6160 00 30 G	69,90	253	PCB 002 60 85	96,64	423	PCB 008 45 84	108,94	425			
6160 00 30 R	69,90	253	PCB 003 20 83	66,90	423	PCB 008 45 85	108,94	425			
6170 00 20 84	678,60	253	PCB 003 20 84	66,90	423	PCB 008 61 83	112,86	425			
6170 00 20 B	34,90	253	PCB 003 20 85	66,90	423	PCB 008 61 84	112,86	425			
6170 00 20 G	34,90	253	PCB 003 42 83	98,30	423	PCB 008 61 85	112,86	425			
6170 00 20 R	34,90	253	PCB 003 42 84	98,30	423	PZ1	7,20	254			
6180 00 22 84	598,20	252	PCB 003 42 85	98,30	423	PZ2	15,20	254			
6180 00 22 B	36,90	252	PCB 003 60 83	122,60	423	S100	1,25	427			
6180 00 22 G	36,90	252	PCB 003 60 84	122,60	423	S172	2,90	427			
6180 00 22 R	36,90	252	PCB 003 60 85	122,60	423	S202	2,90	427			
6300 58 15 0 85	684,90	392	PCB 004 25 83	16,50	424	S224	2,90	427			
6300 58 30 0 85	1197,10	393	PCB 004 25 84	16,50	424	S70	1,10	427			
6300 58 45 0 85	1888,38	394	PCB 004 25 85	16,50	424	S77	1,10	427			
6301 58 45 0 85	1888,38	394	PCB 004 50 83	16,80	424	S90	1,10	427			
6301 58 60 0 85	2560,44	395	PCB 004 50 84	16,80	424	S95	1,25	427			
6301 58 75 0 85	2996,70	396	PCB 004 50 85	16,80	424	SE1	102,79	418			
6301 58 90 0 85	3850,10	397	PCB 004 75 83	46,40	424	SENET		384			
7001	20,60	182	PCB 004 75 84	46,40	424						
7002	20,60	182	PCB 004 75 85	46,40	424						
7003	20,60	182	PCB 005 20 83	30,60	424						
BD 118	92,49	418	PCB 005 20 84	30,60	424						
BD 126	92,50	418	PCB 005 20 85	30,60	424						
BD 132	92,51	418	PCB 005 30 83	65,10	424						
BD 142	92,52	418	PCB 005 30 84	65,10	424						
BD 218	102,62	418	PCB 005 30 85	65,10	424						
BD 226	102,63	418	PCB 005 40 83	31,60	424						
BD 232	102,64	418	PCB 005 40 84	31,60	424						









# Terms and conditions of sale

### 1. General.

SECOM S.L. reserves the right to perform modifications on the measures and characteristics of the fittings, improvements on his models, and to eliminate the supply of any of them without previous notice.

SECOM S.L. is not responsible of any problems caused by possible mistakes in the pictures, measures and/or data which appear in the catalogue.

### 2. Guarantees.

Guarantees are valid from the date of receipt of the product. You must show the commercial invoice as proof and reception document where appropriate.

SECOM S.L. is responsible for the quality of its luminaires provided the above recommendations are followed and declines all responsibility for:

- Inappropriate storage or installation.
- Incorrect use.
- Modifications in the products after the sale.
- Incorrect power supply.
- Conditions due to the use of cleaning products contradictory with the indicated ones.
- Logical Deterioration by the passage of time, cuts, scratches or damage caused by impacts or accidents.
- External agents.

All cases of claims for hidden defects be attended in accordance with Real Decreto Legislativo 1/2007 of 16 November, approving the revised text of the Ley General para la Defensa de los Consumidores y Usuarios and other complementary laws (RDL 1/2007 from now on).

Luminaires are subject to the guarantee period established in RDL 1/2007, all products have a 2 year manufacturer's guarantee from date of delivery of the product unless a longer period of time is established.

The durability of the luminaries depends on:

**Stainless Steel Products:** Stainless steel products of this catalog are made of high quality material.

On stainless steel small stains resulting from contact with marine atmosphere, humid environments, as well as lime water from irrigation may occur. This type of contamination on steel will be removed with an application of cleaning products containing phosphoric acid.

**Aluminium products:** Our products have been protected with chromate and finished with polyester paints and deterioration can occur by:

Ongoing contact with water with high percentage of salt or acidified water contaminated by fertilizers or insecticides.  
Electrolysis produced by the contact of aluminium with screws if they are iron made (stainless steel are recommended).  
The existing current in the ground, only avoidable with proper earth connection.  
Non fast protection of aluminium in the event of the painting has been torned by abrasion or shock.

The responsibility of SECOM S.L. it is limited to the delivery of the components that have suffered a malfunction (PCB Led plates, driver, etc.), not being extensible to other expenses such liability that may result from the replacement of components that have suffered a malfunction, such as transport costs, accommodation, travel, cost of the labor hours, trucks, cranes, machinery, diets, etc., or any other direct or indirect damage or injury such as loss of profits.

In the event the customer prefers that the components that have suffered malfunctions are repaired by SECOM LIGHTING, S.L. luminaires must send prepaid. SECOM LIGHTING, S.L. proceed to the replacement of components as quickly as possible and the manufacturer will deliver the luminaires in perfect running order with customer freight collect conditions.

### 3. Delivery time.

The delivery time will be confirmed at the time of placing the order and will always be always be as orientative guide, so delays that may exist not imply the cancellation of the order or the imputation of penalties.

### 4. Transport.

In the case of abroad delivery the transport will be charged to SECOM S.L. for orders upper to 1.000 € for Italy, 1.000 € for France, 400 € for Portugal. (For other destinations ask conditions)

However the customer can choose to nominate his agency, but in that case, even if the total amount of the order is upper to the minimum, the client will be totally responsible for the amount of transport.

### 5. Claims.

Claims for difference in quantity, quality or other types of defect/fault of the delivered goods will not be accepted after 24 hours from the delivery date.

Claims for breakages of the material due to the transport agency will not be admitted alter 24 hours, as it is the maximum time allowed for the insurances companies.

### 6. Returns.

SECOM S. L. not accept any return of goods that has not previously been reported and accepted in writing by SECOM SL.

All returns must have included the following documentation:

- List of material or product returned
- Cause or reason for return
- A copy of the invoice for the purchase of material or product

No standard items returns will not be accepted.

The final decision will be taken after checking the returned goods.

The returns of material in good condition, will be accepted under the following conditions:

- Antiquity of the material less than 30 days - 20% depreciation
- Between 30 days and 3 months - 30 % depreciation.
- Between 3 and 12 months - 50% depreciation.
- More than 12 months no refunds.

Transport costs for returns will be paid by the customer, except those which may result from causes of defects in quality or errors attributed to SECOM SL, in which case it will be sent by the agency indicated by the area's commercial agent.

### 7. Entry into force.

Once we receive the Purchase Order, and it's related to customized luminaires or NOT LED fittings and after 48 hours after sending the confirmation, the order could not be cancelled unless written authorization by SECOM.

In case of this authorization, we'll charge 20% of the total amount as depreciation value.

### 8. Entry into force.

1st of October 2017.

This catalogue/price list nullifies any previous price list.



According to Art.12 of the Law 11/1997 on packaging and packaging waste, the final holder of packaging waste and used packaging, will be responsible for delivering in an adequate separation conditions for its correct environmental management to a recovery, recycling or authorized valuer.

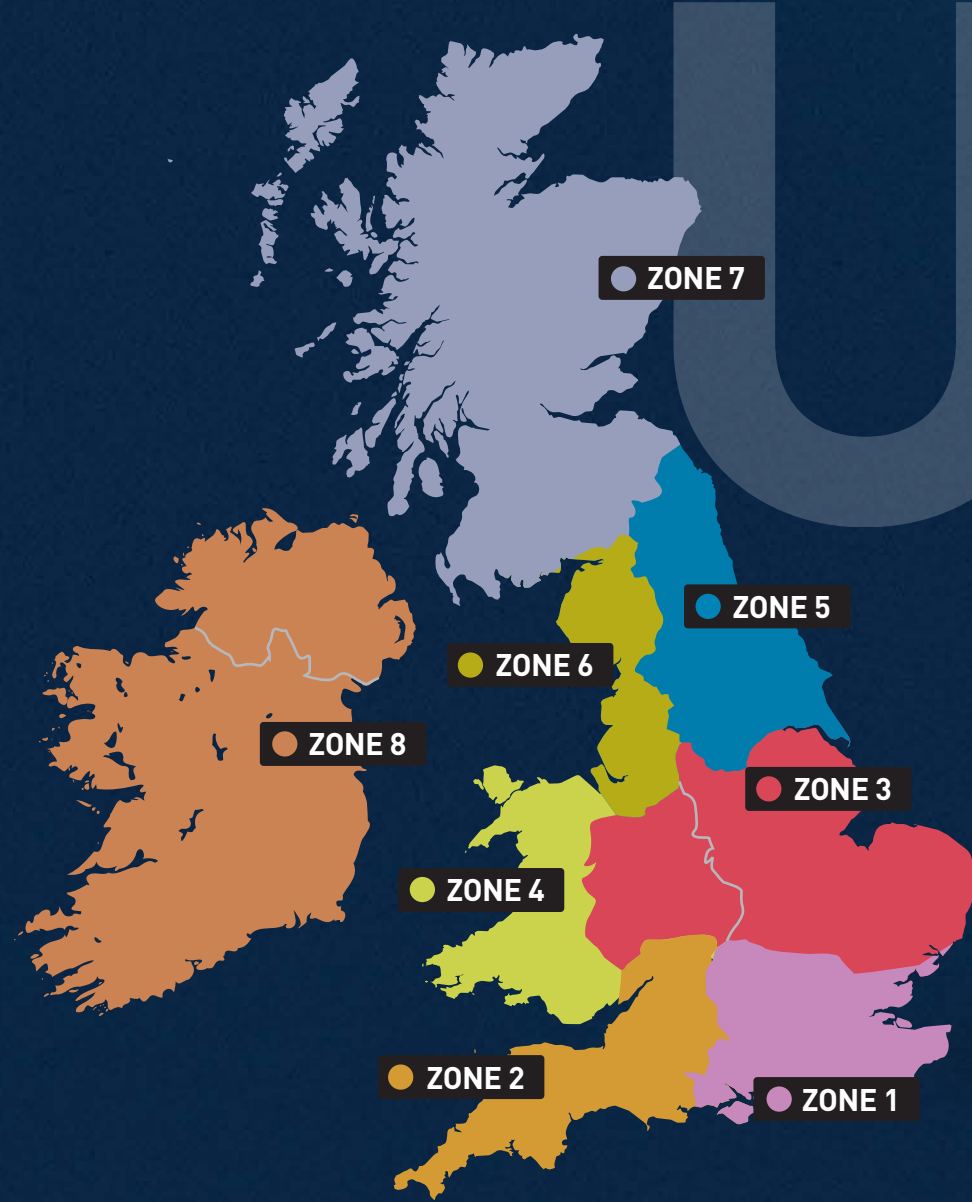
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# UK COMMERCIAL TEAM

[ WE CAN OWN BRAND FOR YOU  
WE CAN BESPOKE ANY PRODUCT FOR YOU ]



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SOUTH WEST	<b>ZONE 2</b>
EAST & WEST MIDLANDS	<b>ZONE 3</b>
WALES	<b>ZONE 4</b>
NORTH EAST	<b>ZONE 5</b>
NORTH WEST	<b>ZONE 6</b>
SCOTLAND	<b>ZONE 7</b>
EIRE & NORTHERN IRELAND	<b>ZONE 8</b>

## TECHNICAL ASSISTANCE

[technicalassistance@secomlighting.uk](mailto:technicalassistance@secomlighting.uk)

- Technical information about the system.
- Technical study requests.

## ORDERS

[orders@secomlighting.uk](mailto:orders@secomlighting.uk)

- Pricing enquiries.
- Request for marketing materials.
- Order processing.
- Delivery enquiries.

## CUSTOMER SERVICE

[customer@secomlighting.uk](mailto:customer@secomlighting.uk)

- After sales service.
- To discuss general conditions.
- Arrange visits by our sales agents.
- Payment administration.



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