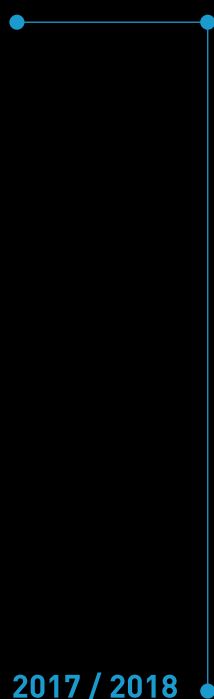


IN OUT



2017 / 2018



CREATE SPACES...

Our character is forged from the energy of light and imagination. Our strength is built on the excellence of ideas and design.

But the point of ideas is to bring them to fruition. Our challenge is to understand light, engage in dialogue with it, and take full advantage of its possibilities. At TROLL we view light as an added element of construction, and exploit its capacities to create atmospheres and sensations.

TROLL participates in the development of projects for premises of all kinds. This begins with initial advice, and continues through to its implementation and to ensuring the complete satisfaction of the end users of that space.

We want to understand the soul of each work, and we want the responsiveness of our design and manufacturing processes to guarantee the excellence of our products and the satisfaction of our customers.

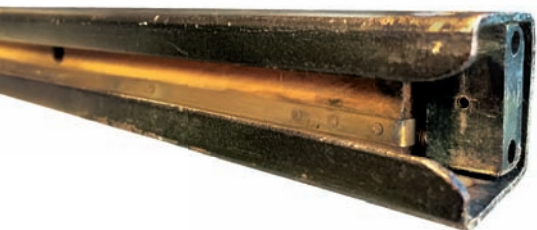
We want to enlighten your ideas and travel the path of creativity together. This will ultimately enlighten your ideas.



BANCO DE BILBAO

BANCO DE BILBAO

troll



First track system
(Patent registered in 1961)

Since 1974... lighting your ideas

Our dedication to light has been a long and thrilling journey which, along with our clients, has awarded us a solid know-how, allowing us to create new ways to manage lighting in a space while thoroughly making use of its capacities.

We live our lives surrounded by inventions that we enjoy and naturally take as a given, ingenious ideas that make our lives easier.

Without a doubt, the electrified rail has been one of the biggest developments of the last century for the lighting industry. Its arrival a few years ago completely revolutionised the lighting industry, giving birth to technical lighting.

Troll is born from the development of the world's first electrified rail (1961) for electrical appliances. We are proud to have contributed to the light industry with a development that has undoubtedly become one of today's most employed solutions for light installations anywhere in the world.

Thanks to the success of the electrified rail, the company was invigorated by strong growth. Thanks to our previous innovation successes, we have acquired a solid know-how in the art of lighting and a well-established international prestige.

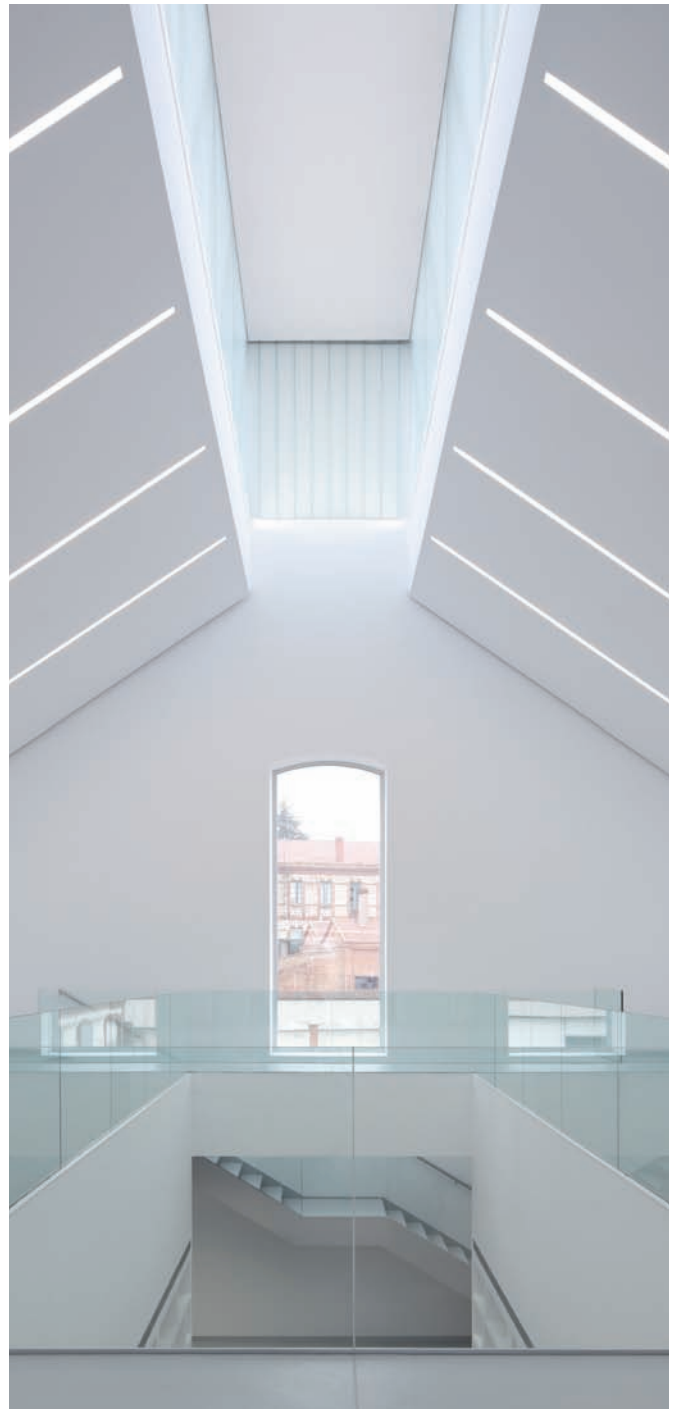
Troll is entering a phase of expansion which is making it a leader in the field of technical lighting today, with over 75 years of company history. At Troll we are committed towards the future, being proactive towards new trends and always maintaining the desire to continue innovating throughout our future.

How often have small ideas turned into great solutions?



DESIGN

TROLL offers lighting concepts based on design, technology, quality, efficiency and competitiveness. Our R & D department investigates and develops new products and innovative lighting applications with the use of cutting-edge materials and production processes suited to the particular needs of each market. The brand relies on design professionals such as the French architect Jean Nouvel, who bring the benefit of their experience by projecting spaces and discovering unresolved needs. Its recognition of research and development of new concepts has repeatedly translated into prestigious awards such as Delta, IF and Design Plus.



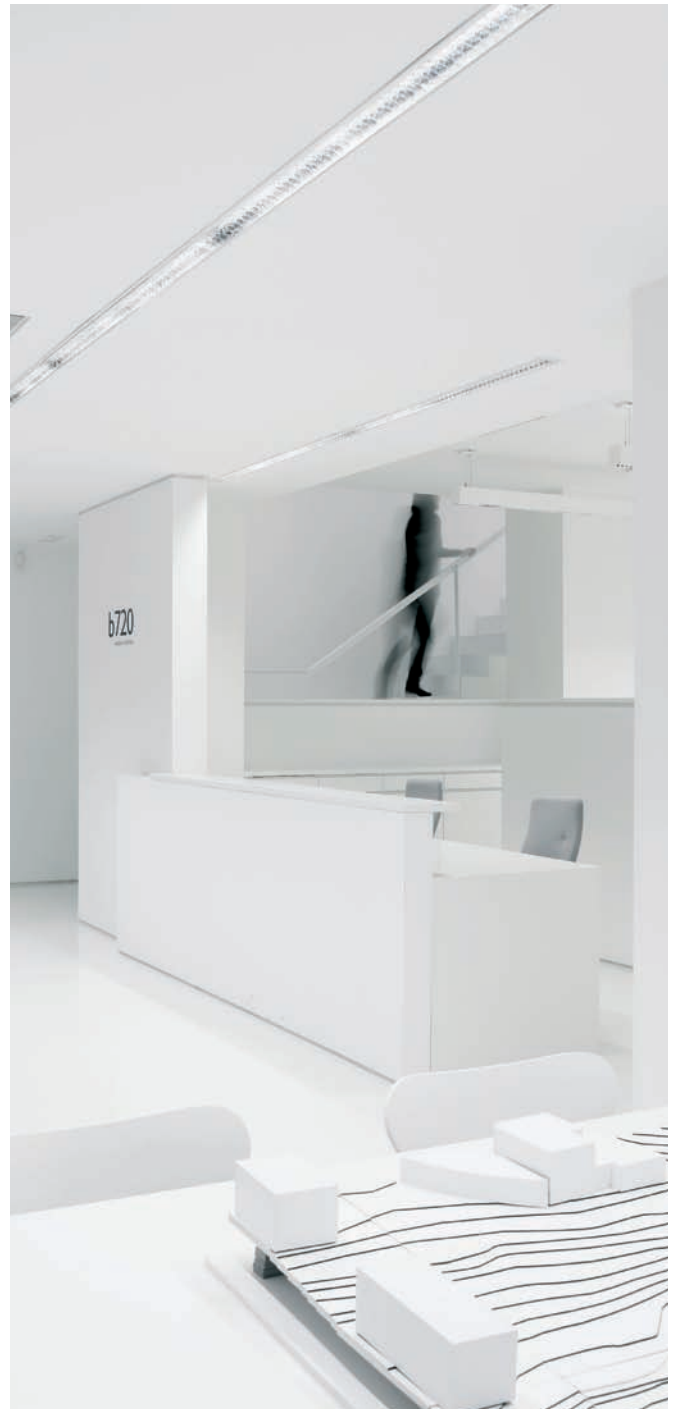
QUALITY

The technological revolution offers opportunities to find new lighting applications. Recent digital solutions and the latest generation of LEDs provide significant benefits such as improved efficiency, increased light flow, improved colour rendering rates, longer service lives and many new options, creating a new paradigm for professional and domestic lighting applications. New technologies continue to advance. TROLL selects the most modern and most appropriate technology at all times and for each application, in order to design lighting concepts that guarantee the quality of TROLL products and the result of their applications.



TECHNOLOGY AND INNOVATION









Knowledge and understanding of modern technologies on one hand, and of the requirements of projects on the other, allow TROLL to develop innovative products capable of responding to new lighting requirements as well as to existing needs that until now may have lacked a suitable lighting solution. TROLL is constantly undertaking research in order to propose new concepts and ways of applying light to help dress spaces and thereby offer innovative products intended for highly specialised segments (health & care, retail, hospitality, etc.), providing added value for users and opening new paths to help understand light and its application.



EFFICIENCY

Energy efficiency is a maximum-priority criterion in all projects. TROLL constantly designs and innovates with the aim of reducing energy consumption via efficient products, without sacrificing light quality, in order to meet various lighting needs. Visual comfort and the desired light effects must be created with the minimum possible energy expenditure, maximising efficiency and implying the lowest possible maintenance costs in the future. This is achieved thanks to know-how that can be applied in a wide variety of applications, the study of the use of natural light, the use of the latest technology, the study of investment recovery and the implementation of lighting in each project.


SPECIFICATIONS

 Product made accordingly with European standards	 Safety distance
 Protection rating for solid bodies and liquids	 Clase II
 Passes the 850° glow wire test	 Clase III
 EU certification (Manufactured to EN 60.598 standard)	 AENOR certification

The average lifetime of most LED products developed is 50,000 hours (value indicated on the datasheet of each product). This measurement is characterized by a B10L70, which means that 90% of the LED's installed will shine at more than 70% of the initial nominal flow.


















Example. A luminaire of 50 LED's with a lifetime of 50,000 hours B10L70 means that after 50,000 hours we guarantee that at least 45 of the LED's of this luminaire will be shining at more than 70% of their initial nominal flow.

 **CUSTOM LED**

 Fashion	 Meat	 Fish and seafood
 Jewellery	 Bread and pastries	
 Sausages	 Fruits and vegetables	

Within our new LED range, we've introduced new lighting solutions designed to offer superior colour reproduction, aiming to highlight specific products: fashion, jewellery, meat, sausages, fruits and vegetables, bread and pastries, fish and shellfish.

FINISHES

 /01 Chrome	 /21 Grey (RAL 9006)	 /41 Nickel	 /93 Brilliant white
 /02 Gold	 /22 Anthracite	 /63 Ceramic white	 /92 Satin gold
 /04 Black	 /27 Grey	 /85 Copper	 /94 Brilliant black
 /20 Stainless steel	 /33 White (RAL 9010)	 /91 Satin nickel	 /204 Black
			 /221 Metallic grey

CONTROL GEAR

The type of gear included may be shown by the following codes:

EL	Electronic control gear
ELD	Electronic dimmer control gear
ELDD	Electronic dimmer control gear DALI
EE	Electronic control gear with emergency
EED	Electronic dimmer control gear with emergency
EI	Magnetic control gear + Emergency replacement gear
CP	Electronic control gear with pre-heating
CPD	Electronic dimmer control gear
CPDD	Electronic dimmer control gear DALI

HOW TO READ THE CODES

type of application

n° in range

name of range

common features

Suffixes of references which indicate the colour of the finish.
The reference is compose of:
example: 11.1523.9312 + .22 = 11.1523.9312.22


IN
Spotlights

1.2

Luxcan LENS
Luxcan MINI
Luxcan MULTI LENS

Proyector monobloque constituido por cuerpo cilíndrico de aluminio extrusionado. Distintos acabados de pintura de gran calidad Axalta. Todo el cuerpo de la luminaria ejecuta la función de disipador, permitiendo integrar el equipo en su interior. Sistema de orientación con eje único, que permite el giro de 35° y 90° de inclinación. Sistema óptico constituido por lente de policarbonato, que define un haz perfecto, sin halos.
LED y equipo incorporado

Personalización LED
Posibilidad de incorporar nuevas fuentes de luz diseñadas para ofrecer una excelente reproducción de color para realizar los productos de segmentos muy específicos. Bajo demanda.



1.2 Luxcan

Características
CE IP20

Acabados
Al, Antracita, Blanco, Negro, Plata, Dorado

Para completar la referencia de producto, añadir acabado

LED y Equipo incorporado

25W	12°	carri ³	2800 lm	3000 K	11.1523.9312
25W	24°	carri ³	2800 lm	3000 K	11.1523.9324
25W	36°	carri ³	2800 lm	3000 K	11.1523.9336
4000 K				4000 K	11.1523.9424

common features

Potencias	LED 25W
Ópticas	Spot 12°, 24°, 36°
TT Color	3000K blanco cálido - CRI ≥ 90 4000K blanco neutro - CRI ≥ 90
Flujo nominal	25W - 2800 lm
Equipos	Electrónico (EL)
IP	IP20
Acabados	Negro (04) Gris plata (27) Gris antracita (22) Blanco (63) Cobre (83) Dorado (22)
Alimentación	220 - 240V, 50/60Hz
Instalación	Carri electrificado trifásico

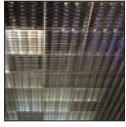
Measurements in this catalogue are given in millimetres.

Watts (W) and lumens (lm) are nominal.

IN

A

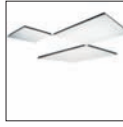
ARCHITECTURAL



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Flying Surface
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SPOTLIGHTS



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3

RECESSED LUMINAIRES



Panel
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Profile - Versatile
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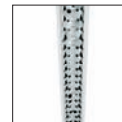
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OUT

1 SPOTLIGHTS



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2 POLES



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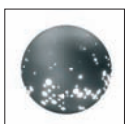


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3 BOLLARDS



Riddle
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4 RECESSED



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Small-up
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Atlante
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5 SURFACE



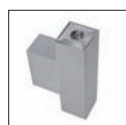
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POWER

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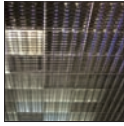
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A

ARCHITECTURAL



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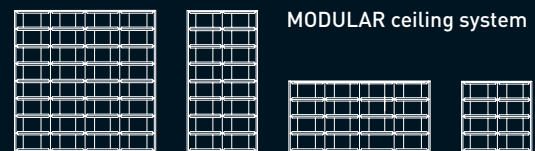


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Luxiona and Jean Nouvel have joined forces to create Paralum, an exclusive, innovative comprehensive ceiling and surround lighting system. Paralum is a new system of modular ceiling that includes the lighting system, a play of subtlety that shows the magic of reflections of light and shadow.



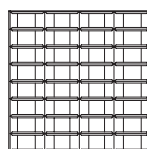


This lighting system is made up of a folding grating ceiling, which general and accent lighting modules can be placed into, as well as smoke detection, acoustics, air-conditioning and sprinkler modules, which have a built-in fire-fighting system. The French architect understands light as a building material that can create atmospheres and transmit emotions through its versatility.



Modular ceiling system

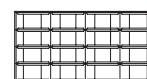
The main idea is to create a decorative false ceiling made of 600x600mm modulated specular aluminum louvers. Louvers can be 600x300, 300x600 and 300x300. Louvers are fixed with special profiles joined together by metal pieces and springs. The ceiling system allows you to create a real ceiling with lighting, air conditioning, sprinkler, fire alarm and smoke detectors.



600 x 600



300 x 600



600 x 300

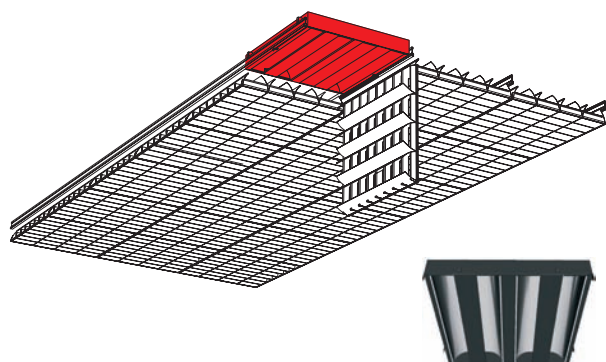


300 x 300

PARALUM lighting modules

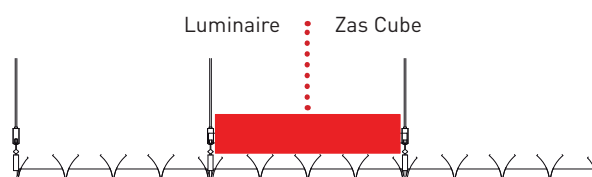
General lighting modules

Luminaire of 2x24W T16 lamps. Made of stamped steel and aluminum, consists of a main black pressed steel frame. Two Optical system for each lamp. No direct light emission. All other support components are made of pressed steel plate painted in black. There are two versions of luminaire: adjustable DALI and DALI + emergency. The luminaire is installed on the roof PARALUM placing it, at the top of the roof.



Accent lighting modules

Made of black stamped steel. Zas Cube is installed on the PARALUM ceiling. Maximum of 4 luminaires per module.



PARALUM modules

PARALUM air conditioning modules

Made of specular aluminum has the same dimensions as the basic grid 600x600 mm. It has the same appearance but at the top is designed to facilitate the exit of the air conditioning. The diffuser plenum is at the top. The diffuser and plenum is not included.

PARALUM Support for Sprinkler and smoke detectors modules

Made of stamped steel and painted black. The modules support sprinkler and smoke detector installed in the ceiling PARALUM placing them at the top inside of the roof, supporting them in the profiles and fixed with screws.

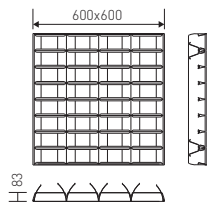
PARALUM Support for emergency lighting modules

Black Stamped Steel support for emergency. Installed on the top of the PARALUM ceiling. There are two versions depending on whether you want to install the banner profiles, longitudinally or transversally clip-in.

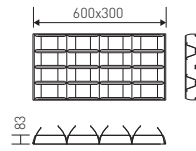
Features



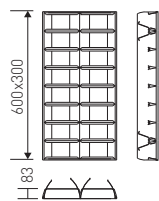
Louvers



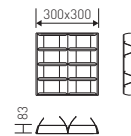
Specular aluminium
4x8 grid
CL1/0101/34



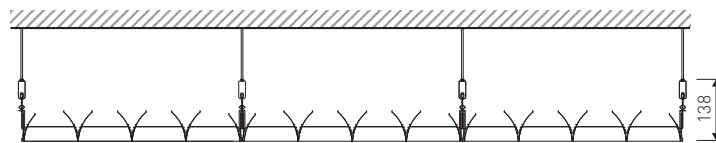
Specular aluminium
4x4 grid
CL1/0102/34



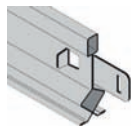
Specular aluminium
2x8 grid
CL1/0103/34



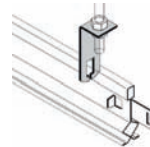
Specular aluminium
2x4 grid
CL1/0106/34



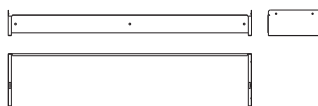
Jonit elements



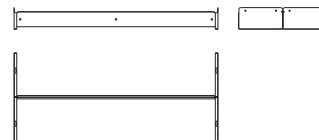
Profile
L= 3600mm
Galvanized steel
15 pieces / box
3100713600



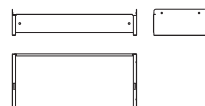
Suspension
ROD M6 L= 1 M
Includes nut M6
Galvanized steel
11PAR/512



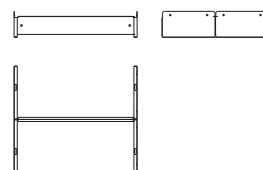
Simple support 600
Galvanized steel
CL1/0201/00



Double support 600
Galvanized steel
CL1/0202/00



Simple support 300
Galvanized steel
CL1/0204/00



Double support 300
Galvanized steel
CL1/0205/00



Clamp mounting
Galvanized steel
CL1/0203/00

Features



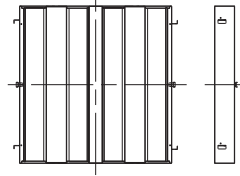
Finish



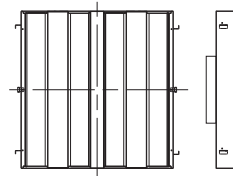
To complete the product reference, add finish

General lighting modules

T16



2x24W
control gear ELD
CL1/0301/04

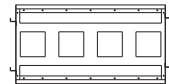


2x24W
control gear ELD
CL1/0302/04

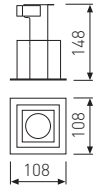
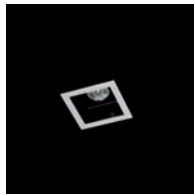
Accent lighting modules



Module Cube Zás Paralum
Steel plate
CL1/0303/04



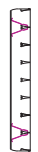
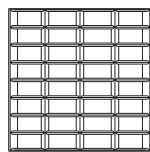
GU10



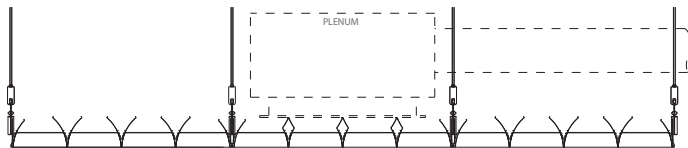
máx. 50W
11.0452.0001.21

For lamp LED

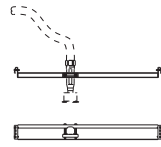
Air conditioning modules



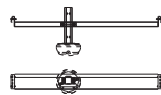
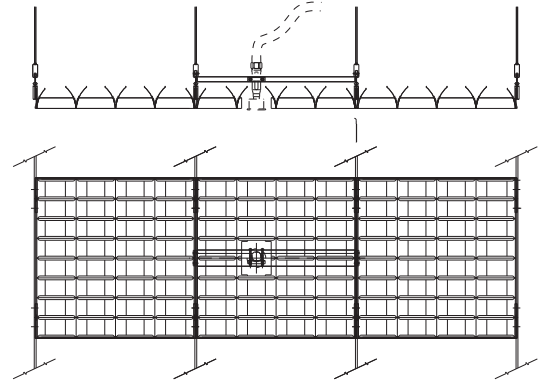
Air grille conditioning
Specular aluminium
CL1/0305/34



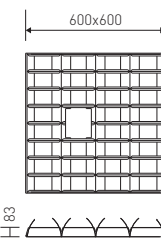
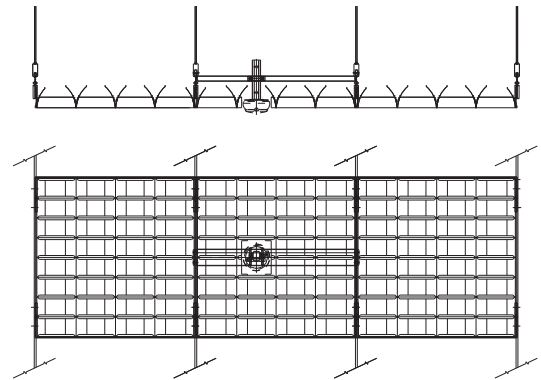
Smoke and Sprinkler detectors modules



Sprinkler
not included
CL1/0401/04

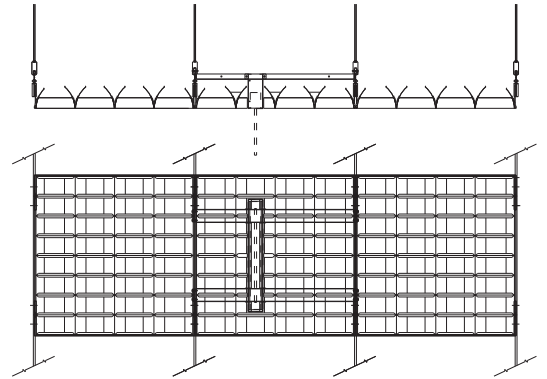
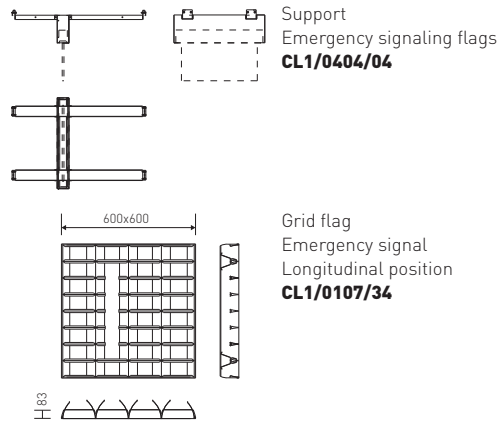


Smoke detectors
not included
CL1/0402/04

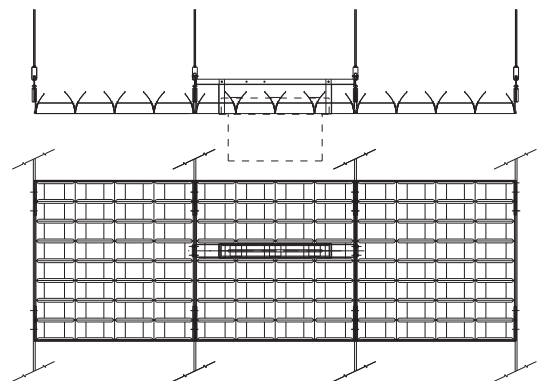
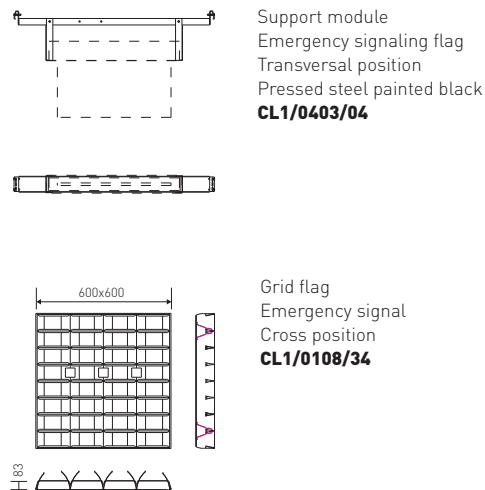


Sprinkler grille and
smoke detector
CL1/0104/34

Emergency lighting modules (longitudinally)



Emergency lighting modules (transversally)



PARALUM module side panel cladding

CL1/0209/04 STRAIGHT End cap 300 mm

CL1/0206/04 STRAIGHT End cap 600 mm

CL1/0210/04 STRAIGHT End cap 1200 mm

CL1/0217/04 End cap 300 mm EXTERIOR MITRE JOINT

CL1/0207/04 End cap 600 mm EXTERIOR MITRE JOINT

CL1/0215/04 End cap 300 mm INTERIOR MITRE JOINT

CL1/0214/04 End cap 600 mm INTERIOR MITRE JOINT

CL1/0211/04 End cap 300 mm DOUBLE INTERIOR + EXTERIOR MITRE JOINT

CL1/0212/04 End cap 600 mm DOUBLE INTERIOR + EXTERIOR MITRE JOINT

CL1/0218/04 End cap 300 mm DOUBLE INTERIOR MITRE JOINT

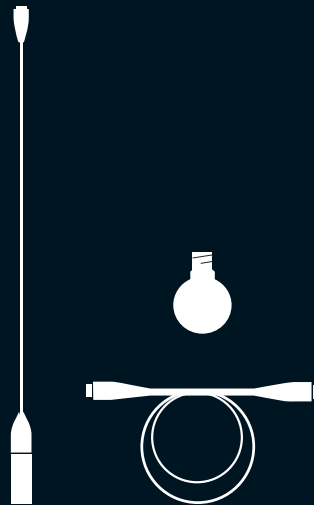
CL1/0208/04 End cap 600 mm DOUBLE INTERIOR MITRE JOINT

CL1/0216/04 End cap 300 mm DOUBLE EXTERIOR MITRE JOINT

CL1/0213/04 End cap 600 mm DOUBLE EXTERIOR MITRE JOINT







Araña is a project born from the collaboration between Jean Nouvel and Troll. Araña gives total freedom for each client to become the creator of his or her own style.



The idea is to be able to place the lighting system wherever desired, with the final design depending on the creativity of each person.

Araña is an adventurous lighting solution, which challenges the individual's creativity and imagination to create their own style with total freedom... a style of lighting with total freedom.



Atelier Jean Nouvel, France

Power

E27 max.70W - incandescent or LED

Control gear

Electronic (EL)

IP

IP20

Finishes

White (33)

Black (04)

Supply voltage

220... 230V, 50/60Hz

Installation

Ceiling

Accessories

Fixing

Box

Connection element, easily-installed on the ceiling and allowing up to 10 luminaires to be simultaneously connected depending on lighting and aesthetic requirements.

Elements of box connection

The necessary connection elements are not supplied with the connection box, as these will depend on the number of luminaires to be used. Therefore, the box should be prepared prior to installation with the necessary connection elements [reference 23/5200].

- Once the box is prepared, it is mounted on the ceiling by means of fixing points.



Luminaires

Suspended luminaires by cables joined to the connection box which allow the point of light to be placed at the desired position, height and intensity.

- The system has several types of luminaires: simple; with dimmer feature; with height regulator. Also available are fixing elements and expandable which make the system more flexible.

E27 LED lamps with different shapes.



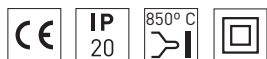
Accessories

Fixing points to suspend and place the luminaire where desired.

- Elements which allow for luminaire to be extended to area to be lit. Cable length 1.5 metres.
- Finish: White, Black



Features

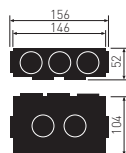


Finish



To complete the product reference, add finish

Box



10 covers per box are included
20/5200

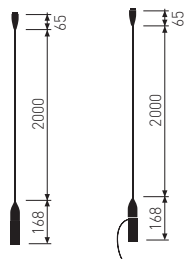


Connector
23/5200



Luminaires

LED E27



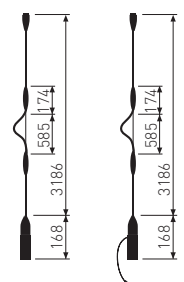
Suspended luminaire
E27 max.70W
5200



Suspended dimmer luminaire
E27 max.70W
5200D

Wall panel

LED E27

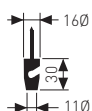


Suspended luminaire with height regulation
E27 max.70
5200/P

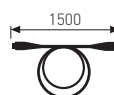


Suspended dimmer luminaire with height regulation
E27 max.70W
5200D/P

Accessories



Fixing point
21/5200
Each unit comprises 5 pieces



Extension element
22/5200

Lamps E27 (not dimmable)

LED



6W
2700K **LM/G8006922/D**



8W
2700K **LM/G12508922/D**



8W
2700K **LM/ST5808922/D**

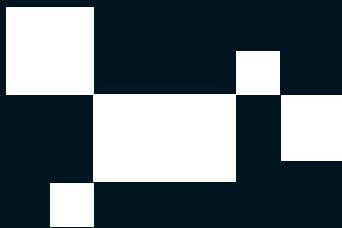


Kursaal, Spain





Flying Surface is project that arose as a result of the design collaboration between Jean Nouvel and Troll. The point that architecture and design have in common is that both exist to fulfil a need, and this is what differentiates them from other forms of Art.





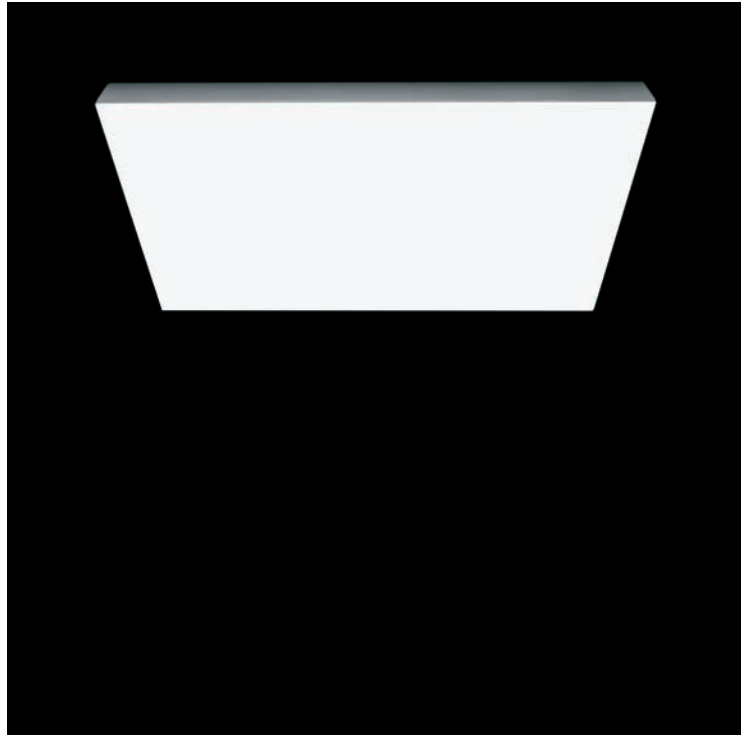
Steel sheet chassis painted in a white colour. Internal high-pressure laminate treatment. White textile outer diffuser with polymer base.

Fitting:

Surface installation, directly to ceiling or wall.

May be installed on exposed tee ceilings using accessory 47/02/33.

Suspended installation via height-adjustable steel cable using accessory 47/01/33.



Museum of Decorative Arts, Paris

Power

LED 9,9W, 54W, 216W, 327W

Beam

106°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

9,9W - 880lm, 54W - 5040lm, 216W - 20160lm, 327W - 30240lm

Control gear

Electronic (EL)

Electronic Dimmer Dali (ELDD)

IP

IP20

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Wall, Ceiling

Accessories

Suspension set

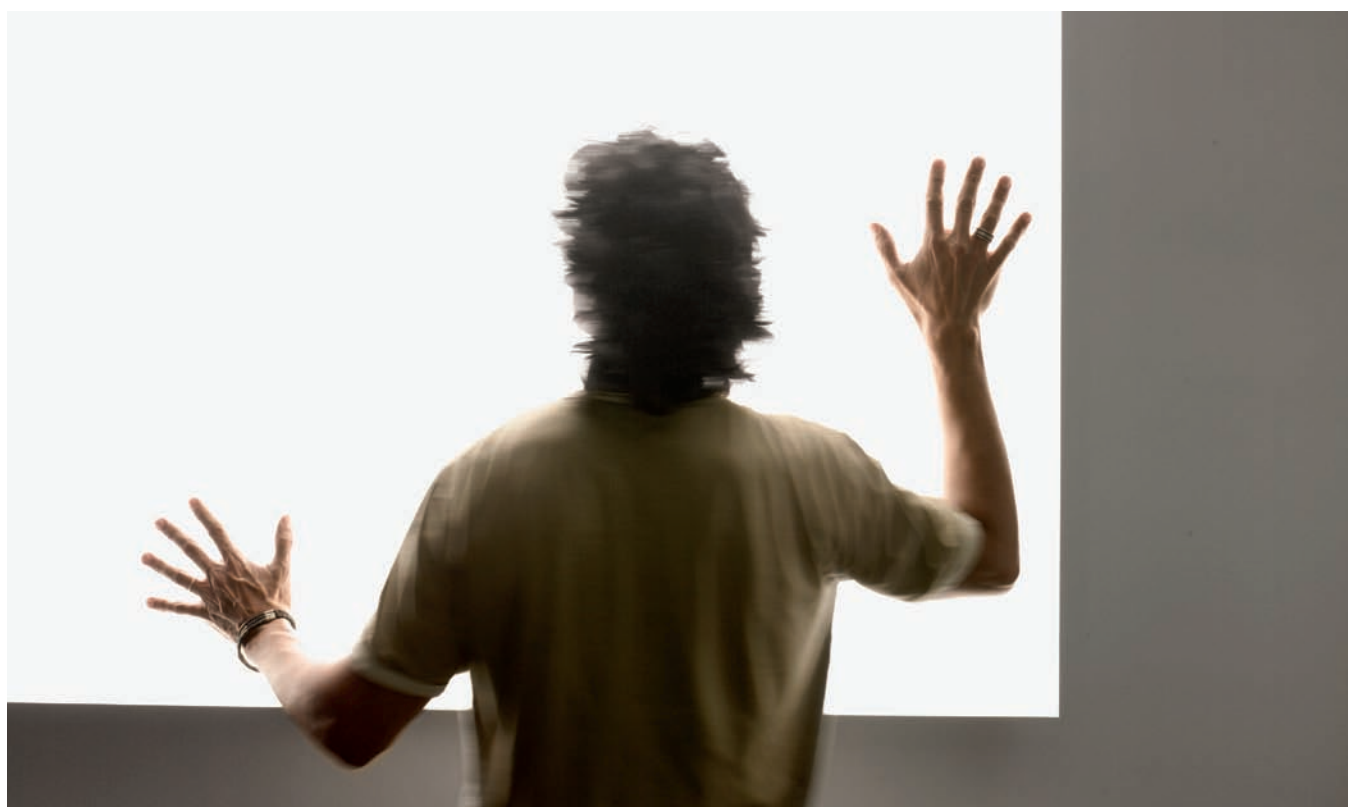
Alignment tracks to attach to modular ceilings

Flying Surface is a new project that basically deals with the essence of light. A new concept that highlights a plane of light near the plane of the wall. The size of the surface, or the geometry, makes the light become highly indeterminate, uncertain of where it ends and never revealing its true shape.

Made from a stretched fabric which becomes a floating surface radiating light when lit. When there is no light, it is a white fabric, as abstract as an artist's canvas waiting for the paint.



“ The most important thing is the nature of the item, its essence” *Jean Nouvel*



Features



<p>LED</p> <p>106°</p> <p>LED and control gear included</p>		 <p>370 x 370</p>	<p>9,9W 106° control-gear EL 880 lm 3000K 47/L0383/33 4000K 47/L0384/33</p>	<p>9,9W 106° control-gear ELDD 880 lm 3000K 47/L0383DD/33 4000K 47/L0384DD/33</p>
<p>106°</p> <p>LED and control gear included</p>		 <p>740 x 740</p>	<p>54W 106° control-gear EL 5040 lm 3000K 47/L0783/33 4000K 47/L0784/33</p>	<p>54W 106° control-gear ELDD 5040 lm 3000K 47/L0783DD/33 4000K 47/L0784DD/33</p>
<p>106°</p> <p>LED and control gear included</p>		 <p>1340 x 1340</p>	<p>216W 106° control-gear EL 20160 lm 3000K 47/L1383/33 4000K 47/L1384/33</p>	<p>216W 106° control-gear ELDD 20160 lm 3000K 47/L1383DD/33 4000K 47/L1384DD/33</p>
<p>106°</p> <p>LED and control gear included</p>		 <p>2000</p> <p>1340</p> <p>60</p>	<p>327W 106° control-gear EL 30240 lm 3000K 47/L2083/33 4000K 47/L2084/33</p>	<p>327W 106° control-gear ELDD 30240 lm 3000K 47/L2083DD/33 4000K 47/L2084DD/33</p>

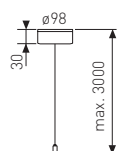
Suspension set



Suspension cable (max. 3 metres).
Height regulating pieces in stainless steel and white fleuron.
(4 units)
47/01/33



Alignment tracks to attach to modular ceilings.
(4 units)
47/02/33





Expohotel, Spain





With the goal of evoking natural light, Troll and Jean Nouvel present Palmera. Watching it, you feel as though you are under the very same palm tree, feeling absolute calm and a gentle breeze. It is poetry, just as light is in nature. According to Jean Nouvel, "it's an ideal lamp for taking a nap."





Palmera functions by rotating an inner cylinder, which projects various shapes on the walls, reminiscent of natural light breaking through the leaves of palm trees moved by a gentle breeze. The French architect discusses functional light, which can be transformed to transmit emotions.

**Power**

LED QT14 - G9 3,5W

Colour temperature

3000K blanco cálido - CRI ≥ 80

Nominal lumen output

350lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

White (33)

Cooper (85)

Gold (92)

Supply voltage

220... 230V, 50/60Hz

Installation

Table

Features

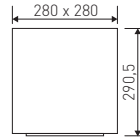


Finishes



To complete the product reference, add finish

QT14 - G9



3,5W
350 lm
3000K **11.4694.0001.**

Lamp included

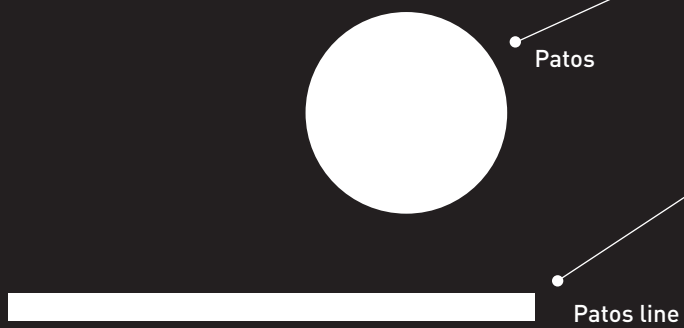


Renaissance Barcelona Fira Hotel, Spain





Luminaires designed to create spaces with character by using high quality and architectural lighting. "Patos Line" is perfect to give an actual and modern touch to museums, galleries, offices, clubs, restaurants and hotels.





informacja

<< Poradnia Genetyczna
<< Pracownia Mammografii

Body built in aluminium with an excellent light transmittance-index prismatic diffuser. Electronic gear built in the luminaire.

**Power**

LED from 10W to 90W

Beam

115°

Colour temperature3000K warm white - CRI \geq 804000K neutral white - CRI \geq 80**Nominal lumen output**

10W - 1400lm, 30W - 4200lm, 60W - 8400lm, 70W - 9800lm,

90W - 12600lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White

Supply voltage

220...230V, 50/60Hz

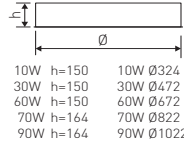
Installation

Recessed ceiling

Features



LED



LED and control gear included



10W
1400 lm
drill Ø330
3000K **AG0A1POCLEDA1PLX31**
4000K **AG0A1POCLEDA1PLX21**



30W
4200 lm
drill Ø476
3000K **AG0A1PODLEDA1PLX31**
4000K **AG0A1PODLEDA1PLX21**



60W
8400 lm
drill Ø676
3000K **AG0A1POFLEDA1PLX31**
4000K **AG0A1POFLEDA1PLX21**



70W
9800 lm
drill Ø826
3000K **AG0A1POGLEDA1PLX31**
4000K **AG0A1POGLEDA1PLX21**



90W
12600 lm
drill Ø1026
3000K **AG0A1POHLEDA1PLX31**
4000K **AG0A1POHLEDA1PLX21**



Body built in aluminium with PMMA prismatic diffuser. Electronic gear built in the luminaire. Ceiling and wall recessed installation being possible to create continuous lines.

**Power**

LED 21W, 34W

Beam

90°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

21W - 2600lm, 34W - 4400lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White

Supply voltage

220...230V, 50/60Hz

Installation

Recessed ceiling

Accessories

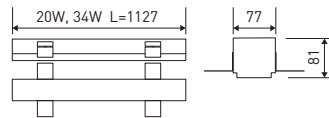
Connector

Features



LED

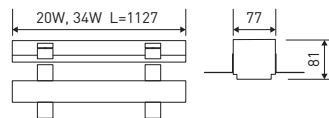
LED and control gear included



SINGLE module version

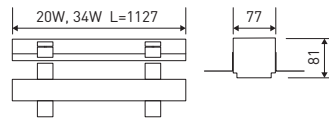
<input type="checkbox"/>	<input type="checkbox"/>
21W	34W
2600 lm	4400 lm
Drill 80 x 1141	Drill 80 x 1141
4000K AG0A1PLLL22APLX	4000K AG0A1PLLL40APLX

LEFT module



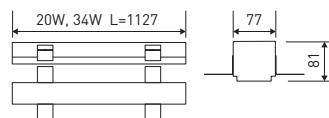
<input type="checkbox"/>	<input type="checkbox"/>
21W	34W
2600 lm	4400 lm
4000K AG0A1PLLLA26APLX	4000K AG0A1PLLLA44APLX

RIGHT module



<input type="checkbox"/>	<input type="checkbox"/>
21W	34W
2600 lm	4400 lm
4000K AG0A1PLLLB26APLX	4000K AG0A1PLLLB44APLX

MIDDLE module

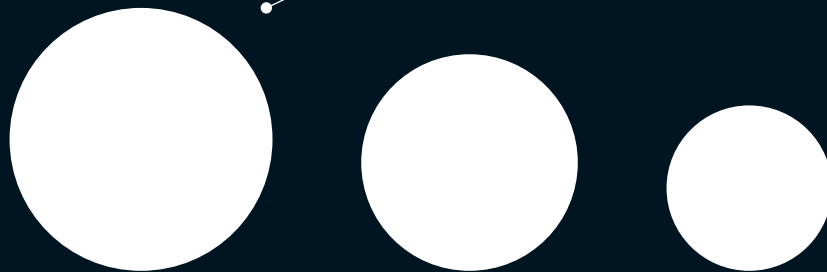


<input type="checkbox"/>	<input type="checkbox"/>
21W	34W
2600 lm	4400 lm
4000K AG0A1PLLLC26APLX	4000K AG0A1PLLLC44APLX

Accessories

Connector	AG0A1PLL-LED	Connector lineal
	AG0E1PL-L	Connector L
	AG0E1PL-T	Connector T
	AG0E1PL-+	Connector +
	AG0A1PLL-LED-SS	Connector wall-ceiling

Light fittings with simple, elegant lines and a rounded shape designed to provide high-quality illumination in galleries, museums, offices, restaurants and hotels, granting the space a singular character of its own.





CENTRUM PROFILAKTYKI NOWOTWORÓW
CENTRUM ONKOLOGICZNE
W MIASTACH WARSZAWY

Light fitting for public buildings such as banks, offices, hotels, shops or schools, where a pleasant atmosphere is needed.

Painted steel sheet body with an opal diffuser that allows glare to be controlled.



Power

LED de 13W , 37W, 65W, 71W, 111W, 169W

Beam

100°

Colour temperature

4000K neutral white - CRI \geq 80

Nominal lumen output

13W - 1400lm, 37W - 4200lm, 65W - 8400lm, 71W - 9800lm,
111W - 12600lm, 169W - 19600lm

Control gear

Electronic (EL)

IP

IP20 - IK04

Finishes

Grey

Supply voltage

220...230V, 50/60Hz

Installation

Recessed ceiling

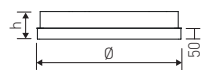
Accessories

Suspension

Features



LED



13W	Ø300 x 98
37W	Ø460 x 98
65W	Ø640 x 98
71W	Ø800 x 188
111W	Ø1000 x 188
169W	Ø1200 x 188

LED and control gear included



13W
100°
1400 lm
Ø300 x 98
4000K **AG0B2ORL30PLXA21**



37W
100°
4200 lm
Ø460 x 98
4000K **AG0B2ORL46PL42A21**



65W
100°
8400 lm
Ø640 x 98
4000K **AG0B2ORL64PL84A21**



71W
100°
9800 lm
Ø800 x 188
4000K **AG0B1ORL80PL98A21**



111W
100°
12600 lm
Ø1000 x 188
4000K **AG0B1ORL10P126A21**



169W
100°
19600 lm
Ø1200 x 188
4000K **AG0B1ORL12P196A21**

Accessories

Suspension

AG0TLZN163L34-3

IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p. 82

RECESSED LUMINAIRES p. 138

RECESSED LINEARS p. 154

SURFACE DOWNLIGHTS p. 166

SURFACE LUMINAIRES p. 178

SURFACE LINEARS p. 182

WALL - CEILING - FLOOR p. 206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

1

SPOTLIGHTS



Lightpod
p. 58



Luxcan
p. 62



Spoty
p. 70



SDIV
p. 72



Easy
p. 74



Tracks
p. 76

Lightpod is especially designed for a specialised public that needs elements that favour the experience of purchasing and enhance the firm's brand image.

 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Lightpod LED



Lightpod mini

Power

LED 13W, 25W, 38W
QR-CBC 51 max.50W - halogen or LED
HIT-TC CE 20W, 35W

Beam

LED 14°, 24°, 34°
HIT-TC CE 10°, 25°, 50°

Colour temperature

3000K warm white - CRI ≥ 90
4000K neutral white - CRI ≥ 90

Nominal lumen output

LED 13W - 1700 lm, 25W - 3000 lm, 37W - 4400 lm
HIT-TC CE 1700 lm - 3300 lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer Dali (ELDD)

IP

IP20

Finishes

White (33)
Brilliant white (93)
Black (04)
Black white (94)
Grey (21)

Supply Voltage

220... 230V, 50/60Hz

Installation

Three-phase track, base

Accessories

Reflector, base

Lightpod LED

Lightpod LED includes an optical system with a faceted specular reflector, with different light distributions: intensive, medium or extensive, and a high level of chromatic generation (CRI 90).

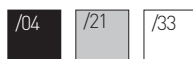
Housings made of high-pressure injected aluminium and polycarbonate. With high-purity aluminium reflectors. The ball-joints adjust the tilt to 90° and rotation to 350°. The control gears are integrated in the fixture. Includes adapter.



Features



Finishes



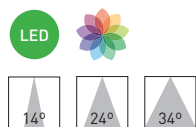
To complete the product reference, add finish

Versions:

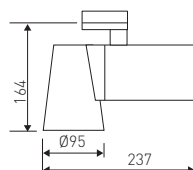
Special LED versions on request

DIMMER versions on request

2700K and 5000K versions on request



LED and control gear included



13W 14° track ³ /track ^{3e} 1700 lm 3000K 898/29310 4000K 898/29410	13W 24° track ³ /track ^{3e} 1700 lm 3000K 898/29320 4000K 898/29420	13W 34° track ³ /track ^{3e} 1700 lm 3000K 898/29340 4000K 898/29440

25W 14° track ³ /track ^{3e} 3000 lm 3000K 898/39310 4000K 898/39410	25W 24° track ³ /track ^{3e} 3000 lm 3000K 898/39320 4000K 898/39420	25W 34° track ³ /track ^{3e} 3000 lm 3000K 898/39340 4000K 898/39440
--	--	--



Surface base for spotlights with tree-phase adapter
2427

37W 14° track ³ /track ^{3e} 4400 lm 3000K 898/49310 4000K 898/49410	37W 24° track ³ /track ^{3e} 4400 lm 3000K 898/49320 4000K 898/49420	37W 34° track ³ /track ^{3e} 4400 lm 3000K 898/49340 4000K 898/49440
--	--	--

Reference options

898/20020/33



898/ /

- | | | | |
|--------|----------------|---------|-----------|
| 2- 13W | 00- Fashion | 10- 14° | 04- Black |
| 3- 25W | 01- Vegetables | 20- 24° | 21- Grey |
| 4- 37W | 92- 2700K | 30- 34° | 33- White |
| | 93- 3000K | | |
| | 94- 4000K | | |
| | 85- 5000K | | |
| | 06- Meat | | |
| | 07- Sausages | | |
| | 08- Fish | | |
| | 09- Bakery | | |

Reference options for control gear

898/ D/

D= Dim 1-10V

898/ DD/

DD= DALI

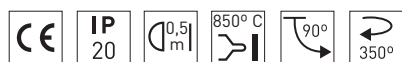
Lightpod mini

Mini Lightpod is a new range of small spotlights characterized by its adaptation in any space and decorative style, thanks to its integrating aesthetic and to its great flexibility. The end user can choose from a variety of options, and this choice will change the final look.

Die-cast aluminium and polycarbonate housing. The luminaire is completed by two reflectors. Reflectors are made in aluminium and two shapes: cylindrical and spherical. The range is presented with a new high glossy double-layer providing a glossy finish (in black or white). The ball-joints adjust the tilt to 90°, and rotation to 350°.



Features



Finishes



Finishes REFLECTOR

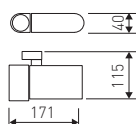


To complete the product reference, add finish

LED GU5.3 QR-CBC 51

Gear-box to fit with all available reflectors

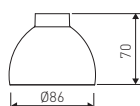
For LED lamp



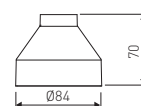
max. 50W
track³
899/50



Spherical reflector
E/899



Cylindrical reflector
C/899

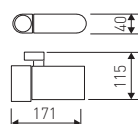




GU6.5 **HIT-TC CE**

Gear-box to fit with all available reflectors

Lamp and control gear included

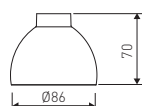


20W
track³
1700 lm
3000K **899/20**

35W
track³
3300 lm
3000K **899/35**



Spherical reflector
whit protective glass
10°
SE/899

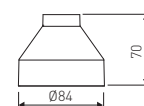


25°
ME/899

50°
WE/899



Cylindrical reflector
whit protective glass
10°
SC/899



25°
MC/899

50°
WC/899

Base



Surface base for spotlights with three-phase adapter
2427

Cylindrical LED projector for high quality luminous projection. Timeless design with full integration of the equipment into the projector without auxiliary gear box. A high degree of integration of various architectural spaces is achieved with no detrimental effect on their aesthetics. Ideal for accent applications in commercial spaces, window dressing and numerous indoor spaces.



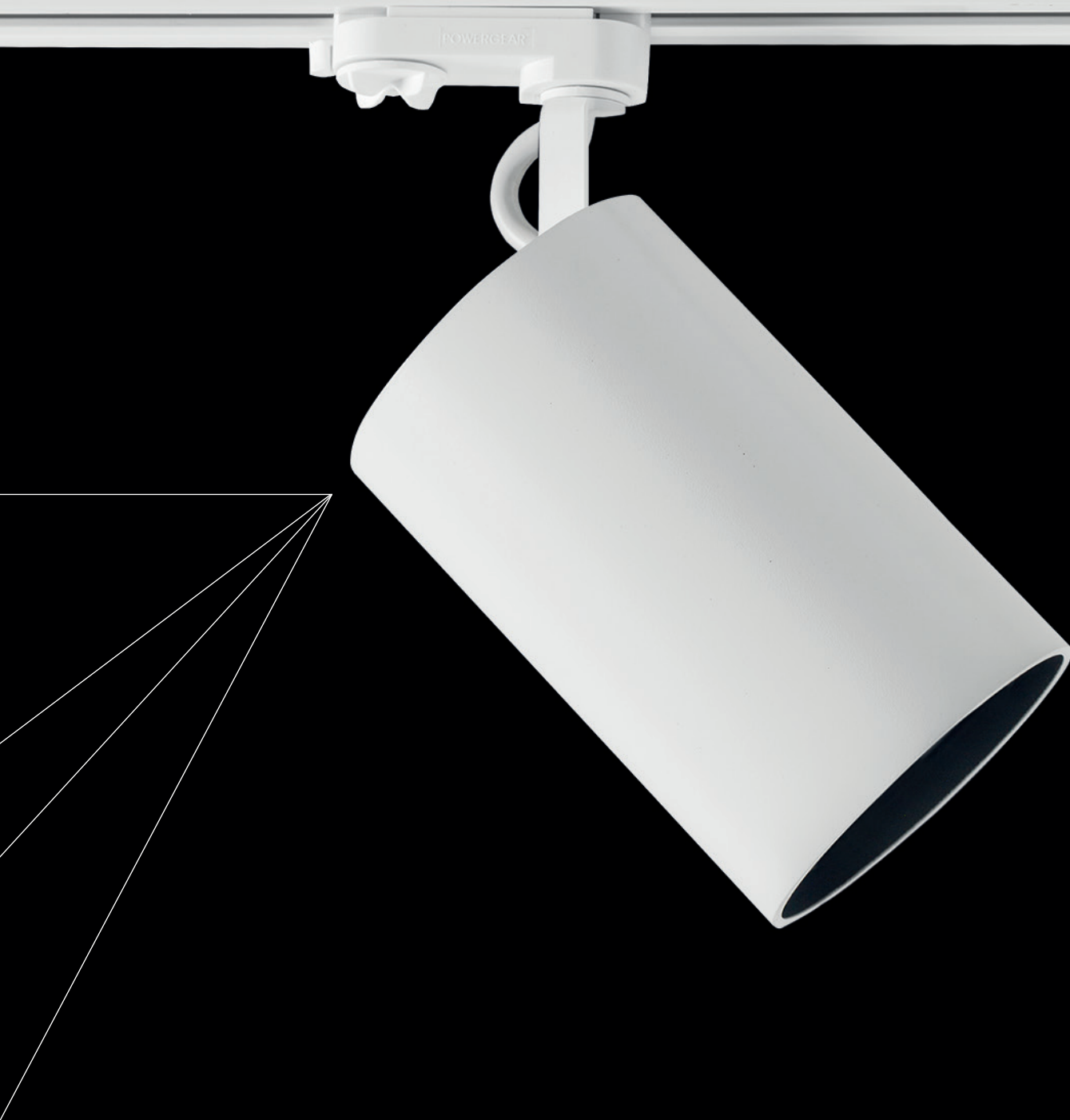
Luxcan LENS



Luxcan MINI



Luxcan MULTI LENS



Single-piece cylindrical projector built in extruded aluminium. Different high quality Axalta paint finishes. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. The optical system is composed of a polycarbonate lens which casts a perfect beam without halos. LED and equipment incorporated.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power

LED 25W

Beam

Spot 12°, 24°, 36°

Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

25W - 3000 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

Grey (27)

Anthracite (22)

White (63)

Copper (85)

Gold (92)

Supply Voltage

220...240V, 50/60Hz

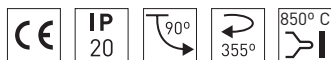
Installation

Three-phase track

Accessories

Base, honeycomb mesh

Features



Finishes

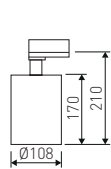


To complete the product reference, add finish

Versions:

Special LED versions on request
 DIMMER versions on request
 2700K and 5000K versions on request
 Versions for vertical rail on request

LED and control gear included



25W
 12°
 track³
 3055 lm
 3000K **11.1524.9312**
 4000K **11.1524.9412**

25W
 24°
 track³
 3055 lm
 3000K **11.1524.9324**
 4000K **11.1524.9424**

25W
 36°
 track³
 3055 lm
 3000K **11.1524.9336**
 4000K **11.1524.9436**

Accessories



Surface base for spotlights with tree-phase adapter
2427



Honeycomb mesh
11.1523.0002.04



Reference options

11.1524.1012.85



11.1524.



- 1- On/Off
- 2- Dim 1-10V
- 3- Dali



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K
- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 12- 12°
- 24- 24°
- 36- 36°



- 04- Black
- 22- Anthracite
- 27- Grey
- 63- White
- 85- Copper
- 92- Gold

Single-piece cylindrical projector built in extruded aluminium. Different high quality Axalta paint finishes are available. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. The optical system is composed of a polycarbonate lens which casts a perfect beam without halos. LED and equipment incorporated



Power	LED 13W
Beam	12°, 24°
Colour temperature	3000K warm white - CRI ≥ 90 4000K neutral white - CRI ≥ 90
Nominal lumen output	13W - 1600 lm
Control gear	Electronic (EL)
IP	IP20
Finishes	Black (04) Anthracite (22) Grey (27) White (63) Copper (85) Gold (92)
Supply Voltage	220...240V, 50/60Hz
Installation	Three-phase track
Accessories	Base

Features



Finishes

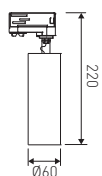


To complete the product reference, add finish

LED



LED and control gear included



13W
12°
track³
1600 lm
2700K **11.1539.1921**
3000K **11.1539.1931**
4000K **11.1539.1941**



13W
24°
track³
1600 lm
2700K **11.1539.1922**
3000K **11.1539.1932**
4000K **11.1539.1942**

Accessories



Surface base for spotlights with tree-phase adapter
2427



Maremoto, Spain

Single-piece cylindrical projector built in extruded aluminium. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. Optical system composed by individual LEDs with collimating lens, and asymmetrical or elliptical technical diffusers. The elliptical version allows for a 90-degree turn of the diffusers, which enables guidance of the projected LED ellipse and incorporated system.



Power

LED 10W, 13W, 24W

Beam

spot 7°, elliptical 50° + 20°, asymmetric 15^a

Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

10W - 1400 lm, 13W - 1800 lm, 24W - 2100 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

White (63)

Supply Voltage

220...240V, 50/60Hz

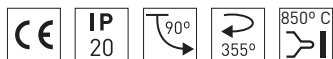
Installation

Three-phase track

Accessories

Base

Features



Finishes

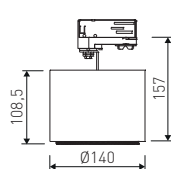
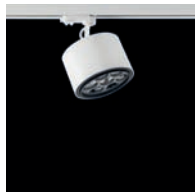


To complete the product reference, add finish

Versions:

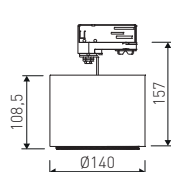
2700K and 5000K versions on request
DIMMER versions on request

LED



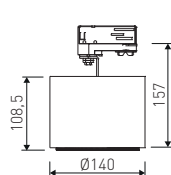
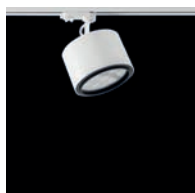
□ ■
10W
spot 7°
track ³
1400 lm
3000K **11.1536.0031**
4000K **11.1536.0041**

LED and control gear included



□ ■
13W
elliptical 50° + 20°
track ³
1800 lm
3000K **11.1536.0032**
4000K **11.1536.0042**

LED and control gear included



□ ■
24W
asymmetric 15°
track ³
2100 lm
3000K **11.1536.0033**
4000K **11.1536.0043**

LED and control gear included

Accessories



■ □ □
Surface base for spotlights with
three-phase adapter
2427



Family of cylindrical projectors and big formal simplicity that thank to a timeless design allows a high degree of integration in many architectural spaces without interfere in their aesthetics.

Under a universal appearance, Spoty, integrates the most sophisticated LED light sources and different perspective accent that makes a more suitable application in commercial spaces, window displays or large indoor spaces.

Features

Constructed of aluminum. It incorporates a system of orientation by fork allowing a vertical turn of 90° and a 360° horizontal rotation.

The applied LED technology gives them a long service life, a luminous flow maintenance and a color rendering index over the life of the product.

Available in both semi-intensive and extensive that integrate faceted reflectors in high purity aluminum. LED auxiliary equipment are integrated into the body of the luminaire.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power

LED 25W, 38W

Beam

20°, 40°, Wall washer 15°

Color temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

25W - 3500 lm, 37W - 5100 lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer Dali (ELDD)

IP

IP20

Finishes

White (33)
Grey (21)
Black (04)

Supply voltage

220... 240V, 50/60Hz

Installation

Three-phase electric track and base

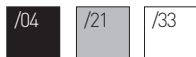
Accessories

Base

Features



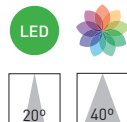
Finishes



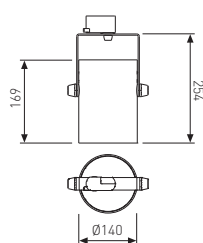
To complete the product reference, add finish

Versions:

Special LED versions on request
DIMMER versions on request
2700K and 5000K versions on request



LED and control gear included



■□□
25W
20°
track³/track^{3e}
3500 lm
3000K **798L/M8320**
4000K **798L/M8420**

■□□
25W
40°
track³/track^{3e}
3500 lm
3000K **798L/M8340**
4000K **798L/M8440**

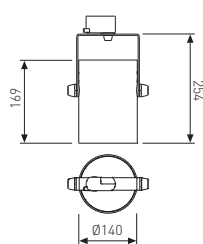
37W
20°
track³/track^{3e}
5100 lm
3000K **799L/M8320**
4000K **799L/M8420**

37W
40°
track³/track^{3e}
5100 lm
3000K **799L/M8340**
4000K **799L/M8440**



Wall washer

LED and control gear included



■□□
25W
wall washer 15°
track³/track^{3e}
3500 lm
3000K **798L/M8315**
4000K **798L/M8415**

37W
wall washer 15°
track³/track^{3e}
5100 lm
3000K **799L/M8315**
4000K **799L/M8415**



■□□
Surface base for spotlights with tree-phase adapter
2427

Reference options

799L/M8220/33



79 □ L/M □ □ □ □ / □ □ □ □

8- 25W
9- 37W

00- Fashion
01- Vegetables
02- 2700K
03- 3000K
04- 4000K
05- 5000K
06- Meat
07- Sausages
08- Fish
09- Bakery

15- Wall washer 15°
20- 20°
40- 40°

04- Black
21- Grey
33- White

Reference options for control gear

79□L/M□□□□D/□□

D= Dim 1-10V

79□L/M□□□□DD/□□

DD= DALI

As its name implies, SDIV (or Vertical Illumination System) is a range of spotlights LED specially designed to light vertical planes. Useful for temporary installations, such as stands at trade fairs, exhibitions, publicity displays...or permanent installations, such as shop shelving, library shelves, art galleries, wherever local accent lighting is required.

Features:

Housing made of injected aluminium. High-purity matt aluminium reflectors. Tempered protective glass. Various fitting positions have been designed, with horizontal and vertical anchors, fixed or mobile. Support socket for 3 different positions of 30° each. In addition to the 45° head orientation.



Vinus Brindis, Spain

Power

LED 12W

Beam

85°, 70°

Colour temperature

3000K warm white - CRI ≥ 85

Nominal lumen output

12W - 1200 lm

IP

IP20

Finishes

White (33)

Grey (21)

Black (04)

Supply voltage

220...240V, 50/60Hz

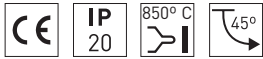
Installation

Three-phase electric track and base

Accessories

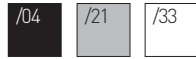
Mounts

Features



Protective Glass
Control gear not required

Finishes



To complete the product reference, add finish

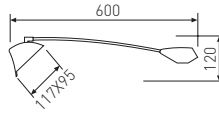
Finishes accessories



LED

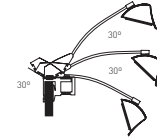
Fastening accessories also required

LED included



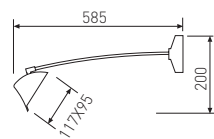
12W
85° / 70°
support socket
1200 lm
3000K **747L/83**

3-position support socket in fireproof fibre-glass reinforced polyamide. Switch included.



LED

LED included

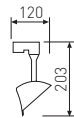


12W
85° / 70°
base to wall mounting
1200 lm
3000K **747L/BP83**

LED



LED included

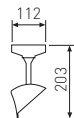


12W
85° / 70°
track³ / track^{3e}
1200 lm
3000K **747L/E83**

LED



LED included



12W
85° / 70°
base
1200 lm
3000K **747L/B83**

Accessories

Cables - Connectors



Connecting cable
L : 3 m. 3x0.75 mm²
With 2P + TT lateral pin
248/S/04

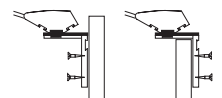
Mounts



Straight mount for
HORIZONTAL surfaces
245



Straight mount for
VERTICAL surfaces
246



A spotlight of simple design suitable for temporary or permanent exhibitions, for commercial or home use.

Features

Stamped steel housing. Injected polycarbonate joint and trim. Adjustment system for the lamp-holder position, allowing light to pass correctly between the housing and the lamp. Joint rotates up to 360° and tilts to 90°. Accessories can be added.



Galeria Moises Pérez, Spain

Power

QR-CBC51 - 50W - halogen or LED

QPAR-CB - 50W - halogen or LED

E27 - max.120W - incandescent or LED

Control gear

Electronic (EL)

IP

IP20

Finishes

White (33)

Grey (21)

Black (04)

Supply voltage

220...230V, 50/60 Hz

Installation

Three-phase electric track and base

Accessories

Reflectors

Features



Finishes



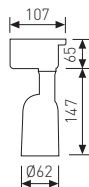
To complete the product reference, add finish

LED GU 5,3 **QR-CBC51**



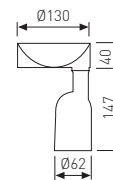
Control gear included

For LED lamp



max. 50W
track³/track^{3e}
764E

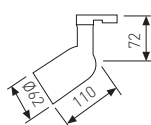
max. 50W
base
764B



LED GZ-10 **QPAR-CB**

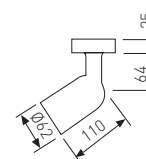


For LED lamp



max. 50W
track³/track^{3e}
765E

max. 50W
base
765/B



LED E27 **R63** máx. 60W



E27 **R80** máx. 100W



E27 **R90** máx. 60W



E27 **PAR 20** máx. 50W



E27 **PAR 30** máx. 100W



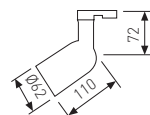
E27 **PAR 38** máx. 120W



E27 **R50** máx. 60W

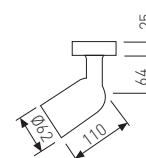


For LED lamp



max. 120W
track³/track^{3e}
766E

max. 120W
base
766/B

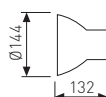


Accessories

Reflector



Extra reflector (for ref. 766), only for the following lamps: R63
39



LED E27 **R63** (máx. 60W)



For LED lamp

The electric tracks patented by Troll were the start and springboard for the growth of our brand. Nowadays, the tracks are still the most flexible option to increase, reduce or move light points on premises without having to call in a professional electrician.

The range includes systems with 3 switches for attaching, hanging or recessing, with a complete range of accessories designed for easy mounting and, of course, to provide flexibility.



Santa Gloria, Spain

Features

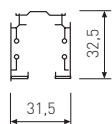


Finishes



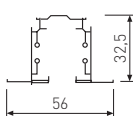
To complete the product reference, add finish

Three-phase surface track
L1+L2+LB+N+TT 16A/400V



L= 1000 mm 2420D/100	L= 2000 mm. 2420D/200	L= 3000 mm 2420D/300	L= 4000 mm 2420D/400

Three-phase recessed track
L1+L2+LB+N+TT 16A/400V



L= 1000 mm. 2421D/100	L= 2000 mm. 2421D/200	L= 3000 mm 2421D/300	L= 4000 mm. 2421D/400

Connection systems DALI

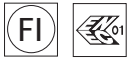
2400D End cover		2401D/01 Left		2401D/02 Right	

2402D Flexible connector		2403D/10 Continuity connector with connection		2403D Continuity connector	

2408D/02 RIGHT "L" connector, option of connection		2408D/01 LEFT "L" connector, option of connection		2407D/02 RIGHT "T" connector, option of connection	

2407D/01 LEFT "T" connector, option of connection		2407D/04 LEFT "T" connector, option of connection		2407D/03 RIGHT "T" connector, option of connection		2409D "+" connector, option of connection	

Features



Finishes



To complete the product reference, add finish

Adaptors DALI



2417D
Adaptor with cable

Suspension systems DALI



2413/00
Fastening directly to the ceiling



2431/00
Suspension clamp



2440/00
Cable suspension L=1.500 mm



2435/00
M6 Threaded stem L=2.000 mm



2434
Ceiling rose fastening



2432/00
Reinforced suspension clamp



2438/00
M6 Nut



2439/00
M6 Adjustment sleeve



2442D/33
Linear accessories cover for recessed track



2441/00
Bending tool



2418/33
Support hook

Features

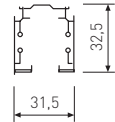


Finishes



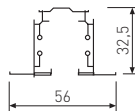
To complete the product reference, add finish

Three-phase surface track
L1+L2+LB+N+TT 16A/400V



L= 1000 mm 2420/100	L= 2000 mm. 2420/200	L= 3000 mm 2420/300	L= 4000 mm 2420/400

Three-phase recessed track
L1+L2+LB+N+TT 16A/400V



L= 1000 mm. 2421/100	L= 2000 mm. 2421/200	L= 3000 mm 2421/300	L= 4000 mm. 2421/400

Connection systems



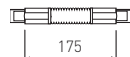
2400
End cover



2401/01
Left



2401/02
Right



2402
Flexible connector



2403/10
Continuity connector
with connection



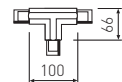
2403
Continuity
connector



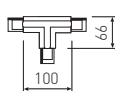
2408/02
RIGHT "L" connector, option
of connection



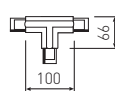
2408/01
LEFT "L" connector, option
of connection



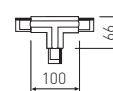
2407/02
RIGHT "T" connector, option of
connection



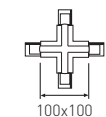
2407/01
LEFT "T" connector, option of
connection



2407/04
LEFT "T"
connector, option of connection

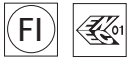


2407/03
RIGHT "T" connector, option
of connection



2409
"+" connector, option of
connection

Features



Finishes

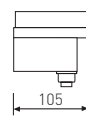


To complete the product reference, add finish

Adaptors



Surface base for spotlights with tree-phase adapter
2427



447/100
Universal adaptor for 3-phase track.
Built-in electronic transformer
12V 50VA



2417
Adaptor with cable

Suspension systems



2413/00
Fastening directly to the ceiling



2431/00
Suspension clamp



2440/00
Cable suspension L=1.500 mm



2435/00
M6 Threaded stem L=2.000 mm



2434
Ceiling rose fastening



2432/00
Reinforced suspension clamp



2438/00
M6 Nut



2439/00
M6 Adjustment sleeve



2442/33
Linear accessories cover for recessed track

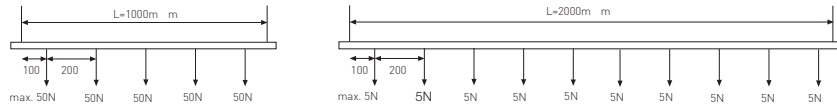


2441/00
Bending tool



2418/33
Support hook

The recommended distance between fastenings is 1m. (see load diagram). The tracks are pre-drilled at the back, for fastening directly to the ceiling. Nevertheless, there is a wide range of optional fastenings.



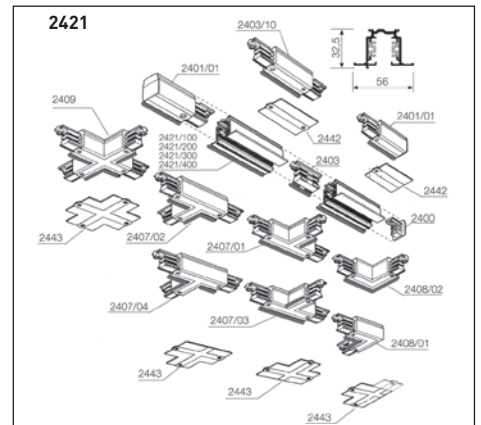
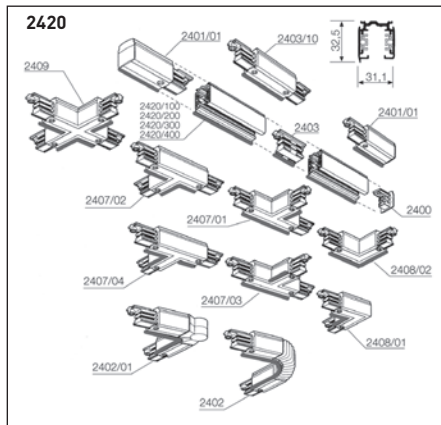
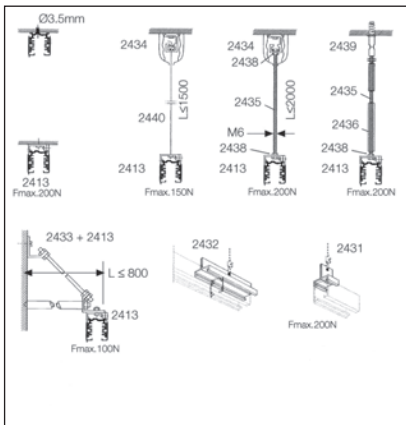
Cutting electric tracks: 242 tracks are supplied in standard lengths which can be easily cut to the required length with a metal saw or circular saw. After cutting, the conduits must be bent to a 90° angle using piece 2441. The conduits must be measured and adjusted with the plastic calibrator at one end of piece 2441. The conduit elbows are at the correct distance from the end of the track when the plastic calibrator does not jut out, but is flush with the track end.



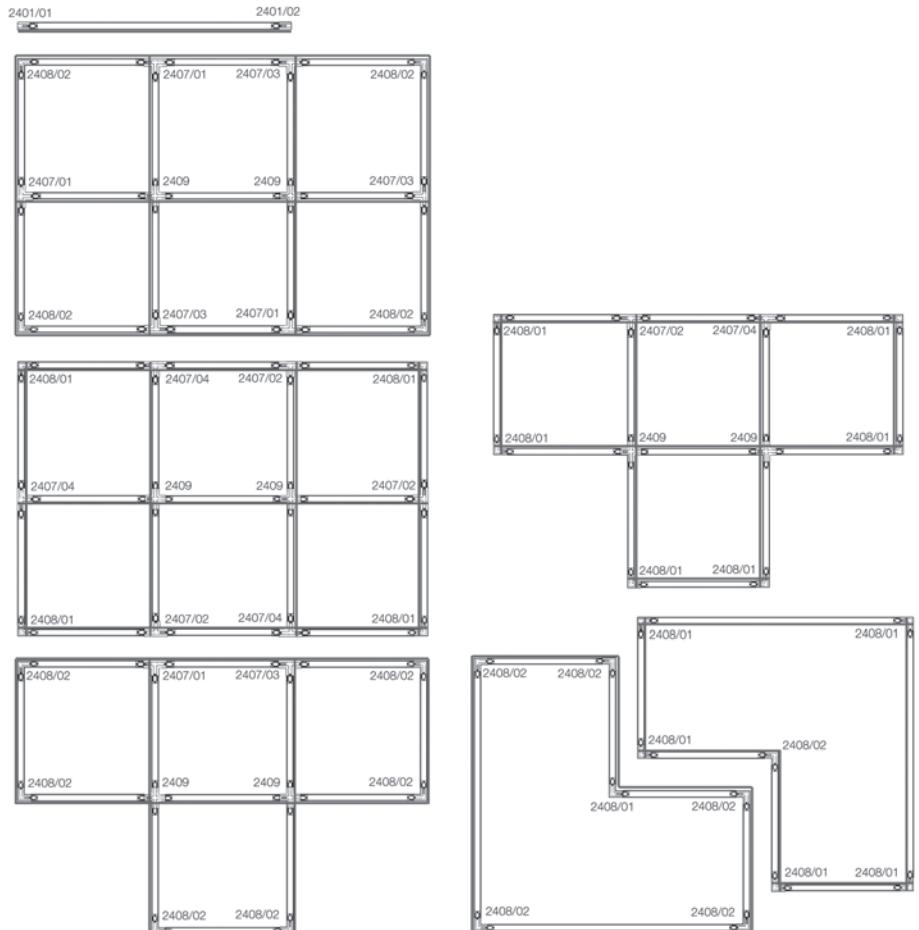
Fastening accessories

Tracks 2420 and 2421 have a rib at the bottom which determines the position of the adaptor. In order to maintain continuity, some of the coupling elements between tracks, such as "L" and "T", and connectors, must be selected bearing this in mind.

The charts below, along with the attached table of example structures, provide help with selection.



Example structures



IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p.82

RECESSED LUMINAIRES p.138

RECESSED LINEARS p.154

SURFACE DOWNLIGHTS p.166

SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

WALL - CEILING - FLOOR p.206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

2

RECESSED DOWNLIGHTS



Brim
p. 84



Contract
p. 100



Microlinear
p. 112



Zas
p. 114



Optics
p. 122



Pinhole
p. 126



Angle
p. 130



Beryllid O
p. 132



Downled
p. 134

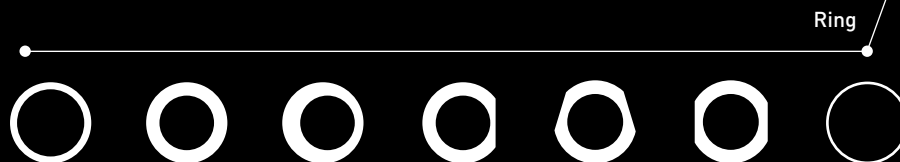
• **Brim downlights system, developed in collaboration with Artec, born from a brilliant study of proportions, both the essence of the product itself and its relation to the space in which it is integrated.**

Depending on your environment and needs, Brim allows a formal and functional customization to adapt to any space, retail, hospitality and even domestic projects.

By combining the key elements of the system, we define a suitable architectural solution space with various installation possibilities, from maximum integration with the ceiling versions “trimless” until all the possibilities offered by the various rings and cones.

Innovative “cutted” Rings allow the formation of downlights groups, combinations of beauty and harmony that invite formal creativity, customizable solutions to end defining unique designs. The colour range of all elements of the system allows multiple finishes to match interior space .

A careful optical design with faceted reflectors allows us to project super-spot, medium and wide beams with a high efficiency and excellent light control .





The Brim downlight is configured by combining the four light engines and the different configuration elements and finishes available.



Brim range

T1

Small fixed LED downlight.



T2

Oriented 30°/350° LED downlight.



T2 cone

Fixed LED cone downlight with high visual comfort.



Configuration Items

Light Engine

The light engine is composed by the drivers and light sources. Light engines are dimensioned with the appropriate heat sink in order to dissipate the different powers allowing a perfect light performance.

Reflectors

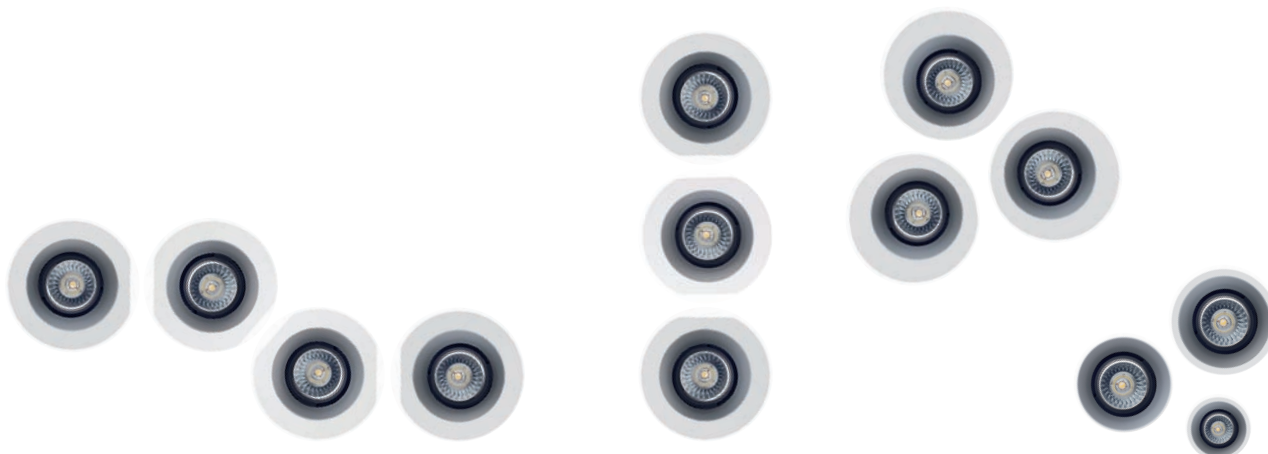
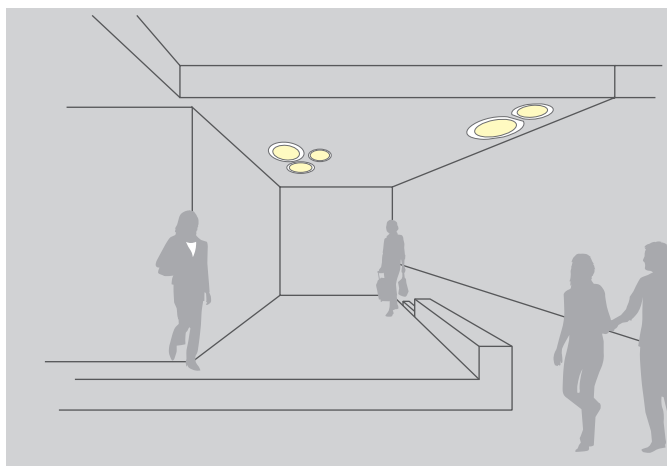
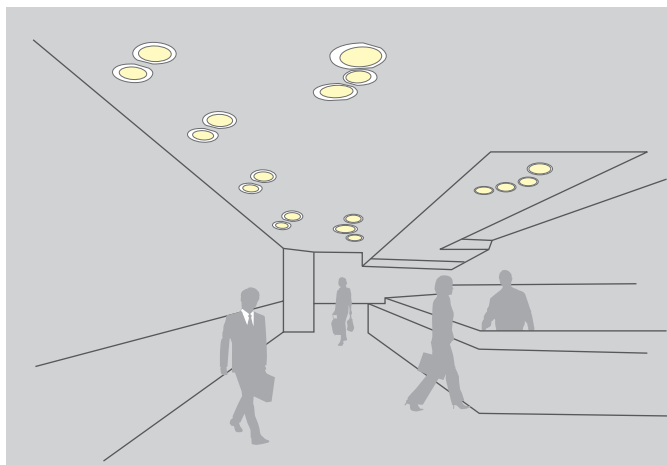
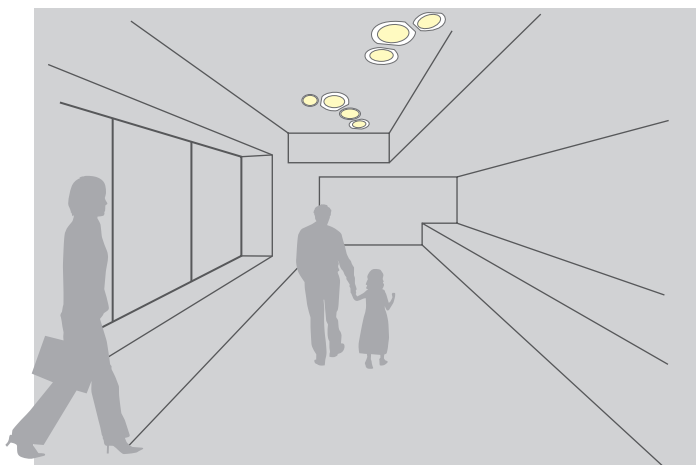
Beam patterns selection of 10°, 25° and 50° depending on the photometric requirements. High performance faceted reflectors made in high quality aluminium. Designed to minimize visual halos and maximize comfort.

Secondary reflector

The secondary reflectors offer various finishes and can be combined with rings. The colour combination options provide a highly customizable downlight.

Groups of light

The special design of the rings and the option to combine them in size and shape allows the formation of groups of light that enhance and streamline the architectural environment.



Ring

The rings are essential and differential part of this family of downlights. Rings are made in die cast aluminium and offer us the possibility of individual installation or grouped in an infinite variety of combinations and formats.



Basic



Symmetric



Eccentric



Lateral



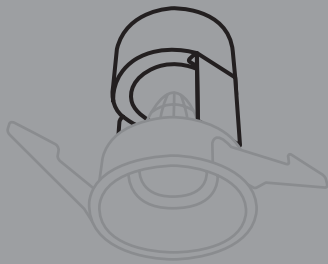
Angular



Parallel

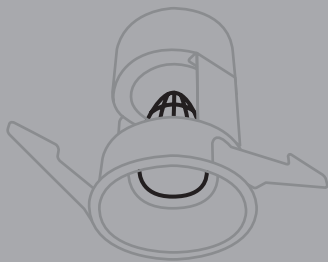


Trim less



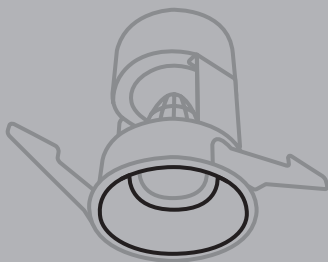
Light engine

LED light engine in passive cooling.
Incorporates control gear.



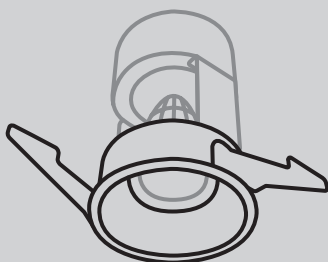
Reflectors

Faceted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



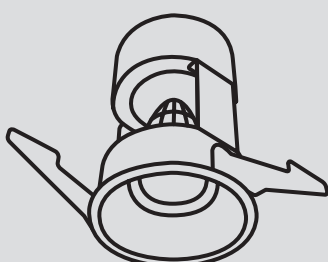
Secondary reflector

Made of polycarbonate and available in specular finish, gold, white, black and grey. Installed by manual clipping.



Rings

Built in aluminium die cast define the desired setup type versions symmetric, eccentric or combined in groups of luminaries "trimless". Available in black, grey, white and gold.



LED

1120 = LED 7W - 2700K - gear box EL

1100 = LED 7W - 3000K - gear box EL

1101 = LED 7W - 4000K - gear box EL

1121 = LED 15W - 2700K - gear box EL

1110 = LED 15W - 3000K - gear box EL

1111 = LED 15W - 4000K - gear box EL

11. XXXXX . XXXX . XX



10 = Beam 10°

SPOT



25 = Beam 25°

MEDIUM



50 = Beam 50°

WIDE

11. ■■■■ XX XX . XX



0 = Without secondary reflector for versions with symmetric and eccentric ring.



1 = Secondary reflector grey colour

2 = Secondary reflector gold colour

3 = Secondary reflector white colour

4 = Secondary reflector black colour

7 = Secondary reflector specular colour

11. ■■■■ . ■■ X . XX



1.02 = Basic gold colour

1.04 = Basic black colour

1.21 = Basic grey colour

1.33 = Basic white colour



4.02 = Eccentric gold colour

4.04 = Eccentric black colour

4.21 = Eccentric grey colour

4.33 = Eccentric white colour



3.02 = Symmetric gold colour

3.04 = Symmetric black colour

3.21 = Symmetric grey colour

3.33 = Symmetric white colour



2.33 = Trimless white colour

11. ■■■■ . ■■ X . XX

Accessory references

11.1200.0001.00 (protection glass)

IP
44

11.1200.0003.00 (anti glare honeycomb)

11. ■■■■ . ■■■■ . ■■

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



Product definition

Full downlight is set by selecting the different elements available.
The product is ready for installation.

Description

LED Light Engine with driver included.
Built in aluminium and stamped steel.
Facetted reflector made of high purity aluminium.
Secondary ring made of injected polycarbonate.
Basic ring made of die cast aluminium and installation springs made of stainless steel.
Accessory rings made of polycarbonate.
Active heat sink.

LED features

- Real wattage: 7W / 15W
- Colour temperature: 2700K / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- LED luminous flux: 800 lm / 1365 lm
- CRI: 85

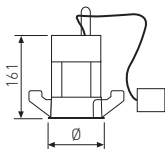
Installation

Recessed installation on roof from 1mm to 20 mm
Hole diameter of installation Ø 78-80 mm
Hole diameter of installation for trim less version: Ø 90 mm

T1



LED and control gear included



7W
2700K **11.1120**
3000K **11.1100**
4000K **11.1101**

15W
2700K **11.1121**
3000K **11.1110**
4000K **11.1111**



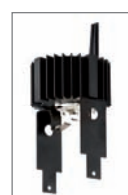
BASIC Ø82



SYMMETRIC Ø91



ECCENTRIC Ø91



+



+





Oriented light engine

Available in versions for LED light sources.



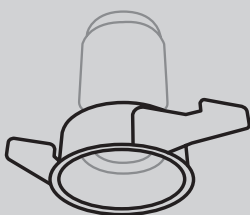
Reflectors

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



Secondary reflector

Made of polycarbonate and available in specular finish, gold, white, black and grey. Installed by manual clipping.



Rings

Built in aluminium die cast define the desired setup type versions symmetric, eccentric or combined in groups of luminaries "trimless". Available in black, grey, white and gold.





- 1216 = LED 21W - 2700K - gear box EL
- 1220 = LED 21W - 3000K - gear box EL
- 1224 = LED 21W - 4000K - gear box EL
- 1222 = LED 21W - 3000K - gear box ELDD (DALI)
- 1226 = LED 21W - 4000K - gear box ELDD (DALI)
- 1217 = LED 31W - 2700K - gear box EL
- 1221 = LED 31W - 3000K - gear box EL
- 1225 = LED 31W - 4000K - gear box EL
- 1223 = LED 31W - 3000K - gear box ELDD (DALI)
- 1227 = LED 31W - 4000K - gear box ELDD (DALI)

11. XXXXX . XXXX . XX



10 = Beam 10°
SPOT



25 = Beam 25°
MEDIUM



50 = Beam 50°
WIDE

11. ■■■■ X X X X . XX

- 1 = Secondary reflector grey colour
- 2 = Secondary reflector gold colour
- 3 = Secondary reflector white colour
- 4 = Secondary reflector black colour
- 7 = Secondary reflector specular colour

11. ■■■■ . ■■ X X . XX



- 1.02 = Basic gold colour
- 1.04 = Basic black colour
- 1.21 = Basic grey colour
- 1.33 = Basic white colour



- 5.02 = Lateral gold colour
- 5.04 = Lateral black colour
- 5.21 = Lateral grey colour
- 5.33 = Lateral white colour



- 3.02 = Symmetric gold colour
- 3.04 = Symmetric black colour
- 3.21 = Symmetric grey colour
- 3.33 = Symmetric white colour



- 6.02 = Parallel gold colour
- 6.04 = Parallel black colour
- 6.21 = Parallel grey colour
- 6.33 = Parallel white colour



- 4.02 = Eccentric gold colour
- 4.04 = Eccentric black colour
- 4.21 = Eccentric grey colour
- 4.33 = Eccentric white colour



- 7.02 = Angular gold colour
- 7.04 = Angular black colour
- 7.21 = Angular grey colour
- 7.33 = Angular white colour



- 2.33 = Trimless white colour

11. ■■■■ . ■■■■ X X X X

Accessory references

11.1200.0001.00 (protection glass)



11.1200.0003.00 (anti glare honeycomb)

11. ■■■■ . ■■■■ . ■■

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



Product definition

Full downlight is set by selecting the different elements available.
The product is ready for installation.

Description

Oriented light engine.
Incorporates LED basic product structure and gear box.
Built in aluminium and stamped steel.
Facetted reflector made of high purity aluminium.
Secondary reflector made of injected polycarbonate.
Basic ring made of die cast aluminium and installation springs made of stainless steel or galvanized sheet in trim less version.
Active heat sink.

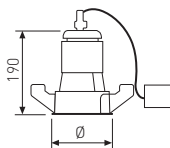
LED features

- Real wattage: 21W / 31W
- Colour temperature: 2700K / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- LED luminous flux: 21W: 1750lm
- LED luminous flux: 31W: 2800lm
- CRI: 85

Installation

Recessed installation on roof from 1mm to 20 mm
Hole diameter of installation Ø 104-106 mm
Hole diameter of installation for trim less version: Ø118 mm

T2 LED



21W
2700K **11.1216.00**
3000K **11.1220.00**
4000K **11.1224.00**

21W
control gear ELDD
3000K **11.1222.00**
4000K **11.1226.00**

LED and control gear included



Basic

Ø110



Symmetric



Eccentric



Lateral



Angular



Parallel

Ø134

31W
2700K **11.1217.00**
3000K **11.1221.00**
4000K **11.1225.00**

31W
control gear ELDD
3000K **11.1223.00**
4000K **11.1227.00**



+



+



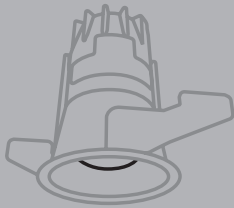
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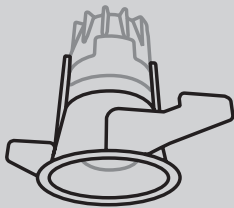
Light engine

Available in versions for LED light sources.



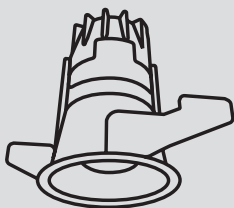
Reflector

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



Cone

Conical element ensures high visual comfort.



LED

- 1218 = LED 21W - 2700K - gear box EL
- 1220 = LED 21W - 3000K - gear box EL
- 1224 = LED 21W - 4000K - gear box EL
- 1222 = LED 21W - 3000K - gear box ELDD (DALI)
- 1226 = LED 21W - 4000K - gear box ELDD (DALI)
- 1219 = LED 31W - 2700K - gear box EL
- 1221 = LED 31W - 3000K - gear box EL
- 1225 = LED 31W - 4000K - gear box EL
- 1223 = LED 31W - 3000K - gear box ELDD (DALI)
- 1227 = LED 31W - 4000K - gear box ELDD (DALI)

11. **XXXXX** . **XXXXX** . **XX**



10 = Beam 10°
SPOT



25 = Beam 25°
MEDIUM



50 = Beam 50°
WIDE

11. **XXXX** . **XX** **XX** . **XX**



- 00.02 = Gold cone
- 00.04 = Black cone
- 00.21 = Grey cone
- 00.33 = White cone

11. **XXXX** . **XX** **XX** . **XX**

Accessory references

11.1200.0001.00 (protection glass)

IP
44

11. **XXXXX** . **XXXXX** . **XX**

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



Product definition

Full downlight is set by selecting the different elements available. The product is ready for installation.

LED features

- Real wattage: 21W / 31W
- Colour temperature: 2700 / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- Luminous flux LED 21W: 1750lm
- Luminous flux LED 31W: 2800lm
- CRI: 85

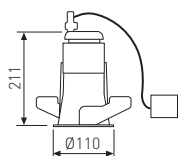
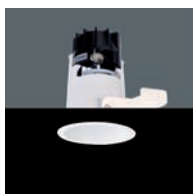
Description

Incorporates LED, basic product structure and gear box.
Built in aluminum and stamped steel.
Faceted reflector made of high purity aluminium.
Active heat sink

Installation

Recessed installation on roof from 1mm to 20 mm
Hole diameter of installation Ø 104-106 mm

T2 cono LED



21W
2700K **11.1218**
3000K **11.1220**
4000K **11.1224**

21W
control gear ELDD
3000K **11.1222**
4000K **11.1226**

LED and control gear included

31W
2700K **11.1219**
3000K **11.1221**
4000K **11.1225**

31W
control gear ELDD
3000K **11.1223**
4000K **11.1227**



+



+



Full LED downlights programme designed to meet multiple lighting requirements, scenarios and minimal energy consumption.



Contract FIXED



Contract ORIENTABLE



Contract WALL WASHER



Contract FIXED

Downlight built with a die-cast aluminium body, injected aluminium diffuser. High quality aluminium primary reflector, with polycarbonate secondary reflector. Latest-generation LED and incorporated electronic system. 1-10V and DALI dimmable versions available. Accessories: Honeycomb mesh and reflector.

Contract ORIENTABLE

Downlight built with a die-cast aluminium body, injected aluminium diffuser. It incorporates a turning system that enables 355-degree rotation and 30-degree inclination. High-quality aluminium reflectors. Latest-generation LED and incorporated electronic system 1-10V and DALI dimmable versions available. Accessories: Honeycomb mesh and reflector.

Contract WALL WASHER

Downlight built with a die-cast aluminium body, injected aluminium diffuser. High-quality aluminium reflectors with a diffuser that casts an excellent asymmetrical beam. Latest-generation LED and incorporated electronic system 1-10V and DALI dimmable versions available.

Versiones dimables 1-10V y DALI disponibles.

**LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Contract FIXED



Contract ORIENTABLE



Contract WALL WASHER

Power

LED 7W, 13W, 18W, 25W, 32W

Beam

LED 7W - 20°, 30°, 60°

LED 13W - 15°, 24°, 36°, 60°

LED 18W - 15°, 24°, 36°, 60°

LED 25W - 15°, 24°, 36°, 60°

LED 32W - 15°, 24°, 36°, 60°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

7W - 900 lm, 13W - 1700 lm, 18W - 2400 lm, 25W - 3200lm, 32W - 4300lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

IP

IP20 / 44

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

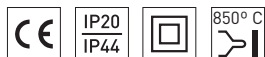
Installation

Recessed installation on roof

Accessories

Honeycomb mesh and reflector

Features



Finishes



Finishes accessories



To complete the product reference, add finish.

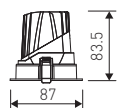
Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract FIXED



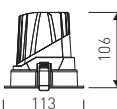
LED and control gear included



□	□	□
7W 20° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1602.1832.33 4000 K 11.1602.1842.33	7W 30° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1602.1834.33 4000 K 11.1602.1844.33	7W 60° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1602.1836.33 4000 K 11.1602.1846.33
□	□	□
7W 20° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1602.1032.33 4000 K 11.1602.1042.33	7W 30° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1602.1034.33 4000 K 11.1602.1044.33	7W 60° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1602.1036.33 4000 K 11.1602.1046.33
□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1602.1132.33 4000 K 11.1602.1142.33	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1602.1134.33 4000 K 11.1602.1144.33	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1602.1136.33 4000 K 11.1602.1146.33

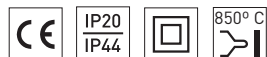


LED and control gear included



□	□	□	□
13W 15° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2831.33 4000 K 11.1602.2841.33	13W 24° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2833.33 4000 K 11.1602.2843.33	13W 36° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2835.33 4000 K 11.1602.2845.33	13W 60° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2836.33 4000 K 11.1602.2846.33
□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2031.33 4000 K 11.1602.2041.33	13W 24° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2033.33 4000 K 11.1602.2043.33	13W 36° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2035.33 4000 K 11.1602.2045.33	13W 60° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2036.33 4000 K 11.1602.2046.33
□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2131.33 4000 K 11.1602.2141.33	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2133.33 4000 K 11.1602.2143.33	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2135.33 4000 K 11.1602.2145.33	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2136.33 4000 K 11.1602.2146.33

Features



Finishes



Finishes accessories

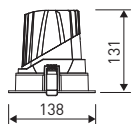
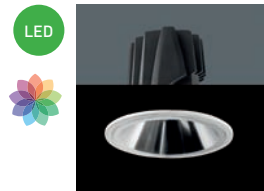


To complete the product reference, add finish.

Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract FIXED

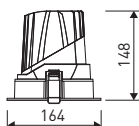
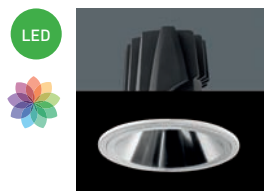


LED and control gear included

□	□	□	□
18W 15° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3831.33 4000 K 11.1602.3841.33	18W 24° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3833.33 4000 K 11.1602.3843.33	18W 36° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3835.33 4000 K 11.1602.3845.33	18W 60° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3836.33 4000 K 11.1602.3846.33

18W 15° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1602.3031.33 4000 K 11.1602.3041.33	18W 24° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1602.3033.33 4000 K 11.1602.3043.33	18W 36° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1602.3035.33 4000 K 11.1602.3045.33	18W 60° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1602.3036.33 4000 K 11.1602.3046.33
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18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3131.33 4000 K 11.1602.3141.33	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3133.33 4000 K 11.1602.3143.33	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3135.33 4000 K 11.1602.3145.33	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3136.33 4000 K 11.1602.3146.33
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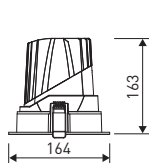
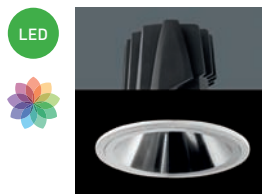
LED and control gear included

□	□	□	□
25W 15° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4831.33 4000 K 11.1602.4841.33	25W 24° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4833.33 4000 K 11.1602.4843.33	25W 36° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4835.33 4000 K 11.1602.4845.33	25W 60° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4836.33 4000 K 11.1602.4846.33

25W 15° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1602.4031.33 4000 K 11.1602.4041.33	25W 24° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1602.4033.33 4000 K 11.1602.4043.33	25W 36° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1602.4035.33 4000 K 11.1602.4045.33	25W 60° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1602.4036.33 4000 K 11.1602.4046.33
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25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4131.33 4000 K 11.1602.4141.33	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4133.33 4000 K 11.1602.4143.33	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4135.33 4000 K 11.1602.4145.33	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4136.33 4000 K 11.1602.4146.33
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Contract FIXED



□	□	□	□
32W 15° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5831.33 4000 K 11.1602.5841.33	32W 24° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5833.33 4000 K 11.1602.5843.33	32W 36° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5835.33 4000 K 11.1602.5845.33	32W 60° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5836.33 4000 K 11.1602.5846.33



LED and control gear included

32W 15° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5031.33 4000 K 11.1602.5041.33	32W 24° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5033.33 4000 K 11.1602.5043.33	32W 36° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5035.33 4000 K 11.1602.5045.33	32W 60° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5036.33 4000 K 11.1602.5046.33
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32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5131.33 4000 K 11.1602.5141.33	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5133.33 4000 K 11.1602.5143.33	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5135.33 4000 K 11.1602.5145.33	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5136.33 4000 K 11.1602.5146.33
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Accessories

Reflector Contract fixed	■ □ Reflector for 7W 11.1603.0011	■ □ Reflector for 13W 11.1603.0021	■ □ Reflector for 18W 11.1603.0031	■ □ Reflector for 24-32W 11.1603.0041
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Honeycomb mesh	■ Honeycomb mesh for 7W 11.1603.0012.04	■ Honeycomb mesh for 13W 11.1603.0022.04	■ Honeycomb mesh for 18W 11.1603.0032.04	■ Honeycomb mesh for 24 - 32W 11.1603.0042.04
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Reference options

11.1601.2163.33



11.1601. □ □ □ □ .33

- | | | | |
|--------|--------------|---------------|---------------------|
| 1- 7W | 1- On/Off | 0- Fashion | 1- 15° |
| 2- 13W | 2- Dim 1-10V | 1- Vegetables | 2- 20° (version 7W) |
| 3- 18W | 3- Dali | 2- 2700K | 3- 24° |
| 4- 25W | | 3- 3000K | 4- 30° (version 7W) |
| 5- 32W | | 4- 4000K | 5- 36° |
| | | 5- 5000K | 6- 60° |
| | | 6- Meat | |
| | | 7- Sausages | |
| | | 8- Fish | |
| | | 9- Bakery | |

Features



Finishes



Finishes accessories

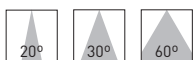
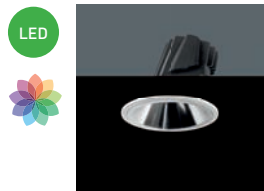


To complete the product reference, add finish.

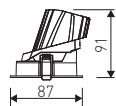
Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract ORIENTABLE



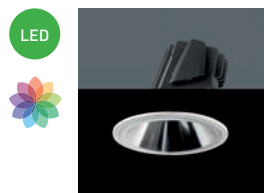
LED and control gear included



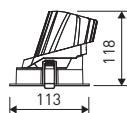
□	□	□
7W 20° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1601.1832.33 4000 K 11.1601.1842.33	7W 30° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1601.1834.33 4000 K 11.1601.1844.33	7W 60° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1601.1836.33 4000 K 11.1601.1846.33

7W 20° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1601.1032.33 4000 K 11.1601.1042.33	7W 30° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1601.1034.33 4000 K 11.1601.1044.33	7W 60° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1601.1036.33 4000 K 11.1601.1046.33
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7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1132.33 4000 K 11.1601.1142.33	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1134.33 4000 K 11.1601.1144.33	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1136.33 4000 K 11.1601.1146.33
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LED and control gear included

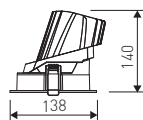


□	□	□	□
13W 15° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2831.33 4000 K 11.1601.2841.33	13W 24° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2833.33 4000 K 11.1601.2843.33	13W 36° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2835.33 4000 K 11.1601.2845.33	13W 60° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2836.33 4000 K 11.1601.2846.33

13W 15° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1601.2031.33 4000 K 11.1601.2041.33	13W 24° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1601.2033.33 4000 K 11.1601.2043.33	13W 36° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1601.2035.33 4000 K 11.1601.2045.33	13W 60° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1601.2036.33 4000 K 11.1601.2046.33
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13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2131.33 4000 K 11.1601.2141.33	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2133.33 4000 K 11.1601.2143.33	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2135.33 4000 K 11.1601.2145.33	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2136.33 4000 K 11.1601.2146.33
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Contract ORIENTABLE



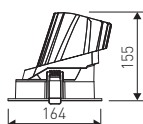
□	□	□	□
18W 15° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3831.33 4000 K 11.1601.3841.33	18W 24° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3833.33 4000 K 11.1601.3843.33	18W 36° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3835.33 4000 K 11.1601.3845.33	18W 60° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3836.33 4000 K 11.1601.3846.33



LED and control gear included

18W 15° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3031.33 4000 K 11.1601.3041.33	18W 24° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3033.33 4000 K 11.1601.3043.33	18W 36° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3035.33 4000 K 11.1601.3045.33	18W 60° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3036.33 4000 K 11.1601.3046.33
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18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3131.33 4000 K 11.1601.3141.33	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3133.33 4000 K 11.1601.3143.33	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3135.33 4000 K 11.1601.3145.33	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3136.33 4000 K 11.1601.3146.33
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□	□	□	□
25W 15° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4831.33 4000 K 11.1601.4841.33	25W 24° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4833.33 4000 K 11.1601.4843.33	25W 36° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4835.33 4000 K 11.1601.4845.33	25W 60° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4836.33 4000 K 11.1601.4846.33



LED and control gear included

25W 15° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4031.33 4000 K 11.1601.4041.33	25W 24° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4033.33 4000 K 11.1601.4043.33	25W 36° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4035.33 4000 K 11.1601.4045.33	25W 60° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4036.33 4000 K 11.1601.4046.33
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25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4131.33 4000 K 11.1601.4141.33	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4133.33 4000 K 11.1601.4143.33	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4135.33 4000 K 11.1601.4145.33	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4136.33 4000 K 11.1601.4146.33
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Features



Finishes



Finishes accessories

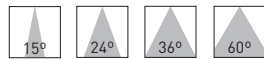
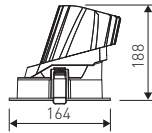


To complete the product reference, add finish.

Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract ORIENTABLE



LED and control gear included

□	□	□	□
32W 15° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5831.33 4000 K 11.1601.5841.33	32W 24° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5833.33 4000 K 11.1601.5843.33	32W 36° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5835.33 4000 K 11.1601.5845.33	32W 60° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5836.33 4000 K 11.1601.5846.33
□	□	□	□
32W 15° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5031.33 4000 K 11.1601.5041.33	32W 24° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5033.33 4000 K 11.1601.5043.33	32W 36° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5035.33 4000 K 11.1601.5045.33	32W 60° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5036.33 4000 K 11.1601.5046.33
□	□	□	□
32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5131.33 4000 K 11.1601.5141.33	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5133.33 4000 K 11.1601.5143.33	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5135.33 4000 K 11.1601.5145.33	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5136.33 4000 K 11.1601.5146.33

Accessories

Reflector
Contract orientable

■ □	■ □	■ □	■ □
Reflector for 7W 11.1603.0111	Reflector for 13W 11.1603.0121	Reflector for 18W 11.1603.0131	Reflector for 24-32W 11.1603.0141

Honeycomb mesh

■	■	■	■
Honeycomb mesh for 7W 11.1603.0012.04	Honeycomb mesh for 13W 11.1603.0022.04	Honeycomb mesh for 18W 11.1603.0032.04	Honeycomb mesh for 24 - 32W 11.1603.0042.04

Reference options

11.1602.5351.33



11.1602. □ □ □ □ .33

- | | | | |
|--------|--------------|---------------|---------------------|
| 1- 7W | 1- On/Off | 0- Fashion | 1- 15° |
| 2- 13W | 2- Dim 1-10V | 1- Vegetables | 2- 20° (version 7W) |
| 3- 18W | 3- Dali | 2- 2700K | 3- 24° |
| 4- 25W | | 3- 3000K | 4- 30° (version 7W) |
| 5- 32W | | 4- 4000K | 5- 36° |
| | | 5- 5000K | 6- 60° |
| | | 6- Meat | |
| | | 7- Sausages | |
| | | 8- Fish | |
| | | 9- Bakery | |



Contract Fixed

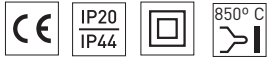


Contract Orientable



Contract Wall washer

Features



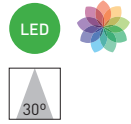
Finishes



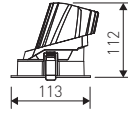
Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract WALL WASHER



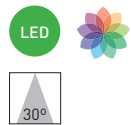
LED and control gear included



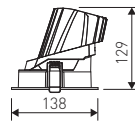
□
13W
30°
drill-hole Ø 100
control-gear EL
1700 lm
3000 K **11.1603.2830.33**
4000 K **11.1603.2840.33**

13W
30°
drill-hole Ø 100
control-gear ELD
1700 lm
3000 K **11.1603.2030.33**
4000 K **11.1603.2040.33**

13W
30°
drill-hole Ø 100
control-gear ELDD
1700 lm
3000 K **11.1603.2130.33**
4000 K **11.1603.2140.33**



LED and control gear included

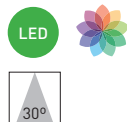


□
18W
30°
drill-hole Ø 125
control-gear EL
2400 lm
3000 K **11.1603.3830.33**
4000 K **11.1603.3840.33**

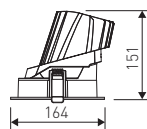
18W
30°
drill-hole Ø 125
control-gear ELD
2400 lm
3000 K **11.1603.3030.33**
4000 K **11.1603.3040.33**

18W
30°
drill-hole Ø 125
control-gear ELDD
2400 lm
3000 K **11.1603.3130.33**
4000 K **11.1603.3140.33**

Contract WALL WASHER



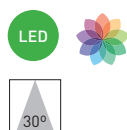
LED and control gear included



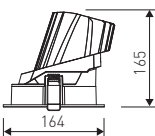
□
25W
30°
drill-hole Ø 150
control-gear EL
3200 lm
3000 K **11.1603.4830.33**
4000 K **11.1603.4840.33**

25W
30°
drill-hole Ø 150
control-gear ELD
3200 lm
3000 K **11.1603.4030.33**
4000 K **11.1603.4040.33**

25W
30°
drill-hole Ø 150
control-gear ELDD
3200 lm
3000 K **11.1603.4130.33**
4000 K **11.1603.4140.33**



LED and control gear included



□
32W
30°
drill-hole Ø 150
control-gear EL
4300 lm
3000 K **11.1603.5830.33**
4000 K **11.1603.5840.33**

32W
30°
drill-hole Ø 150
control-gear ELD
4300 lm
3000 K **11.1603.5030.33**
4000 K **11.1603.5040.33**

32W
30°
drill-hole Ø 150
control-gear ELDD
4300 lm
3000 K **11.1603.5130.33**
4000 K **11.1603.5140.33**

Opciones de referencia

11.1603.4830.33



11.1603.



2- 13W
3- 18W
4- 25W
5- 32W



8- On/Off
0- Dim 1-10V
1- Dali



0.33

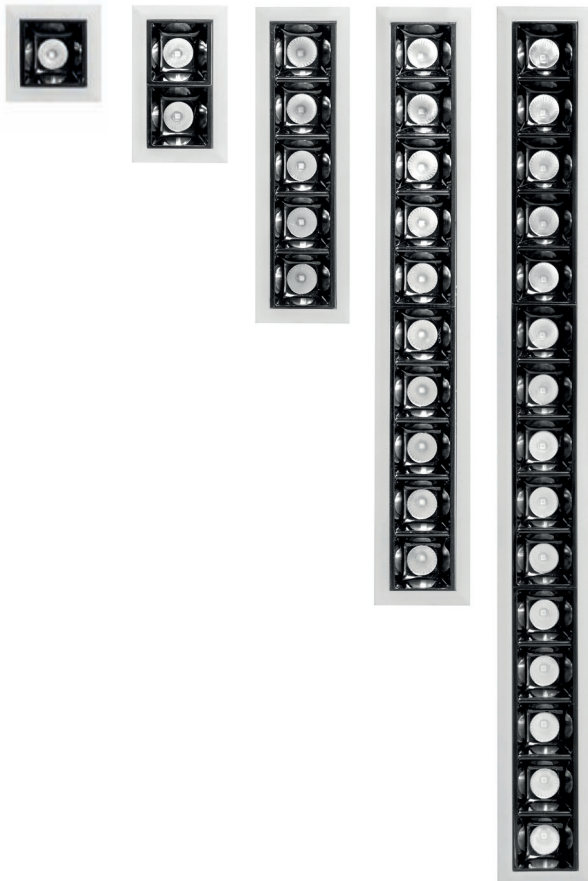
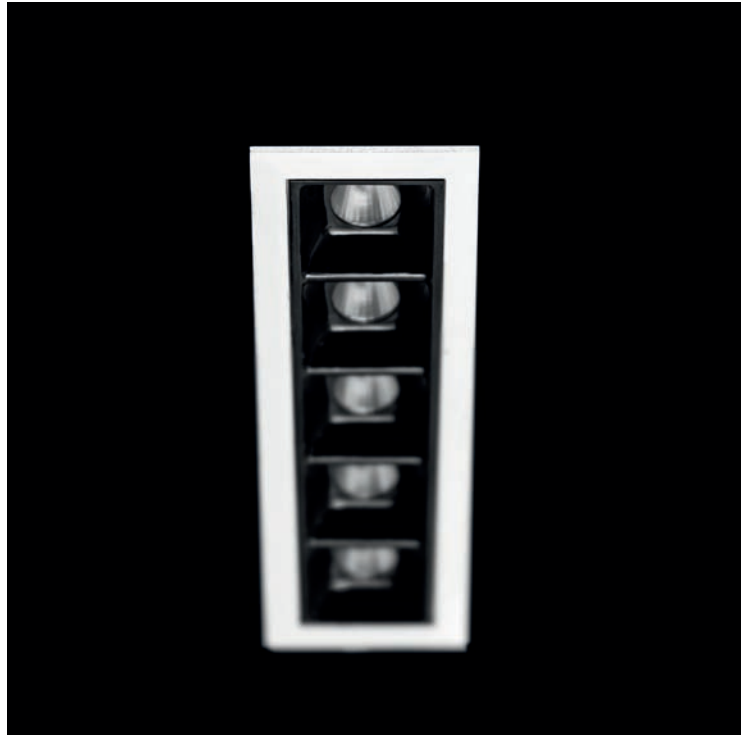
0- Fashion
1- Vegetables
2- 2700K
3- 3000K
4- 4000K
5- 5000K
6- Meat
7- Sausages
8- Fish
9- Bakery

Simplicity and flexibility to integrate a minimalist architecture, that invites us to look at from another point of view to find solutions that break with the rigidity of the established canons.

Features:

LED recessed luminaire designed with a minimalist rectangular shape.

Housing built in die-cast aluminum with black buffer made of polycarbonate. Optical system designed to provide diffused light distribution, based on high efficiency reflectors and transparent PMMA micro-prismatic diffuser with optimized geometry texture. The special acrylic material-film combined with the light distribution of the reflector ensures a comfortable level of lighting. Electronic power supply connected to the luminaire included.



Power

LED 2W, 4W, 10W, 20W, 30W

Beam

18°, 25°

Colour temperature

2700K blanco cálido - CRI \geq 90

3000K blanco cálido - CRI \geq 90

Nominal lumen output

2W - 220lm, 4W - 440lm, 10W - 1100lm, 20W - 2200lm, 30W - 3300lm

Control gear

Electronic (EL)

IP

IP 20

Finishes

Negro (04)

Blanco (63)

Supply voltage

220... 240V, 50/60Hz

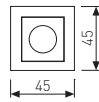
Features



Finishes



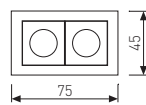
To complete the product reference, add finish



2W
18°
drill-hole 35 x 35
control gear EL
220lm
2700K **11.1701.1211.**
3000K **11.1701.1311.**



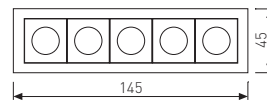
2W
25°
drill-hole 35 x 35
control gear EL
220lm
2700K **11.1701.1221.**
3000K **11.1701.1321.**



4W
18°
drill-hole 35 x 65
control gear EL
440lm
2700K **11.1701.2311.**
3000K **11.1701.2311.**



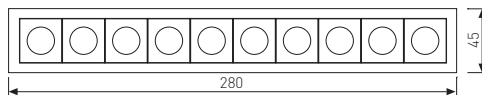
4W
25°
drill-hole 35 x 65
control gear EL
440lm
2700K **11.1701.2321.**
3000K **11.1701.2321.**



10W
18°
drill-hole 35 x 135
control gear EL
1100lm
2700K **11.1701.3211.**
3000K **11.1701.3311.**



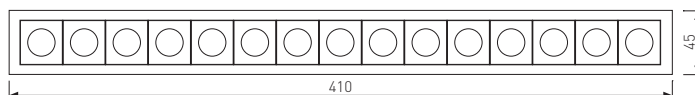
10W
25°
drill-hole 35 x 135
control gear EL
1100lm
2700K **11.1701.3221.**
3000K **11.1701.3321.**



20W
18°
drill-hole 35 x 270
control gear EL
2200lm
2700K **11.1701.4211.**
3000K **11.1701.4311.**



20W
25°
drill-hole 35 x 270
control gear EL
2200lm
2700K **11.1701.4221.**
3000K **11.1701.4321.**



30W
18°
drill-hole 35 x 400
control gear EL
3300lm
2700K **11.1701.5211.**
3000K **11.1701.5311.**



30W
25°
drill-hole 35 x 400
control gear EL
3300lm
2700K **11.1701.5221.**
3000K **11.1701.5321.**

Recessed small downlight LED with a square frame and with Cardan system. Great energy savings in general lighting applications. Guidance system that provides multiple options commercial and domestic spaces lighting.

 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



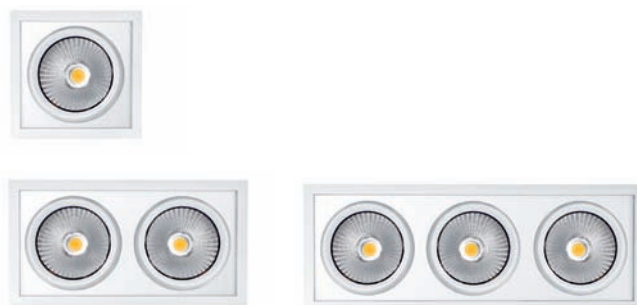
Power
LED 2W, 13W, 25W, 38W GU10 max. 50W G53 max.100W
Beam
2W - asymmetric 13W - 25°, 40° 25W - 25°, 40° 37W - 30°
Colour temperature
3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80
Nominal lumen output
2W - 150 lm, 13W - 2000 lm, 25W - 3500 lm, 37W - 5100lm
Control gear
Electronic (EL) Electronic Dimmer (ELD) Electronic Dimmer Dali (ELDD)
IP
IP20, IP20/44
Finishes
White (33) - (53) Black (04) Grey (21)
Supply voltage
220... 240V, 50/60Hz
Installation
Recessed installation on roof
Accessories
Reflector 20°, 60°

mini Zas Cardan

Built in coated sheet steel and composed of two concentric injected aluminium rings, linked by their axes with individual lens tilting systems.

Switchboard for cable derivation and terminal strip for connection included.

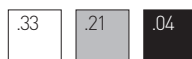
Installation using sliding sheet steel parts to fix the luminaire through.



Features



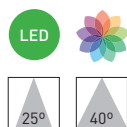
Finishes



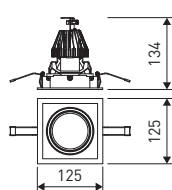
To complete the product reference, add finish.

Versions:

- Special LED versions on request
- DIMMER (ELD) versions on request
- DIMMER DALI (ELDD) versions on request
- 2700K and 5000K versions on request



LED and control gear included

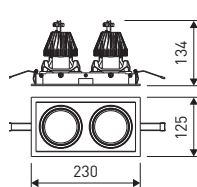


13W
25°
drill-hole 110 x 110
control-gear EL
2000 lm
3000K **11.1518.1831**
4000K **11.1518.1841**

13W
40°
drill-hole 110 x 110
control-gear EL
2000 lm
3000K **11.1518.1832**
4000K **11.1518.1842**

25W
25°
drill-hole 110 x 110
control-gear EL
3500 lm
3000K **11.1518.2831**
4000K **11.1518.2841**

25W
40°
drill-hole 110 x 110
control-gear EL
3500 lm
3000K **11.1518.2832**
4000K **11.1518.2842**



2x13W
25°
drill-hole 110 x 215
control-gear EL
2x2000 lm
3000K **11.1518.3831**
4000K **11.1518.3841**

2x13W
40°
drill-hole 110 x 215
control-gear EL
2x2000 lm
3000K **11.1518.3832**
4000K **11.1518.3842**

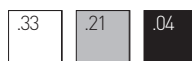
2x25W
25°
drill-hole 110 x 215
control-gear EL
2x3500 lm
3000K **11.1518.4831**
4000K **11.1518.4841**

2x25W
40°
drill-hole 110 x 215
control-gear EL
2x3500 lm
3000K **11.1518.4832**
4000K **11.1518.4842**

Features



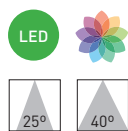
Finishes



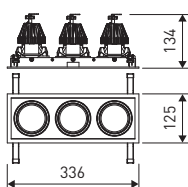
To complete the product reference, add finish.

Versions:
 Special LED versions on request
 DIMMER (ELD) versions on request
 DIMMER DALI (ELDD) versions on request
 2700K and 5000K versions on request

mini Zas Cardan



LED and control gear included



3x13W
 25°
 drill-hole 110 x 321
 control-gear EL
 3x2000 lm
 3000K **11.1518.5831**
 4000K **11.1518.5841**

3x13W
 40°
 drill-hole 110 x 321
 control-gear EL
 3x2000 lm
 3000K **11.1518.5832**
 4000K **11.1518.5842**

3x25W
 25°
 drill-hole 110 x 321
 control-gear EL
 3x3500 lm
 3000K **11.1518.6831**
 4000K **11.1518.6841**

3x25W
 40°
 drill-hole 110 x 321
 control-gear EL
 3x3500 lm
 3000K **11.1518.6832**
 4000K **11.1518.6842**

Reference options

11.1518.3851.33



11.1518.



- 1- 13W
- 2- 25W
- 3- 2x13W
- 4- 2x25W
- 5- 3x13W
- 6- 3x25W



- 0- On/Off
(for special LEDs)
- 8- On/Off
(CRI80 for 2700K,4000K, 5000K)
- 2- Dim 1-10V
- 3- Dali



- 0- Fashion
- 1- Vegetables
- 2- 2700 K
- 3- 3000K
- 4- 4000K
- 5- 5000 K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 1- 25°
- 2- 40°



- 04- black
- 21- grey
- 33- white

Zas Cardan

Made of painted steel and formed by two concentric rings in die-cast aluminium, each joined at their axes by the tilting systems on the reflectors.

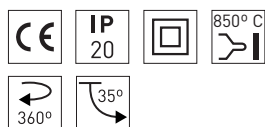
Cable conduits for derivation, connection strips included.

Installed with sliding steel elements to fix the luminaire in the cut-out.

Two models:

- With trim in die-cast aluminium.
- Without trim, fitting flush with the ceiling, include pre-installation frames to make fitting to a false ceiling easy.

Features



Finishes WITH frame



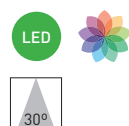
Finishes WITHOUT frame



To complete the product reference, add finish

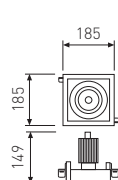
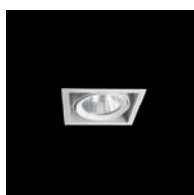
Versions:

- Special LED versions on request
- DIMMER (ELD) versions on request
- DIMMER DALI (ELDD) versions on request
- 2700K and 5000K versions on request



Reflector 20° or 60° available

LED and control gear included

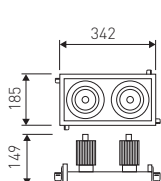
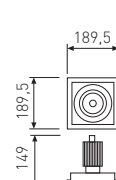


WITH frame

- 25W
- 30°
- 3500 lm
- drill-hole 170 x 170
- 3000K **0458L/8330**
- 4000K **0458L/8430**

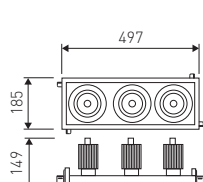
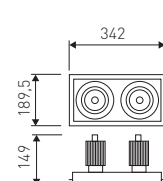
WITHOUT frame

- 25W
- 30°
- 3500 lm
- drill-hole 165 x 165
- 3000K **0558L/8330**
- 4000K **0558L/8430**



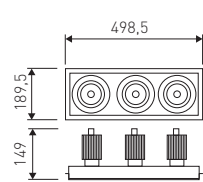
- 2x25W
- 30°
- 2x3500 lm
- drill-hole 170 x 325
- 3000K **0458L/2/8330**
- 4000K **0458L/2/8430**

- 2x25W
- 30°
- 2x3500 lm
- drill-hole 165 x 320
- 3000K **0558L/2/8330**
- 4000K **0558L/2/8430**



- 3x25W
- 30°
- 3x3500 lm
- drill-hole 170 x 480
- 3000K **0458L/3/8330**
- 4000K **0458L/3/8430**

- 3x25W
- 30°
- 3x3500 lm
- drill-hole 165 x 472
- 3000K **0558L/3/8330**
- 4000K **0558L/3/8430**



Features



Finishes WITH frame

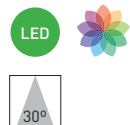


Finishes WITHOUT frame

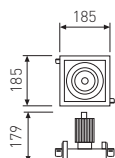
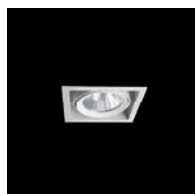


To complete the product reference, add finish

Zas Cardan



Reflector 20° or 60° available
LED and control gear included

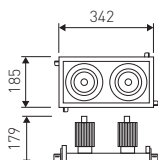
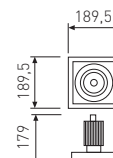


WITH frame

□
37W
30°
5100 lm
drill-hole 170 x 170
3000K **0462L/8330**
4000K **0462L/8430**

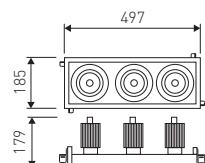
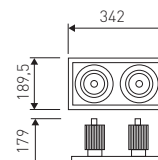
WITHOUT frame

□
37W
30°
5100 lm
drill-hole 170x165
3000K **0562L/8330**
4000K **0562L/8430**



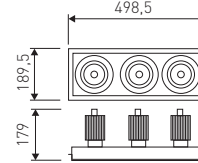
□
2x37W
30°
2x5100 lm
drill-hole 170 x 325
3000K **0462L/2/8330**
4000K **0462L/2/8430**

□
2x37W
30°
2x5100 lm
drill-hole 165 x 325
3000K **0562L/2/8330**
4000K **0562L/2/8430**



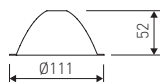
□
3x37W
30°
3x5100 lm
drill-hole 170 x 480
3000K **0462L/3/8330**
4000K **0462L/3/8430**

□
3x37W
30°
3x5100 lm
drill-hole 165 x 472
3000K **0562L/3/8330**
4000K **0562L/3/8430**

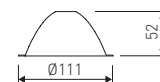


Reflector

Reflector 20°
05/0458L/20
For ref. 0458L and 0558,
0462L and 0562L
with combinations
of more than 1 lamp



Reflector 60°
05/0458/50
For ref. 0458L and 0558,
0462L and 0562L
with combinations
of more than 1 lamp



Reference options

0458L/8230/53



0458L/

0458L... = 25W with frame
0558L... = 25W without frame
0462L... = 37W with frame
0562L... = 37W without frame



00- Fashion
01- Vegetables
82- 2700K
83- 3000K
84- 4000K
85- 5000K
06- Meat
07- Sausages
08- Fish
09- Bakery

30/



04- Black
21- Grey
53- White

Multiple Versions

0458L/□ / □□ 30/□□
2 - Double 2x
3 - Double 3x

Reference options for control gear

0458L/ □□ 30D/□□
D= Dim 1-10V

0458L/ □□ 30DD/ □□
DD= DALI

Features



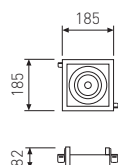
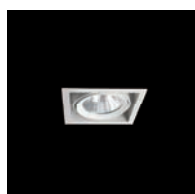
Finishes



To complete the product reference, add finish

LED G53 QR 111

For LED lamp



WITH frame

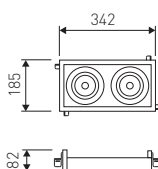
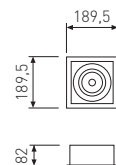


máx.100W
drill-hole 170 x 170
11.0453.0001

WITHOUT frame



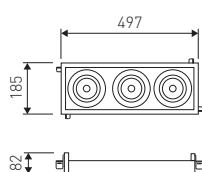
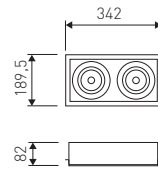
máx. 100W
drill-hole 165 x 165
11.0553.0001



2 x máx.100W
drill-hole 170 x 325
11.0453.0002



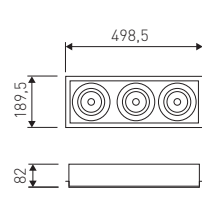
2 x máx.100W
drill-hole 165 x 320
11.0553.0002



3 x máx.100W
drill-hole 170 x 480
11.0453.0003



3 x máx.100W
drill-hole 165 x 472
11.0453.0003



Zas Cube

Black or white lacquered steel plate housing according to version and square tilt rings in die-cast aluminium.

External square frame. Finishes of the outer frame: white or grey.

Stainless steel spring clips. Cable conduits for derivation, and connection strips are included.



Features



Control gear required

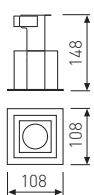
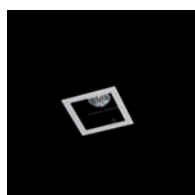
Finishes



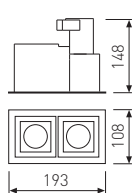
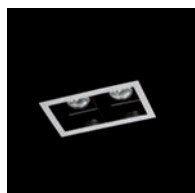
To complete the product reference, add finish

LED GU10

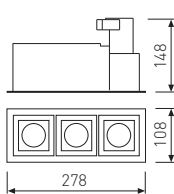
For LED lamp



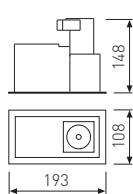
max 50W
drill 94 x 94
11.0452.0001



2 x max 50W
drill 94 x 175
11.0452.0002



3 x max 50W
drill 94 x 265
11.0452.0003



max 50W
drill 94 x 175
11.0452.0004

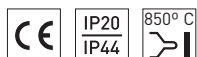
Wallwasher beam

mini Zas

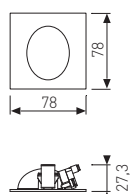
Small wall lamps built in injected aluminium.
The body design provides asymmetric beams,
ideal for beaconing wall installed at low altitude
LED and system integrated



Features



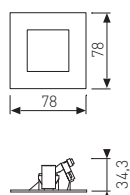
LED



□
2W
asymmetric
drill -hole Ø65
control-gear EL
150 lm
3000K **11.1605.0031.33**
4000K **11.1605.0041.33**

LED and control gear included

LED

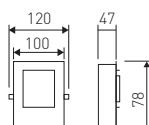


□
2W
asymmetric
drill -hole Ø65
control-gear EL
150 lm
3000K **11.1605.0032.33**
4000K **11.1605.0042.33**

LED and control gear included

Accessories mini Zas

Housing
11.1605.1901.00



Optics is a range of downlights with an optical system that guarantees extremely high efficiency compared with the products available on the market. They also have accessories that guarantee compliance with Technical Building Code (TBC) standards. Moreover, they ensure maximum visual comfort, with higher UGR values than the products of its category.



Optics LED



Optics LED
large spaces heights



Optics ECO

Power

LED 13W, 24W, 33W, 60W
TC-DEL, TC-TEL 2x18W, 2x26W, 2x32W

Beam

LED 25°, 50°, 80°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

13W - 1600lm, 24W - 3000lm, 33W - 4000lm, 54W - 8000lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer Dali (ELDD)
Emergency

IP

IP20

Finishes

White (33)

Supply voltage

220...230V, 50/60Hz

Installation

Recessed ceiling

Accessories

Diffusers, decorative trims, anti-glare element

Optics LED

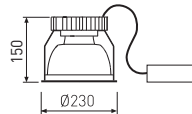
The 0250L downlight luminaire is ideal for general lighting applications. Innovative per excellence. Simple construction but with a complex system based on LED technology. LED engine features with the latest LED generation, electronic

equipment of high efficiency and an anodized high purity aluminium reflector designed to ensure excellent visual comfort. At the same time include long service life of thanks to its robust design based on passive dissipation.

Features



LED and control gear included



<p>□ 13W 80° cut-hole Ø218 control gear EL 1600 lm 3000K 0250L/TR183/33 4000K 0250L/TR184/33</p>	<p>□ 24W 80° cut-hole Ø218 control gear EL 3000 lm 3000K 0250L/TR283/33 4000K 0250L/TR284/33</p>	<p>□ 33W 80° cut-hole Ø218 control gear EL 4000 lm 3000K 0250L/TR383/33 4000K 0250L/TR384/33</p>
<p>□ 13W 80° cut-hole Ø218 control gear ELDD 1600 lm 3000K 0250L/TR183DD/33 4000K 0250L/TR184DD/33</p>	<p>□ 24W 80° cut-hole Ø218 control gear ELDD 3000 lm 3000K 0250L/TR283DD/33 4000K 0250L/TR284DD/33</p>	<p>□ 33W 80° cut-hole Ø218 control gear ELDD 4000 lm 3000K 0250L/TR383DD/33 4000K 0250L/TR384DD/33</p>
<p>□ 13W 80° cut-hole Ø218 control gear EMERGENCIA 1600 lm 3000K 0250L/TR183E/33 4000K 0250L/TR184E/33</p>	<p>□ 24W 80° cut-hole Ø218 control gear EMERGENCIA 3000 lm 3000K 0250L/TR283E/33 4000K 0250L/TR284E/33</p>	<p>□ 33W 80° cut-hole Ø218 control gear EMERGENCIA 4000 lm 3000K 0250L/TR383E/33 4000K 0250L/TR384E/33</p>

Diffusers for ref. 0250L



Diffuser + silicone seal
IP 54 - IK08
TRANSPARENT
210/TW/00

Diffuser + silicone seal
IP 54 - IK08
MATT
210/TW/03

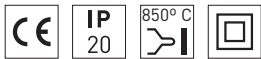
Diffuser
IP 40 - IK08
TRANSPARENT
210/00

Diffuser
IP 40 - IK08
MATT
210/03

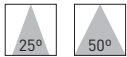
Optics LED large spaces heights

Special version designed for large spaces heights up to 6m.
Includes a high performance next-generation COB LED with passive dissipation, anodised aluminium reflector and white-painted secondary steel plate reflector.

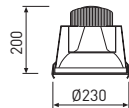
Features



LED



LED and control gear included



54W
25°
cut-hole Ø218
control gear EL
8000 lm
3000K **0585L/I6083/33**
4000K **0585L/I6084/33**

54W
50°
cut-hole Ø218
control gear EL
8000 lm
3000K **0585L/E6083/33**
4000K **0585L/E6084/33**

54W
25°
cut-hole Ø218
control gear ELDD
8000 lm
3000K **0585L/I6083DD/33**
4000K **0585L/I6084DD/33**

54W
50°
cut-hole Ø218
control gear ELDD
8000 lm
3000K **0585L/E6083DD/33**
4000K **0585L/E6084DD/33**

54W
25°
cut-hole Ø218
control gear ELDD
8000 lm
3000K **0585L/I6083DD/33**
4000K **0585L/I6084DD/33**

54W
50°
cut-hole Ø218
control gear ELDD
8000 lm
3000K **0585L/E6083DD/33**
4000K **0585L/E6084DD/33**

Optics ECO

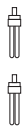
OPTICS eco belongs to a new generation of products, created to meet current needs without compromising the resources and possibilities of future generations. Optics eco is based on sustainability and energy efficiency criteria: an optical system that

guarantees above average efficiency, incorporating electronic and adjustment control gear that guarantee energy savings, extend the life of lamps and make it possible to take advantage of real lighting needs.

Features



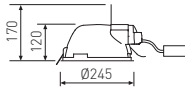
Hard-Coated© coating



G24 q2 **TC-DEL** (18W)



G24 q3 **TC-DEL** (26W)



2x18W
control-gear EL
cut-hole Ø233
diffuser transparent
EL0271/TB/33



2x18W
control-gear EL
cut-hole Ø233
diffuser matt
EL0271/OP/33

Control gear included



2x26W
control-gear EL
cut-hole Ø233
diffuser transparent
EL0273/TB/33



2x26W
control-gear EL
cut-hole Ø233
diffuser matt
EL0273/OP/33



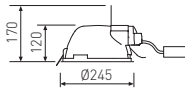
G24 q2 **TC-DEL** (18W)



G24 q3 **TC-DEL** (26W)



Gx-24-q3 **TC-TEL** (32W)



2x18W (TC-DEL)
cut-hole Ø233
control-gear ELD
ELD0271/33



2x18W (TC-DEL)
cut-hole Ø233
control-gear ELDD
ELDD0271/33

Control gear included



2x26W (TC-DEL)
2x32W (TC-TEL)
cut-hole Ø233
control-gear ELD
ELD0273/33



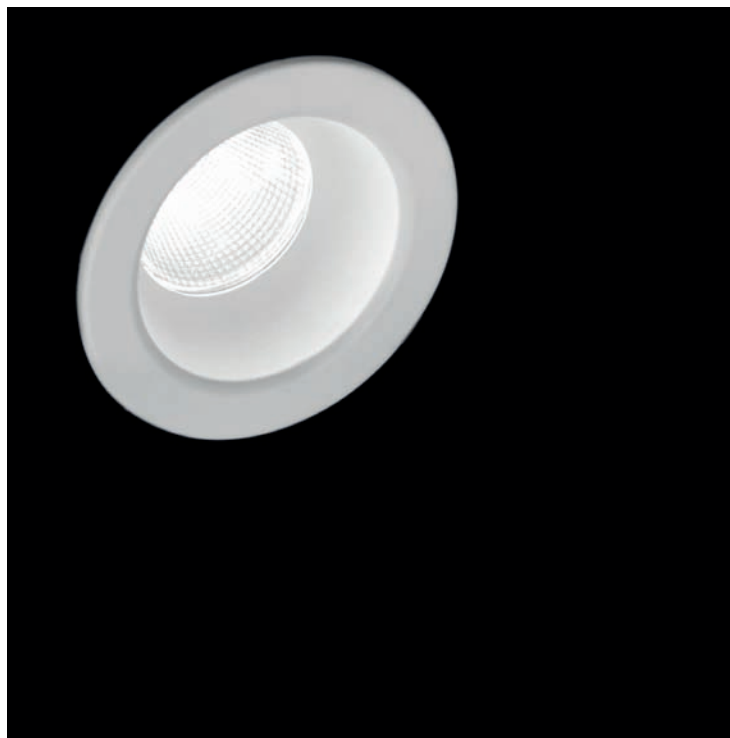
2x26W (TC-DEL)
2x32W (TC-TEL)
cut-hole Ø233
control-gear ELDD
ELDD0273/33

Recessed small downlight LED aimed at a professional public that requires quality lighting and the maximum energetic saving. Specially designed to meet the lighting requirements of hotels, commercial buildings and other commercial spaces that require small luminaires.

Features:

Downlight built with a plastic body and aluminium heat sink. Fixed and adjustable versions.

High-quality aluminium reflectors. The front elements, available as accessories, are held by magnets, which can easily replace such items and makes installation easier. Latest-generation LED and incorporated electronic system.



Power

LED 10W, 15W

Beam

LED 10W 15°, 24°, 40°

LED 15W 15°, 24°, 40°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

10W - 700 lm, 15W - 1300 lm

Control gear

Electronic (EL)

IP

IP20 / 44

Finishes

White (33)

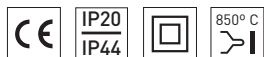
Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Features



Versions:

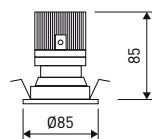
Electronic Dimmer (ELD) on request
 Electronic Dimmer Dali (ELDD) on request

Pinhole FIXED

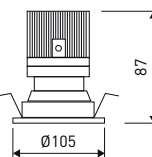
LED

Luminaire to complete with available accessories

LED and control gear included



□	□	□
10W	10W	10W
15°	24°	40°
drill-hole Ø75	drill-hole Ø75	drill-hole Ø75
control gear EL	control gear EL	control gear EL
700 lm	700 lm	700 lm
3000K 11.1547.0301.33	3000K 11.1547.0302.33	3000K 11.1547.0304.33
4000K 11.1547.0401.33	4000K 11.1547.0402.33	4000K 11.1547.0404.33



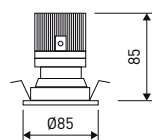
15W	15W	15W
15°	24°	40°
drill-hole Ø95	drill-hole Ø95	drill-hole Ø95
control gear EL	control gear EL	control gear EL
1300 lm	1300 lm	1300 lm
3000K 11.1547.5301.33	3000K 11.1547.5302.33	3000K 11.1547.5304.33
4000K 11.1547.5401.33	4000K 11.1547.5402.33	4000K 11.1547.5404.33

Pinhole ORIENTABLE

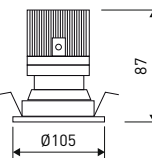
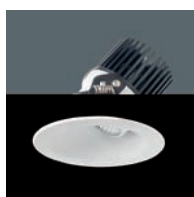
LED

Luminaire to complete with available accessories

LED and control gear included



□	□	□
10W	10W	10W
15°	24°	40°
drill-hole Ø75	drill-hole Ø75	drill-hole Ø75
control gear EL	control gear EL	control gear EL
700 lm	700 lm	700 lm
3000K 11.1547.0311.33	3000K 11.1547.0312.33	3000K 11.1547.0314.33
4000K 11.1547.0411.33	4000K 11.1547.0412.33	4000K 11.1547.0414.33



15W	15W	15W
15°	24°	40°
drill-hole Ø95	drill-hole Ø95	drill-hole Ø95
control gear EL	control gear EL	control gear EL
1300 lm	1300 lm	1300 lm
3000K 11.1547.5311.33	3000K 11.1547.5312.33	3000K 11.1547.5314.33
4000K 11.1547.5411.33	4000K 11.1547.5412.33	4000K 11.1547.5414.33

.04 .33

Decorative Trims



■ □
10W **11.1547.0001**
15W **11.1547.5001**
Fixed



■ □
10W **11.1547.0002**
15W **11.1547.5002**
Fixed / Orientable



■ □
10W **11.1547.0006**
15W **11.1547.5006**
Fixed / Orientable
SQUARE



■ □
10W **11.1547.0003**
15W **11.1547.5003**
Orientable



■ □
10W **11.1547.0004**
15W **11.1547.5004**
Fixed / Orientable



■ □
10W **11.1547.0007**
15W **11.1547.5007**
Fixed / Orientable
SQUARE



■ □
10W **11.1547.0005**
15W **11.1547.5005**
Fixed / Orientable

Reference options

11.1547.0342.33



11.1547.



0- 10W
5- 15W



3- 3000K
4- 4000K



0- On/Off, Fixed
1- On/Off, Orientable
2- Dim 1-10V, Fixed
3- Dim 1-10V, Orientable
4- Dali, Fixed
5- Dali, Orientable



1- 15°
2- 24°
3- 40°

.33



Angle is a range of varying products united by a common feature, tilting reflectors. This allows the downlight reflector to be adjusted, and accent lighting on vertical planes, as required. Especially suitable for commercial establishments.

Features:

Injected aluminium housing and exterior trim. High-purity aluminium faceted reflector. Steel spring clips. Tilting system and adjustment for the optic group at any point on semi-sphere.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Disperfum, Spain

Power

LED 25W, 37W

Beam

LED 20°, 40°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

LED 25W - 3500 lm, 37W - 5100 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

IP

IP20 /44

Finishes

White (33)

Grey (21)

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Features



Protective Glass

Finishes



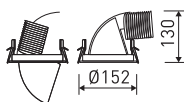
To complete the product reference, add finish

Versions:

Special LED versions on request
2700 K and 5000 K versions on request



LED and control gear included

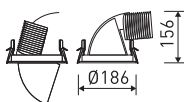


<input type="checkbox"/> <input type="checkbox"/> 25W 20° drill-hole Ø143 control-gear EL 3500 lm 3000K 0161/L8320 4000K 0161/L8420	<input type="checkbox"/> <input type="checkbox"/> 25W 20° drill-hole Ø143 control-gear ELD 3500 lm 3000K 0161/L8320D 4000K 0161/L8420D	<input type="checkbox"/> <input type="checkbox"/> 25W 20° drill-hole Ø143 control-gear ELDD 3500 lm 3000K 0161/L8320DD 4000K 0161/L8420DD
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<input type="checkbox"/> <input type="checkbox"/> 25W 40° drill-hole Ø143 control-gear EL 3500 lm 3000K 0161/L8340 4000K 0161/L8440	<input type="checkbox"/> <input type="checkbox"/> 25W 40° drill-hole Ø143 control-gear ELD 3500 lm 3000K 0161/L8340D 4000K 0161/L8440D	<input type="checkbox"/> <input type="checkbox"/> 25W 40° drill-hole Ø143 control-gear ELDD 3500 lm 3000K 0161/L8340DD 4000K 0161/L8440DD
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LED and control gear included



<input type="checkbox"/> <input type="checkbox"/> 37W 20° drill-hole Ø175 control-gear EL 5100lm 3000K 0163/L8320 4000K 0163/L8420	<input type="checkbox"/> <input type="checkbox"/> 37W 20° drill-hole Ø175 control-gear ELD 5100lm 3000K 0163/L8320D 4000K 0163/L8420D	<input type="checkbox"/> <input type="checkbox"/> 37W 20° drill-hole Ø175 control-gear ELDD 5100lm 3000K 0163/L8320DD 4000K 0163/L8420DD
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<input type="checkbox"/> <input type="checkbox"/> 37W 40° drill-hole Ø175 control-gear EL 5100lm 3000K 0163/L8340 4000K 0163/L8440	<input type="checkbox"/> <input type="checkbox"/> 37W 40° drill-hole Ø175 control-gear ELD 5100lm 3000K 0163/L8340D 4000K 0163/L8440D	<input type="checkbox"/> <input type="checkbox"/> 37W 40° drill-hole Ø175 control-gear ELDD 5100lm 3000K 0163/L8340DD 4000K 0163/L8440DD
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Reference options

0163/L0120/21



016 /L /

1- 25W
3- 37W

- 00- Fashion
- 01- Vegetables
- 82- 2700K
- 83- 3000K
- 84- 4000K
- 85- 5000K
- 06- Meat
- 07- Sausages
- 08- Fish
- 09- Bakery

20- 20°
40- 40°

21- Grey
33- White

Reference options for control gear

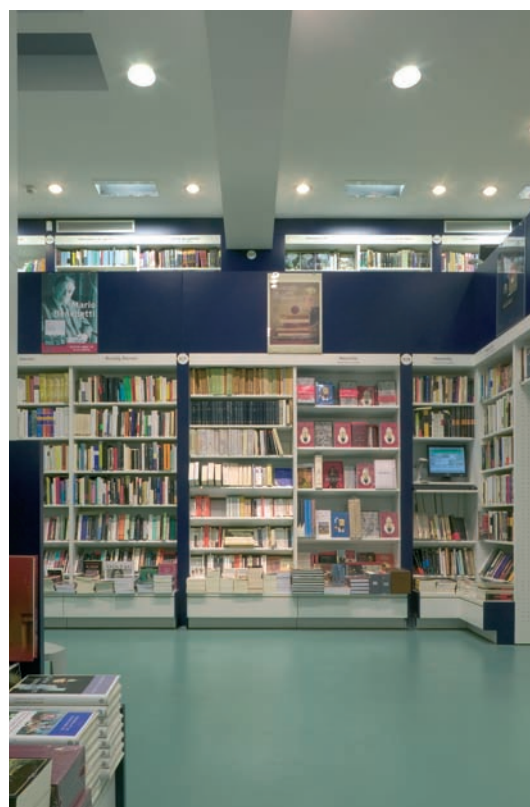
016 /L D/
D= Dim 1-10V

016 /L DD/
DD= DALI

Complete downlight programme that ensures efficient lighting with minimum consumption and ensures visual comfort for general lighting applications.

Features:

Downlight with die-cast aluminium body, plastic front piece and polycarbonate diffuser. The sink design provides excellent heat dissipation. LEDs and system incorporated. 1-10V and DALI dimmable versions available.



Power

LED 8W, 12W, 21W, 22W, 30W, 38W

Beam

80°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

8W - 1000 lm, 12W - 1500 lm, 21W - 3000 lm, 22W - 3100 lm,

30W - 4500 lm, 38W - 5100 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

IP

IP20 / 54

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Features



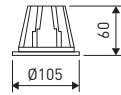
Versions:

Emergency kit on demand
for power 12W, 21W, 22W, 30W and 38W

LED



LED and control gear included



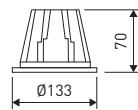
8W
80°
drill-hole Ø 95
control-gear EL
1000 lm
3000K **11.1546.3108.33**
4000K **11.1546.4108.33**



8W
80°
drill-hole Ø 95
control-gear ELD
1000 lm
3000K **11.1546.3100.33**
4000K **11.1546.4100.33**



8W
80°
drill-hole Ø 95
control-gear ELDD
1000 lm
3000K **11.1546.3101.33**
4000K **11.1546.4101.33**



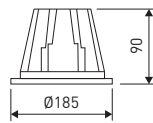
12W
80°
drill-hole Ø 120
control-gear EL
1500 lm
3000K **11.1546.3158.33**
4000K **11.1546.4158.33**



12W
80°
drill-hole Ø 120
control-gear ELD
1500 lm
3000K **11.1546.3150.33**
4000K **11.1546.4150.33**



12W
80°
drill-hole Ø 120
control-gear ELDD
1500 lm
3000K **11.1546.3151.33**
4000K **11.1546.4151.33**



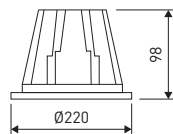
21W
80°
drill-hole Ø 175
control-gear EL
3000 lm
3000K **11.1546.3248.33**
4000K **11.1546.4248.33**



21W
80°
drill-hole Ø 175
control-gear ELD
3000 lm
3000K **11.1546.3240.33**
4000K **11.1546.4240.33**



21W
80°
drill-hole Ø 175
control-gear ELDD
3000 lm
3000K **11.1546.3241.33**
4000K **11.1546.4241.33**



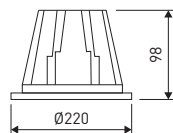
22W
80°
drill-hole Ø 200
control-gear EL
3100 lm
3000K **11.1546.3258.33**
4000K **11.1546.4258.33**



22W
80°
drill-hole Ø 200
control-gear ELD
3100 lm
3000K **11.1546.3250.33**
4000K **11.1546.4250.33**



22W
80°
drill-hole Ø 200
control-gear ELDD
3100 lm
3000K **11.1546.3251.33**
4000K **11.1546.4251.33**



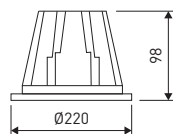
30W
80°
drill-hole Ø 200
control-gear EL
4500 lm
3000K **11.1546.3358.33**
4000K **11.1546.4358.33**



30W
80°
drill-hole Ø 200
control-gear ELD
4500 lm
3000K **11.1546.3350.33**
4000K **11.1546.4350.33**



30W
80°
drill-hole Ø 200
control-gear ELDD
4500 lm
3000K **11.1546.3351.33**
4000K **11.1546.4351.33**



38W
80°
drill-hole Ø 200
control-gear EL
5100 lm
3000K **11.1546.3428.33**
4000K **11.1546.4428.33**



38W
80°
drill-hole Ø 200
control-gear ELD
5100 lm
3000K **11.1546.3420.33**
4000K **11.1546.4420.33**



38W
80°
drill-hole Ø 200
control-gear ELDD
5100 lm
3000K **11.1546.3421.33**
4000K **11.1546.4421.33**

Adjustable recessed LED downlight aimed at a professional audience looking for a degree of differentiation. Suitable for commercial, domestic spaces, or corporate headquarters seeking differential attributes such as energy saving, small size lights, durability and a perfect light beam.

Features:

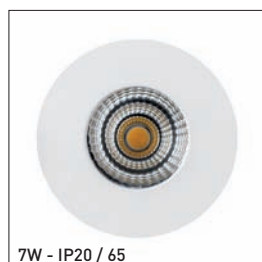
Downlight built with a die-cast aluminium body, injected aluminium diffuser. Cardan rotation system adjustable 30 degrees in two directions
High-quality aluminium reflectors. Latest generation LEDs and incorporated electronic system

1-10V and DALI dimmable versions available.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



7W - IP20 / 65



7W - IP20 / 44



7W - IP20 / 44



13W, 18W, 25W, 32W - IP20 / 44



Power

LED 7W, 13W, 18W, 25W, 32W

Beam

LED 7W 20°, 40°, 50°

LED 13W 15°, 24°, 36°

LED 18W 15°, 24°, 36°

LED 25W 15°, 24°, 36°

LED 32W 15°, 24°, 36°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

7W - 650 lm, 700 lm, 13W - 1600 lm,

18W - 2300 lm, 25W - 3100 lm, 32W - 4200 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

IP

IP 20 / 44 - LED 7W

IP 20 / 65 - LED 7W

IP 20 / 44 - LED 13W, 18W, 25W, 32W

Finishes

White (33)

Black (04)

Supply voltage

220... 230V, 50/60Hz

Installation

Recessed ceiling

Features



Finishes

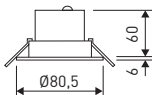


To complete the product reference, add finish

LED



LED and control gear included



7W
50°
drill-hole Ø70
control gear EL
650 lm - 3000K **11.0147.1311.33**
700 lm - 4000K **11.0147.1411.33**



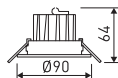
7W
50°
drill-hole Ø70
control gear ELD
650 lm - 3000K **11.0147.1312.33**
700 lm - 4000K **11.0147.1412.33**

7W
50°
drill-hole Ø70
control gear ELDD
650 lm - 3000K **11.0147.1313.33**
700 lm - 4000K **11.0147.1413.33**

LED



LED and control gear included



7W
20°
drill-hole Ø76
control gear EL
650 lm
3000K **0147L/8320**
4000K **0147L/8420**



7W
20°
drill-hole Ø76
control gear ELD
650 lm
3000K **0147L/8320D**
4000K **0147L/8420D**



7W
20°
drill-hole Ø76
control gear ELDD
650 lm
3000K **0147L/8320DD**
4000K **0147L/8420DD**

7W
40°
drill-hole Ø76
control gear EL
650 lm
3000K **0147L/8340**
4000K **0147L/8440**

7W
40°
drill-hole Ø76
control gear ELD
650 lm
3000K **0147L/8340D**
4000K **0147L/8440D**

7W
40°
drill-hole Ø76
control gear ELDD
650 lm
3000K **0147L/8340DD**
4000K **0147L/8440DD**

Features

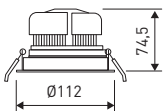


Versions:

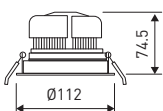
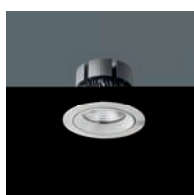
Special LED versions on request
DIMMER versions on request (ELD)
DIMMER DALI versions on request (ELDD)
2700K and 5000K versions on request



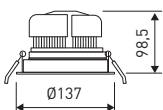
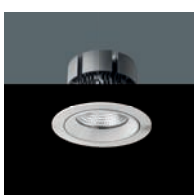
LED and control gear included



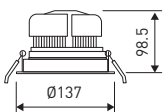
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13W	13W	13W
15°	24°	36°
drill-hole Ø100	drill-hole Ø100	drill-hole Ø100
control-gear EL	control-gear EL	control-gear EL
1600 lm	1600 lm	1600 lm
3000K 11.1604.2831.33	3000K 11.1604.2833.33	3000K 11.1604.2835.33
4000K 11.1604.2841.33	4000K 11.1604.2843.33	4000K 11.1604.2845.33



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18W	18W	18W
15°	24°	36°
drill-hole Ø100	drill-hole Ø100	drill-hole Ø100
control-gear EL	control-gear EL	control-gear EL
2300 lm	2300 lm	2300 lm
3000K 11.1604.3831.33	3000K 11.1604.3833.33	3000K 11.1604.3835.33
4000K 11.1604.3841.33	4000K 11.1604.3843.33	4000K 11.1604.3845.33



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25W	25W	25W
15°	24°	36°
drill-hole Ø125	drill-hole Ø125	drill-hole Ø125
control-gear EL	control-gear EL	control-gear EL
3100 lm	3100 lm	3100 lm
3000K 11.1604.4831.33	3000K 11.1604.4833.33	3000K 11.1604.4835.33
4000K 11.1604.4841.33	4000K 11.1604.4843.33	4000K 11.1604.4845.33



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32W	32W	32W
15°	24°	36°
drill-hole Ø125	drill-hole Ø125	drill-hole Ø125
control-gear EL	control-gear EL	control-gear EL
4200 lm	4200 lm	4200 lm
3000K 11.1604.5831.33	3000K 11.1604.5833.33	3000K 11.1604.5835.33
4000K 11.1604.5841.33	4000K 11.1604.5843.33	4000K 11.1604.5845.33

Reference options

11.1604.2813.33



11.1604. .33

- 2- 13W
- 3- 18W
- 4- 25W
- 5- 32W
- 8- On/Off
- 2- Dim 1-10V
- 3- Dali
- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K
- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery
- 1- 15°
- 3- 24°
- 5- 36°



Disperfum, Spain

IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p.82

RECESSED LUMINAIRES p.138

RECESSED LINEARS p.154

SURFACE DOWNLIGHTS p.166

SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

WALL - CEILING - FLOOR p.206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

3

RECESSED LUMINAIRES



Panel
p. 140



Agat LED
p. 144



Profile - Versatile
p. 148



Soft Light
p. 152

Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate diffuser (UGR < 19). Several formats: 600x600, 1200x300 and 1200x600.

Installation:

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories)



Panel LED - Polycarbonat diffuser (UGR<19)

Power

LED 36W, 74W

Beam

120°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

LED 36W - 3900 lm, 74W - 7800 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

Electronic Dimmer Dali (ELDD) + Emergency

IP

IP44/20

Finishes

White (33)

Supply voltage

220... 230V, 50/60Hz

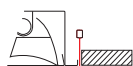
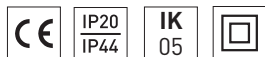
Installation

Recessed ceiling

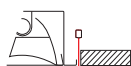
Accessories

accessory for installation on surface

Features



15mm. visible profile



25mm. visible profile

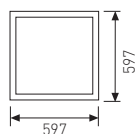
Possibility of doing other versions on request:
Emergency

LED

UGR <19

Polycarbonat diffuser

LED and control gear included



36W
120°
Profile 600x600
Control gear EL
3900 lm
3000K **40/LU383/33**
4000K **40/LU384/33**



36W
120°
Profile 600x600
Control gear ELD
3900 lm
3000K **40/LU383D/33**
4000K **40/LU384D/33**



36W
120°
Profile 600x600
Control gear ELDD
3900 lm
3000K **40/LU383DD/33**
4000K **40/LU384DD/33**

36W
120°
Profile 600x600
Control gear EL +
emergency
3900 lm
3000K **40/LU383E/33**
4000K **40/LU384E/33**

36W
120°
Profile 600x600
Control gear ELD +
emergency
3900 lm
3000K **40/LU383ED/33**
4000K **40/LU384ED/33**

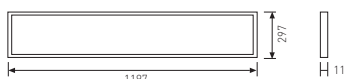
36W
120°
Profile 600x600
Control gear ELDD + emer-
gency
3900 lm
3000K **40/LU383EDD/33**
4000K **40/LU384EDD/33**

LED

UGR <19

Polycarbonat diffuser

LED and control gear included



36W
120°
Profile 300x1200
Control gear EL
3900lm
3000K **40/LU483/33**
4000K **40/LU484/33**



36W
120°
Profile 300x1200
Control gear ELD
3900lm
3000K **40/LU483D/33**
4000K **40/LU484D/33**



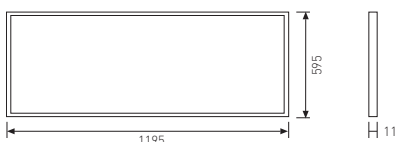
36W
120°
Profile 300x1200
Control gear ELDD
3900lm
3000K **40/LU483DD/33**
4000K **40/LU484DD/33**

LED

UGR <19

Polycarbonat diffuser

LED and control gear included



36W
120°
Profile 600x1200
Control gear EL
3900lm
3000K **40/LU583/33**
4000K **40/LU584/33**



36W
120°
Profile 600x1200
Control gear ELD
3900lm
3000K **40/LU583D/33**
4000K **40/LU584D/33**



36W
120°
Profile 600x1200
Control gear ELDD
3900lm
3000K **40/LU583DD/33**
4000K **40/LU584DD/33**

Accessories



accessory for installation on surface
600x600
11.1615.0001.33



accessory for installation on surface
300x1200
11.1615.0002.33

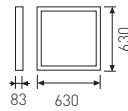


accessory for installation on surface
600x1200
11.1615.0003.33

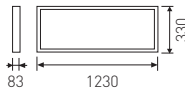


accessory for installation on suspended
40/L/S/21

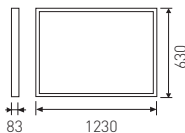
Adapter frame to install visible profile
luminaire to a smooth non-modular.



Drill 610 x 610
007/6060



Drill 1210 x 310
007/12030



Drill 1210 x 610
007/12060



Light fixture for modular ceilings with high performance LEDs.

Designed with no openings so as to prevent insects from entering and be maintenance-free.

Features:

Body built in white-painted steel. Textured or prismatic polycarbonate diffuser. Several formats: 600x600, 300x1200, 600x1200.



Power

LED 70W, 140W

Beam

120°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

LED 70W - 8800 lm, 140W - 16000 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

IP

IP40

Finishes

White (33)

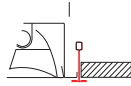
Supply voltage

220... 230V, 50/60Hz

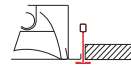
Installation

Recessed ceiling

Features



15mm. visible profile



25mm. visible profile

Profile LED

LED			□	□	□
Opal diffuser			70W Profile 600x600 Control gear EL 8800lm 4000K 11.1542.0410.33	70W Profile 600x600 Control gear ELD 8800lm 4000K 11.1542.0411.33	70W Profile 600x600 Control gear ELDD 8800lm 4000K 11.1542.0412.33
LED and control gear included					

LED		□	□	□	
Opal diffuser		70W Profile 300x1200 Control gear EL 8800lm 4000K 11.1542.1410.33	70W Profile 300x1200 Control gear ELD 8800lm 4000K 11.1542.1411.33	70W Profile 300x1200 Control gear ELDD 8800lm 4000K 11.1542.1412.33	
LED and control gear included					

LED		□	□	□	
Opal diffuser		140W Profile 600x1200 Control gear EL 16000lm 4000K 11.1542.2410.33	140W Profile 600x1200 Control gear ELD 16000lm 4000K 11.1542.2411.33	140W Profile 600x1200 Control gear ELDD 16000lm 4000K 11.1542.2412.33	
LED and control gear included					

Features

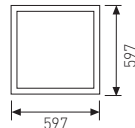


LED

UGR
<19

Prismatic diffuser

LED and control gear included



70W
Profile 600x600
Control gear EL
8800lm
4000K **11.1542.0400.33**



70W
Profile 600x600
Control gear ELD
8800lm
4000K **11.1542.0401.33**



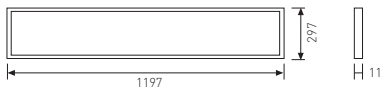
70W
Profile 600x600
Control gear ELDD
8800lm
4000K **11.1542.0402.33**

LED

UGR
<19

Prismatic diffuser

LED and control gear included



70W
Profile 300x1200
Control gear EL
8800lm
4000K **11.1542.1400.33**



70W
Profile 300x1200
Control gear ELD
8800lm
4000K **11.1542.1401.33**



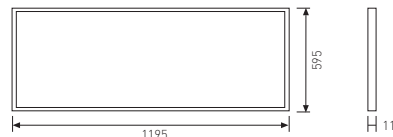
70W
Profile 300x1200
Control gear ELDD
8800lm
4000K **11.1542.1402.33**

LED

UGR
<19

Prismatic diffuser

LED and control gear included



140W
Profile 600x1200
Control gear EL
16000lm
4000K **11.1542.2400.33**



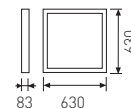
140W
Profile 600x1200
Control gear ELD
16000lm
4000K **11.1542.2401.33**



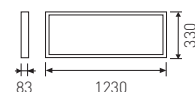
140W
Profile 600x1200
Control gear ELDD
16000lm
4000K **11.1542.2402.33**

Adapter frame to install visible profile luminaire to a smooth non-modular.

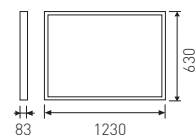
Drill 610 x 610
007/6060



Drill 310 x 1210
007/12030



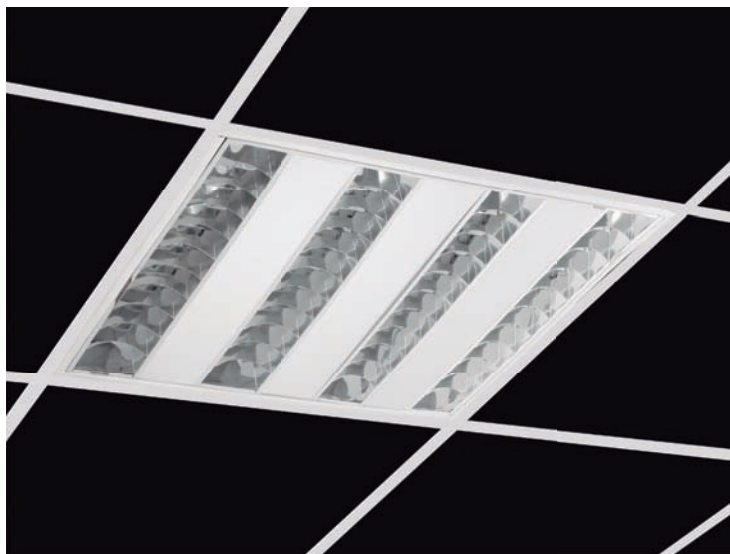
Drill 610 x 1210
007/12060





Banc Sabadell, Spain

Versatility of installation in various types of ceilings, the luminaire range has high performance and a wide choice of models and reflectors for looks and visual comfort.



Power

LED 36W, 40W, 72W

Beam

72° Profile - Versatile

100° Versatile

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

LED 36W - 5280 lm, 40W - 5150 lm, 72W - 10000 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

IP

IP20 - IP44/20

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

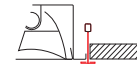
Recessed ceiling

Accessories

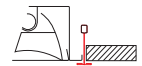
Frame, ceiling adaptor

Profile

Steel housing, painted white. Minimum height of housing 57 mm. Optical system made of prismatic or high aluminium reflector and texturized polycarbonate diffuser. Different formats: 600x600 or 300x1200. Adapts to most conventional ceilings, both modular and smooth non-modular.



15mm. visible profile

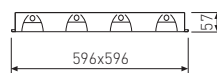


25mm. visible profile

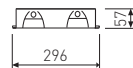
Features



Óptica brillo lama plana mate
LED and control gear included

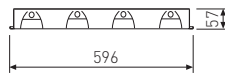


□ 36W 72° Profile 600x600 Control gear EL 5280 lm 3000K 731L/4883/33 4000K 731L/4884/33	□ 36W 72° Profile 600x600 Control gear ELD 5280 lm 3000K 731L/4883D/33 4000K 731L/4884D/33	□ 36W 72° Profile 600x600 Control gear ELDD 5280 lm 3000K 731L/4883DD/33 4000K 731L/4884DD/33
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L= 1196

□ 36W 72° Profile 300x1200 Control gear EL 5280 lm 3000K 731L/5883/33 4000K 731L/5884/33	□ 36W 72° Profile 300x1200 Control gear ELD 5280 lm 3000K 731L/5883D/33 4000K 731L/5884D/33	□ 36W 72° Profile 300x1200 Control gear ELDD 5280 lm 3000K 731L/5883DD/33 4000K 731L/5884DD/33
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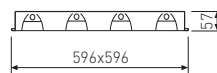
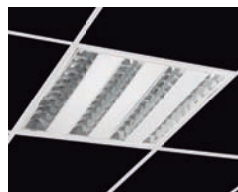


L=1196

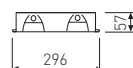
□ 72W 72° Profile 600x1200 Control gear EL 10000 lm 3000K 731L/6883/33 4000K 731L/6884/33	□ 72W 72° Profile 600x1200 Control gear ELD 10000 lm 3000K 731L/6883D/33 4000K 731L/6884D/33	□ 72W 72° Profile 600x1200 Control gear ELDD 10000 lm 3000K 731L/6883DD/33 4000K 731L/6884DD/33
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Double parabolic louver specular
LED and control gear included

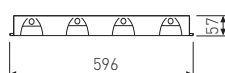


□ 36W 72° Profile 600x600 Control gear EL 5280 lm 3000K 731L/4883U/33 4000K 731L/4884U/33	□ 36W 72° Profile 600x600 Control gear ELD 5280 lm 3000K 731L/4883DU/33 4000K 731L/4884DU/33	□ 36W 72° Profile 600x600 Control gear ELDD 5280 lm 3000K 731L/4883DDU/33 4000K 731L/4884DDU/33
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L= 1196

□ 36W 72° Profile 300x1200 Control gear EL 5280 lm 3000K 731L/5883U/33 4000K 731L/5884U/33	□ 36W 72° Profile 300x1200 Control gear ELD 5280 lm 3000K 731L/5883DU/33 4000K 731L/5884DU/33	□ 36W 72° Profile 300x1200 Control gear ELDD 5280 lm 3000K 731L/5883DDU/33 4000K 731L/5884DDU/33
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L=1196

□ 72W 72° Profile 600x1200 Control gear EL 10000 lm 3000K 731L/6883U/33 4000K 731L/6884U/33	□ 72W 72° Profile 600x1200 Control gear ELD 10000 lm 3000K 731L/6883DU/33 4000K 731L/6884DU/33	□ 72W 72° Profile 600x1200 Control gear ELDD 10000 lm 3000K 731L/6883DDU/33 4000K 731L/6884DDU/33
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Features

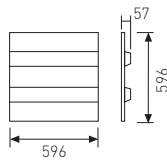
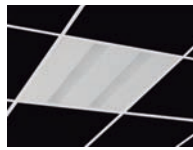


Profile



Prismatic diffuser

LED and control gear included

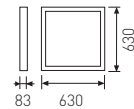


□	□	□
40W	40W	40W
100°	100°	100°
Profile 600x600	Profile 600x600	Profile 600x600
Control gear EL	Control gear ELD	Control gear ELDD
5150 lm/m	5150 lm/m	5150 lm/m
3000K 73L2/4883/33	3000K 73L2/4883D/33	3000K 73L2/4883DD/33
4000K 73L2/4884/33	4000K 73L2/4884D/33	4000K 73L2/4884DD/33

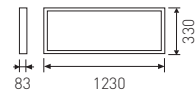
Accessories

Adapter frame to install visible profile luminaire to a smooth non-modular.

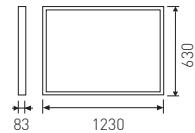
Drill 610 x 610
007/6060



Drill 1210 x 310
007/12030

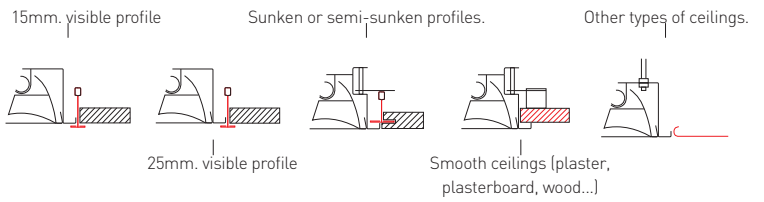


Drill 1210 x 610
007/12060



Versatile

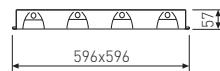
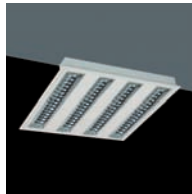
Steel housing, painted white. Minimum height of housing 57 mm. Choice of optical systems as required. Adapts to most conventional ceilings, both modular and smooth non-modular.



Features

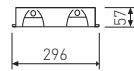


Installation clamps / Anchors (unincorporated)



36W 72° Drill 585x585 Control gear EL 5280 lm 3000K 731L/4883P/33 4000K 731L/4884P/33	36W 72° Drill 585x585 Control gear ELD 5280 lm 3000K 731L/4883DP/33 4000K 731L/4884DP/33	36W 72° Drill 585x585 Control gear ELDD 5280 lm 3000K 731L/4883DDP/33 4000K 731L/4884DDP/33
---	--	---

Double parabolic louver
LED and control gear included



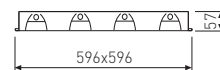
L= 1196

36W 72° Drill 296x1196 Control gear EL 5280 lm 3000K 731L/5883P/33 4000K 731L/5884P/33	36W 72° Drill 296x1196 Control gear ELD 5280 lm 3000K 731L/5883DP/33 4000K 731L/5884DP/33	36W 72° Drill 296x1196 Control gear ELDD 5280 lm 3000K 731L/5883DDP/33 4000K 731L/5884DDP/33
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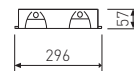
L=1196

72W 72° Drill 585x1196 Control gear EL 10000 lm 3000K 731L/6883P/33 4000K 731L/6884P/33	72W 72° Drill 585x1196 Control gear ELD 10000 lm 3000K 731L/6883DP/33 4000K 731L/6884DP/33	72W 72° Drill 585x1196 Control gear ELDD 10000 lm 3000K 731L/6883DDP/33 4000K 731L/6884DDP/33
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36W 72° Drill 585x585 Control gear EL 5280 lm 3000K 731L/4883PU/33 4000K 731L/4884PU/33	36W 72° Drill 585x585 Control gear ELD 5280 lm 3000K 731L/4883DPU/33 4000K 731L/4884DPU/33	36W 72° Drill 585x585 Control gear ELDD 5280 lm 3000K 731L/4883DDPU/33 4000K 731L/4884DDPU/33
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Double parabolic louver
LED and control gear included



L= 1196

36W 72° Drill 296x1196 Control gear EL 5280 lm 3000K 731L/5883PU/33 4000K 731L/5884PU/33	36W 72° Drill 296x1196 Control gear ELD 5280 lm 3000K 731L/5883DPU/33 4000K 731L/5884DPU/33	36W 72° Drill 296x1196 Control gear ELDD 5280 lm 3000K 731L/5883DDPU/33 4000K 731L/5884DDPU/33
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L=1196

72W 72° Drill 585x1196 Control gear EL 10000 lm 3000K 731L/6883PU/33 4000K 731L/6884PU/33	72W 72° Drill 585x1196 Control gear ELD 10000 lm 3000K 731L/6883DPU/33 4000K 731L/6884DPU/33	72W 72° Drill 585x1196 Control gear ELDD 10000 lm 3000K 731L/6883DDPU/33 4000K 731L/6884DDPU/33
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Ceiling



11T5
Ceiling adaptor.
4 units included.

Soft light is a new range of LED luminaires with excellent control of brightness to provide great visual comfort. Its characteristic design has made it an icon in fluorescent lighting, capable of exceptionally high performance.

Features

Steel housing. Painted white. Double parabolic aluminium with textured microlinear opal diffuser. Installation invisible ceilings and also in smooth non-modular with adapter frame.



Luxiona, Spain

Power

LED 36W

Beam

130° x 80°

Colour temperature

3000K warm white - CRI \geq 80
4000K neutral white - CRI \geq 80

Nominal lumen output

36W - 3800 lm

Control gear

Electronic (EL)
Electronic Dimmer Dali (ELDD)
Electronic (EL) + Emergency

IP

IP20 / 40

Supply voltage

220...240V, 50/60Hz

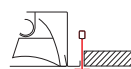
Installation

Installation invisible ceilings

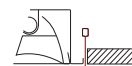
Accessories

Adapter frame

Features

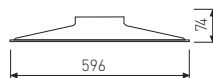


15mm. visible profile



25mm. visible profile

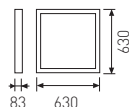
LED
 Recessed light using frame
 007/6060
 Difusor microlinear opal
LED and control gear included



36W
 130° x 80°
 control gear EL
 Drill 585x585
 3800 lm
 3000K **7730L/3683/16**
 4000K **7730L/3684/16**

36W
 130° x 80°
 control gear ELDD
 Drill 585x585
 3800 lm
 3000K **7730L/3683/16/D**
 4000K **7730L/3684/16/D**

36W
 130° x 80°
 control gear EL + emergency
 Drill 585x585
 3800 lm
 3000K **7730L/3683/16/E**
 4000K **7730L/3684/16/E**



Drill 610x610
007/6060

Adapter frame to install visible profile luminaire to a smooth non-modular.

IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p.82

RECESSED LUMINAIRES p.138

RECESSED LINEARS p.154

SURFACE DOWNLIGHTS p.166

SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

WALL - CEILING - FLOOR p.206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

4

RECESSED LINEARS



Essence
p. 156



Continuous line
p. 160

The concept of Essence is based on a minimalist and versatile design for complete integration into the surroundings. Luminaires designed around T5 lamps and LED, making the most of its small size to achieve a compact and reduced look.

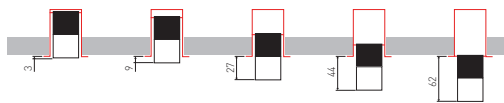
Features:

Extruded aluminum profile. High purity, specular aluminum reflector recovers the flux of light for greater performance.

Translucent methacrylate diffuser (PMMA) or high-purity aluminium reflector with polycarbonate diffuser.



A simple system has been designed to make different mounting positions possible, and thus, changing the finishing look of the luminaire.



Power	LED 28W, 37W, 48W T5-HE 28W T5-HO 54W
Beam	86°
Colour temperature	3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80
Nominal lumen output	28W - 3510lm, 37W - 4680lm, 48W - 5980lm
Control gear	Electronic (EL) - (CP) Electronic Dimmer (ELD) - (CPD) Electronic Dimmer Dali (ELDD) - (CPDD)
IP	IP40
Finishes	White (33) Grey (21)
Supply voltage	220... 240V, 50/60Hz
Installation	Recessed ceiling

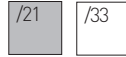


Features



Translucent polycarbonate diffuser
(PMMA)

Finishes



To complete the product
reference, add finish

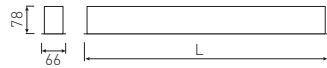
Versions: 2700K Available / Under demand

SINGLE module LED

LED



LED and control gear included



28W L= 942,5
37W L= 1242,5
48W L= 1542,5



28W
86°
drill 55x920
control-gear EL
3510 lm
3000K **138E/L0983**
4000K **138E/L0984**



28W
86°
drill 55x920
control-gear ELDD
3510 lm
3000K **DD138E/L0983**
4000K **DD138E/L0984**

37W
86°
drill 55x1220
control-gear EL
4680 lm
3000K **138E/L1283**
4000K **138E/L1284**

37W
86°
drill 55x1220
control-gear ELDD
4680 lm
3000K **DD138E/L1283**
4000K **DD138E/L1284**

48W
86°
drill 56x1520
control-gear EL
5980 lm
3000K **138E/L1583**
4000K **138E/L1584**

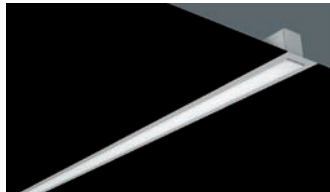
48W
86°
drill 56x1520
control-gear ELDD
5980 lm
3000K **DD138E/L1583**
4000K **DD138E/L1584**

Module continuous lines LED

LED



LED and control gear included



28W L= 908,5
37W L= 1208,5
48W L= 1508,5

WITHOUT COVERS
+13,5 x COVER (accessories)



28W
86°
drill 45x916 with covers
control-gear EL
3510 lm
3000K **138E/LA0983**
4000K **138E/LA0984**



28W
86°
drill 920 with covers
control-gear ELDD
3510 lm
3000K **DD138E/LA0983**
4000K **DD138E/LA0984**

37W
86°
drill 45x1220 with covers
control-gear EL
4680 lm
3000K **138E/LA1283**
4000K **138E/LA1284**

37W
86°
drill 45x1220 with covers
control-gear ELDD
4680 lm
3000K **DD138E/LA1283**
4000K **DD138E/LA1284**

48W
86°
drill 45x1520 with covers
control-gear EL
5980 lm
3000K **138E/LA1583**
4000K **138E/LA1584**

48W
86°
drill 45x1520 with covers
control-gear ELDD
5980 lm
3000K **DD138E/LA1583**
4000K **DD138E/LA1584**

Accessories

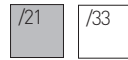
End-cap for start and end of the
straight line (1 unit)
40/138E

Aligner for continuous lines
ALC/138E

Features



Finishes

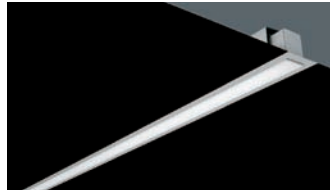


SINGLE module T5

G5 T5-HE



Lamp and control gear included



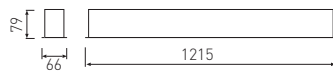
28W
86°
drill 56x1190
control gear CP
3000K **138E/12883**
4000K **138E/12884**



28W
86°
drill 56x1190
control gear CPD
3000K **D138E/12883**
4000K **D138E/12884**



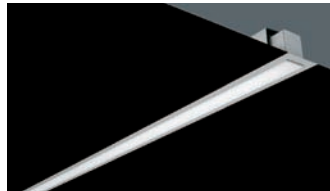
28W
86°
drill 56x1190
control gear CPDD
3000K **DD138E/12883**
4000K **DD138E/12884**



G5 T5-H0



Lamp and control gear included



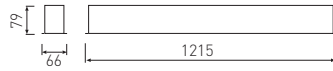
54W
86°
drill 56x1190
control gear CP
3000K **138E/15483**
4000K **138E/15484**



54W
86°
drill 56x1190
control gear CPD
3000K **D138E/15483**
4000K **D138E/15484**



54W
86°
drill 56x1190
control gear CPDD
3000K **DD138E/15483**
4000K **DD138E/15484**





Centro Cívico Palencia, Spain

Luminaires for arranging in continuous straight lines, but that can also be installed independently.

The combination of reflectors, symmetrical, asymmetric or wallwasher, enable the appropriate level of lighting to be achieved, either general or a wash of vertical planes (walls, murals...).

Features:

Steel housing, finished in white. Optics in specular and semi-specular anodised aluminium. Opal diffuser (PMMA). Lamp and control gear included.

Fitting:

Multi-purpose luminaires for recessing into smooth ceilings, in continuous lines or as independent units.

Also for installation of ceilings with 15 mm visible profile. This involves making a continuous cut-out without cross pieces.



Power

LED 9W, 14W, 19W, 22W, 27W, 36W, 45W

T5 HE 14W, 27W, 35W

T5 HO 24W, 39W, 54W, 80W

Beam

LED 75°

T5 80°, 60° + 24°, 75°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

9W - 1600lm, 14W - 2450lm, 19W - 2540lm/3280lm, 22W - 3300lm,
27W - 3900lm, 36W - 5280lm, 45W - 6600lm

Control gear

Electronic (EL) - (CP)

Electronic Dimmer (ELD) - (CPD)

Electronic Dimmer Dali (ELDD) - (CPDD)

IP

IP20

Finishes

White(33)

Supply voltage

220... 240V, 50/60Hz

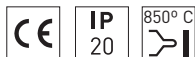
Installation

Recessed ceiling

Accessories


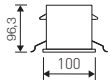
Headpieces

Features


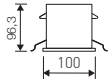


Joint accessories

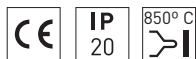
(accessories see p. 138)

		SINGLE module		
<p>LED</p> <p>Double parabolic louver produced from Specular Darklight Aluminium</p> <p>LED and control gear included</p>	  9W L= 596 14W L= 896 19W L= 1196 22W L= 1496	9W 75° drill 90x586 control gear EL 1600lm 3000K 7805/L0683/33 4000K 7805/L0684/33	9W 75° drill 90x586 control gear ELD 1600lm 3000K 7805/L0683D/33 4000K 7805/L0684D/33	9W 75° drill 90x586 control gear ELDD 1600lm 3000K 7805/L0683DD/33 4000K 7805/L0684DD/33
		14W 75° drill 90x886 control gear EL 2450lm 3000K 7805/L0983/33 4000K 7805/L0984/33	14W 75° drill 90x886 control gear ELD 2450lm 3000K 7805/L0983D/33 4000K 7805/L0984D/33	14W 75° drill 90x886 control gear ELDD 2450lm 3000K 7805/L0983DD/33 4000K 7805/L0984DD/33
		19W 75° drill 90x1186 control gear EL 3280lm 3000K 7805/L1283/33 4000K 7805/L1284/33	19W 75° drill 90x1186 control gear ELD 3280lm 3000K 7805/L1283D/33 4000K 7805/L1284D/33	19W 75° drill 90x1186 control gear ELDD 3280lm 3000K 7805/L1283DD/33 4000K 7805/L1284DD/33
		22W 75° drill 90x1486 control gear EL 3300lm 3000K 7805/L1583/33 4000K 7805/L1584/33	22W 75° drill 90x1486 control gear ELD 3300lm 3000K 7805/L1583D/33 4000K 7805/L1584D/33	22W 75° drill 90x1486 control gear ELDD 3300lm 3000K 7805/L1583DD/33 4000K 7805/L1584DD/33
		Incorporated end-caps		

Module for CONTINUOUS LINES

  9W L= 600 14W L= 900 19W L= 1200 22W L= 1500	No end-caps included	9W 75° drill 90x600 control gear EL 1600lm 3000K 78M5/L0683/33 4000K 78M5/L0684/33	9W 75° drill 90x600 control gear ELD 1600lm 3000K 78M5/L0683D/33 4000K 78M5/L0684D/33	9W 75° drill 90x600 control gear ELDD 1600lm 3000K 78M5/L0683DD/33 4000K 78M5/L0684DD/33
		14W 75° drill 90x900 control gear EL 2450lm 3000K 78M5/L0983/33 4000K 78M5/L0984/33	14W 75° drill 90x900 control gear ELD 2450lm 3000K 78M5/L0983D/33 4000K 78M5/L0984D/33	14W 75° drill 90x900 control gear ELDD 2450lm 3000K 78M5/L0983DD/33 4000K 78M5/L0984DD/33
		19W 75° drill 90x1200 control gear EL 3280lm 3000K 78M5/L1283/33 4000K 78M5/L1284/33	19W 75° drill 90x1200 control gear ELD 3280lm 3000K 78M5/L1283D/33 4000K 78M5/L1284D/33	19W 75° drill 90x1200 control gear ELDD 3280lm 3000K 78M5/L1283DD/33 4000K 78M5/L1284DD/33
		22W 75° drill 90x1500 control gear EL 3300lm 3000K 78M5/L1583/33 4000K 78M5/L1584/33	22W 75° drill 90x1500 control gear ELD 3300lm 3000K 78M5/L1583D/33 4000K 78M5/L1584D/33	22W 75° drill 90x1500 control gear ELDD 3300lm 3000K 78M5/L1583DD/33 4000K 78M5/L1584DD/33

Features

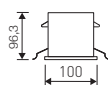


Joint accessories
(accessories see p. 138)

LED

Double parabolic louver
produced from **Specular
Darklight Aluminium**

LED and control gear included



19W L= 596
27W L= 896
36W L= 1196
46W L= 1496

Incorporated end-caps

SINGLE module

19W
60°+24°
drill 90x586
control gear EL
2600lm
3000K **7806/L0683/33**
4000K **7806/L0684/33**

19W
60°+24°
drill 90x586
control gear ELD
2600lm
3000K **7806/L0683D/33**
4000K **7806/L0684D/33**

19W
60°+24°
drill 90x586
control gear ELDD
2600lm
3000K **7806/L0683DD/33**
4000K **7806/L0684DD/33**

27W
60°+24°
drill 90x886
control gear EL
3900lm
3000K **7806/L0983/33**
4000K **7806/L0984/33**

27W
60°+24°
drill 90x886
control gear ELD
3900lm
3000K **7806/L0983D/33**
4000K **7806/L0984D/33**

27W
60°+24°
drill 90x886
control gear ELDD
3900lm
3000K **7806/L0983DD/33**
4000K **7806/L0984DD/33**

36W
60°+24°
drill 90x1186
control gear EL
5280lm
3000K **7806/L1283/33**
4000K **7806/L1284/33**

36W
60°+24°
drill 90x1186
control gear ELD
5280lm
3000K **7806/L1283D/33**
4000K **7806/L1284D/33**

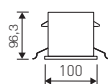
36W
60°+24°
drill 90x1186
control gear ELDD
5280lm
3000K **7806/L1283DD/33**
4000K **7806/L1284DD/33**

45W
60°+24°
drill 90x1486
control gear EL
6600lm
3000K **7806/L1583/33**
4000K **7806/L1584/33**

45W
60°+24°
drill 90x1486
control gear ELD
6600lm
3000K **7806/L1583D/33**
4000K **7806/L1584D/33**

45W
60°+24°
drill 90x1486
control gear ELDD
6600lm
3000K **7806/L1583DD/33**
4000K **7806/L1584DD/33**

Module for CONTINUOUS LINES



19W L= 600
27W L= 900
36W L= 1200
45W L= 1500

No end-caps included

19W
60°+24°
drill 90x600
control gear EL
2600lm
3000K **78M6/L0683/33**
4000K **78M6/L0684/33**

19W
60°+24°
drill 90x600
control gear ELD
2600lm
3000K **78M6/L0683D/33**
4000K **78M6/L0684D/33**

19W
60°+24°
drill 90x600
control gear ELDD
2600lm
3000K **78M6/L0683DD/33**
4000K **78M6/L0684DD/33**

27W
60°+24°
drill 90x900
control gear EL
3900lm
3000K **78M6/L0983/33**
4000K **78M6/L0984/33**

27W
60°+24°
drill 90x900
control gear ELD
3900lm
3000K **78M6/L0983D/33**
4000K **78M6/L0984D/33**

27W
60°+24°
drill 90x900
control gear ELDD
3900lm
3000K **78M6/L0983DD/33**
4000K **78M6/L0984DD/33**

36W
60°+24°
drill 90x1200
control gear EL
5280lm
3000K **78M6/L1283/33**
4000K **78M6/L1284/33**

36W
60°+24°
drill 90x1200
control gear ELD
5280lm
3000K **78M6/L1283D/33**
4000K **78M6/L1284D/33**

36W
60°+24°
drill 90x1200
control gear ELDD
5280lm
3000K **78M6/L1283DD/33**
4000K **78M6/L1284DD/33**

45W
60°+24°
drill 90x1500
control gear EL
6600lm
3000K **78M6/L1583/33**
4000K **78M6/L1584/33**

45W
60°+24°
drill 90x1500
control gear ELD
6600lm
3000K **78M6/L1583D/33**
4000K **78M6/L1584D/33**

45W
60°+24°
drill 90x1500
control gear ELDD
6600lm
3000K **78M6/L1583DD/33**
4000K **78M6/L1584DD/33**

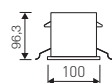
Features



LED

Opal diffuser

LED and control gear included



19W L= 596
27W L= 896
36W L= 1196
45W L= 1496

Incorporated end-caps

SINGLE module

19W
100°
taladro 90x586
control gear EL
2600lm
3000K **7804/L0683/33**
4000K **7804/L0684/33**

27W
100°
taladro 90x886
control gear EL
3900lm
3000K **7804/L0983/33**
4000K **7804/L0984/33**

36W
100°
taladro 90x1186
control gear EL
5200lm
3000K **7804/L1283/33**
4000K **7804/L1284/33**

45W
100°
taladro 90x1486
control gear EL
6600lm
3000K **7804/L1583/33**
4000K **7804/L1584/33**

19W
100°
taladro 90x586
control gear ELD
2600lm
3000K **7804/L0683D/33**
4000K **7804/L0684D/33**

27W
100°
taladro 90x886
control gear ELD
3900lm
3000K **7804/L0983D/33**
4000K **7804/L0984D/33**

36W
100°
taladro 90x1186
control gear ELD
5200lm
3000K **7804/L1283D/33**
4000K **7804/L1284D/33**

45W
100°
taladro 90x1486
control gear ELD
6600lm
3000K **7804/L1583D/33**
4000K **7804/L1584D/33**

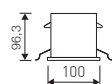
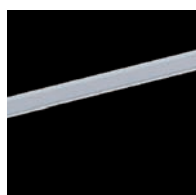
19W
100°
taladro 90x586
control gear ELDD
2600lm
3000K **7804/L0683DD/33**
4000K **7804/L0684DD/33**

27W
100°
taladro 90x886
control gear ELDD
3900lm
3000K **7804/L0983DD/33**
4000K **7804/L0984DD/33**

36W
100°
taladro 90x1186
control gear ELDD
5200lm
3000K **7804/L1283DD/33**
4000K **7804/L1284DD/33**

45W
100°
taladro 90x1486
control gear ELDD
6600lm
3000K **7804/L1583DD/33**
4000K **7804/L1584DD/33**

Module for CONTINUOUS LINES



19W L= 600
27W L= 900
36W L= 1200
45W L= 1500

No end-caps included

19W
100°
taladro 90x600
control gear EL
2600lm
3000K **78M4/L0683/33**
4000K **78M4/L0684/33**

27W
100°
taladro 90x900
control gear EL
3900lm
3000K **78M4/L0983/33**
4000K **78M4/L0984/33**

36W
100°
taladro 90x1200
control gear EL
5200lm
3000K **78M4/L1283/33**
4000K **78M4/L1284/33**

45W
100°
taladro 90x1500
control gear EL
6600lm
3000K **78M4/L1583/33**
4000K **78M4/L1584/33**

19W
100°
taladro 90x600
control gear ELD
2600lm
3000K **78M4/L0683D/33**
4000K **78M4/L0684D/33**

27W
100°
taladro 90x900
control gear ELD
3900lm
3000K **78M4/L0983D/33**
4000K **78M4/L0984D/33**

36W
100°
taladro 90x1200
control gear ELD
5200lm
3000K **78M4/L1283D/33**
4000K **78M4/L1284D/33**

45W
100°
taladro 90x1500
control gear ELD
6600lm
3000K **78M4/L1583D/33**
4000K **78M4/L1584D/33**

19W
100°
taladro 90x600
control gear ELDD
2600lm
3000K **78M4/L0683DD/33**
4000K **78M4/L0684DD/33**

27W
100°
taladro 90x900
control gear ELDD
3900lm
3000K **78M4/L0983DD/33**
4000K **78M4/L0984DD/33**

36W
100°
taladro 90x1200
control gear ELDD
5200lm
3000K **78M4/L1283DD/33**
4000K **78M4/L1284DD/33**

45W
100°
taladro 90x1500
control gear ELDD
6600lm
3000K **78M4/L1583DD/33**
4000K **78M4/L1584DD/33**

Features



Joint accessories

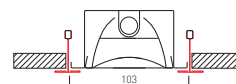
(accessories see p. 138)



smooth ceilings



other ceilings



visible profile 15 mm

G 5 T5 HE

Double parabolic louver
produced from **Specular
Darklight Aluminium**
End-caps not included

Lamp and control gear included



14W L= 600
28W L= 1200
35W L= 1500

14W
80°
control gear CP
1350lm
drill 90 x 600
3000K **7835/11483/CP**
4000K **7835/11484/CP**

14W
80°
control gear CPD
1350lm
drill 90 x 600
3000K **7835/11483/CPD**
4000K **7835/11484/CPD**

14W
80°
control gear CPDD
1350lm
drill 90 x 600
3000K **7835/11483/CPDD**
4000K **7835/11484/CPDD**

27W
80°
control gear CP
2900lm
drill 90 x 1200
3000K **7835/12883/CP**
4000K **7835/12884/CP**

27W
80°
control gear CPD
2900lm
drill 90 x 1200
3000K **7835/12883/CPD**
4000K **7835/12884/CPD**

27W
80°
control gear CPDD
2900lm
drill 90 x 1200
3000K **7835/12883/CPDD**
4000K **7835/12884/CPDD**

35W
80°
control gear CP
1449lm
drill 90 x 1500
3000K **7835/13583/CP**
4000K **7835/13584/CP**

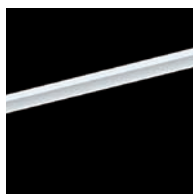
35W
80°
control gear CPD
1449lm
drill 90 x 1500
3000K **7835/13583/CPD**
4000K **7835/13584/CPD**

35W
80°
control gear CPDD
1449lm
drill 90 x 1500
3000K **7835/13583/CPDD**
4000K **7835/13584/CPDD**

G 5 T5 HO

Wallwasher
End-caps not included

Lamp and control gear included



24W L= 600
39W L= 900
54W L= 1200

24W
60°+24°
control gear CP
2000lm
drill 90 x 600
3000K **786/12483/CP**
4000K **786/12484/CP**

24W
60°+24°
control gear CPD
2000lm
drill 90 x 600
3000K **786/12483/CPD**
4000K **786/12484/CPD**

24W
60°+24°
control gear CPDD
2000lm
drill 90 x 600
3000K **786/12483/CPDD**
4000K **786/12484/CPDD**

39W
60°+24°
control gear CP
3500lm
drill 90 x 900
3000K **786/13983/CP**
4000K **786/13984/CP**

39W
60°+24°
control gear CPD
3500lm
drill 90 x 900
3000K **786/13983/CPD**
3000K **786/13984/CPD**

39W
60°+24°
control gear CPDD
3500lm
drill 90 x 900
3000K **786/13983/CPDD**
4000K **786/13984/CPDD**

54W
60°+24°
control gear CP
5000lm
drill 90 x 1200
3000K **786/15483/CP**
4000K **786/15484/CP**

54W
60°+24°
control gear CPD
5000lm
drill 90 x 1200
3000K **786/15483/CPD**
4000K **786/15484/CPD**

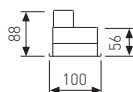
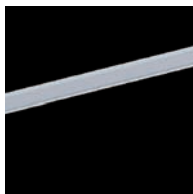
54W
60°+24°
control gear CPDD
5000lm
drill 90 x 1200
3000K **786/15483/CPDD**
4000K **786/15484/CPDD**

SINGLE module

G 5 T5 HO

Opal diffuser
End-caps not included

Lamp and control gear included



24W L= 600
54W L=1200
80W L=1500

24W
120°
control gear CP
1200lm
drill 90 x 600
3000K **7804/12483/CP**
4000K **7804/12484/CP**

24W
120°
control gear CPD
1200lm
drill 90 x 600
3000K **7804/12483/CPD**
4000K **7804/12484/CPD**

24W
120°
control gear CPDD
1200lm
drill 90 x 600
3000K **7804/12483/CPDD**
4000K **7804/12484/CPDD**

54W
120°
control gear CP
5000lm
drill 90 x 1200
3000K **7804/15483/CP**
4000K **7804/15484/CP**

54W
120°
control gear CPD
5000lm
drill 90 x 1200
3000K **7804/15483/CPD**
4000K **7804/15484/CPD**

54W
120°
control gear CPDD
5000lm
drill 90 x 1200
3000K **7804/15483/CPDD**
4000K **7804/15484/CPDD**

80W
120°
control gear CP
6150lm
drill 90 x 1500
3000K **7804/18083/CP**
4000K **7804/18084/CP**

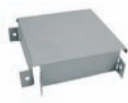
80W
120°
control gear CPD
6150lm
drill 90 x 1500
3000K **7804/18083/CPD**
4000K **7804/18084/CPD**

80W
120°
control gear CPDD
6150lm
drill 90 x 1500
3000K **7804/18083/CPDD**
4000K **7804/18084/CPDD**

Headpieces



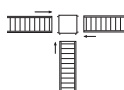
End-cap for start and end of the straight line. (1 unit)
780/100



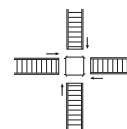
90° coupler (1 unit)
780/501



T couple (1 unit)
780/503



Cross coupler (1 unit)
780/504



IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p.82

RECESSED LUMINAIRES p.138

RECESSED LINEARS p.154

SURFACE DOWNLIGHTS p.166

SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

WALL - CEILING - FLOOR p.206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

5

SURFACE DOWNLIGHTS



Tubular
p. 168



Saturn
p. 174



Basic S
p. 176

The pure form of a tube is used to create a range of hanging or surface luminaires for general lighting.

A wide variety of areas can be lit with Tubular: commercial, home, restaurants, hotels and many more where the look of the place is an important feature.

Features:

Extruded aluminium housing, with micro-perforated metal disc in the upper part.

Fitting:

Two installation options:

- Base superficie (ON-OFF + DALI)
- Base semi-superficie (solo versión ON-OFF).



Power

LED 7W, 13W, 17W, 25W, 37W

Beam

LED 12°, 24°, 36°

Colour temperature

2700K warm white - CRI \geq 90

3000K warm white - CRI \geq 90

4000K neutral white - CRI \geq 90

Nominal lumen output

7W - 1000lm, 13W - 1600lm, 17W - 2300lm, 25W - 3000lm, 37W - 4400lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD) - on demand

Electronic Dimmer Dali (ELDD) - on demand

IP

IP20

Finishes

Gold (02)

Anthracite (22)

White (63)

Supply voltage

220... 240V, 50/60Hz

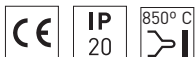
Installation

Suspended

Accessories

Hanging models require a base-plate

Features



Finishes

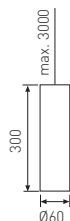


To complete the product reference, add finish

LED

ORANGE INSIDE

LED and control gear included



7W
12°
control gear EL
1000 lm
2700K **11.1645.1211**
3000K **11.1645.1311**
4000K **11.1645.1411**



7W
24°
control gear EL
1000 lm
2700K **11.1645.1221**
3000K **11.1645.1321**
4000K **11.1645.1421**

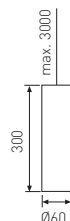
13W
12°
control gear EL
1600 lm
2700K **11.1645.4211**
3000K **11.1645.4311**
4000K **11.1645.4411**

13W
24°
control gear EL
1600 lm
2700K **11.1645.4221**
3000K **11.1645.4321**
4000K **11.1645.4421**

LED

BLACK INSIDE

LED and control gear included



7W
12°
control gear EL
1000 lm
2700K **11.1645.2211**
3000K **11.1645.2311**
4000K **11.1645.2411**



7W
24°
control gear EL
1000 lm
2700K **11.1645.2221**
3000K **11.1645.2321**
4000K **11.1645.2421**

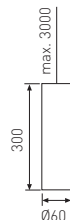
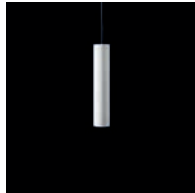
13W
12°
control gear EL
1600 lm
2700K **11.1645.5211**
3000K **11.1645.5311**
4000K **11.1645.5411**

13W
24°
control gear EL
1600 lm
2700K **11.1645.5221**
3000K **11.1645.5321**
4000K **11.1645.5421**

LED

GOLD INSIDE

LED and control gear included



7W
12°
control gear EL
1000 lm
2700K **11.1645.3211**
3000K **11.1645.3311**
4000K **11.1645.3411**



7W
24°
control gear EL
1000 lm
2700K **11.1645.3221**
3000K **11.1645.3321**
4000K **11.1645.3421**

13W
12°
control gear EL
1600 lm
2700K **11.1645.6211**
3000K **11.1645.6311**
4000K **11.1645.6411**

13W
24°
control gear EL
1600 lm
2700K **11.1645.6221**
3000K **11.1645.6321**
4000K **11.1645.6421**

Features



Finishes



To complete the product reference, add finish

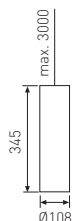
Versions:

DIMMER versions on request
DIMMER DALI versions on request

LED

ORANGE INSIDE

LED and control gear included



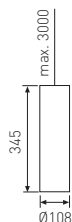
17W 12° control gear EL 2300 lm 2700K 11.2645.1211 3000K 11.2645.1311 4000K 11.2645.1411	17W 24° control gear EL 2300 lm 2700K 11.2645.1221 3000K 11.2645.1321 4000K 11.2645.1421	17W 36° control gear EL 2300 lm 2700K 11.2645.1231 3000K 11.2645.1331 4000K 11.2645.1431
---	---	---

25W 12° control gear EL 3000 lm 2700K 11.2645.4211 3000K 11.2645.4311 4000K 11.2645.4411	25W 24° control gear EL 3000 lm 2700K 11.2645.4221 3000K 11.2645.4321 4000K 11.2645.4421	25W 36° control gear EL 3000 lm 2700K 11.2645.4231 3000K 11.2645.4331 4000K 11.2645.4431
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LED

BLACK INSIDE

LED and control gear included



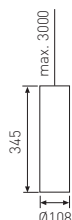
17W 12° control gear EL 2300 lm 2700K 11.2645.2211 3000K 11.2645.2311 4000K 11.2645.2411	17W 24° control gear EL 2300 lm 2700K 11.2645.2221 3000K 11.2645.2321 4000K 11.2645.2421	17W 36° control gear EL 2300 lm 2700K 11.2645.2231 3000K 11.2645.2331 4000K 11.2645.2431
---	---	---

25W 12° control gear EL 3000 lm 2700K 11.2645.5211 3000K 11.2645.5311 4000K 11.2645.5411	25W 24° control gear EL 3000 lm 2700K 11.2645.5221 3000K 11.2645.5321 4000K 11.2645.5421	25W 36° control gear EL 3000 lm 2700K 11.2645.5231 3000K 11.2645.5331 4000K 11.2645.5431
---	---	---

LED

GOLD INSIDE

LED and control gear included



17W 12° control gear EL 2300 lm 2700K 11.2645.3211 3000K 11.2645.3311 4000K 11.2645.3411	17W 24° control gear EL 2300 lm 2700K 11.2645.3221 3000K 11.2645.3321 4000K 11.2645.3421	17W 36° control gear EL 2300 lm 2700K 11.2645.3231 3000K 11.2645.3331 4000K 11.2645.3431
---	---	---

25W 12° control gear EL 3000 lm 2700K 11.2645.6211 3000K 11.2645.6311 4000K 11.2645.6411	25W 24° control gear EL 3000 lm 2700K 11.2645.6221 3000K 11.2645.6321 4000K 11.2645.6421	25W 36° control gear EL 3000 lm 2700K 11.2645.6231 3000K 11.2645.6331 4000K 11.2645.6431
---	---	---

Features



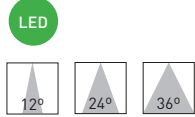
Finishes



To complete the product reference, add finish

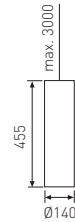
Versions:

DIMMER versions on request
DIMMER DALI versions on request



ORANGE INSIDE

LED and control gear included



25W
12°
control gear EL
3000 lm
2700K **11.3645.1211**
3000K **11.3645.1311**
4000K **11.3645.1411**



25W
24°
control gear EL
3000 lm
2700K **11.3645.1221**
3000K **11.3645.1321**
4000K **11.3645.1421**



25W
36°
control gear EL
3000 lm
2700K **11.3645.1231**
3000K **11.3645.1331**
4000K **11.3645.1431**



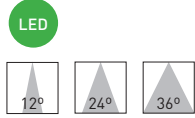
37W
12°
control gear EL
4400 lm
2700K **11.3645.4211**
3000K **11.3645.4311**
4000K **11.3645.4411**



37W
24°
control gear EL
4400 lm
2700K **11.3645.4221**
3000K **11.3645.4321**
4000K **11.3645.4421**

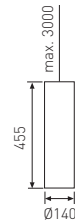


37W
36°
control gear EL
4400 lm
2700K **11.3645.4231**
3000K **11.3645.4331**
4000K **11.3645.4431**



BLACK INSIDE

LED and control gear included



25W
12°
control gear EL
3000 lm
2700K **11.3645.2211**
3000K **11.3645.2311**
4000K **11.3645.2411**



25W
24°
control gear EL
3000 lm
2700K **11.3645.2221**
3000K **11.3645.2321**
4000K **11.3645.2421**



25W
36°
control gear EL
3000 lm
2700K **11.3645.2231**
3000K **11.3645.2331**
4000K **11.3645.2431**



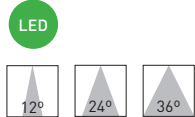
37W
12°
control gear EL
4400 lm
2700K **11.3645.5211**
3000K **11.3645.5311**
4000K **11.3645.5411**



37W
24°
control gear EL
4400 lm
2700K **11.3645.5221**
3000K **11.3645.5321**
4000K **11.3645.5421**

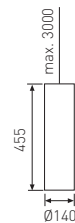


37W
36°
control gear EL
4400 lm
2700K **11.3645.5231**
3000K **11.3645.5331**
4000K **11.3645.5431**



GOLD INSIDE

LED and control gear included



25W
12°
control gear EL
3000 lm
2700K **11.3645.3211**
3000K **11.3645.3311**
4000K **11.3645.3411**



25W
24°
control gear EL
3000 lm
2700K **11.3645.3221**
3000K **11.3645.3321**
4000K **11.3645.3421**



25W
36°
control gear EL
3000 lm
2700K **11.3645.3231**
3000K **11.3645.3331**
4000K **11.3645.3431**



37W
12°
control gear EL
4400 lm
2700K **11.3645.6211**
3000K **11.3645.6311**
4000K **11.3645.6411**



37W
24°
control gear EL
4400 lm
2700K **11.3645.6221**
3000K **11.3645.6321**
4000K **11.3645.6421**



37W
36°
control gear EL
4400 lm
2700K **11.3645.6231**
3000K **11.3645.6331**
4000K **11.3645.6431**

Finishes



To complete the product reference, add finish

Base



On-Off Surface Base
11.1645.0001.



Dali Surface Base
11.1645.0003.



On-Off Semi Surface Base
11.1645.0002.

Reference options

11. 645.

- 1- Ø60
- 2- Ø108
- 3- Ø140

- 1- orange inside / low power
- 2- black inside / low power
- 3- gold inside / low power
- 4- orange inside / high power
- 5- black inside / high power
- 6- gold inside / high power

- 2- 2700K
- 3- 3000K
- 4- 4000K

- 1- 12°
- 2- 24°
- 3- 36°**

- 1- On-Off*
- 2- Dimable
- 3- Dali

- 02- gold
- 22- anthracite
- 63- white

Reference Example

11.1645.4213.22



* - Small version only On / Off

** - Small version only 12° and 24°



Visual, Spain

High efficiency suspended luminaire for interior lighting. It is available with two different reflector finishes, aluminium or polycarbonate. These offer two different aesthetic versions and allow their use in a huge range of spaces like halls, retail showrooms, and home areas.

Features:

Body built in aluminium and reflector manufactured from aluminium or polycarbonate. It can set protection glass or polycarbonate opal diffuser. Electronic gear built in the luminaire.



Power

LED 26W, 39W

Beam

60°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

26W - 3000 lm, 39W - 5000 lm

Control gear

Electronic (EL)

IP

IP20

Materials

Aluminium

Polycarbonate

Finishes

Grey

Supply voltage

220...230V, 50/60Hz

Installation

Suspended

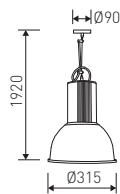
Features



LED

Polycarbonate

LED and control gear included



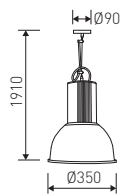
26W
60°
3000 lm
4000K **AG0D1ST130PC9**

39W
60°
5000 lm
4000K **AG0D1ST150PC9A**

LED

Aluminium

LED and control gear included



26W
60°
3000 lm
4000K **AG0D1STL30AL9**

39W
60°
5000 lm
4000K **AG0D1STL50AL9A**



Low energy consumption surface Downlights. Great energy saving in general lighting applications. Integrated opal closing diffuser.

Features:

Injected aluminium housing and trim. Polycarbonate diffuser. Round and square format.



Power

LED 7W, 22W

Beam

120°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

Round 7W - 450lm, 22W - 1838lm

Square 7W - 426lm, 22W - 1821lm

Control gear

Electronic (EL)

IP

IP44

Finishes

White (33)

Supply voltage

220...240V, 50/60Hz

Installation

Surface

Features

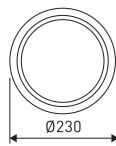


LED



7W
120°
450 lm
3000K **0250L/M183S/33**
4000K **0250L/M184S/33**

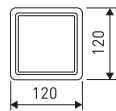
LED and control gear included



22W
120°
1838 lm
3000K **0250L/M383S/33**
4000K **0250L/M384S/33**

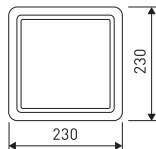
LED and control gear included

LED



7W
120°
426 lm
3000K **0450L/M183S/33**
4000K **0450L/M184S/33**

LED and control gear included



22W
120°
1821 lm
3000K **0450L/M383S/33**
4000K **0450L/M384S/33**

LED and control gear included

IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p.82

RECESSED LUMINAIRES p.138

RECESSED LINEARS p.154

SURFACE DOWNLIGHTS p.166

SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

WALL - CEILING - FLOOR p.206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

6

SURFACE LUMINAIRES

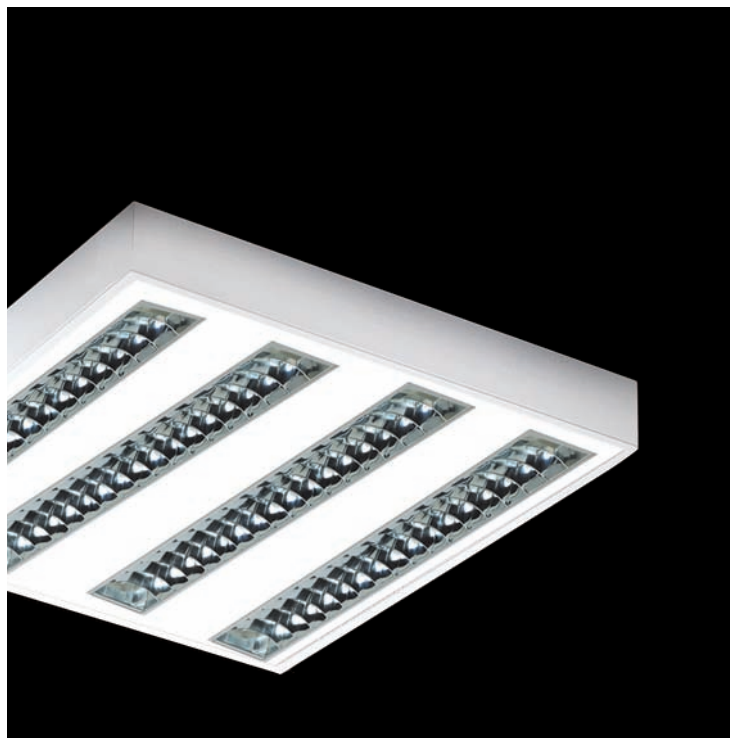


Serie 440
p. 180

Luminaires for lamps LED. Designed to light work areas such as offices or traffic zones, where no false ceilings can be opened.

Features:

Surface-mounted luminaires. Steel housing, painted white. Optical block comprising a glossy anodised aluminium reflector, a matt anodised slat and a textured polycarbonate diffuser. Different formats: 600x600 o 300x1200. Mounted on the ceiling. Version UGR < 19.



Power

LED 36W

Beam

74°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

36W - 5280 lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer Dali (ELDD)

IP

IP20

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Surface

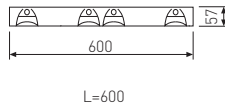
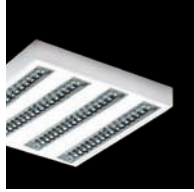
Features



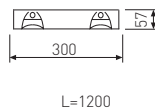
LED

Glossy optics
Plain matt slat

LED and control gear included



□	□	□
36W 74° 600x600 Control gear EL 5280 lm 3000K 431L/4883/33 4000K 431L/4884/33	36W 74° 600x600 Control gear ELD 5280 lm 3000K 431L/4883D/33 4000K 431L/4884D/33	36W 74° 600x600 Control gear ELDD 5280 lm 3000K 431L/4883DD/33 4000K 431L/4884DD/33

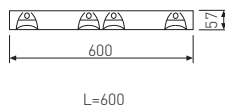
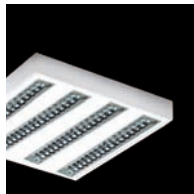


□	□	□
36W 74° 300x1200 Control gear EL 5280 lm 3000K 431L/5883/33 4000K 431L/5884/33	36W 74° 300x1200 Control gear ELD 5280 lm 3000K 431L/5883D/33 4000K 431L/5884D/33	36W 74° 300x1200 Control gear ELDD 5280 lm 3000K 431L/5883DD/33 4000K 431L/5884DD/33

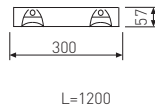
UGR

<19

Glossy optics
Double parabolic louver



□	□	□
36W 74° 600x600 Control gear EL 5280 lm 3000K 431L/4883U/33 4000K 431L/4884U/33	36W 74° 600x600 Control gear ELD 5280 lm 3000K 431L/4883DU/33 4000K 431L/4884DU/33	36W 74° 600x600 Control gear ELDD 5280 lm 3000K 431L/4883DDU/33 4000K 431L/4884DDU/33



□	□	□
36W 74° 300x1200 Control gear EL 5280 lm 3000K 431L/5883U/33 4000K 431L/5884U/33	36W 74° 300x1200 Control gear ELD 5280 lm 3000K 431L/5883DU/33 4000K 431L/5884DU/33	36W 74° 300x1200 Control gear ELDD 5280 lm 3000K 431L/5883DDU/33 4000K 431L/5884DDU/33

IN



ARCHITECTURAL p.12

SPOTLIGHTS p. 56

RECESSED DOWNLIGHTS p.82

RECESSED LUMINAIRES p.138

RECESSED LINEARS p.154

SURFACE DOWNLIGHTS p.166

SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

WALL - CEILING - FLOOR p.206

INDUSTRIAL p. 220

HEALTH & CARE p. 234

7

SURFACE LINEARS



FlexilLED
p. 184



PerfiLED
p. 188



Ledline
p. 190



Online
p. 192



Essence
p. 200



Cuc
p. 204

Flexible LED strip for both indoor and outdoor use, highly versatile and easy to install in different applications.

FlexiLED is a product with excellent lighting performance and high colour uniformity, consisting of 60, 120, 240 high efficiency SMD LEDs per metre.

FlexiLED features a self-adhesive tape on the back of the strip for quick and easy installation.

Features:

Width 11mm and height 3mm; ideal for applications in small spaces. Minimum cut 25mm. High flexibility of LED strip. Transparent silicone protection that does not turn yellow with ultraviolet rays. Delivered in 5 metre rolls. The flexible strips should be mounted on smooth surfaces free of dust and grease. It is recommended always to install them on aluminium profiles.

On other types of surface it is recommendable to use an additional mechanical attachment.

Signage, Architectural lighting, Perimeter lighting of facades, Alcoves, Backlighting of light boxes, Small shelves, Furniture...



Power

LED 5W/m, 12W/m, 15W/m, 24W/m, RGB 13W/m

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

6000K cool white - CRI \geq 80

Nominal lumen output

5W - 3000K 473lm, 4000K 595lm, 6000K 612lm (per metre linear)

12W - 3000K 1090lm, 4000K 1224lm, 6000K 1301lm (per metre linear)

15W - 3000K 1380lm, 4000K 1496lm, 6000K 1566lm (per metre linear)

24W - 3000K 2491lm, 4000K 2682lm, 6000K 2659lm (per metre linear)

Control gear

Electronic (EL)

IP

IP20 - IP65

Supply voltage

24 VDC

Installation

Surface

Accessories

Perfiles de aluminio

Cubiertas

Tapas finales

Grapas de instalación

Equipos auxiliares

Features



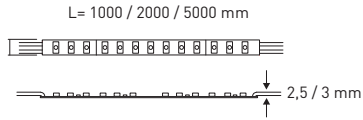
Control gear required

Versions: 2700K Available in IP20 / on request

LED

IP
20

5W, 12W = 8mm
12W, 15W = 10mm
RGB 13W = 8mm

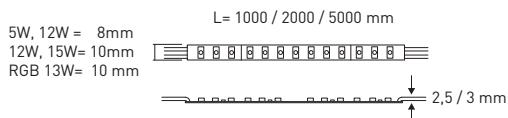


5W lineal meter	1m	2m	5m
CRI80 - 3000K - 582 lm	11.7890.0583.01	11.7890.0583.02	11.7890.0583.00
CRI80 - 4000K - 625 lm	11.7890.0584.01	11.7890.0584.02	11.7890.0584.00
CRI80 - 6000K - 615 lm	11.7890.0586.01	11.7890.0586.02	11.7890.0586.00
12W lineal meter	1m	2m	5m
CRI80 - 3000K - 1387 lm	11.7890.1283.01	11.7890.1283.02	11.7890.1283.00
CRI80 - 4000K - 1486 lm	11.7890.1284.01	11.7890.1284.02	11.7890.1284.00
CRI80 - 6000K - 1479 lm	11.7890.1286.01	11.7890.1286.02	11.7890.1286.00
15W lineal meter	1m	2m	5m
CRI80 - 3000K - 1749 lm	11.7890.1583.01	11.7890.1583.02	11.7890.1583.00
CRI80 - 4000K - 1898 lm	11.7890.1584.01	11.7890.1584.02	11.7890.1584.00
CRI80 - 6000K - 1921lm	11.7890.1586.01	11.7890.1586.02	11.7890.1586.00
24W lineal meter	1m	2m	5m
CRI80 - 3000K - 2491 lm	11.7890.2483.01	11.7890.2483.02	11.7890.2483.00
CRI80 - 4000K - 2682 lm	11.7890.2484.01	11.7890.2484.02	11.7890.2484.00
CRI80 - 6000K - 2659 lm	11.7890.2486.01	11.7890.2486.02	11.7890.2486.00
13W lineal meter	1m	2m	5m
RGB	11.7890.1300.01	11.7890.1300.02	11.7890.1300.00

Features



Control gear required



5W lineal meter	1m	2m	5m
CRI80 - 3000K - 473 lm	11.7850.0583.01	11.7850.0583.02	11.7850.0583.00
CRI80 - 4000K - 595 lm	11.7850.0584.01	11.7850.0584.02	11.7850.0584.00
CRI80 - 6000K - 612 lm	11.7850.0586.01	11.7850.0586.02	11.7850.0586.00

12W lineal meter	1m	2m	5m
CRI80 - 3000K - 1090 lm	11.7850.1283.01	11.7850.1283.02	11.7850.1283.00
CRI80 - 4000K - 1224 lm	11.7850.1284.01	11.7850.1284.02	11.7850.1284.00
CRI80 - 6000K - 1301 lm	11.7850.1286.01	11.7850.1286.02	11.7850.1286.00

15W lineal meter	1m	2m	5m
CRI80 - 3000K - 1380 lm	11.7850.1583.01	11.7850.1583.02	11.7850.1583.00
CRI80 - 4000K - 1496 lm	11.7850.1584.01	11.7850.1584.02	11.7850.1584.00
CRI80 - 6000K - 1566 lm	11.7850.1586.01	11.7850.1586.02	11.7850.1586.00

20W lineal meter	1m	2m	5m
CRI80 - 3000K - 2491 lm	11.7850.2483.01	11.7850.2483.02	11.7850.2483.00
CRI80 - 4000K - 2682 lm	11.7850.2484.01	11.7850.2484.02	11.7850.2484.00
CRI80 - 6000K - 2659 lm	11.7850.2486.01	11.7850.2486.02	11.7850.2486.00

13W lineal meter	1m	2m	5m
RGB roll 5m	11.7850.1300.01	11.7850.1300.02	11.7890.1300.00

Accessories**Recessed ProfilIncludes:**

Anodised recessed aluminium profile (Alu6063-T5) + Transparent diffuser + Fasteners + Covers

Aluminium profile - L1000 x 25 x 14,5 mm **11.7890.0011.20**Aluminium profile - L2000 x 25 x 14,5 mm **11.7890.0012.20****Surface Profile Set**

Includes: Anodised recessed aluminium profile (Alu6063-T5) + Transparent diffuser + Fasteners + Covers

Aluminium profile - L1000 x 17,3 x 14,5 mm **11.7890.0021.20**Aluminium profile - L2000 x 17,3 x 14,5 mm **11.7890.0022.20****45° Profile Set**

Includes: Anodised recessed aluminium profile (Alu6063-T5) + Transparent diffuser + Fasteners + Covers

Aluminium profile - L1000 x 18,1 x 18,1 mm **11.7890.0031.20**Aluminium profile - L2000 x 18,1 x 18,1 mm **11.7890.0032.20****Auxiliary equipment IP20**Power supply 120-240Vac/24V 35W **71/LD3524**Power supply 120-240Vac/24V 60W **71/LD6024**Power supply 120-240Vac/24V 100W **71/LD10024****71/LD18024****Auxiliary equipment IP20**Adjustable RGBW controller **11.1655.0001.00**Touch-sensitive recessed controller **11.1655.0002.00**RGBW control button **11.1655.0003.00**Booster **11.1655.0004.00****Auxiliary equipment IP67**Power supply 120-240Vac/24V 60W **71/LDT06024**Power supply 120-240Vac/24V 96W **71/LDT9624**Power supply 120-240Vac/24V 150W **71/LDT15024**

All in one. Low profile batten luminaire in silver-grey aluminium with PMMA transparent lens. High-luminosity, high-efficiency, low maintenance LEDs incorporated. Discrete and stylish directional surface fitting. The small size makes fitting easy, its marvellous design offers a myriad of applications.

Features

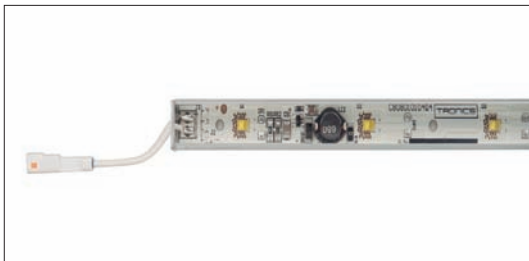
Extruded aluminium profile in matt silver grey with PMMA protective longitudinal lens. Aluminium covers and IP65 automatic connectors.

Include two LED models, medium voltage to 210W and high voltage up to 1W. 60° beam transparent models available. Maximum linear connection luminaires per power outlet with medium power (22,5W) triple chip model: 6 meters. Maximum linear connection luminaires per power outlet with high power (31,25W) model: 2 meters.

Directional surface fitting (not directional optional).

Directional accessories included.

Fixing clips included (3 units)



Power

LED from 4,5W to 31,25W

Beam

60°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

6500K cool white - CRI ≥ 80

Control gear

Electronic (EL)

IP

IP20

Supply voltage

24Vdc

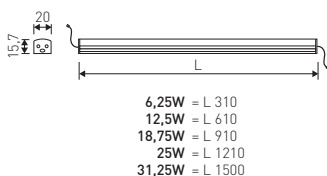
Features



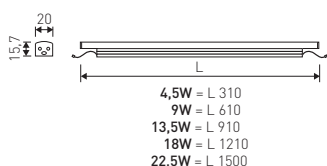
Control gear required
Accessories Cable-connector

Possibility of doing other versions on request:

- LED Colours: RGB (not available for high voltage versions)
- Beam type: 90° transparent, 60° diffuse, 90° diffuse, opal.
- Protection level: IP65 (not for high voltage versions).



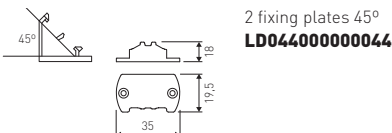
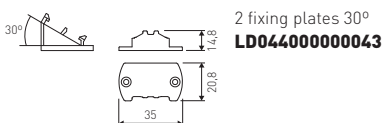
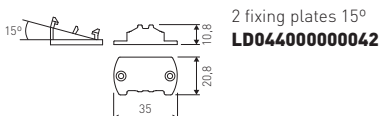
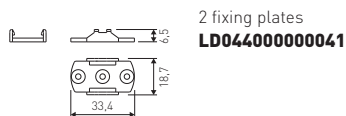
6,25W 60° 3000K LD034603114011 4000K LD034703114011 6500K LD034503114021	12,5W 60° 3000K LD034606114011 4000K LD034706114011 6500K LD034506114021	18,75W 60° 3000K LD034609114011 4000K LD034709114011 6500K LD034509114021
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4,5W 60° 3000K LD033603114011 4000K LD033703114011 6500K LD033503114021	9W 60° 3000K LD033606114011 4000K LD033706114011 6500K LD033506114021	13,5W 60° 3000K LD033609114011 4000K LD033709114011 6500K LD033509114021
--	--	---

18W 60° 3000K LD033612114011 4000K LD033712114011 6500K LD033512114021	22,5W 60° 3000K LD033615114011 4000K LD033715114011 6500K LD033515114021
---	---

Accessories fixing



accessories

LD044000000001	30 cm cable with FEMALE power supply connector
LD044000000002	30 cm cable with MALE power supply connector
LD044000000003	30 cm interconnection cable with MALE-FEMALE

Auxiliary equipment IP20

71/LD3524	Power supply 120-240Vac/24V 35W
71/LD6024	Power supply 120-240Vac/24V 60W
71/LD10024	Power supply 120-240Vac/24V 96W
71/LD18024	Power supply 120-240Vac/24V 180W

Auxiliary equipment for regulation

73/DLP	Light dimming controller 12-24V. On/off, push, DALI, 0-10V, 1-10V
73/DLS	Light dimming controller 12-24V. On/off, push, DALI, 0-10V, 1-10V (slave)

Small power strip to accommodate small spaces, shelves, and indirect lighting needs. Possibility to create continuous lines.

Features:

Polycarbonate body and diffuser. Surface installation, either suspended (suspension kit not included) or as continuous lines. Built in connectors.



Power

LED 4,5W, 9W, 13,5W, 18W

Beam

105°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Flujo nominal

4,5W - 3000K 554lm, 4000K 578lm
9W - 3000K 1051lm, 4000K 1216lm
13,5W - 3000K 1511lm, 4000K 1594lm
18W - 3000K 1924lm, 4000K 2030lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White brilliant

Supply voltage

220... 230V, 50/60Hz

Installation

Surface

Accessories

Kit suspension
Conectors

Features



LED and control gear included



L= 300
L= 585
L= 885
L= 1185



4,5W
105°
554 lm - 3000K **11.0200.0305.30**
578 lm - 4000K **11.0200.0305.40**



9W
105°
1051 lm - 3000K **11.0200.0610.30**
1216 lm - 4000K **11.0200.0610.40**

13,5W
105°
1511 lm - 3000K **11.0200.0915.30**
1594 lm - 4000K **11.0200.0915.40**

18W
105°
1927 lm - 3000K **11.0200.1220.30**
2030 lm - 4000K **11.0200.1220.40**

Suspension systems



11.0200.0004.00
Kit suspension



11.0200.0001.00
Connector L



11.0200.0002.00
Connector T



11.0200.0003.00
Connector +

Online is a range of fluorescent luminaires for surface mounting or hanging. They are designed to form continuous lines or other structures, or to be installed as single modules. A compact size design, while at the same time providing high performance and visual comfort.

Features:

Full range of hanging or surface mounted fixtures can be installed as individual modules or in continuous lines.

Aluminum profile. Clear methacrylate diffuser (PMMA), double parabolic symmetrical and asymmetrical reflectors in high purity, specular aluminum.

Section profile 95 mm x 95 mm.

Two lengths available for each model.

Fitting:

Can be fitted as individual modules or in continuous lines or other structures.

Requires accessories, not included.



High purity aluminium double parabolic



Opal methacrylate diffuser



Asymmetrical beam

Power

LED 14W, 19W, 22W, 27W, 36W, 45W

T5 28W, 35W, 54W, 80W

Beam

LED 60°+ 24°, 75°, 100°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

14W - 2450lm, 19W - 3280lm, 22W - 3300lm, 27W - 3900 lm,

36W - 5200lm, 45W - 6600lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

IP

IP20

Finishes

White (33)

Grey (21)

Supply voltage

220... 240V, 50/60Hz

Installation

Hanging, surface mounted

Accessories

Suspension systems, coupling, end section, end covers

Features



End-caps not included
Hanging or Surface mounted
Joint and suspension accessory (see p. 198)

Finishes



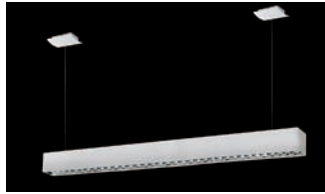
To complete the product
reference, add finish

Middle module LED



Double parabolic louver
SPECULAR darklight

Lamp and control gear included



14W L= 900
19W L= 1200
22W L= 1500

14W 75° control gear EL 2450lm 3000K 48M5/L0983 4000K 48M5/L0984	14W 75° control gear ELD 2450lm 3000K 48M5/L0983D 4000K 48M5/L0984D	14W 75° control gear ELDD 2450lm 3000K 48M5/L0983DD 4000K 48M5/L0984DD
19W 75° control gear EL 3280lm 3000K 48M5/L1283 4000K 48M5/L1284	19W 75° control gear ELD 3280lm 3000K 48M5/L1283D 4000K 48M5/L1284D	19W 75° control gear ELDD 3280lm 3000K 48M5/L1283DD 4000K 48M5/L1284DD
22W 75° control gear EL 3300lm 3000K 48M5/L1583 4000K 48M5/L1584	22W 75° control gear ELD 3300lm 3000K 48M5/L1583D 4000K 48M5/L1584D	22W 75° control gear ELDD 3300lm 3000K 48M5/L1583DD 4000K 48M5/L1584DD

MIDDLE module LED



Opal methacrylate diffuser
(PMMA)

Lamp and control gear included



14W L= 900
19W L= 1200
22W L= 1500

27W 100° control gear EL 3900lm 3000K 48M4/L0983 4000K 48M4/L0984	27W 100° control gear ELD 3900lm 3000K 48M4/L0983D 4000K 48M4/L0984D	27W 100° control gear ELDD 3900lm 3000K 48M4/L0983DD 4000K 48M4/L0984DD
36W 100° control gear EL 5200lm 3000K 48M4/L1283 4000K 48M4/L1284	36W 100° control gear ELD 5200lm 3000K 48M4/L1283D 4000K 48M4/L1284D	36W 100° control gear ELDD 5200lm 3000K 48M4/L1283DD 4000K 48M4/L1284DD
45W 100° control gear EL 6600lm 3000K 48M4/L1583 4000K 48M4/L1584	45W 100° control gear ELD 6600lm 3000K 48M4/L1583D 4000K 48M4/L1584D	45W 100° control gear ELDD 6600lm 3000K 48M4/L1583DD 4000K 48M4/L1584DD

Features

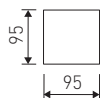


End-caps not included
Suspension accessory
(see p. 198)

Finishes



To complete the product
reference, add finish



27W L= 900
35W L= 1200
45W L= 1500

27W
60°+24°
control gear EL
3900lm
3000K **48M6/L0983**
4000K **48M6/L0984**

36W
60°+24°
control gear EL
5280lm
3000K **48M6/L1283**
4000K **48M6/L1284**

45W
60°+24°
control gear EL
6600lm
3000K **48M6/L1583**
4000K **48M6/L1584**

27W
60°+24°
control gear ELD
3900lm
3000K **48M6/L0983D**
4000K **48M6/L0984D**

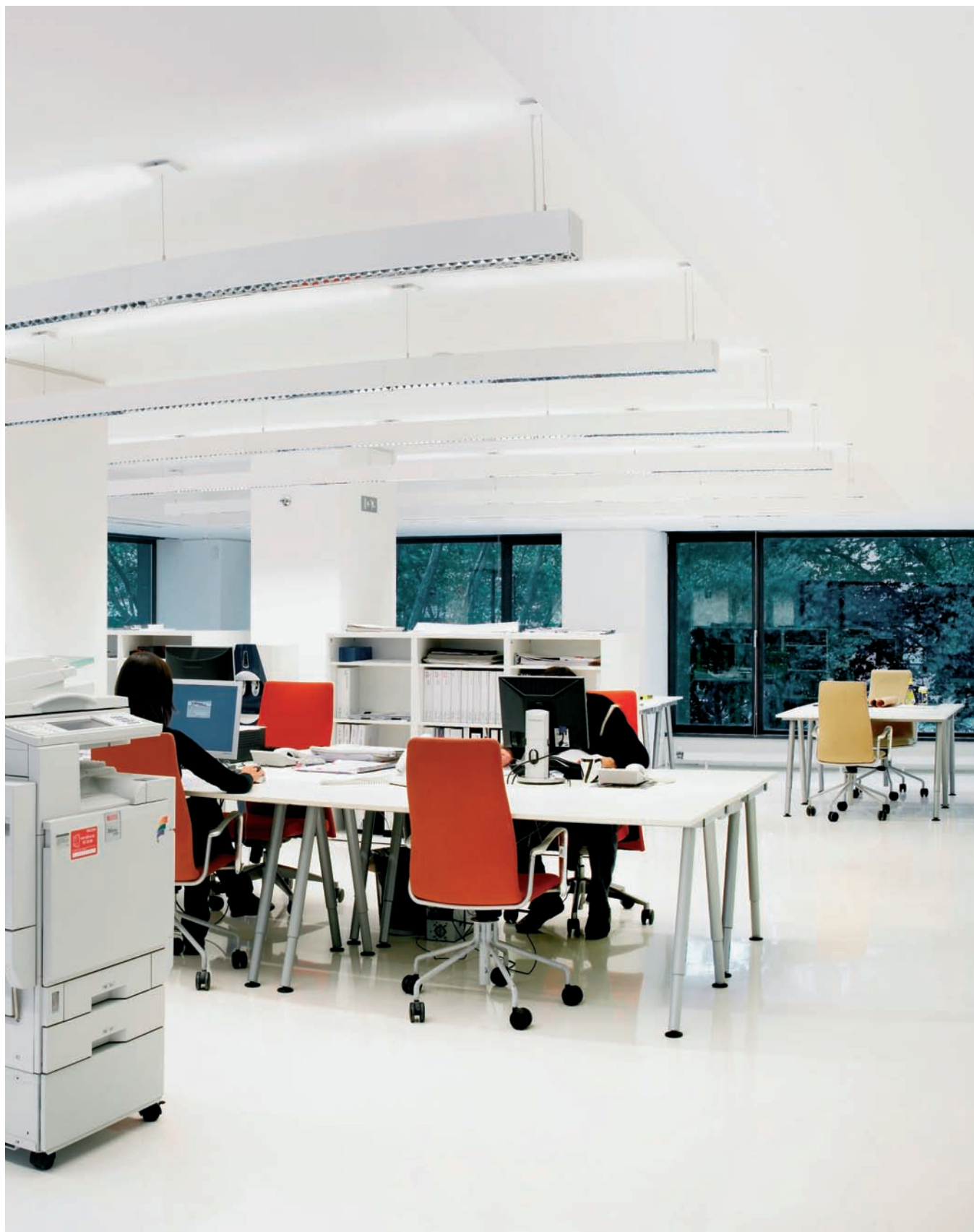
36W
60°+24°
control gear ELD
5280lm
3000K **48M6/L1283D**
4000K **48M6/L1284D**

45W
60°+24°
control gear ELD
6600lm
3000K **48M6/L1583D**
4000K **48M6/L1584D**

27W
60°+24°
control gear ELDD
3900lm
3000K **48M6/L0983DD**
4000K **48M6/L0984DD**

36W
60°+24°
control gear ELDD
5280lm
3000K **48M6/L1283DD**
4000K **48M6/L1284DD**

45W
60°+24°
control gear ELDD
6600lm
3000K **48M6/L1583DD**
4000K **48M6/L1584DD**



b720, Spain

Features



End-caps not included
Suspension accessory
(see p. 198)

Finishes



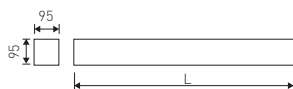
To complete the product
reference, add finish

Single module T5

G5 T5-HO

Opal methacrylate diffuser
(PMMA)

Lamp and control gear included



Starting module	Central module	End module
54W L= 1200	54W L= 1128	54W L= 1056
80W L= 1500	80W L= 1428	80W L= 1356

54W
control gear CP
3000K **4814/15483**
4000K **4814/15484**

54W
control gear CPD
3000K **D4814/15483**
4000K **D4814/15484**

54W
control gear CPDD
3000K **DD4814/15483**
4000K **DD4814/15484**

80W
control gear CP
3000K **4814/18083**
4000K **4814/18084**

80W
control gear CPD
3000K **D4814/18083**
4000K **D4814/18084**

80W
control gear CPDD
3000K **DD4814/18083**
4000K **DD4814/18084**

Starting module continuous lines T5

54W
control gear CP
3000K **48P4/15483**
4000K **48P4/15484**

54W
control gear CPD
3000K **D48P4/15483**
4000K **D48P4/15484**

54W
control gear CPDD
3000K **DD48P4/15483**
4000K **DD48P4/15484**

80W
control gear CP
3000K **48P4/18083**
4000K **48P4/18084**

80W
control gear CPD
3000K **D48P4/18083**
4000K **D48P4/18084**

80W
control gear CPDD
3000K **DD48P4/18083**
4000K **DD48P4/18084**

Middle module continuous lines T5

54W
control gear CP
3000K **48M4/15483**
4000K **48M4/15484**

54W
control gear CPD
3000K **D48M4/15483**
4000K **D48M4/15484**

54W
control gear CPDD
3000K **DD48M4/15483**
4000K **DD48M4/15484**

80W
control gear CP
3000K **48M4/18083**
4000K **48M4/18084**

80W
control gear CPD
3000K **D48M4/18083**
4000K **D48M4/18084**

80W
control gear CPDD
3000K **DD48M4/18083**
4000K **DD48M4/18084**

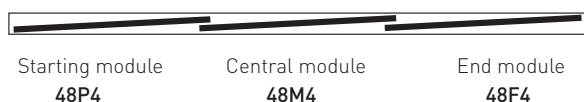
End module continuous lines T5

54W
control gear CP
3000K **48F4/15483**
4000K **48F4/15484**

54W
control gear CPD
3000K **D48F4/15483**
4000K **D48F4/15484**

54W
control gear CPDD
3000K **DD48F4/15483**
4000K **DD48F4/15484**

Sketches for continuous-line with Opal diffuser versions.
Installation system to avoid shadows between lamps.



80W
control gear CP
3000K **48F4/18083**
4000K **48F4/18084**

80W
control gear CPD
3000K **D48F4/18083**
4000K **D48F4/18084**

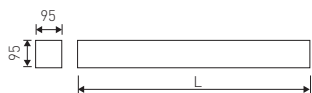
80W
control gear CPDD
3000K **DD48F4/18083**
4000K **DD48F4/18084**

Single module T5

G5 T5-HO

High purity aluminum double parabolic reflector

Lamp and control gear included



28W L= 1200
35W L= 1500

28W
control gear CP
3000K **4835/12883**
4000K **4835/12884**

28W
control gear CPD
3000K **D4835/12883**
4000K **D4835/12884**

28W
control gear CPDD
3000K **DD4835/12883**
4000K **DD4835/12884**

35W
control gear CP
3000K **4835/13583**
4000K **4835/13584**

35W
control gear CPD
3000K **D4835/13583**
4000K **D4835/13584**

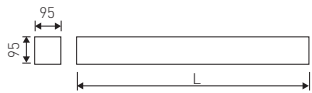
35W
control gear CPDD
3000K **DD4835/13583**
4000K **DD4835/13584**

Single module T5

G5 T5-HO

Asymmetrical beam

Lamp and control gear included



54W L= 1200
80W L= 1500

54W
control gear CP
3000K **4806/15483**
4000K **4806/15484**

54W
control gear CPD
3000K **D4806/15483**
4000K **D4806/15484**

54W
control gear CPDD
3000K **DD4806/15483**
4000K **DD4806/15484**

80W
control gear CP
3000K **4806/18083**
4000K **4806/18084**

80W
control gear CPD
3000K **D4806/18083**
4000K **D4806/18084**

80W
control gear CPDD
3000K **DD4806/18083**
4000K **DD4806/18084**

/21 /33

Suspension systems



■ ■
Suspension with connection - 3 poles
138/510



■ ■
Steel suspension cable (for single module)
138/511

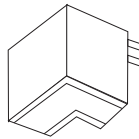


■ ■
Suspension with connection - 5 poles
138D/510



■ ■
Steel suspension cable (for double module)
48M/511

Coupling



■ ■
90° elbow
48/501

End section



■ ■
End section 1200 mm
48/1200

■ ■
End section 1500 mm
48/1500

End covers



■ ■
48/507





b720, Spain

The concept of Essence is based on a minimalist and versatile design for complete integration into the surroundings. Luminaires designed around LED making the most of its small size to achieve a compact and reduced look.

Features:

Extruded aluminum profile. High purity, specular aluminum reflector recovers the flux of light for greater performance.

Translucent methacrylate diffuser (PMMA) or high-purity aluminium reflector with polycarbonate diffuser.

Fitting:

Several installation options: hanging, ceiling or wall-mounted.

Hanging models are suspended from a steel cable. Suspension elements not included. Accessories needed.

Fitted as an independent module and forming continuous lines.



Power

LED 14W, 19W, 24W, 28W, 37W, 48W

T5-HE 28W

T5-HO 54W

Beam

LED 86°

Colour temperature

3000K warm white - CRI \geq 85

4000K neutral white - CRI \geq 85

Nominal lumen output

14W - 1500lm, 15W - 2258lm, 19W - 2300lm, 19,5W - 2700lm, 20W - 3100lm,

24W - 3150lm, 27W - 3600lm, 29W - 360 lm, 34W - 4050 lm, 40W - 4670 lm

Control gear

Electronic (EL) - (CP)

Electronic Dimmer Dali (ELDD) - (CPDD)

IP

IP40

Finishes

Black (04)

White (33 - 63)

Grey (21)

Supply voltage

220... 240V, 50/60Hz

Accessories

Suspension systems

Features



Translucent polycarbonate diffuser (PMMA)
For hanging versions, accessories are required
End caps included.

Finishes



To complete the product reference, add finish

Versions: 2700K Available / on request

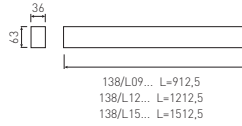
SINGLE module LED



Hanging or ceiling mounted

LED and control gear included

Can be fitted in continuous lines (see accessories)

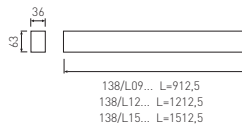
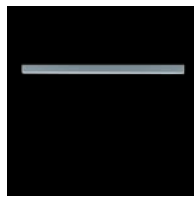


Finish	Power (W)	Beam Angle (°)	Lumen (lm)	Control Gear	Product Reference
/21	14W	86°	1500 lm	control gear EL	3000K 137/L0983 4000K 137/L0984
/33	19W	86°	2300 lm	control gear EL	3000K 137/L1283 4000K 137/L1284
/33	24W	86°	2900 lm	control gear EL	3000K 137/L1583 4000K 137/L1584
/21	28W	86°	3510 lm	control gear EL	3000K 138/L0983 4000K 138/L0984
/33	37W	86°	4680 lm	control gear EL	3000K 138/L1283 4000K 138/L1284
/33	48W	86°	5980 lm	control gear EL	3000K 138/L1583 4000K 138/L1584
/21	14W	86°	1500 lm	control gear ELDD	3000K DD137/L0983 4000K DD137/L0984
/33	19W	86°	2300 lm	control gear ELDD	3000K DD137/L1283 4000K DD137/L1284
/33	24W	86°	2900 lm	control gear ELDD	3000K DD137/L1583 4000K DD137/L1584
/21	28W	86°	3510 lm	control gear ELDD	3000K DD138/L0983 4000K DD138/L0984
/33	37W	86°	4680 lm	control gear ELDD	3000K DD138/L1283 4000K DD138/L1284
/33	48W	86°	5980 lm	control gear ELDD	3000K DD138/L1583 4000K DD138/L1584



Wall-mounted

LED and control gear included

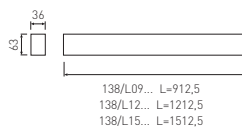


Finish	Power (W)	Beam Angle (°)	Lumen (lm)	Control Gear	Product Reference
/21	28W	86°	3510 lm	control gear EL	3000K 138AP/L0983 4000K 138AP/L0984
/33	37W	86°	4680 lm	control gear EL	3000K 138AP/L1283 4000K 138AP/L1284
/33	48W	86°	5980 lm	control gear EL	3000K 138AP/L1583 4000K 138AP/L1584



Track

LED and control gear included



Finish	Power (W)	Beam Angle (°)	Lumen (lm)	Control Gear	Product Reference
/21	28W	86°	3510 lm	control gear EL	3000K 138L/0983T 4000K 138L/0984T
/33	37W	86°	4680 lm	control gear EL	3000K 138L/1283T 4000K 138L/1284T
/33	48W	86°	5980 lm	control gear EL	3000K 138L/1583T 4000K 138L/1584T

Features



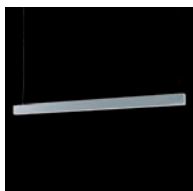
Translucent polycarbonate diffuser (PMMA)
For hanging versions, accessories are required
End caps included.

Finishes



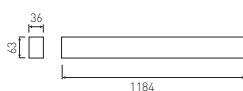
To complete the product
reference, add finish

G5 **T5-HE**

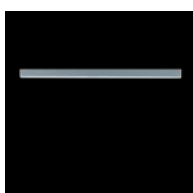


Hanging or ceiling mounted

Control gear included

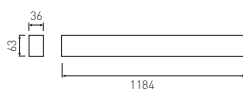


<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28W	28W	28W	28W
control gear CP	control gear CPD	control gear CPD	control gear CPDD
3000K 138/12883	3000K D138/12883	3000K DD138/12883	3000K DD138/12883
4000K 138/12884	4000K D138/12884	4000K D138/12884	4000K DD138/12884



Wall-mounted

Control gear included



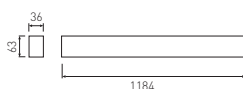
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28W	28W	28W	28W
control gear CP	control gear CPD	control gear CPD	control gear CPDD
3000K 136AP/12883	3000K D136AP/12883	3000K DD136AP/12883	3000K DD136AP/12883
4000K 136AP/12884	4000K D136AP/12884	4000K D136AP/12884	4000K DD136AP/12884

G5 **T5-HO**



Hanging or ceiling mounted

Control gear included

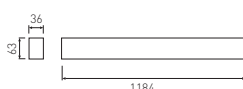


<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
54W	54W	54W	54W
control gear CP	control gear CPD	control gear CPD	control gear CPDD
3000K 138/15483	3000K D138/15483	3000K DD138/15483	3000K DD138/15483
4000K 138/15484	4000K D138/15484	4000K D138/15484	4000K DD138/15484



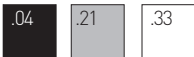
Wall-mounted

Control gear included



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
54W	54W	54W	54W
control gear CP	control gear CPD	control gear CPD	control gear CPDD
3000K 136AP/15483	3000K D136AP/15483	3000K DD136AP/15483	3000K DD136AP/15483
4000K 136AP/15484	4000K D136AP/15484	4000K D136AP/15484	4000K DD136AP/15484

Finishes



To complete the product reference, add finish

Suspension systems



Suspension without connection.
138/511



Suspension with connection - 3 poles
138/510



Intermediate hanging
138M/511



Suspension with connection - 5 poles
138D/510

Aligner for continuous lines
for ref. 136AP...,137...,138...
ALC/138



Linear, elegant luminaire with personality. Long-lasting, with excellent visual comfort, chromatic quality, and high efficiency. It includes high-flow, high-efficiency LEDs to fit on the surface or orientable to the wall perfect to wash walls in interior spaces.

Features:

Extruded, painted aluminium profile. Side and front covers of painted steel. Adjustable 90°.



Power

LED 9W - 13,5W - 18W

Beam

25°, 26°x33°

Colour Temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

9W - 710lm, 13,5W - 1060lm, 18W - 1420lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White [33]

Black [04]

Supply voltage

24VDC

Features



Finishes

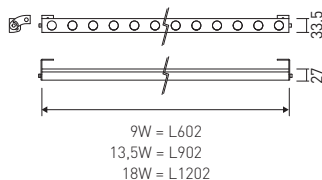


To complete the product reference, add finish

LED



LED included



9W
25°
710 lm
3000K **140AP/L0683M**
4000K **140AP/L0684M**



13,5W
25°
1060 lm
3000K **140AP/L0983M**
4000K **140AP/L0984M**



18W
25°
1420 lm
3000K **140AP/L1283M**
4000K **140AP/L1284M**



9W
26°x33°
710 lm
3000K **140AP/L0683EL**
4000K **140AP/L0684EL**



13,5W
26°x33°
1060 lm
3000K **140AP/L0983EL**
4000K **140AP/L0984EL**



18W
26°x33°
1420 lm
3000K **140AP/L1283EL**
4000K **140AP/L1284EL**

Auxiliary equipment IP20

Power supply 120-240Vac/24V 100W

71/LD10024

Light dimming controller 12-24V. On/off, push, DALI, 0-10V, 1-10V

73/DLP

Light dimming controller 12-24V. On/off, push, DALI, 0-10V, 1-10V (slave)

73/DLS

IN



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SURFACE LUMINAIRES p.178

SURFACE LINEARS p.182

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8

WALL - CEILING - FLOOR



Doupled
p. 208



Orbit
p. 210



Flex
p. 212



X Line
p. 214



Beryl KN
p. 216



Mini Wall
p. 218

Wall fixtures family developed to maximize the benefits of LED light sources. They feature a compact size and a design that avoids the superfluous, allowing seamless integration into different areas. Suitable for applications in hotels, restaurants and passageways in commercial areas, as well as in residential areas.

Características:

The range comes in two sizes and two finishing.
Extruded aluminium housings.
LED and control gear included



Power

LED 5W

Beam

120°

Colour temperature

3000K warm white - CRI \geq 80

Nominal lumen output

5,4W - 394lm

Control gear

Electronic (EL)

IP

IP20 - IK06

Finishes

White (33)

Grey (41)

Supply voltage

100...240V, 50/ 60 Hz

Features



Finishes

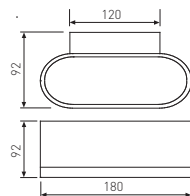
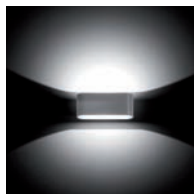


To complete the product reference, add finish

LED



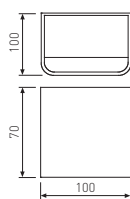
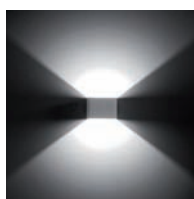
LED and control gear included



□
5,4W
120°
394 lm
6311/L

■
5,4W
120°
394 lm
6311/L

LED and control gear included



□
5,4W
120°
394 lm
6310/L

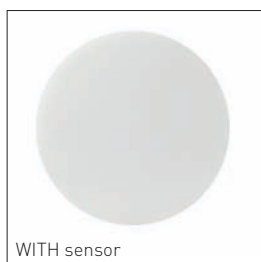
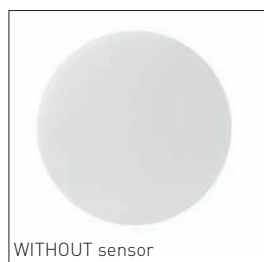
■
5,4W
120°
394 lm
6310/L

Orbit is a range of surface luminaires of circular format LED lamps developed for indoor spaces and to allow installation on walls and ceilings.

Features

Design for wall or ceiling applications. For a decorative finish, it is possible to add available rings in different colors. Polycarbonate diffuser for uniform light distribution. Easy installation. Available with sensor.

Its simple design and great formal purity makes them suitable for numerous spaces: homes (kitchens, bathrooms...), hotels, communal areas, transit areas (stairs, corridors ...), waiting areas, auxiliary spaces (storerooms, washrooms ...). Without sacrificing visual effects generated from their multiple combination in places where these lights can be part of the interior design.



Power

LED 14,5W

Colour temperature

LED 3000K warm white - CRI \geq 80

Nominal lumen output

14,5W - 1236 lm

Control gear

Electronic (EL)

Sensor

IP

IP44

Finishes accessories

Chrome (01)

Black (04)

Grey (27)

Anthracite (22)

White (33)

Copper (85)

Gold (92)

Supply voltage Alimentación

220...240, 50/60Hz

Installation

Wall or ceiling

Accessories

Decorative ring

Features

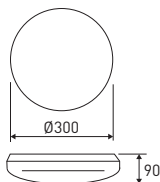


Finishes accessories



To complete the product reference, add finish

LED



14,5W
1236 lm
control gear EL
3000K **11.1550.0001.00**

14,5W
1236 lm
control gear EL
Sensor
3000K **11.1550.0002.00**

LED and control gear included

Accessories

Decorative ring

11.1550.0001

11.1550.0001



Flex is an adjustable wall lamp in small format, suitable for hotels or domestic uses for spot lighting.

Features:

Body made in die-cast aluminium with adjustable arm.
Cylindrical heads in small format.
LED and control gear included.



Power

LED 2,5W

Beam

25°

Colour temperature

3000K warm white - CRI \geq 80

Nominal lumen output

2,5W - 150 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Stainless steel (20)

Supply voltage

220...230V 50/60Hz

Installation

Wall

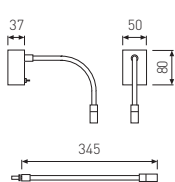
Features



LED



LED and control gear included



2,5W
25°
150 lm
3000K **0170/1/20**

X line is a range of LED luminaires. They are designed for mounting on walls for bathrooms, hospitals and can be fitted in continuous lines.

Features:

Aluminium profile and opal polycarbonate diffuser.
Electronic gear built in the luminaire.

Fitting:

Surface mounted. Can fitted as individual modules or in continuous lines.
Suspension elements not included.



Power

LED 11W, 16W, 18W, 32W, 27W, 47W, 36W, 62W

Beam

126°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

11W - 1300lm, 16W - 2200lm, 18W - 2600lm, 32W - 4400lm, 27W - 3900lm,
47W - 6600lm, 36W - 5200lm, 62W - 8800lm

Control gear

Electronic (EL)

IP

IP44 - IK04

Finishes

Grey

Supply voltage

220... 230V, 50/60Hz

Installation

Surface mounted

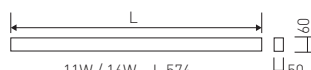
Features



LED



LED and control gear included



11W / 16W = L 574
 18W / 32W = L 1134
 27W / 36W = L 1694
 47W / 62W = L 2255

11W
 1300 lm
 3000K **AG0E1XK9L10BPLX**
 4000K **AG0E1XK9L10APLX**

16W
 2200 lm
 3000K **AG0E1XK9L20BPLX**
 4000K **AG0E1XK9L20APLX**

18W
 2600 lm
 3000K **AG0E1XK9L26BPLX**
 4000K **AG0E1XK9L26APLX**

32W
 4400 lm
 3000K **AG0E1XK9L44BPLX**
 4000K **AG0E1XK9L40APLX**

27W
 3900 lm
 3000K **AG0E1XK9L39BPLX**
 4000K **AG0E1XK9LA30APLX**

36W
 5200 lm
 3000K **AG0E1XK9L88BPLX**
 4000K **AG0E1XK9L88APLX**

47W
 6600 lm
 3000K **AG0E1XK9L66BPLX**
 4000K **AG0E1XK9L66APLX**

62W
 8800 lm
 3000K **AG0E1XK9LA40BPLX**
 4000K **AG0E1XK9LA40APLX**

Luminaires designed for accent and decorative lighting in restaurants, coffee shops, hotels and passing areas. There are versions with higher protection to create effects on walls and porches. Surface mounted luminaire suitable to light whatever surface through light beams and lenses with effects mono-emission and biemission.

Features:

Body built in aluminium. High isolation degree: IP40/IP65. Available to ceiling and wall mounted to create up and down effect. Gera built in the luminaire. Surface wall and ceiling mounted installation.



Power

LED 1,5W

Beam

12°

Colour temperature

3000K warm white

Nominal lumen output

1,5W - 87lm

Control gear

Electronic (EL)

IP

IP40, IK04

Finishes

Grey

Supply voltage

220...230V, 50/60Hz

Installation

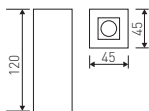
Surface wall and ceiling mounted installation

Features



Ceiling Mounted

LED and control gear included



1,5W
12°
87 lm
3000K **AGOKP1-2LED-21**

Decorative luminaire designed for lighting façades walls or passing areas. They are suitable to create light effects on those surfaces.

Features

Body built in aluminium with lenses to create up & down effect. Electronic gear built in the luminaire. Surface mounted installation.



Power

LED 1,7W

Beam

13°

Colour temperature

3000K warm white

Nominal lumen output

1,7W - 248 lm

Control gear

Electronic (EL)

IP

IP20 - IK10

Finishes

White

Black

Grey

Supply voltage

220...230V, 50/60Hz

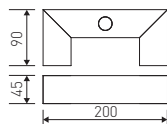
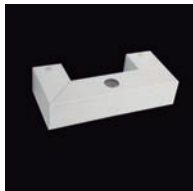
Installation

Wall

Features



LED and control gear included



2x1,7W
13°
248 lm
3000K **AGOKFL21-2**



2x1,7W
13°
248 lm
3000K **AGOKFL21-222**



2x1,7W
13°
248 lm
3000K **AGOKFL21-234**

IN



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9

INDUSTRIAL



Shopline
p. 222



Astrea
p. 228



Nix
p. 230



Oktan
p. 232

Shopline is a modular system to create continuous LED lines with high energy efficiency. Thanks to its flexibility and variety of versions, Shopline offers many possibilities to fulfil different needs in lighting projects such as shopping centers, supermarkets, industrial facilities, warehouses with ceiling height of 15m maximum. Its design enables to be installed in record time and without the need of extra tools.



Power

LED 35W, 50W, 75W

Colour temperature

4000K - neutral white - CRI \geq 80

3000K - 5000K - 6000K - on request

Nominal lumen output

35W - 5600lm, 50W - 8000lm, 75W - 11600lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

Emergency 1 (direct emergency supply...)

Emergency 2 (emergency with battery 12W, 3600 mAh, 3h)

Emergency 2 (emergency with battery 6W, 1800 mAh, 3h)

IP

IP42

Installation

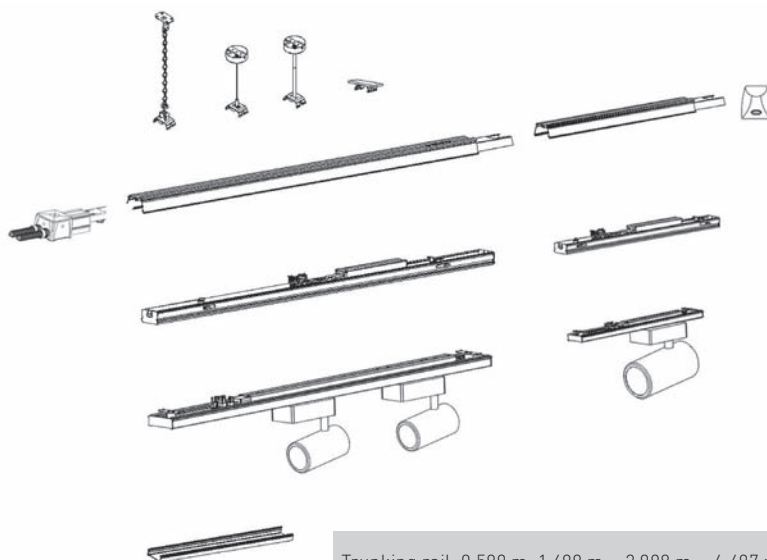
Ceiling mounting or suspended by accessories

Accessories

Suspension mounted, cover, connector

Combinations

This modular system enables multiple combinations through using different elements, adapting the system to the lighting needs of each project.



Trunking rail: 0,599 m, 1,499 m - 2,998 m - 4,497 m
 Linear Luminaire: 1,499 m
 Functional modules: control, emergency, electrified track...
 Mounting: Suspended or Surface-mounted
 Blind cover: 1,499m

Benefits

- Highly efficient modular system in LED continuous line for industrial and retail sectors.
- Excellent quality of light with a luminous flux able to meet different needs
- Easy and quick to install and replace lamps
- Flexible solution thanks to the variety of modules and possibilities

Installation

Shopline has a quick and easy installation system without using additional tools. The system enables to change a luminaire in less than 45 seconds.

Direct ceiling mounting or suspended by accessories. Especially suitable for very high ceilings. Industrial buildings, warehouses, schools, supermarkets and other shopping centers, offices, labs, halls and other facilities.

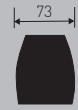


Shopline configuration



Trunking rail

Trunking rail to install suspended or surface-mounted. Sheet steel profile painted in white. Length: L= 0,599m, L=1,499m - L=2,998m - L=4,497m



Pre-Cabled

Trunking rails pre-cables and fitted with 5, 8 or 12 by 2,5mm² wires.



Pre-cabled

LED luminaires can be mounted to the trunking rail Shopline with versions for 5, 8 and 12 wires.



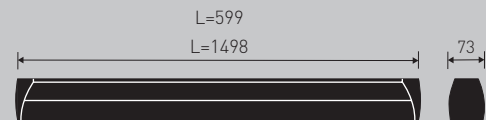
Power

Variety of luminous fluxes to meet different needs of lighting and LEDs that ensure efficient lighting.



Linear Light

Visually a continuous light line uninterrupted.



Colour Temperature

Colour rendering index of $Ra \geq 80$, colour temperature range of 3000K, 4000K, 5000K, 6000K and low UGR.



Optics

Luminaires incorporate lenses with different beam angles: Double asymmetric, left asymmetric, right asymmetric, diffuser, wide, narrow, sharp.



Control Gear

Control gear with the possibility of control and emergency lighting to provide flexibility, comfort and energy efficiency.

06 = length 0,6 m (on request)
 15 = length 1,5 m
 30 = length 3 m
 45 = length 4,5 m

track **11.0282.██.□□.33**

track end **11.0283.██.□□.33**

05 = pre-cabled and fitted with 5 cables (on request)
 08 = pre-cabled and fitted with 8 cables
 12 = pre-cabled and fitted with 12 cables (on request)

track **11.0280.■■.██.33**

track end **11.0281.■■.██.33**

5 = pre-cabled and fitted with 5 cables (on request)
 8 = pre-cabled and fitted with 8 cables
 1 = pre-cabled and fitted with 12 cables (on request)

11.14.██.□□□□.33



3 = LED 35W - 5600 lm
 5 = LED 50W - 8000 lm
 7 = LED 75W - 11600 lm

11.14.██.□□□□.33

1 = 600 mm (on request)
 2 = 1500 mm

11.14.■■.██□□□.33

3 = 3000K - (on request)
 4 = 4000K
 5 = 5000K - (on request)
 6 = 6000K - (on request)

11.14.■■.██□□□.33



1 = narrow 25°



2 = intensive 50°



3 = extensive 90°



4 = clear diffuser 120°



5 = matt diffuser 120°



6 = right asymmetric



7 = left asymmetric



8 = Double asymmetric

11.14.■■.■■██□.33

1 = Electronic (EL)
 2 = Electronic Dimmer (ELD)
 3 = Electronic Dimmer Dali (ELDD)
 4 = Emergency¹ (direct emergency supply) - (bajo demanda, precisa sistema de 11 cables)
 5 = Emergency² (emergency with battery 12W, 3600 mAh, 3h)
 6 = Emergency² (emergency with battery 6W, 1800 mAh, 3h)

11.14.■■.■■██□.33



11.14.■■.■■██□.33

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.



Mounts



11.0280.0302.00
Direct suspension mounted



11.0280.0303.00
Cord



11.0280.0304.00
Chain



11.0280.0305.00
Rod

Cover



11.0280.0307.33
End cover



11.1400.2000.33
Blind cover



11.1450.2000.33
Tray for three-phase track

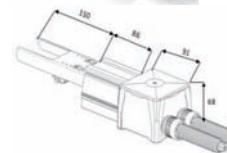
Connector



11.0281.0008.00
Feeding trunk 8 cables
(5 and 12 cables on request)



11.0281.0208.33
Terminal feeding box 8 cables
(5 and 12 cables on request)



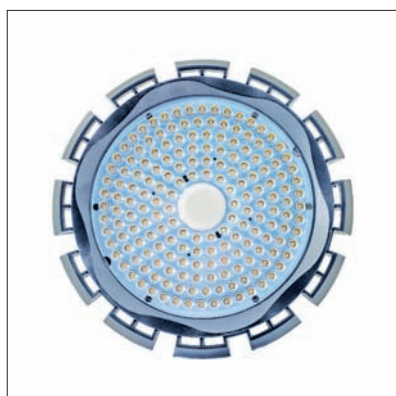


Bell suspended LED ideal for warehouses, supermarkets, exhibition halls and other interior locations that require a functional luminaire with a good design for spaces that require an industrial look.

Features:

Die-cast aluminium body bell, polycarbonate lenses and LEDs.

Available in 60, 90 and 120 degrees. Integrated electronic system.



Power

LED 90W, 148W, 198W

Beam

60°, 90°, 120°

Colour temperature

4000K neutral white - CRI \geq 80

5000K neutral white - CRI \geq 80

Nominal lumen output

90W - 12000lm, 148W - 19800lm, 198W - 26840lm

Control gear

Electronic (EL)

IP

IP65, IK05

Finishes

Grey [21]

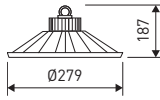
Supply voltage

220...240V, 50/60Hz

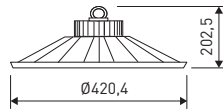
Installation

Suspended

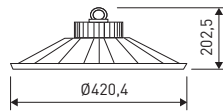
Features



□	□	□
90W	90W	90W
60°	90°	120°
control gear ELD	control gear ELD	control gear ELD
12000lm	12000lm	12000lm
4000K 11.1607.4841.21	4000K 11.1607.4842.21	4000K 11.1607.4843.21
5000K 11.1607.4851.21	5000K 11.1607.4852.21	5000K 11.1607.4853.21



□	□	□
148W	148W	148W
60°	90°	120°
control gear ELD	control gear ELD	control gear ELD
19800lm	19800lm	19800lm
4000K 11.1607.5841.21	4000K 11.1607.5842.21	4000K 11.1607.5843.21
5000K 11.1607.5851.21	5000K 11.1607.5852.21	5000K 11.1607.5853.21



□	□	□
198W	198W	198W
60°	90°	120°
control gear ELD	control gear ELD	control gear ELD
26840lm	26840lm	26840lm
4000K 11.1607.6841.21	4000K 11.1607.6842.21	4000K 11.1607.6843.21
5000K 11.1607.6851.21	5000K 11.1607.6852.21	5000K 11.1607.6853.21

Nix is a range of hermetic screens for T5 lamps with a huge variety of installation types, wall or ceiling mounted, or hanging. Luminaires especially suitable for lighting premises requiring a high level of protection from the surroundings: high degree of humidity, air pollution, risk of impacts...

Features:

Housing in injected polycarbonate, reflecting plate in enamelled steel, and methacrylate diffuser stabilized against UV rays and fixed to the luminaire by clips which are fully integrated into the housing.



Power

LED 12W, 25W, 30W, 50W, 60W

Ópticas

120°

Colour temperature

4000K neutral white - CRI \geq 80

Nominal lumen output

12W - 1120lm, 25W - 2252lm, 30W - 2875lm, 50W - 4956lm, 60W - 6023lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer Dali (ELDD)

Emergency (EE)

IP

IP65 - IK08

Finishes

Grey [21]

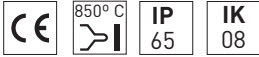
Supply voltage

220...240V, 50/60Hz

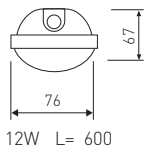
Installation

Adosada

Features



LED and control gear included



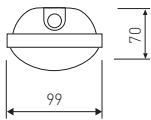
12W L= 600

12W
120°
control gear EL
1120 lm
4000K **11.0030.1411.21**

12W
120°
control gear ELD
1120 lm
4000K **11.0030.1412.21**

12W
120°
control gear ELDD
1120 lm
4000K **11.0030.1413.21**

12W
120°
control gear EE
1120 lm
4000K **11.0030.1414.21**



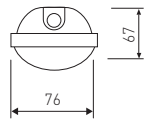
25W L= 600

25W
120°
control gear EL
2304 lm
4000K **11.0030.1401.21**

25W
120°
control gear ELD
2304 lm
4000K **11.0030.1402.21**

25W
120°
control gear ELDD
2304 lm
4000K **11.0030.1403.21**

25W
120°
control gear EE
2304 lm
4000K **11.0030.1404.21**



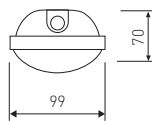
25W L= 1200

25W
120°
control gear EL
2252 lm
4000K **11.0030.2411.21**

25W
120°
control gear ELD
2252 lm
4000K **11.0030.2412.21**

25W
120°
control gear ELDD
2252 lm
4000K **11.0030.2413.21**

25W
120°
control gear EE
2252 lm
4000K **11.0030.2414.21**



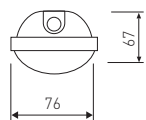
50W L= 1200

50W
120°
control gear EL
4956 lm
4000K **11.0030.2401.21**

50W
120°
control gear ELD
4956 lm
4000K **11.0030.2402.21**

50W
120°
control gear ELDD
4956 lm
4000K **11.0030.2403.21**

50W
120°
control gear EE
4956 lm
4000K **11.0030.2404.21**



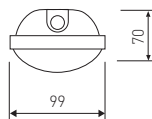
30W L= 1500

30W
120°
control gear EL
2875 lm
4000K **11.0030.3401.21**

30W
120°
control gear ELD
2875 lm
4000K **11.0030.3412.21**

30W
120°
control gear ELDD
2875 lm
4000K **11.0030.3413.21**

30W
120°
control gear EE
2875 lm
4000K **11.0030.3414.21**



60W L= 1500

60W
120°
control gear EL
6023 lm
4000K **11.0030.3401.21**

60W
120°
control gear ELD
6023 lm
4000K **11.0030.3402.21**

60W
120°
control gear ELDD
6023 lm
4000K **11.0030.3403.21**

60W
120°
control gear EE
6023 lm
4000K **11.0030.3404.21**

Recessed or surface mounted industrial luminaires especially designed for lighting factories, petrol stations, sportive pavilions and for all of those spaces that requires a high degree protection luminaire with long life.

Features

Body built in stainless steel white coated. Luminaire have a high degree protection, IP65/IK10. Frontal diffuser made of matt glass or micro-prismatic diffuser. Gear built in the luminaire.



Power

LED de 62W, 116W, 184W

Beam

90°

Colour temperature

5000K cool white - CRI ≥ 80

Nominal lumen output

62W - 9240 lm, 116W - 16400 lm, 184W - 21570 lm

Control gear

Electronic (EL)

IP

IP65 - IK10

Finishes

White

Supply voltage

220...230V, 50/60Hz

Installation

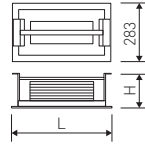
Recessed or surface

Features



Recessed

LED and control gear included



65W L=388 H=152,5
130W L=388 H=152,5
198W L=438 H=182,5

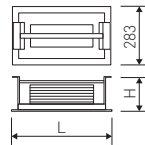
62W	116W
90°	90°
9240 lm	16400 lm
5000K AG0D30L70RCWSY	5000K AG0D30LR116CWSY

184W
90°
21570 lm
5000K **AG0D30LR184NCWSY**



Surface

LED and control gear included



65W L=388 H=152,5
130W L=388 H=152,5
198W L=438 H=182,5

62W	116W
90°	90°
9240 lm	16400 lm
5000K AG0D30L70CWSY	5000K AG0D30L116CWSY

184W
90°
21570 lm
5000K **AG0D30L184NCWSY**

Health & Care

The Health & Care industry is a very wide concept that encompasses all the sectors dedicated to health and personal well-being: from hospitals, medical centres, alternative medicine centres, retirement homes, dental clinics... to wellness centres: spas, gyms, beauty centres, massage parlours, hairdressers... and other more industrial sectors such as the pharmaceutical industry, food industry, chemical industry and laboratories...

Psychological aspects are fundamental in spaces dedicated to Health & Care. The lighting plays a key role in transmitting a pleasant and comfortable sensation, a sensation of well-being.

In many areas, the primary function of light is to allow work such as examinations, surgical operations, treatments, manipulations etc. to be carried out. Therefore, the lighting will have maximum functionality.

Light is essential for facilitating the flow of people and complementing the most functional lighting. On top of this, the lighting can also offer an efficient system for signalling visual information.

The light must support the different tasks that are carried out in a hospital and treat each area depending on its needs, considering that some areas must comply with very rigorous standards regarding the protection of luminaires, complying with criteria of unvarying brightness, ensuring good levels of lighting, facilitating the flow between different areas...

Light also has psychological effects on people, therefore the lighting must create a sensation of well-being and comfort for the patients, visitors and personnel, designing a flexible lighting, affected by the area and time of day.





HEALTH & CARE SPACES





HOSPITALS
OPERATING ROOMS
CLINICS, DISPENSARIES, AMBULATORIE
LABORATORIES
PHARMACEUTICAL INDUSTRY
ELECTRONIC INDUSTRY
FOOD INDUSTRY
CHEMICAL INDUSTRY



APPLICATIONS

	AGAT CLEAN CLASS	AGAT CLEAN NO FRAME LED	AGAT CLEAN NO FRAME	AGAT CLEAN NO FRAME CLIP IN	AGAT CLEAN LED	AGAT CLEAN T5	AGAT CLEAN T5 CLIP IN	AGAT CLEAN INOX	AGAT CLEAN T5 REG	AGAT T5 NIGHT	AGAT CLEAN TC-L	AGAT CLEAN POS	AGAT CLEAN EX	LIMPIO CLEAN
Operating rooms			•	•		•	•	•	•		•			
Rooms in operating theaters area			•	•		•	•	•	•		•	•		•
Treatment rooms (hospital wards)			•	•		•	•		•		•	•		
Wards		•	•		•	•				•	•	•		•
Bathrooms		•			•	•								
Communication routes and staff rooms		•	•	•	•	•	•			•	•	•		•
Sterilization room		•	•	•	•	•	•	•			•	•	•	•
Psychiatric hospitals		•			•	•	•			•	•	•		•
Laparoscopy			•	•		•	•		•		•	•		
Laser treatment			•	•		•	•		•		•	•		
Nursing homes		•	•	•	•	•	•			•	•	•		•
Clinics, dispensaries, ambulatories		•	•	•	•	•	•				•	•		•
Pharmaceutical industry		•	•	•	•	•	•	•			•	•	•	•
Electronic industry		•	•	•	•	•	•				•	•	•	•
Food industry		•	•	•	•	•	•	•			•	•	•	•
Chemical industry		•	•	•	•	•	•	•			•	•	•	•
Laboratories		•	•	•	•	•	•	•		•	•	•	•	
Public area										•	•	•	•	
Penitentiary premises											•	•	•	



OUT.



SPOTLIGHTS p. 240

POLES p. 258

BOLLARDS p. 270

RECESSED p. 278

SURFACE p. 290

1

SPOTLIGHTS



Ledmotiv
p. 242



Canal S
p. 246



Beam
p. 252



Single
p. 254



Fargo
p. 256

Lightmotiv is a complete range of spotlights for exterior use. One of the qualities of Lightmotiv is its versatility provided by a wide variety of reflectors, permitting the range to be used in many different exterior situations. An additional feature is the tilting for optic group units.

Features

Housing made of specially-treated cast aluminium to withstand tough weather conditions. High-purity aluminium reflectors. Silicon seals, stainless steel screws and decompression valve ensuring protection to IP 65 standard.

Tempered protective glass.

There are six different optics for use in different situations: lighting gardens, pedestrian zones, residential areas, public areas, façades and vertical planes, signs and hoardings, patios, terraces.....



Power

LED 31,5W, 51W

Beam

12°, 24°, 36° / -15°, 15°, 40° asimetric

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Flujo nominal

31,5W - 4600lm, 51W - 6100lm

Control gear

Electronic (EL)

Electronic Dimmer Dali (ELDD)

IP - IK

IP65 - IK08

Finishes

Grey [21]

Suply voltage

220...240V, 50/60Hz

Installation

Floor

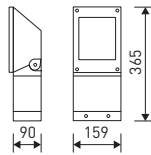
Features



LED

12° 24° 36°

LED and control gear included



31,5W 12° Control gear EL 4600 lm 3000K 11.1673.1311.21 4000K 11.1673.1411.21	31,5W 12° Control gear ELDD 4600 lm 3000K 11.1673.1313.21 4000K 11.1673.1413.21
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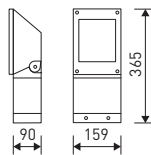
31,5W 24° Control gear EL 4600 lm 3000K 11.1673.1321.21 4000K 11.1673.1421.21	31,5W 24° Control gear ELDD 4600 lm 3000K 11.1673.1323.21 4000K 11.1673.1423.21
--	--

31,5W 36° Control gear EL 4600 lm 3000K 11.1673.1331.21 4000K 11.1673.1431.21	31,5W 36° Control gear ELDD 4600 lm 3000K 11.1673.1333.21 4000K 11.1673.1433.21
--	--

LED

-15° +15° 40°

LED and control gear included

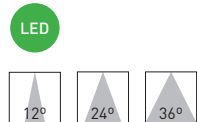


31,5W -15° asimetric Control gear EL 4600 lm 3000K 11.1673.1351.21 4000K 11.1673.1451.21	31,5W -15° asimetric Control gear ELDD 4600 lm 3000K 11.1673.1353.21 4000K 11.1673.1453.21
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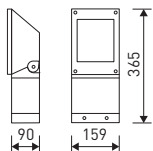
31,5W 15° asimetric Control gear EL 4600 lm 3000K 11.1673.1361.21 4000K 11.1673.1461.21	31,5W 15° asimetric Control gear ELDD 4600 lm 3000K 11.1673.1363.21 4000K 11.1673.1463.21
--	--

31,5W 40° asimetric Control gear EL 4600 lm 3000K 11.1673.1371.21 4000K 11.1673.1471.21	31,5W 40° asimetric Control gear ELDD 4600 lm 3000K 11.1673.1373.21 4000K 11.1673.1473.21
--	--

Features



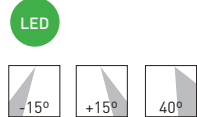
LED and control gear included



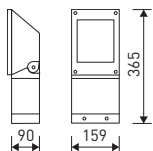
51W 12° Control gear EL 6100 lm 3000K 11.1673.2311.21 4000K 11.1673.2411.21	51W 12° Control gear ELDD 6100 lm 3000K 11.1673.2313.21 4000K 11.1673.2413.21
--	--

51W 24° Control gear EL 6100 lm 3000K 11.1673.2321.21 4000K 11.1673.2421.21	51W 24° Control gear ELDD 6100 lm 3000K 11.1673.2323.21 4000K 11.1673.2423.21
--	--

51W 36° Control gear EL 6100 lm 3000K 11.1673.2331.21 4000K 11.1673.2431.21	51W 36° Control gear ELDD 6100 lm 3000K 11.1673.2333.21 4000K 11.1673.2433.21
--	--



LED and control gear included



51W -15° asimetric Control gear EL 6100 lm 3000K 11.1673.2351.21 4000K 11.1673.2451.21	51W -15° asimetric Control gear ELDD 6100 lm 3000K 11.1673.2353.21 4000K 11.1673.2453.21
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51W 15° asimetric Control gear EL 6100 lm 3000K 11.1673.2361.21 4000K 11.1673.2461.21	51W 15° asimetric Control gear ELDD 6100 lm 3000K 11.1673.2363.21 4000K 11.1673.2463.21
--	--

51W 40° asimetric Control gear EL 6100 lm 3000K 11.1673.2371.21 4000K 11.1673.2471.21	51W 40° asimetric Control gear ELDD 6100 lm 3000K 11.1673.2373.21 4000K 11.1673.2473.21
--	--



The perfect blend of technology and design, with sophistication and simplicity. Efficiency, long lifespan, stable light flow and immediate regulation response. Specifically created for high voltage and high efficiency applications.



Made in extruded aluminium protective clear glass.
Stainless steel screens. Die cast end caps.

Applications

Canal S offers a infinity of models that give architects and lighting designer's unlimited inspiration and freedom when creating lighting scene in a wide range of situations.

- Wall-washer: functions as a projector, from inside or outside the building.

- Spot projector due to its power, with medium beam.

The Canal S luminaire projects light up to 45 meters.

This allows illumination and highlighting architectural features of great height such as columns, ribs and projections, giving a new illuminations dimension, impossible before.

- Luminescent buildings. It can be used between the facade and the second skin of the building; this creates an enormous edifice of light, with beams flowing out of the building, generating luminosity and life.



Power

LED 10,3W, 20,7W, 31,5W, 41,4W, 39,6W, 59,4W, 78,3W

Beam

LED 25° (Other optics on request)

Colour temperature

6500K cool white - CRI ≥ 80 (Other colour temperatures on request)

Nominal flux

10,3W - 713lm, 20,7W - 1427lm, 31,5W - 2140lm
41,4W - 2854lm, 39,6W - 2854lm, 59,4W - 4282lm, 78,3W - 5710lm

Nominal lumen output

Electronic (EL) (Other outputs on request)

IP

IP65 - IK08

Finishes

Grey

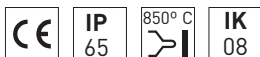
Supply voltage

220...230V, 50/60Hz

Installation

Floor, wall

Features



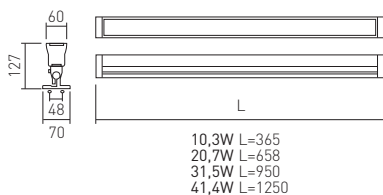
Versions:

- LED colours: Warm white 3000°K, Neutral white 4000°K, RGB, on request
- Beam type: Narrow 9°, Wide 45°, Elliptical 9°x45°, on request
- Regulation: DALI, DMX, PWM, on request

LED

Zenithal bracket included
(2 units)

LED and control gear included



10,3W
25°
365mm
713lm
6500K **LD139503604000**

20,7W
25°
1427lm
6500K **LD139506504000**

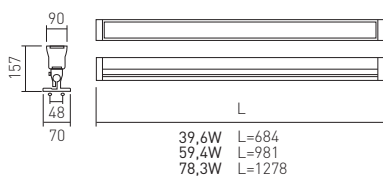
31,5W
25°
2140 lm
6500K **LD139509504000**

41,4W
25°
2854 lm
6500K **LD139512504000**

LED

Zenithal bracket included
(2 units)

LED and control gear included

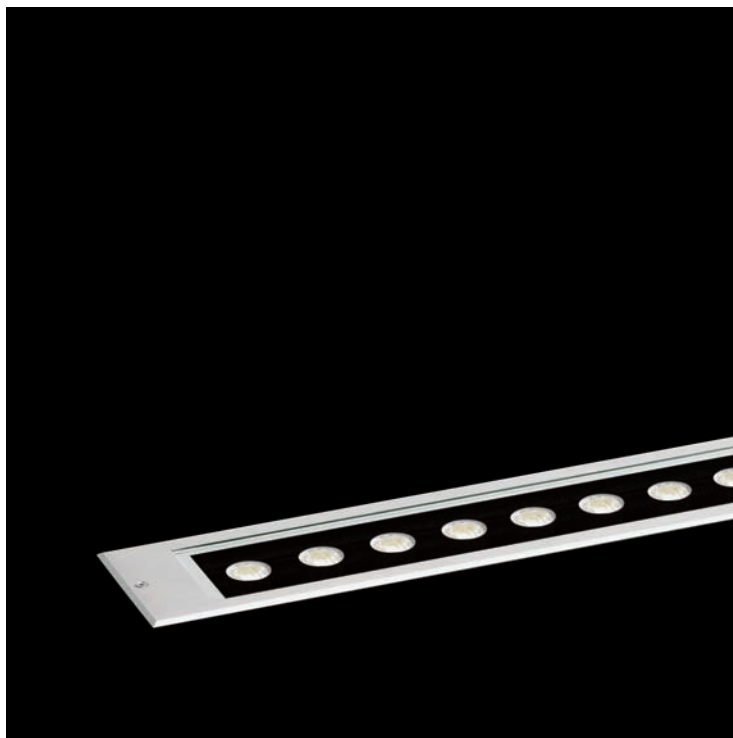


39,6W
25°
2854lm
6500K **LD101506804000**

59,4W
25°
4282 lm
6500K **LD101509804000**

78,3W
25°
5710 lm
6500K **LD101512704000**

The Canal range of LED linear fixtures can be recessed into any surface indoors or outdoors, also into paving. Canal is an excellent solution to provide nearby surfaces with a wash of light, in colour if required.



Grand Hyatt Cairo, Egypt

Power

LED 9W, 18W, 27W

Beam

LED 8°, 60°, 15° x 90°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

LED 9W - 500 lm, 18W - 1000 lm, 27W - 1500 lm

Control gear

Electronic (EL)

IP

IP67 - IK08

Finishes

Inox

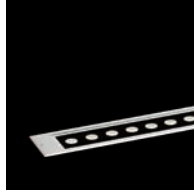
Supply voltage

220... 240V, 50/60Hz

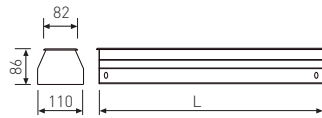
Installation

Recessed

Features



LED and control gear included



9W L= 402
 18W L= 699
 27W L= 996

9W	9W	9W
8°	60°	15° x 90°
500 lm	500 lm	500 lm
3000K 11.1693.1831.20	3000K 11.1693.1832.20	3000K 11.1693.1833.20
4000K 11.1693.1841.20	4000K 11.1693.1842.20	4000K 11.1693.1843.20

18W	18W	18W
8°	60°	15° x 90°
1000 lm	1000 lm	1000 lm
3000K 11.1693.2831.20	3000K 11.1693.2832.20	3000K 11.1693.2833.20
4000K 11.1693.2841.20	4000K 11.1693.2842.20	4000K 11.1693.2843.20

27W	27W	27W
8°	60°	15° x 90°
1500 lm	1500 lm	1500 lm
3000K 11.1693.3831.20	3000K 11.1693.3832.20	3000K 11.1693.3833.20
4000K 11.1693.3841.20	4000K 11.1693.3842.20	4000K 11.1693.3843.20

LED projectors designed to create outdoor light environments with a minimum energy consumption. Ideal solutions to lit up gardens, patios, facades...

Features:

Body built in cast aluminium, painted in anthracite-grey for outdoor environments. It incorporates a 4mm tempered glass, and it is supplied with a 1.5mts connection cable.

It can be installed attached to horizontal or vertical surfaces or directly to the ground on soft soils by using a stake sold as accessory.

Available with 20 and 40-degree lenses, in 3000K and 4000K.



Residential, Mexico

Power

LED 6W, 12W, 18W

Beam

LED 20°, 45°

Colour temperature

3000K warm white - CRI \geq 80
4000K neutral white - CRI \geq 80

Nominal lumen output

6W - 472lm / 389lm
12W - 1014lm / 846lm
18W - 1960lm / 1628lm

Control gear

Electronic (EL)

IP - IK

IP68, IK08

Finishes

Anthracite [22]

Supply voltage

220... 240V, 50/60Hz

Installation

Attached to horizontal or vertical

Accessories

Spike

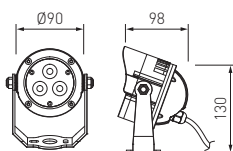
Features



LED



LED and control gear included



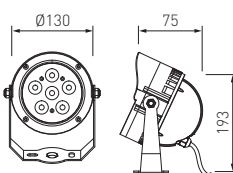
6W
20°
472 lm
3000K **11.1606.1831.22**
4000K **11.1606.1841.22**

6W
45°
389 lm
3000K **11.1606.1832.22**
4000K **11.1606.1842.22**

LED



LED and control gear included



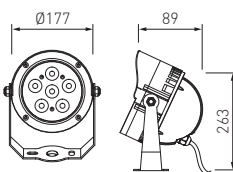
12W
20°
1014 lm
3000K **11.1606.2831.22**
4000K **11.1606.2841.22**

12W
45°
846 lm
3000K **11.1606.2832.22**
4000K **11.1606.2842.22**

LED



LED and control gear included



18W
20°
1960 lm
3000K **11.1606.3831.22**
4000K **11.1606.3841.22**

18W
45°
1628 lm
3000K **11.1606.3832.22**
4000K **11.1606.3842.22**

Accessories

Spike



Base for stake in polyamide
L= 210 mm
For 6W
11.1606.0001.22



Base for stake in polyamide
L= 308 mm
For 12W/18W
11.1606.0002.22



Single is a small LED projector. Suitable for localised lighting, easy to integrate in the greenery of a garden.

Features

Body built in cast aluminium, painted in anthracite grey for outdoor environments. It incorporates a 3mm tempered glass, stainless steel top cover, and it is supplied with a 1.5mts connection cable.

It can be installed directly onto the ground on soft soils by using a stake.

Spike included.



Power

GU10 Max. 35W

IP

IP68 - IK04

Finishes

Anthracite (22)

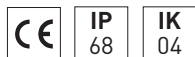
Supply voltage

220... 240V, 50/60Hz

Installation

Floor

Features

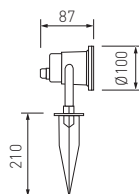


Requires control gear

LED GU10

Spike included

For LED lamp

■
Max. 35W
11.0779.0001.22

External LED spotlights suitable for hard to reach areas, facades, fences, roofs...

The construction materials are resistant to weathering and vandalism.

Features

Body built in aluminium. Protective glass.

Suitable to be surface mounted in walls, ceilings.



WHITOUT sensor



WHIT sensor



Power

LED 9,2W, 25W, 50W, 90W, 180W

Beam

100°, 110°

Colour temperature

4000K warm white - CRI \geq 80

Nominal lumen output

9,2W - 1269 lm, 25W - 3292 lm, 45W - 6344lm, 90W - 12186 lm, 180W - 25092 lm

Control gear

Electronic (EL)

IP - IK

IP65 - IK08

Finishes

Black (04 - 204)

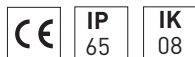
Supply voltage

100...240V, 50/60 HZ

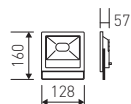
Installation

Walls, ceilings

Features



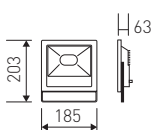
LED



9,2W
100°
1269 lm
4000K **11.5100.1401.04**

9,2W
100°
1269 lm
SENSOR
4000K **11.5100.1409.04**

LED and control gear included

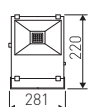
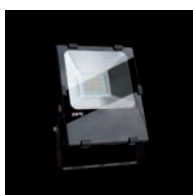
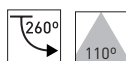


25W
100°
3292 lm
4000K **11.5100.3401.04**

25W
100°
3292 lm
SENSOR
4000K **11.5100.3409.04**

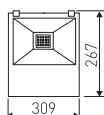
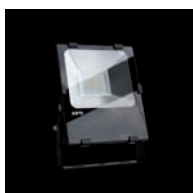
LED and control gear included

LED



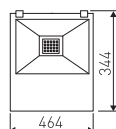
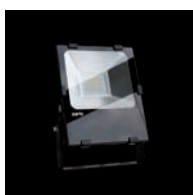
45W
110°
6344 lm
4000K **5100/L284/204**

LED and control gear included



90W
110°
12186 lm
4000K **5100/L384/204**

LED and control gear included



180W
110°
25092 lm
4000K **5100/L484/204**

LED and control gear included

OUT.



SPOTLIGHTS p. 240

POLES p. 258

BOLLARDS p. 270

RECESSED p. 278

SURFACE p. 290

2 POLES



Wind
p. 260

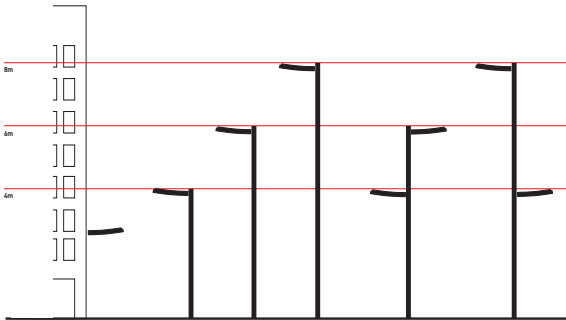


Riddle
p. 264



Filar
p. 268

Wind belongs to a new generation of urban lighting luminaires, designed with high lighting efficiency based on the use of LED's and with an optical group which ensures the efficiency of the fixture and, at the same time, high visual comfort. Wind arises from the collaboration between Uli Marchsteiner-Joan Casañes and Troll.



Power

LED 40W, 49,5W, 73W, 100W

Beam

130° x 45°

Colour temperature

4000K neutral white - CRI ≥ 70

Nominal lumen output

40W - 3500 lm, 49,5W - 4700 lm, 73W - 6550lm, 100W - 8365lm

Control gear

Electronic (EL)

IP - IK

IP66, IK07

Finishes

Grey [221]

Supply voltage

220... 230V, 50/60Hz

Installation

Floor

Accessories

End pole, wall-mounted version

Energy efficiency

The energy saving of Wind is more than 30% compared with conventional public lighting. A reduction in energy consumption means fewer emissions of greenhouse gases. Moreover, Wind is doubly efficient thanks to the custom designed control gear used to ensure fulfilment of high energy efficiency (90-95% according to load) and its adjustment with which makes it possible to vary levels of intensity.

Energy efficiency

Wind offers good photometric results, with excellent visual comfort and a high level of visual uniformity.

Visual comfort. An optical system has been designed in order for Wind to obtain excellent results and high visual comfort. Wind includes 50 LEDs and each LED includes an asymmetric reflector to maximise light flow. With this system the optical group can be configurable, with the possibility of directing the light to achieve a symmetrical or asymmetrical distribution and offer several options according to the application.

Uniformity. Wind also includes a prismatic methacrylate refractor at the bottom to achieve perfect evenness of lighting.



Design

Wind's design makes it fit in perfectly with the surroundings, ensuring the total absence of emission of flow to the upper hemisphere (FUH) and helping reduce maintenance costs.

High level of design. Wind belongs to a new generation of luminaires for today's cities. With a stylized, dynamic design and, above all, one which fits in with the urban environment. **Reduced light pollution.** Wind is designed to completely eliminate the emission of light flow to the upper hemisphere, thereby preventing light pollution.

Reduced maintenance costs. The use of LED technology helps reduce the maintenance costs of public lighting thanks to the long life of the LEDs.

Versatility. Wind is an urban lighting luminaire that offers several fitting options, on columns of 4, 6 or 8 meters in height, in groups of one, two or three luminaires and a wall-mounted model.

Features

The luminaire is made in die-cast aluminium with a slight curve of the 3,000mm radius which gives it an appearance of lightness and prevents upward emission of light flow. It contains high performance LEDs distributed in 10 modules of 5 LEDs each and with an optical system designed on the basis of asymmetric reflectors for each LED. The optical system makes it configurable, offering the possibility of achieving a symmetrical or asymmetrical distribution. It also has a prismatic methacrylate refractor at the bottom to achieve perfect uniformity of lighting.

Double silicone joint guaranteeing a sealed to high standards (IP66).

The electronic control gear is built in and supplies constant current, without fluctuations. The control gear can be adjustable with a two-level system, prepared for installations with flow regulation at the head or with control signal, to adapt to the real, dynamic needs of the project.

Can be mounted individually or in groups of two or three luminaires depending on the height of the column. Enquire about columns, available heights: 4 meters, 6 meters, 8 meters. Mount for attaching the luminaire to the column not included (see accessories). There is also a wall mounted version that gets rid of the irritating effect of "light intrusion" in the housing.

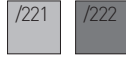
Control gear of standard versions can be adjustable by tension variations at the head, from 230V to 180V. Available versions with regulation by control line to 230V, DALI (on demand).



Features



Luminaires finishes

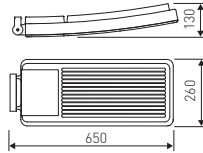


Finishes poles



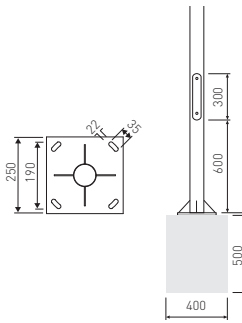
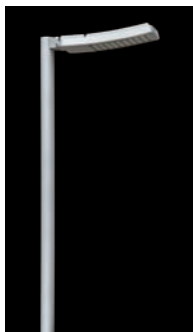
To complete the product reference, add finish

Luminaires



■	■ ■	■ ■	■ ■
40W 130°x45° 3500lm 4000K 7125N/50	49,5W 130°x45° 4700 lm 4000K 7150N/50	73W 130°x45° 6550 lm 4000K 7150N/70	100W 130°x45° 8365 lm 4000K 7150N/100

Poles



■ ■	■
h=4m Ø 90 17/7154	h=4m Ø 90 17/7154

■ ■	■
h=6m Ø 102 17/7156	h=6m Ø 102 17/7156

To install the luminaire it is necessary to incorporate End / Medium pole accessories ref. 15/7151

■ ■	■
h=8m Ø 102 17/7158	h=8m Ø 102 17/7158

Accessories finishes

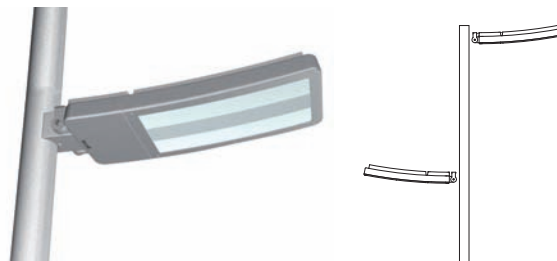
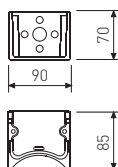


To complete the product reference, add finish



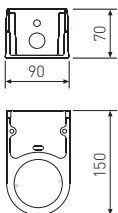
End / Medium pole
(for pole 17/....)

15/7151



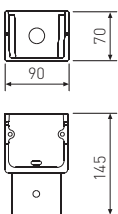
End pole (to replace
luminaires in poles of
Ø60 mm)

15/7150



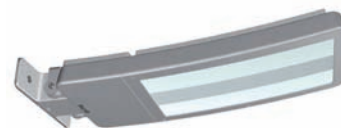
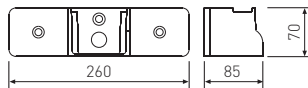
End pole (to replace
luminaires in poles)

15/7153



Wall-mounted version

15/7152



Like sunlight filtering through leaves that is the concept behind Riddle. These spherical fixtures create a light and shadow effect to light outdoor urban or private areas.

The spherical, perforated design sets it apart from other fixtures on the market. By day, its sculptured lines add to the surroundings while they shroud them in mystery at night.





Built from high quality cast aluminium, and then machined and anodised in silver grey.
Integrated electronic ballast for metal HIT 150W halide lamps.

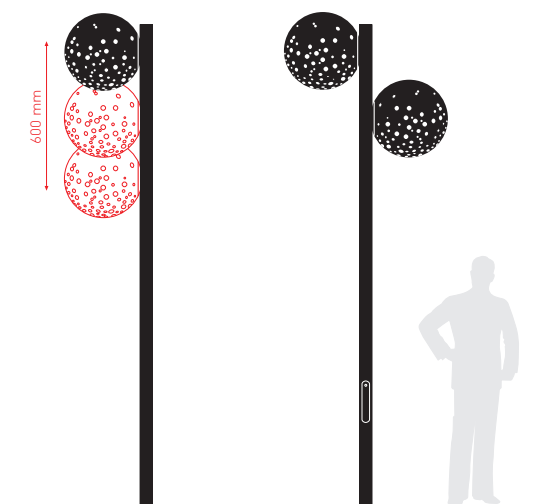
Columns

Also included when ordering refs. 6601/150 and 6602/300, forming a unit with the luminaires.

They are cylindrical and made of galvanized steel, with their own inspection hatch.

The upper part has channels to alter the height of the fixture mount by up to 600 mm.

This means that the installation can have several light points in an intentionally irregular pattern, which emphasises the overall sculptural concept.



Power

HIT 150W, 2 x 150W

Beam

120°

Control gear

Electronic (EL)

IP - IK

IP65 - IK10

Finishes

Grey [21]

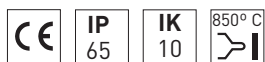
Supply voltage

220... 240V, 50/60Hz

Installation

Floor

Features

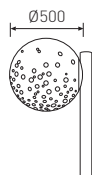
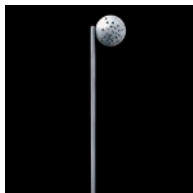


Luminaire made of aluminium.

Cylindrical columns made of galvanized steel and painted. Columns included. Height 3.5m.



G12 **HIT**



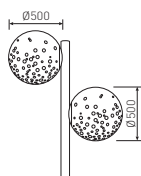
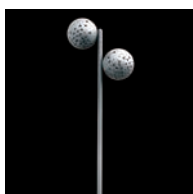
150W

120°

Weight of fixture 15,6 kg. (without column)

6601/150/21

Control gear included



2x150W

120°

Weight of 2 luminaires 31,3 kg. (without column)

6602/300/21

Control gear included



Architectural luminaire designed to light outdoor spaces such as public squares, parks, garden areas, corporative buildings, and open areas in Hotels, theatres, as well as urban leisure spaces.

Features

Body built in aluminium with diffuser tube in acrylic satin material. Luminaire sets a high luminous efficacy LED panel which provide 3000lm (4000K) or 5000lm (5000lm).



Power

LED 26W, 39W

Beam

360°

Colour temperature

4000K neutral white - CRI \geq 85

5000K cold white - CRI \geq 75

Nominal lumen output

25W - 3000 lm, 37W - 5000 lm

Control gear

Electronic (EL)

IP

IP65

Finishes

Black

Supply voltage

220... 230V, 50/60Hz

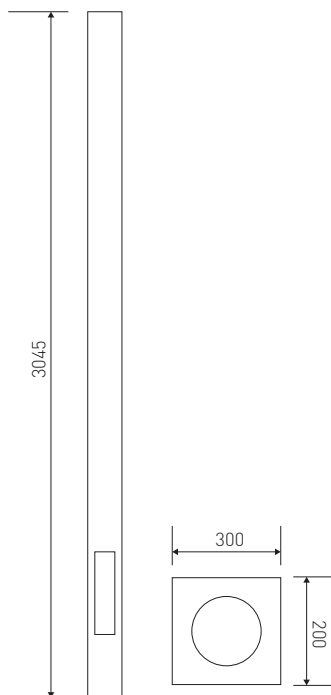
Installation

Floor

Features



LED and control gear included



■
25W
360°
3000 lm
4000K **AGOL1SL30APCY**

37W
360°
5000 lm
5000K **AGOL1SL50WPCY**

OUT.



SPOTLIGHTS p. 240

POLES p. 258

BOLLARDS p. 270

RECESSED p. 278

SURFACE p. 290

3

BOLLARDS



Riddle
p. 272



Plolar
p. 274



Mark
p. 276

500 mm. diameter

Built from high quality cast aluminium, and then machined and anodised in silver grey.
Integrated electronic ballast for metal HIT 70W halide lamps.

250 mm. diameter

Injection moulding polycarbonate, then machined and anodised in silver grey.

**Power**

LED 8W
HIT 70W
HIT-TC 20W
QT 14 60W

Colour temperature

3000K warm white - CRI \geq 80

Control gear

Electronic (EL)

IP - IK

IP65, IK08, IK10

Finishes

Grey [21]

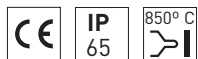
Supply voltage

220... 240V, 50/60Hz

Installation

As floor-mounted signalling fixture

Features



<p>LED</p> <p>IK 08</p> <p>LED and Control gear included</p>			<p>■</p> <p>8W 3000K 11.6603.0001.21</p>
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<p>G12 HIT</p> <p>IK 10</p> <p>Manufactured in injected aluminium</p> <p>Control gear included</p>			<p>■</p> <p>70W 6600/70/21</p>
---	--	--	---

<p>PG J5 HIT-TC</p> <p>IK 08</p> <p>Lamp and control gear included</p>			<p>■</p> <p>20W 6603/20/21</p>
---	--	--	---

<p>G9 QT 14 (230V)</p> <p>IK 08</p> <p>Manufactured in polycarbonate</p> <p>Lamp included</p>			<p>■</p> <p>60W 6603/60/21</p>
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Spain

Polar is a LED bollard designed for signalling outdoor pedestrian areas. A solution for horizontal lighting that distributes light generously and in a pleasant way, without emission in the upper hemisphere, thus avoiding light pollution.

Features

Columns built in extruded aluminium, painted for the outdoors, high-purity aluminium reflector, with frosted polycarbonate diffuser, LED and equipment incorporated.



Power

LED 9W

Beam

100°

Colour temperature

3000K warm white - CRI \geq 80
4000K neutral white - CRI \geq 80

Nominal lumen output

8W - 800 lm

Control gear

Electronic (EL)

IP - IK

IP65, IK08

Finishes

Anthracite (22)

Supply voltage

220... 240V, 50/60Hz

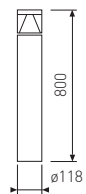
Installation

Floor

Features

IP
65IK
08

LED



■
8W
100°
800 lm
3000K **11.7600.0033.22**
4000K **11.7600.0043.22**

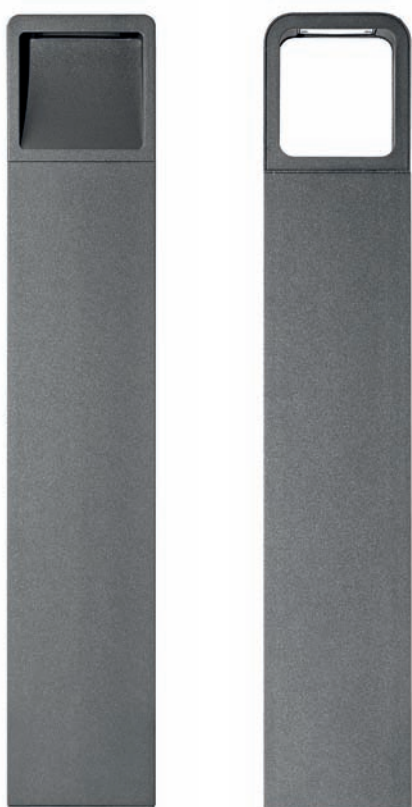
Lamp LED and
control gear included



LED solutions designed to signal gardens and pedestrian areas, with a design that embellishes and delimits the outdoor spaces.

Features

Columns built in extruded aluminium, painted for the outdoors, LED and system incorporated.



Power

LED 5,4W, 6,3W

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

5,4W - 265lm, 6,3W - 254lm

Control gear

Electronic (EL)

IP - IK

IP54, IK08

Finishes

Anthracite [22]

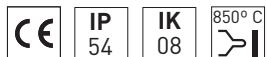
Supply voltage

220... 240V, 50/60Hz

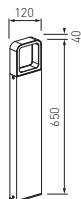
Installation

Floor

Features



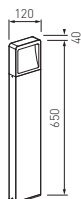
LED



5,4W
265 lm
3000K **11.7600.0032.22**
4000K **11.7600.0042.22**

Lamp LED and control gear included

LED



6,3W
254 lm
3000K **11.7600.0031.22**
4000K **11.7600.0041.22**

Lamp LED and control gear included



OUT.

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BOLLARDS p. 270

RECESSED p. 278

SURFACE p. 290

4

RECESSED



Mini-up
p. 280



Small-up
p. 282



Atlante
p. 284



e-Wall
p. 286



Num
p. 288

Mini-up is a full program of small recessed lights with LED in various colours, that provides low level perimeter illumination for safe orientation as step or exit signing, etc. Available in round and square shapes, Mini-Up is most suitable on walkways areas and has a variety of uses.

Features

Recessed luminaire with injected aluminium body, painted with protection for the outdoors. Stainless steel front in two versions, round and square. Tempered 5mm thick glass. It holds a weight of 780Kg. It is supplied with PVC niche. 20-degree opening angle. It is supplied with a 0.5mts connection cable.

IP68 version available, suitable for submersible installations.

Built-in system, except for submersible versions.



Iberostar hotel, Mexico

Power

LED 3W

Beam

20°

Colour temperature

3000K - cold white - CRI ≥ 80

4000K - neutral white - CRI ≥ 80

Nominal lumen output

2,6W - 139 / 174 lm, 3W - 120 / 139 lm

Control gear

Electrónico (EL)

IP - IK

IP67, IP68, IK06, IK09

Finishes

Inox [20]

Supply voltage

220... 240V, 50/60Hz

24VDC (versión sumergible)

Installation

Recessed

Features



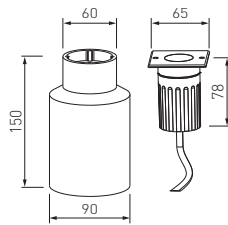
Housing included

LED

IP 67 IK 08

Resistance 780Kg

LED and control gear included



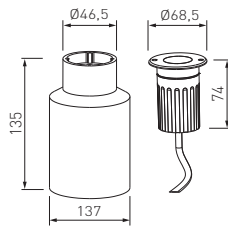
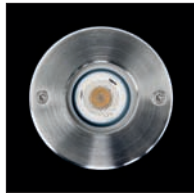
3W
20°
drill Ø 90
120 lm - 3000K **11.5200.0031.20**
139 lm - 4000K **11.5200.0041.20**

LED

IP 67 IK 08

Resistance 780Kg

LED and control gear included

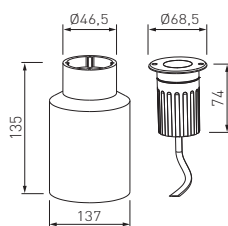


3W
20°
drill Ø 90
120 lm - 3000K **11.5200.0032.20**
139 lm - 4000K **11.5200.0042.20**

LED

IP 68 IK 06

LED and control gear included



2,6W
20°
drill Ø 136
139 lm - 3000K **11.5200.0033.20**
174 lm - 4000K **11.5200.0043.20**



Small-Up is a set of recessed LED with an outer ring of stainless steel designed for floorings. Can be installed both outdoors and indoors. Its function is to illuminate and signal passageways.

Features

Body made of die-cast aluminium with stainless steel front. 8mm tempered glass protection screen. The adjustable version holds loads up to 780Kg and up to 2.500Kg in case of the fixed version. Versions for grazing lighting in one, two or four openings, with capacity to hold up to 2.000Kg.

It is supplied with a 0.5mts connection cable. It is supplied with PVC niche. LED and equipment incorporated.

The adjustable version has an outdoor gobo for adjustment.



Iberostar Hotel, Mexico

Power

LED 6W

Beam

20° - 1 Beam - 2 Beams - 4 Beams

Colour temperature

3000K cold white - CRI \geq 80

4000K warm white - CRI \geq 80

Nominal lumen output

6W - 376 / 478 lm

Control gear

Electronic (EL)

IP - IK

IP67, IK09, IK10

Finishes

Inox [20]

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed floor

Features



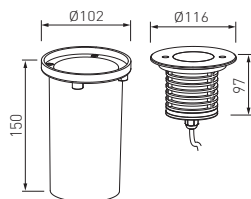
Housing included

LED

IK 09 

Fixed
Resistance 2.500Kg

LED and control gear included



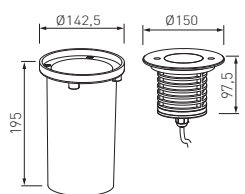
6W
20°
376 lm - 3000K **11.5202.0031.20**
478 lm - 4000K **11.5202.0041.20**

LED

IK 09 


Orientable 30°
Resistance 780Kg

LED and control gear included



6W
20°
376 lm - 3000K **11.5202.0032.20**
478 lm - 4000K **11.5202.0042.20**

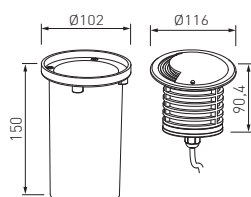
LED

IK 10 

20°


Resistance 2.000Kg

LED and control gear included



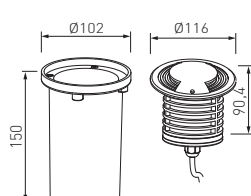
6W
1 beam
376 lm - 3000K **11.5180.0031.22**
478 lm - 4000K **11.5180.0041.22**

LED

IK 10 


Resistance 2.000Kg

LED and control gear included



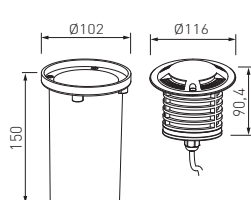
6W
2 beams
376 lm - 3000K **11.5180.0032.22**
478 lm - 4000K **11.5180.0042.22**

LED

IK 10 

Resistance 2.000Kg

LED and control gear included



6W
4 beams
376 lm - 3000K **11.5180.0033.22**
478 lm - 4000K **11.5180.0043.22**



Atlante is a range of recessed LED luminaries designed for medium sized indirect illumination of facades, trees or objects of small to medium sizes.

Features

Body made of die-cast aluminium with stainless steel front. 10mm tempered glass protection screen. It holds loads over 2900Kg. It is supplied with a 0.5mts connection cable. It is supplied with PVC niche. LED COB and equipment incorporated; with 38-degree lens reflector.



Iberostar Hotel, Mexico

Power

LED 13W, 16W, 25W

Beam

10°

T° Color

3000K cold white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Flujo nominal

13W - 1715 lm, 16W - 2194 lm, 25W - 3439 lm

Control gear

Electronic (EL)

IP - IK

IP67, IK10

Finishes

Inox [20]

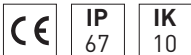
Supply voltage

220... 240V, 50/60Hz

Installation

Recessed floor

Features



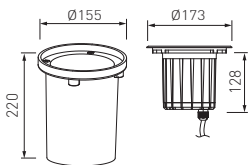
Housing included

LED

10°

Resistance 4.400Kg

Lamp LED and control gear included



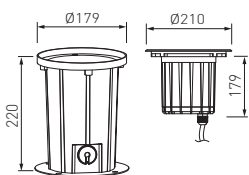
13W
10°
1715 lm
3000K **11.5203.0031.20**
4000K **11.5203.0041.20**

LED

10°

Resistance 2.900Kg

Lamp LED and control gear included



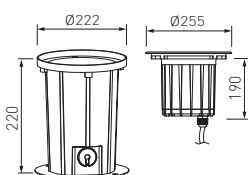
16W
10°
2194 lm
3000K **11.5203.0032.20**
4000K **11.5203.0042.20**

LED

10°

Resistance 5.000Kg

Lamp LED and control gear included



25W
10°
3439 lm
3000K **11.5203.0033.20**
4000K **11.5203.0043.20**



e-Wall is a range of recessed LED for walls to provide grazing lighting and beaconing both for outdoors and indoors. Available in different shapes, finishes and sizes.

Features

Outdoor recessed luminaire with stainless steel front and aluminium body. Opal polycarbonate diffuser. Available in versions with slats or diffuser. LEDs and equipment incorporated. It is supplied with a 0.5mts connection cable.



Power

LED 1W, 6,5W

Beam

80°, 120°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

1W - 31 lm / 34 lm, 6,5W - 66 lm / 80lm, 113 lm / 137 lm

Control gear

Electronic (EL)

IP - IK

IP65, IK09, IK10

Finishes

Inox [20]

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed

Features

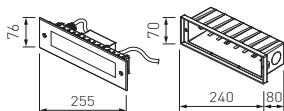


Polycarbonate protective glass

LED



Diffuser



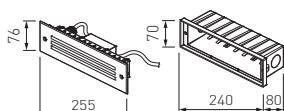
6,5W
120°
drill-hole 240 x 70
113 lm - 3000K **11.5000.0031.20**
137 lm - 4000K **11.5000.0041.20**

LED and control gear included

LED



Louvers



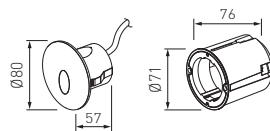
6,5W
120°
drill-hole 240 x 70
66 lm - 3000K **11.5000.0032.20**
80 lm - 4000K **11.5000.0042.20**

LED and control gear included

LED



Circle



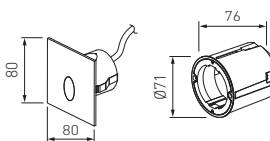
1W
80°
drill-hole Ø71
31 lm - 3000K **11.5000.0033.20**
34 lm - 4000K **11.5000.0043.20**

LED and control gear included

LED



Squared



1W
80°
drill-hole Ø71
31 lm - 3000K **11.5000.0034.20**
34 lm - 4000K **11.5000.0044.20**

LED and control gear included

Num is a reduced range of recessed downlights suitable for places demanding a high degree of water-tightness – such as bathrooms, damp installations or outdoor porches.

Features

Cast aluminium body and hoop with special treatment for outdoor use. Protective clear glass. Stainless steel set screws.



Power

LED 13,5W, 25,7W

Beam

30°, 60°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

13,5W - 1563 / 1528 lm, 25,7W - 2881 / 2819 lm

Control gear

Electronic (EL)

IP - IK

IP65 - IK06

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

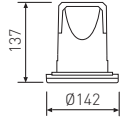
Recessed

Features



LED

LED and control gear included

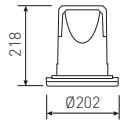


□
13,5W
30°
drill hole Ø 125
1563lm
3000K **11.0460.8300.33**
4000K **11.0460.8400.33**

□
13,5W
60°
drill hole Ø 125
1528lm
3000K **11.0460.8301.33**
4000K **11.0460.8401.33**

LED

LED and control gear included



□
25,7W
30°
drill hole Ø 182
2881 lm
3000K **11.0460.8310.33**
4000K **11.0460.8410.33**

□
25,7W
60°
drill hole Ø 182
2819 lm
3000K **11.0460.8311.33**
4000K **11.0460.8411.33**



OUT.

SPOTLIGHTS p. 240

POLES p. 258

BOLLARDS p. 270

RECESSED p. 278

SURFACE p. 290

5

SURFACE



Apliques
p. 292



Riddle S
p. 296



Kubik
p. 298



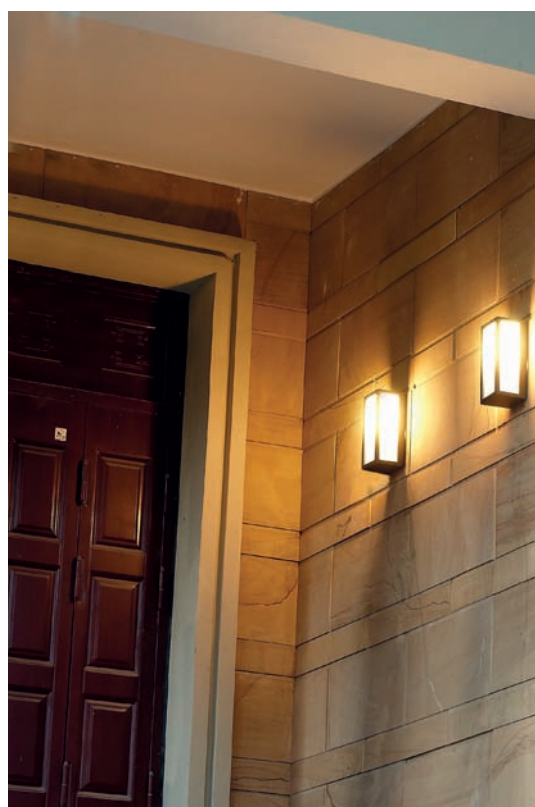
BerylKNLEDU&D
p. 300



Lico S
p. 302

A range of wall lamps for surface mounting designed for atmospheric lighting. High protection ratings for use outdoors or indoors.

This range includes several shapes, materials and light sources for mounting on wall, ceiling or simply mural.



Power

LED 6,3W, 9W, 16,2W

Beam

105°

Nominal lumen output

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

LED 6,3W - 300 lm, 9W - 450 lm, 16,2W - 860 lm

Control gear

Electronic (EL)

IP

IP54

Finishes

White (33)

Anthracite (22)

Supply voltage

220... 230V, 50/60Hz

Installation

wall, ceiling

Features



<p>LED</p> <p>Diffuser</p> <p>Lamp LED and control gear included</p>			<p>9W 450lm control gear EL 3000K 11.6105.0001.22</p>
<p>LED</p> <p>Grid</p> <p>Lamp LED and control gear included</p>			<p>9W 450lm control gear EL 3000K 11.6105.0002.22</p>
<p>LED</p> <p>Semicircle</p> <p>Lamp LED and control gear included</p>			<p>9W 450lm control gear EL 3000K 11.6105.0003.22</p>
<p>LED</p> <p>Diffuser</p> <p>Lamp LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K 11.6105.0011.22</p>
<p>LED</p> <p>Grid</p> <p>Lamp LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K 11.6105.0012.22</p>
<p>LED</p> <p>Semicircle</p> <p>Lamp LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K 11.6105.0013.22</p>

Features



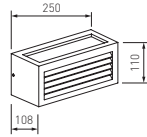
Finishes



LED

Louvers

Lamp LED and control gear included

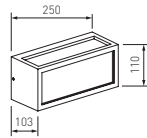


16,2W
105°
860 lm
control gear EL
4000 K **11.1611.0001**

LED

Diffuser

Lamp LED and control gear included



16,2W
105°
860 lm
control gear EL
4000 K **11.1611.0002**





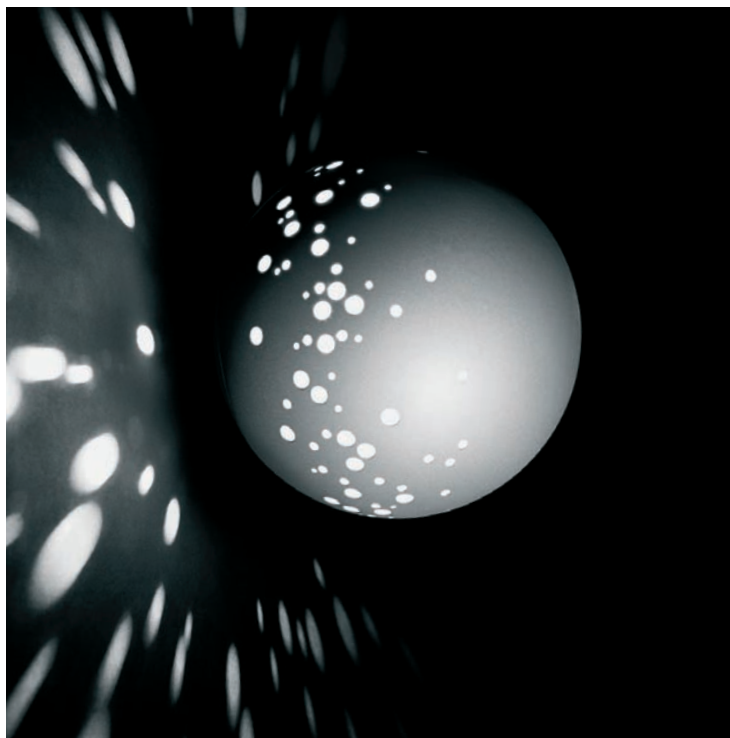
Injection moulding polycarbonate, machined and anodised in silver grey.

Two models:

- Fixed to ceilings/walls.
- Hanging from the ceiling.

Concept

The Riddle range has a very special design. Following a close observation of Nature, the idea of reproducing the light and shadow of sunlight filtering through leaves was created.



Power

LED 8W
HIT-TC 20W
QT-14 max.60W
QT-32 100W

Colour temperature

3000K warm white - CRI \geq 80

Control gear

Electronic (EL)

IP - IK

IP65 - IK08

Finishes

Grey [21]

Supply voltage

220... 240V, 50/60Hz

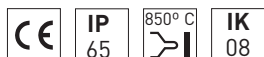
Installation

wall, ceiling, suspended

Accessori

Hanging

Features



Finishes

LED

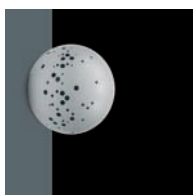


8W
3000K **11.6603.0001.21**

LED and control gear included



PG J5 **HIT-TC**



20W
3000K **6603/20/21**



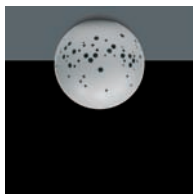
G9 **QT-14**

60W
6603/60/21

Lamp and control gear included



PG J5 **HIT-TC**



20W
3000K **6604/20/21**



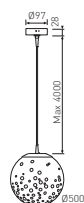
G9 **QT-14**

max. 60W
6604/60/21

Lamp and control gear included



G12 **HIT**



70W
66005/70/21



E 27 **QT-32**

100W
66005/100/21

Control gear included

Accessories

Hanging

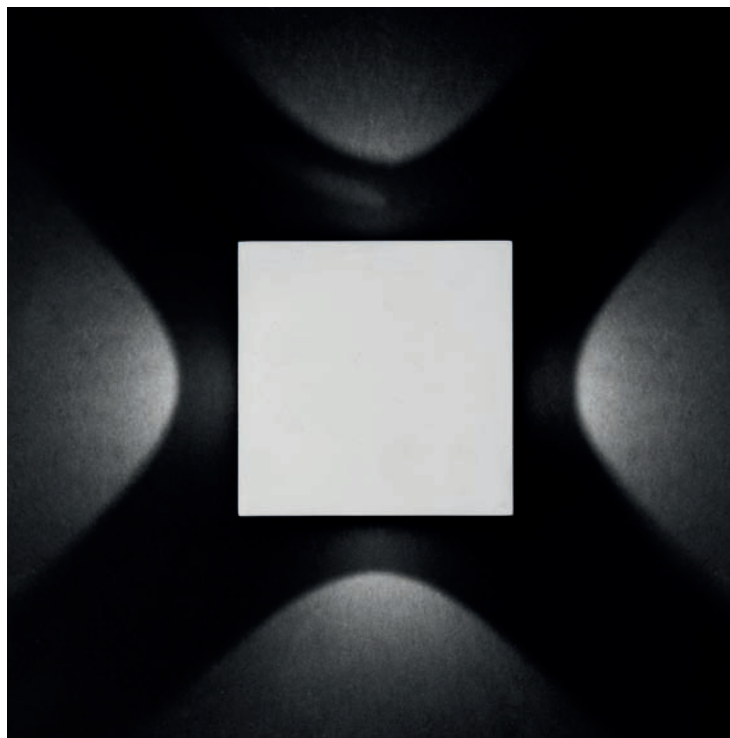


For ref: 6604/20, 6604/60
20/6604/21

Square-format luminaire with lenses, that allows creation of different light effects. Luminaires can be set up with one Beam, two beams, three beams, or four beams to create emission beams single, double, triple or fourfold over façades, walls or passing areas.

Features:

Body built in aluminium specially coated with bad environmental conditions resistant paint. Luminaire with high protection degree: IP65. Electronic gear built in the luminaire. Surface mounted installation.



Iberostar Hotel, Mexico

Power

LED 7,2W, 12,6W

Beam

105°, UP 60° + 20°

Nominal lumen output

7,2W - 273 / 524 lm, 12,6W - 963 lm

Colour temperature

4000K neutral white - CRI ≥ 80

Control gear

Electronic (EL)

IP

IP65

Finishes

White

Anthracite

Supply voltage

220...240V, 50/60Hz

Intallation

Surface

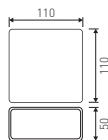
Features



Finishes



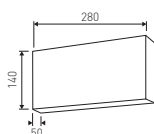
LED



7,2W
105°
273 lm
control gear EL
4000K **11.1611.0005**

LED and control gear included

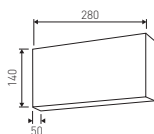
LED



7,2W
UP 60° + 20°
524 lm
control gear EL
4000K **11.1611.0003**

LED and control gear included

LED



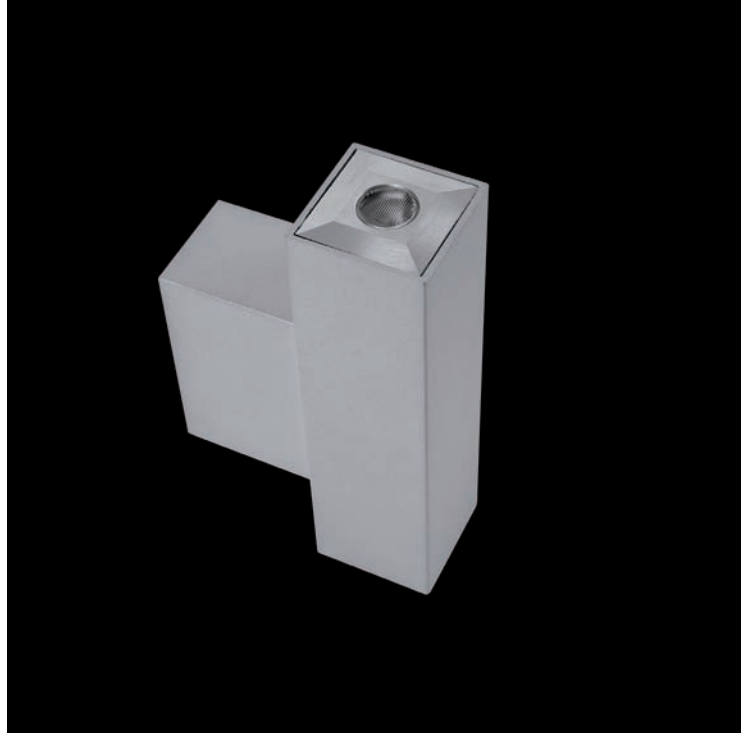
12,6W
UP&DOWN 60° + 20°
963 lm
control gear EL
4000K **11.1611.0004**

LED and control gear included

Luminaires designed for accent and decorative lighting in restaurants, coffee shops, hotels and passing areas. There are versions with higher protection to create effects on walls and porches. Surface mounted luminaire suitable to light whatever surface through light beams and lenses with effects mono-emission and biemission.

Features:

Body built in aluminium. High isolation degree: IP40/IP65. Available to ceiling and wall mounted to create up and down effect. Gera built in the luminaire. Surface wall and ceiling mounted installation.



Power

LED 5W

Beam

12° + 12°

Colour temperature

3000K warm white - CRI ≥ 80

6000K cold white - CRI ≥ 80

Nominal lumen output

5W - 344lm

Control gear

Electronic (EL)

IP - IK

P65, IK04

Finishes

Grey

White

Supply voltage

220...230V, 50/60Hz

Installation

Surface, ceiling, wall

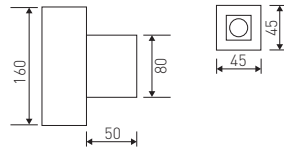
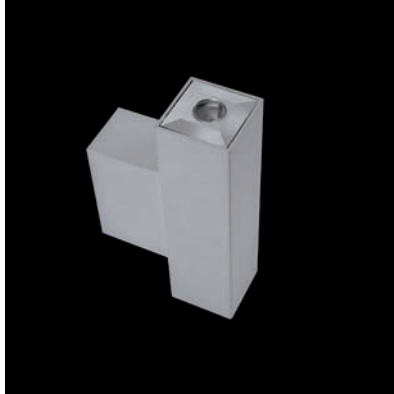
Features



LED

Wall Mounted

LED and control gear included



5W
12° + 12°
248 lm
3000K **AG0KPGD2-4LED-21**



5W
12° + 12°
248 lm
3000K **AG0KPGD2-4LED34C**

5W
12° + 12°
344 lm
6000K **AG0KPGD2-4LED21W**

5W
12° + 12°
344 lm
6000K **AG0KPGD2-4LED34W**

Lico S is a system of sealed fixtures for LEDs which can be set in continuous lines or as an independent module.

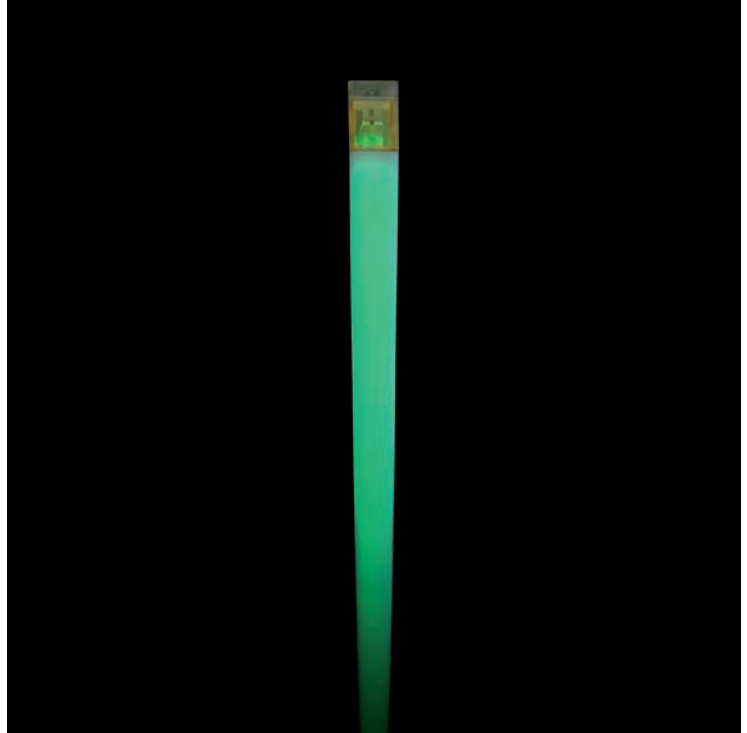
Lico S can be mounted on any surface, although there are also recessed models. Low power LEDs in white, single colour or RGB enable colour to be used as a live element of the décor. Changing cycles can be programmed.

Features

Made in extruded polycarbonate, satin finished, with the ends permanently sealed by end-caps. Can be clipped to a mount for fitting to any surface. Hermetic lighting unit, incorporating strips of LEDs.

LEDs included. Power rating shown for each module. Remote control gear. Fixtures require auxiliary equipment.

Supplied with 5 metres of 2 x 1.5 mm² silicone cable, for remote control installation.



Power

LED 8,6W, 14,4W, 20,2W, 23W, 38,4W, 54W

Beam

120°

Colour temperature

3000K warm white - CRI ≥ 85

6500K cold white - CRI ≥ 85

Nominal lumen output

8,6W - 103,9 lm, 14,4W - 172,8 lm, 20,2W - 241,9 lm

Control gear

Electronic (EL)

IP - IK

IP65, IK10

Supply voltage

220... 230V, 50/60Hz

Installation

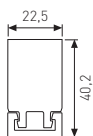
Surface

Features



Required control gear

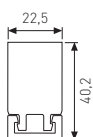
LED



1850S/1305... L= 1294
1850S/2145... L= 2134
1850S/2985... L= 2974

8,6W 120° 103,9 lm 6500K 1850S/130584	8,6W 120° 103,9 lm 3000K 1850S/130583	23W 120° 103,9 lm RGB 1850S/1305RGB
---	---	---

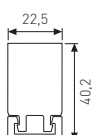
LED included



1850S/1305... L= 1294
1850S/2145... L= 2134
1850S/2985... L= 2974

14,4W 120° 172,8 lm 6500K 1850S/214584	14,4W 120° 172,8 lm 3000K 1850S/214583	38,4W 120° 172,8 lm RGB 1850S/2145RGB
--	--	---

LED included



1850S/1305... L= 1294
1850S/2145... L= 2134
1850S/2985... L= 2974

20,2W 120° 241,9 lm 6500K 1850S/298584	20,2W 120° 241,9 lm 3000K 1850S/298583	54W 120° 241,9 lm RGB 1850S/2985RGB
--	--	---

LED included

Hermetic connector

IP
68

With terminals up to 4mm² section.
To join 5mm² silicone cable to 13 mm².
L=120mm
48/04

IP
67

Sealed connecting box to incorporate
various types of units

49/00

Auxiliary equipment IP20

Power supply 120-240Vac/24V 35W	71/LD3524
Power supply 120-240Vac/24V 60W	71/LD6024
Power supply 120-240Vac/24V 96W	71/LD10024
Power supply 120-240Vac/24V 180W	71/LD15024

Auxiliary equipment IP67

Power supply 220-240Vac/24V 60W
Power supply 120-240Vac/24V 96W
Power supply 120-240Vac/24V 150W

Auxiliary equipment
for regulation

DALI dimmer 24V	71/LDRD2412504
Leds dimmer 12-24V on/off, push, DALI, 0-10V, 1-10V	73/DLP
Leds dimmer 12-24V on/off, push, DALI, 0-10V, 1-10V (slave)	73/DLS

more information see page 304-309

The wide variety of systems for controlling and adjusting light brings great advantages:

Flexibility, light can be adjusted to any place or to any activity.

Looks, lighting can be chosen to suit the surroundings.

Comfort, the light strength can be personalised.

Energy efficiency, great savings on energy costs.



ANALOGUE SYSTEMS AND SQUARE

The rotating manual control, reference 71R/11050/33, can control up to 50 adjustable electronic ballasts 1 – 10 V, and can act as a switch for up to 8 ballasts. The cut-off capacity on the system can be increased to the 50 units by fitting an auxiliary relay to switch the luminaires on/off.

71R/11050/33

The sliding manual control, reference 71L/11050/33, can control up to 50 adjustable electronic ballasts 1 – 10 V, and can act as a switch for up to 20 ballasts. The cut-off capacity on the system can be increased to the 50 units by fitting an auxiliary relay to switch the luminaires on/off.

71L/11050/33

The button panel connected to the control bus enables the following operations:

- Switching on to one of the four pre-set lighting levels 100%, 75%, 50%, 25%. (These levels are activated automatically by pressing buttons 3 and 4 during the installation stage).
- Raising and lowering the level as required.
- (Manual adjustment):
- Switching off.

76/7/33

The panel also has an infra-red receiver to control the system by remote control 73/IR/04.

Remote control 73/IR/04 contains the same functions as the button panel, as described below:

- Switching on to one of the four pre-set lighting levels 100%, 75%, 50%, 25%. (These levels are activated automatically by pressing buttons 3 and 4 during the installation stage).
- Raising and lowering the level as required.
- (Manual adjustment):
- Switching off.

73/IR/04

It is also an essential device if a more complex program is to be installed onto the system.

Sensor

Stand-alone 1-10v multisensory with a motion and lighting functions to perform an analogic control to adjust an installation light level to a constant value, to get the goal of optimized energy installation consumption.



73/503200

DALI multisensor with a motion and lighting sensor to perform a digital control to adjust an installation light level to a constant value, to get the goal of optimized energy installation consumption.



73/53

PIR presence /absence motion detector for non-dimmable high bay luminaires, integrated in a DALI system. Optional Clip-on masks to customize the detection area, and also IP65 & -30°C versions available.



73/317/33

The sensor can be fitted directly to the ceiling or to the luminaire, fixed to the tube, with bracket 71/20/T5 (for fluorescent tubes T5) or 71/20/T26 (for fluorescent tubes T26).

Lamp sensor T5

71/20/T5

Lamp sensor T26 support bracket

71/20/T26

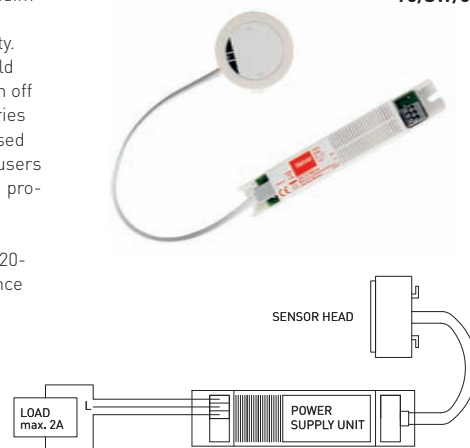
Remote control to program sensors: 73/SW/33, 73/AN/33 y 73/DA/33. Infrared communication.

73/IRPROG/04

Sensor

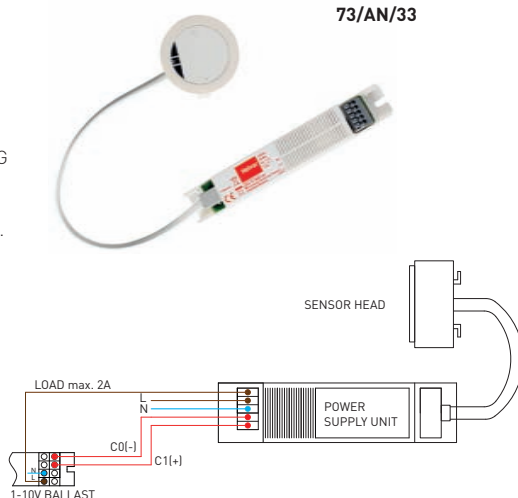
Recessed sensor designed to control nondimmable luminaries. Sensor will switch on/off the lights, as the room is occupied/empty. In addition the user can program a threshold illuminance level that the sensor will switch off the luminaries (remember that the luminaries are non-dimmable). The sensor could be used inside a luminary; plastic parts or glass diffusers cannot interfere with the signal. Users can program the sensor with the SA-IR-PROG remote control. Technical features: Power supply 220-240V AC 50Hz. Maximum load 2A. Illuminance range 200-900 lux.

73/SW/33



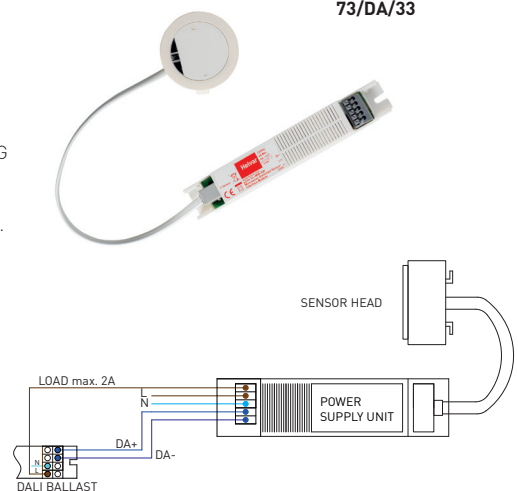
Recessed sensor designed to control 1-10V dimmable luminaries. Sensors have the following features: 1-10V dimming for sunlight and detection of presence. The sensor could be used inside a luminary; plastic parts or glass diffusers cannot interfere with the signal. Users can program the sensor with the SA-IRPROG remote control. Technical features: Power supply 220-240V AC 50Hz. Maximum load 2A and four 1-10V ballasts. Illuminance range 200-900 lux.

73/AN/33



Recessed sensor designed to control DALI dimmable luminaries. Sensors have the following features: 1-10V dimming for sunlight and detection of presence. The sensor could be used inside a luminary; plastic parts or glass diffusers cannot interfere with the signal. Users can program the sensor with the SA-IRPROG remote control. Technical features: Power supply 220-240V AC 50Hz. Maximum load 2A and four 1-10V ballasts. Illuminance range 200-900 lux.

73/DA/33



DALI systems

Light dimming controller for voltages 12-24V. It has five distinct mode of operation (selected via the dip-switches): on/off, push dimming, DALI, dimming 0-10V, dimming 1-10V.



73/DLP



73/DLS
Slave

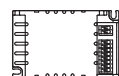
Voltage source

DALI diver

The 71/LDRD2412504 DALI controller allows control of linear LED luminaires supplied 24V DC. The controller has 4 output channels with a maximum load of 1.25 amps per channel. The voltage source is adequate for the load as well as respecting the maximum output current. DALI bus connection (DA +; -DA, SC) must be made with shielded twisted pair cable. Bus cable sizes 1.5mm2 0.75mm2 ~. Maximum length is 300m DALI bus with a section of 1.5mm2 cable, according to standard protocol data. The DALI signal can be disturbed by currents outside the system that is highly connected mesh (screen) to the terminals as shown in the wiring diagram recommended. Maximum 64 DALI data bus.



+



71/LDRD2412504

In a meeting room with items projected onto a screen, it is necessary to lower the general lighting and dim or block out natural light entering through the window, or even control the screen. The DALI system can also control the automatic curtains and screen, in addition to other ON/OFF lighting channels. For these occasions, there is the 4-relay module, controlled by DALI protocol, ref. 73/UR/DIN.



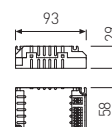
73/UR/DIN

250mA DALI bus feed, needed for DALI systems consisting of elements not included on the bus feed.



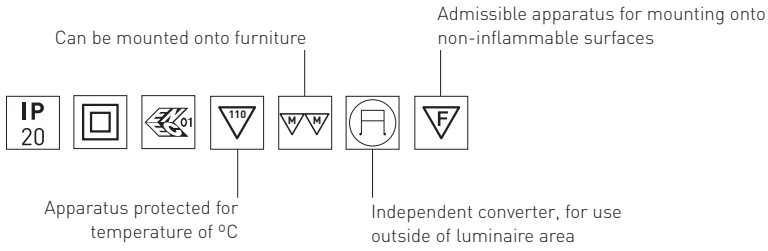
71/0250

DALI voltage dimmer 24V.
4 channels, 1250mA per channel.

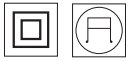


71/LDRD2412504

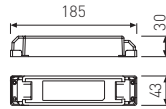




Power supply

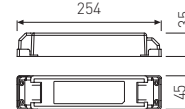


IP 20



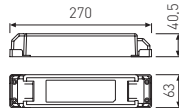
71/LD3524
Power supply
120-240Vac/24V 35W.
Independent use.

IP 20



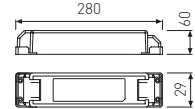
71/LD6024
Power supply
120-240Vac/24V 60W.
Independent use.

IP 20

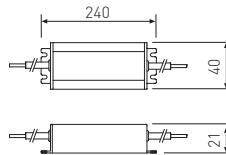


71/LD10024
Power supply
120-240Vac/24V 96W.
Independent use.

71/LD18024
Power supply
120-240Vac/24V 180W.
Independent use.

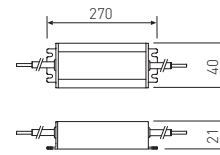


IP 67



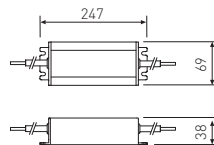
71/LDT06024
Power supply
120-240Vac/24V 60W.
Independent use.

IP 67



71/LDT9624
Power supply
120-240Vac/24V 96W.
Independent use.

IP 67



71/LDT15024
Power supply
120-240Vac/24V 150W.
Independent use.

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