



HOTEL

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**Hotel collection**

A selection of products for  
different applications

M A D E   I N   I T A L Y

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★ ★ ★ ★ ★



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An extensive selection of LED lighting fixtures for hotels, bars and restaurants.

Decorative lights, technical lights and top-performance lights that together consider the diverse lighting needs in every area of a hotel.

### Hotel lighting

The hotel industry has changed deeply in the last few years. Today, many different types of hotel exist: boutique hotels, artistic hotels, diffused hotels and many other variants of the classic hotel. The competition with other forms of accommodation, such as B&Bs, is forcing hotels to personalize their structure. Every hotel must now have a strong brand image to make a memorable experience for their guests. Lighting is fundamental for creating an attractive, personalized hotel capable of offering guests a pleasant and enjoyable stay.

In summary, lights are not just decorating elements, but they are the true protagonists of the hotel's ambience.

### To enhance architectonic and decorating solutions.

A good lighting system fitting innovative LED lights enhances the architecture and the decor characterizing a hotel. No matter the style chosen, whether it is to focus on simplicity, luxury or originality, lighting is the element that gives life to spaces, designing them and creating the mood. With LED sources, lighting designers have many more design choices compared to conventional sources. For example, a LED fixture can be easily inserted into architectonic and decorating elements, creating amazing settings. Different types of fixtures also allow monitoring the spaces, in the best way possible, characterizing the environments based on their diverse uses, such as the relaxation areas, lobbies, conference rooms.

### Ecologic sources and new technology

Good lighting choices can say much about a hotel. When visitors enter a hotel they need to perceive a carefully studied and contemporary design.

The choice of LED sources is a tell-tale sign of a hotel's interest in environmental issues, favouring energy-saving solutions and the use of cutting-edge technologies.

In this sense, LEDs, in addition to offering a notable advantage in terms of energy consumption and therefore lower costs, also allows characterizing the hotel as an eco-sustainable structure.

In a quality hotel, guests expect a technologically updated system. LED fixtures, even without using highly sophisticated fixtures, offer a high-quality lighting system, capable of being modulated and much more flexible compared to conventional lighting systems.

### To create the mood and a memorable brand image

The right lighting in hotel rooms and common spaces creates the mood that characterizes the structure and establishes an emotional relationship with guests. Today, LEDs allow lighting effects with a strong impact, both outdoors and indoors. Linear spotlights and fixtures, with compact dimensions, can be placed in decorating elements, and the use of different colours and diverse lighting scenes can turn a short stay into an experience to remember.

Good lights help guests remember their stay in a positive way and make perfect shots that can be posted on social media, increasing the hotel's popularity.

### Energy savings, functionality and personalization

The advantages of LEDs are not just aesthetic. In hotels, some areas need to be illuminated all the time, so lighting usually accounts for the biggest item on the energy bill.

A LED lighting system is therefore particularly suited in the hotel industry also for the favourable impact on costs. Savings are given by the LED sources that absorb up to 70% less energy compared to old lamps and by lighting controllers, such as lighting and presence detectors that allow notable savings by avoiding wasting energy and switching lights on unnecessarily. Sensors can dim lights based on the amount of daylight in the room, using lights only when and where needed.





**Postillion Hotel Bunnik - Utrecht, the Netherlands**



**Sir Joan Hotel - Ibiza, Spain**



**Zaira Villa - Lecce, Italy**



**The Yard - Milan, Italy**



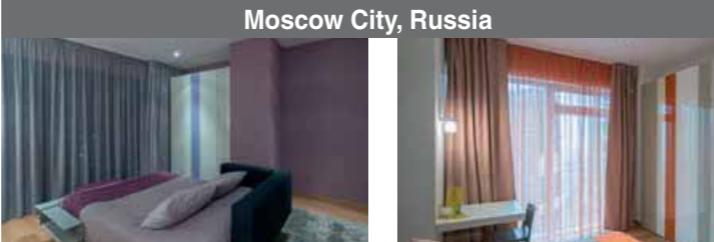
**The Ralph - Milan, Italy**



**Moscow City, Russia**



**Aquapark Sport Hotel - Wieradów Zdrój, Poland**



**Buddha-Bar - St. Petersburg**



**Hotel Karisma - Ulcinj, Montenegro**



## Arrival

The external lights illuminating the hotel's front help make a positive impression. Whether to create amazing light plays or to exhibit aesthetic rigour, the lights illuminating a hotel as soon as visitors arrive will tell them about the quality they can expect inside. Well-kept gardens with ambient lights, illuminated entrance paths, safe parking areas give visitors seeking for relaxation after a long journey a feeling of comfort.

## Reception

Reception areas (front desks and lobbies) must be well-illuminated to prevent visitors from feeling disoriented when they enter the hotel. It should be made clear where they can check in, find a restroom, leave their luggage, etc...). In these areas, lights can play a key role for creating a positive first impression.

## Accommodation

Hotel rooms with a skilfully designed lighting system can achieve superior quality levels. The pleasure of staying in a comfortable room increases guest's satisfaction. Dimmable lights allow them to decide the desired lighting level during different moments of the day.

## All inclusive

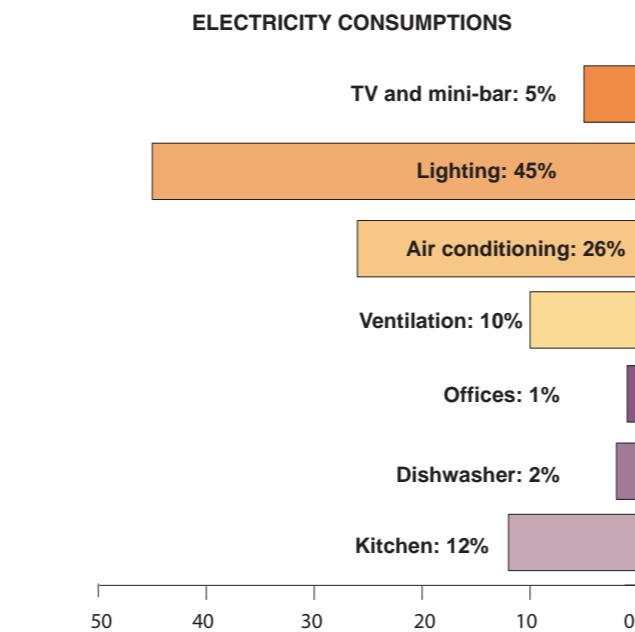
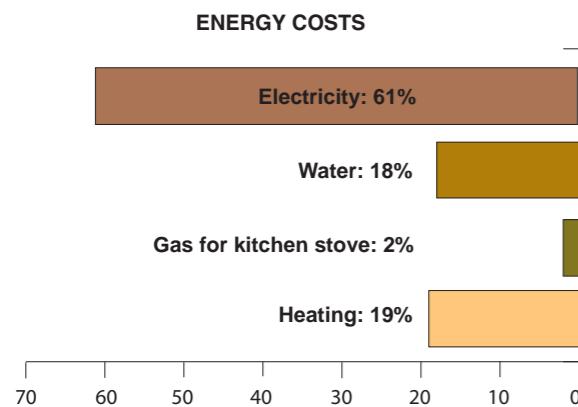
Hotels offer their guests many different types of spaces. Lounge areas with couches and soft chairs where guests can relax, rooms where they can have breakfast and restaurant rooms where they have lunch and dinner, fitness rooms, as well as spas, swimming pools and gyms. On terraces and in gardens and outdoor areas lights are fundamental for creating a sense of aesthetics and comfort. Even in these secondary zones, a carefully designed lighting system makes environments particularly pleasant to enjoy.

## Technical areas

There are many people working in a hotel both directly with guests and "behind the scenes". These people require lights with specific technical features in order to perform their tasks in a safe and accurate way. In kitchens, storage rooms and laundry rooms, it is best to install customized lighting systems.

★ ★ ★ ★  
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Renovate to save!!



There are many reasons for switching to the LED technology.  
A skilful relamping project allows saving up to 85% on energy bills!

### 1: Switching to the LED technology

	LED	CFL	HALOGEN	INCANDESCENCE
Life	Very long 50.000***	Long	Medium	Short
Energy used	Very low	Low	Medium	High
<b>Energy consumption</b>	<b>15%</b>	25%	78%	100%
<b>Average energy savings</b>	<b>Up to 85%</b>	Up to 75%	Up to 28%	0%
Running costs	Very low	Low	Medium	High
Environmental impact	Very low	Low	Medium	High
Availability	Very high	Medium	No longer allowed	No longer allowed

### Fixed costs and variable costs of energy consumption

It is well-known that there are fixed and variable costs in the energy consumption of hotels.

In terms of variable costs, much can be saved using an energy efficient lighting system.

The costs of electricity (amounting to about 61% of total variable costs) depend on seasons (26% for air conditioning and 10% for ventilation, while other costs depend on the room's use (conference rooms) or occupancy (TV, mini-bar, lights in the room and bathroom, corridors).

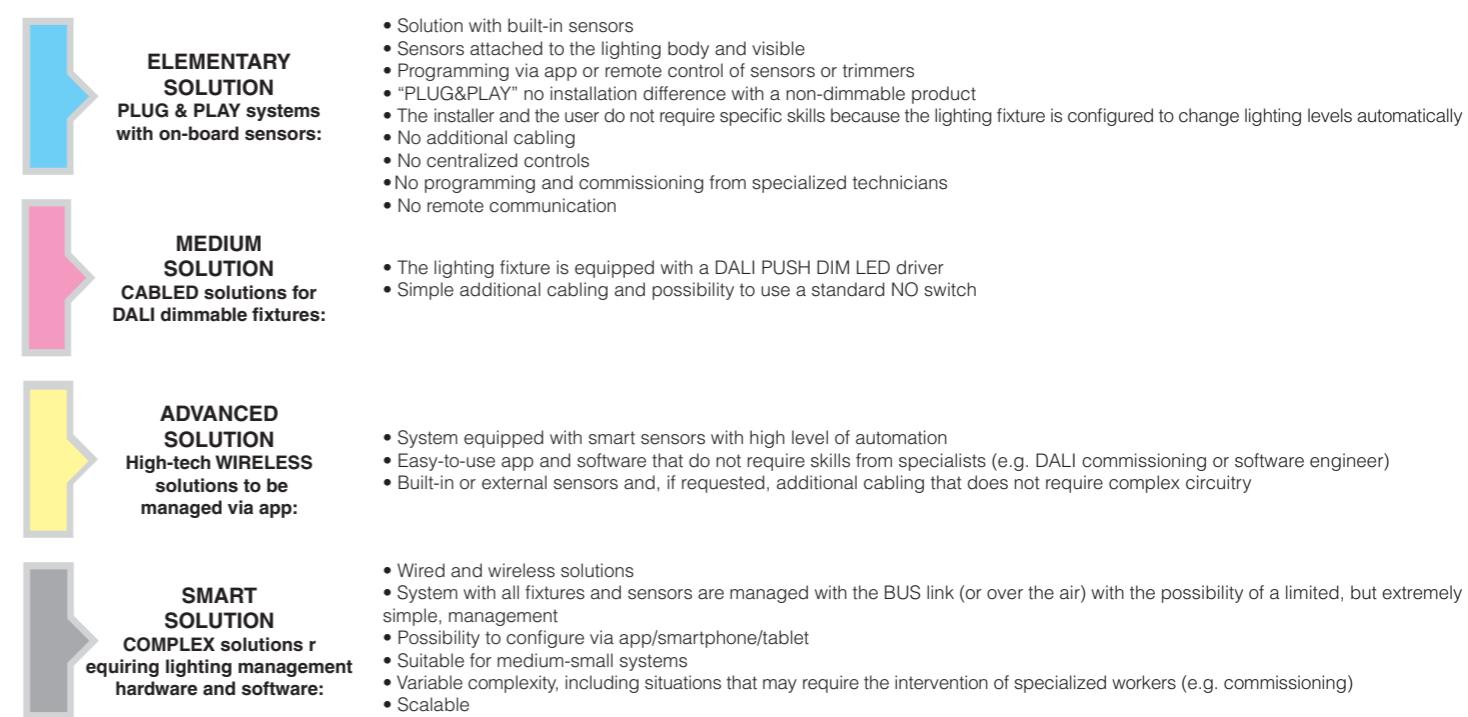
With the LED technology, hotels can save up to 85% of their energy costs both in the areas where lights stay always on (entrance hall, reception desk, kitchens, etc.) and in the areas where lights are consumed on-demand (room occupancy, parking areas, corridors, technical rooms).

### 2: Relamping

- Before relamping your lights, with just a few easy tricks, you can also save on installation costs. For example:
- In hotels with false ceilings made up of panel modules, you can use Pannello LED fixtures.
- With existing recessed spotlights, it is possible to install a new LED source using the same spotlight holes or only slightly bigger. All you need is a Forstner drill to make a bigger hole without changing the false ceiling.
- In this brochure we selected some products that have a life of 50000 (\*\*) or higher: this will make you forget about the costs for changing broken or worn out lamps for a very long time.
- Free-standing installation: the products displayed in this brochure do not require particular mounting tools or methods. Moreover, they do not need to be opened for internal cabling purposes because they are already ready for use.

### 3: Smart lighting control

- Not all the areas of a big hotel are occupied or used all the time. Some spaces such as corridors, stairways, restrooms, conference rooms and recreational rooms may require the installation of special lighting dimmers. This brochure contains a selection of lighting fixtures with dimmable and DALI cabling that allow you to control lights using products that range from ELEMENTARY solutions to very complex lighting management systems. For example:



### 4: Also save outside

Amenity and street lighting fixtures are equipped with the latest generation of programmable drivers that allow controlling different aspects and functions of a lighting system:

OPERATING MODE	DESCRIPTION	ADVANCED PROG	BASIC PROG
Luminous flux setup	This can be done by programming the drive current values requested when ordering/purchasing the fixture	✓	✓
Virtual Midnight order with subcode -30	Stand-alone system with automatic luminous flux reduction in <b>4 steps</b> (up to <b>max 8 steps</b> available upon request)	✓	
Broadcast Prog	This allows the reconfiguration of the Virtual Midnight profile, including the enabling/disabling of all the fixtures installed on the same power line (broadcast function) via a sequence of electrical impulses.	✓	
Mains voltage regulation	This allows varying the luminous flux by adjusting the mains voltage between 170 and 250 V AC	✓	
CLO (Constant Light Output)	The lighting fixture maintains a constant light output throughout its entire service life	✓	
DC power in EM	In centralized emergency systems, the LED Driver automatically detects when the power changes from AC to DC and adjusts the lights to a pre-set value (DC level)	✓	
Monitoring (default)	The driver is equipped with a micro-processor that records the operating conditions from the moment it is turned on	✓	
Setup via APP	The NFC technology allows users to set the different operating modes via an APP	✓	

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★★★★★

## Arrival



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## Cripto Medium - Cripto Big

**Housing:** in die-cast aluminium with cooling fins.

**Diffuser:** tempered glass, 4 mm thick, resistant to thermal shock and impacts.

**Coating:** the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating. On request: coating COMPLIANT with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

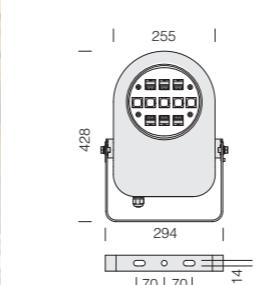
**Standard Supply:** complete with galvanised and coated bracket. With double insulation switch. Safety diode to protect against voltage peaks compliant with EN 61547.

**On request:** 1-10V dimmer, dimmable from 10% to 100% (subcode **-0041**), Radar Sensor version (subcode **-19**).

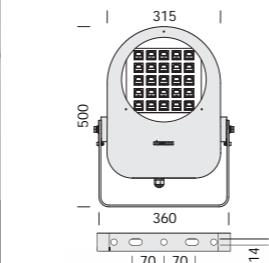
**LED:** power factor: ≥0.9. Photobiological safety class: exempt group.

## Cripto

IP66IK08



IP66IK08



93W-211W= 4/6kV  
134W= 6/8kV



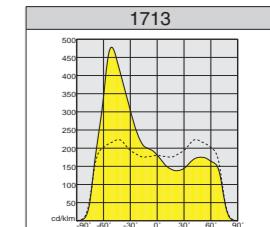
4000K

CRI  
>80

80.000h  
L80B10

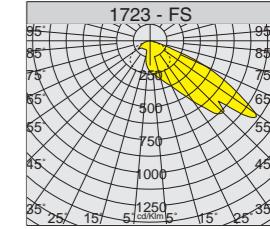
### 1713 Cripto medium - asymmetric

LED	colour	CLD		LUMEN OUTPUT (tg= 25 °C)	
		weight	code	W tot	K - ølm 700mA - CRI
LED	graphite	413030-00		93	4000K - 9121 lm - CRI>80
LED	grey 9006	413031-00			



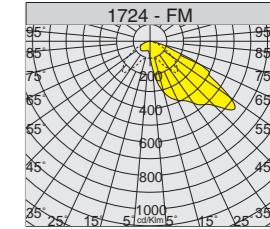
### 1723 Cripto Big - asymmetric 50° - FS

LED	colour	CLD		LUMEN OUTPUT (tg= 25 °C)	
		weight	code	W tot	K - ølm 700mA - CRI
LED	graphite	413070-00		134	4000K - 12169 lm - CRI>80
LED	grey 9006	413074-00			
LED	graphite	413071-00		211	4000K - 19014 lm - CRI>80
LED	grey 9006	413075-00			



### 1724 Cripto Big - asymmetric 50° - FM

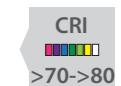
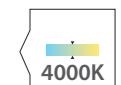
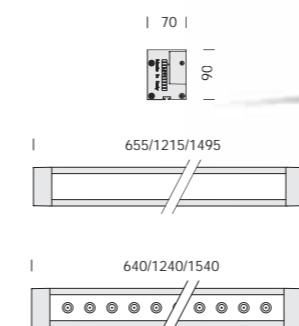
LED	colour	CLD		LUMEN OUTPUT (tg= 25 °C)	
		weight	code	W tot	K - ølm 700mA - CRI
LED	graphite	413080-00		134	4000K - 12682 lm - CRI>80
LED	grey 9006	413084-00			
LED	graphite	413081-00		211	4000K - 19816 lm - CRI>80
LED	grey 9006	413085-00			





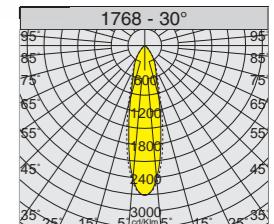
## Sicura

IP66IK08 □



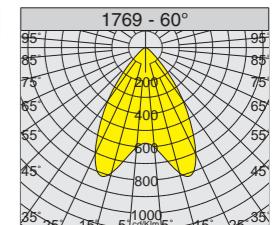
**1768 Sicura FS - symmetric**

LED	colour	L	CLD		LUMEN OUTPUT (tq= 25 °C)	
			weight	code	W tot	K - ølm - CRI - degrees
LED	grey	655	2.90	414242-00	22	4000K - 2931 lm - CRI>80 - 30°
		1215	5.60	414243-00	43	4000K - 5865 lm - CRI>80 - 30°
		1495	6.60	414244-00	54	4000K - 7329 lm - CRI>80 - 30°



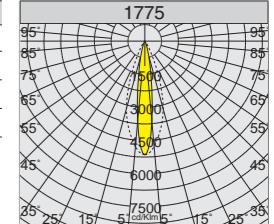
**1769 Sicura FL - symmetric**

LED	colour	L	CLD		LUMEN OUTPUT (tq= 25 °C)	
			weight	code	W tot	K - ølm - CRI - degrees
LED	grey	655	2.90	414262-00	22	4000K - 3136 lm - CRI>80 - 60°
		1215	5.60	414263-00	43	4000K - 6272 lm - CRI>80 - 60°
		1495	6.60	414264-00	54	4000K - 7840 lm - CRI>80 - 60°



**1775 Sicura - elliptic**

LED	colour	L	CLD		LUMEN OUTPUT (tq= 25 °C)	
			weight	code	W tot	K - ølm - CRI
LED	grey	640	2.90	414236-00	31	4000K - 3148 lm - CRI>70
		1240	5.60	414237-00	61	4000K - 6297 lm - CRI>70
		1540	6.60	414238-00	77	4000K - 8096 lm - CRI>70



**acc. 376 ceiling moun. unit**

galvanized 145151-00

For direct ceiling installation. Only for equipment with direct light. **2 for pack.**

**acc. 537 adjustable connection**

galvanized 993974-00

To install Sicura on walls or ceiling. To be used for continuous lines. **2 for pack.**

**acc. 339 connector**

993836-00

To be used for mains connection.

**acc. 535 adjustable connection**

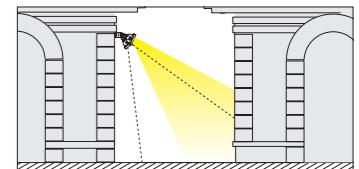
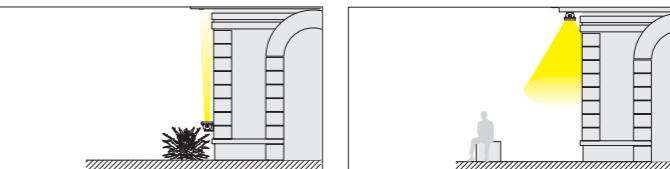
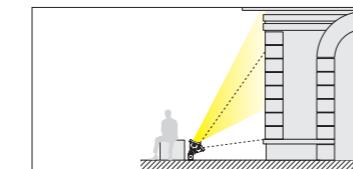
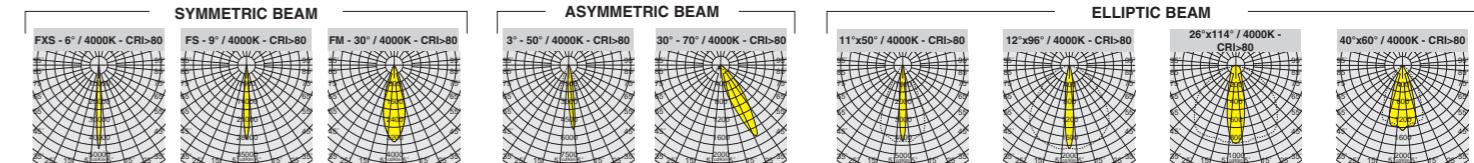
grey 993970-00

For direct ceiling installation. Capacity: 6 Kg. **2 for pack.**

**acc. 536 bracket**

grey 993972-00

To install Sicura permanently on walls. **2 for pack.**





## Brick

**Housing:** in die-cast aluminium.

**Diffuser:** in tempered glass, 4 mm thick, thermal shock and impact resistant.

**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Standard supply:** supplied with plate for wall installation and cable with IP67 airtight connector for mains connection.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20).

Power factor ≥0.9

## Brick

IP65IK07

1556	
1557	
1558	



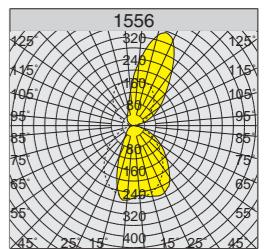
3000K

CRI  
>80

50.000h  
L80B20

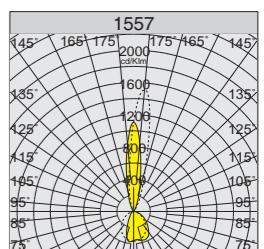
### 1556 Brick - direct/indirect light

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code
	grey 9007		420600-00
<b>LED</b>	white	1.00	420601-00
	graphite		420602-00
		<b>19</b>	3000K - 1440 lm - CRI>80



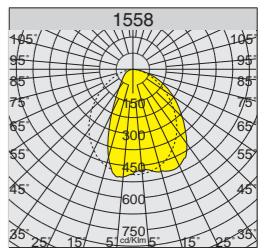
### 1557 Brick - direct/indirect light with narrow beam

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code
	grey 9007		420610-00
<b>LED</b>	white	1.00	420611-00
	graphite		420612-00
		<b>11</b>	3000K - 890lm - CRI>80

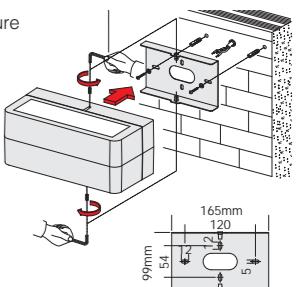


### 1558 Brick - direct light

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code
	grey 9007		420620-00
<b>LED</b>	white	1.00	420621-00
	graphite		420622-00
		<b>10</b>	3000K - 730lm - CRI>80



**Mounting:** rapid connection, the fixture does not need to be opened.





## Volo

**Housing and frame:** pressed in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

**Pole connection:** pressed in die-cast aluminium. Suited for poles with a diameter 60 mm.

**Diffuser:** extra-clear tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

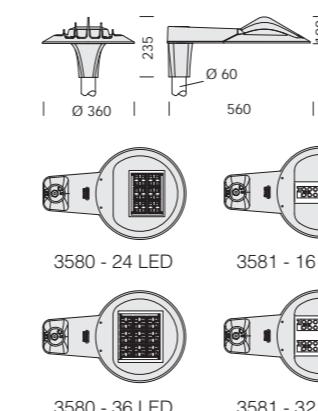
**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Standard supply:** Automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module. Supplied with connector for mains connection and complete with an air-circulation valve.

**LED:** power factor: ≥0,9. Photobiological safety class: exempt group.

## Volo

\* IP66IK09 Registered Design DM/100271



27W-35W-45W-69W  
= 6/10kW

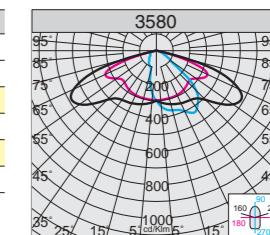


4000K

3000K

CRI  
>70

Available in:  
• two-colour version (anthracite - graphite)  
• pearl colour (for codes see website)



80.000h  
L80B20



### 3580 Volo - residential amenities - high performance

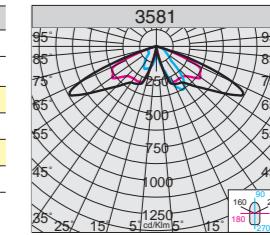
LED	colour	CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - olm - CRI
<b>LED</b>	graphite	6.00	424600-2168	<b>27</b>	4000K - 4346 lm - CRI>70
			424600-3968		3000K - 4115 lm - CRI>70
<b>LED</b>	graphite	6.50	424602-2168	<b>45</b>	4000K - 7412 lm - CRI>70
			424602-3968		3000K - 7019 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).

### 3581 Volo - cycleways + residential amenities

LED	colour	CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - olm - CRI
<b>LED</b>	graphite	6.00	424610-2168	<b>35</b>	4000K - 4411 lm - CRI>70
			424610-3968		3000K - 4177 lm - CRI>70
<b>LED</b>	graphite	6.20	424612-2168	<b>69</b>	4000K - 8970 lm - CRI>70
			424612-3968		3000K - 8494 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).



100.000h  
L80B10



Example with Zhaga Socket (subcode -0054)



Nema Socket order with **subcode -40**  
(sealing cap to be ordered separately)

Zhaga Socket order with **subcode -0054**  
(complete with sealing cap)

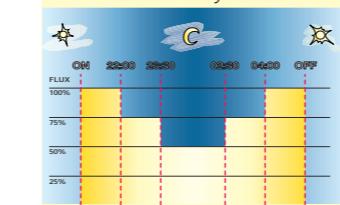
Mounted directly on the fixture's body, ideal for remote lighting management applications.



### VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system.

In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.



**Virtual Midnight subcode -30:** fixtures are equipped with a device to reduce flux in 4 steps based on the calculation of the virtual midnight.

**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



## Lucerna

**Technical Specifications:** housing, lid, spokes, and connection for die-cast aluminium pressed poles.

**Diffuser:** tempered glass, 5 mm thick, withstands thermal shock and impacts.

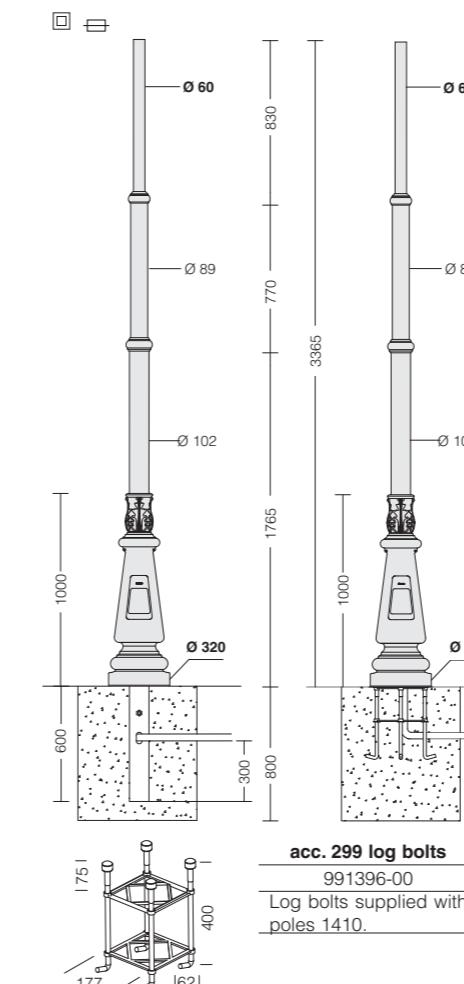
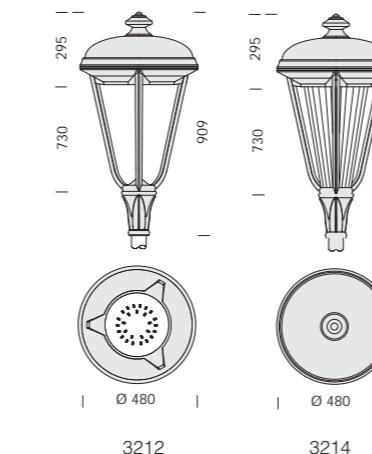
**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Equipment:** nylon wiring plate, 30% fibre glass, removable, tool-free, for quick maintenance. Standard knife switch, which enables to automatically cut off the power supply during maintenance. Complete with quick-connector for connection to the line. Can be adjusted by loosening the bolts without taking the lighting fixture apart. Temperature control device. In the event of an unexpected LED temperature rise caused by particular weather conditions or a LED failure, the system will reduce the luminous flux to lower the working temperature and guarantee proper operation.

**LED:** power factor: ≥0.9. Photobiological safety class: exempt group.

## Lucerna

IP66IK08



3212 Lucerna R

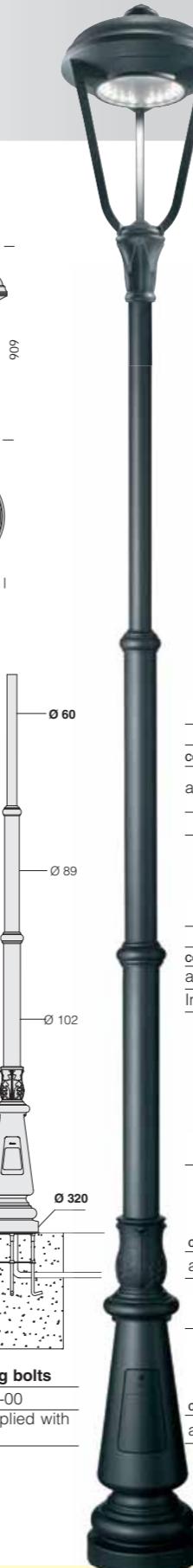
colour	CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
	weight	code	W tot	K - ølm 350mA - CRI
anthracite	12.35	326970-00	27	4000K - 3390 lm - CRI>70
		326970-39		3000K - 3153 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).

3214 Lucerna R

colour	CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
	weight	code	W tot	K - ølm 350mA - CRI
anthracite	12.35	326985-00	28	4000K - 2626 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).



acc. 1411 - Lucerna pole to be buried

colour	code	acc. 1410 - Lucerna pole with base	
		Ø 320	Ø 60
anthracite	425230-00	3965	3365



acc. 1410 - Lucerna pole with base

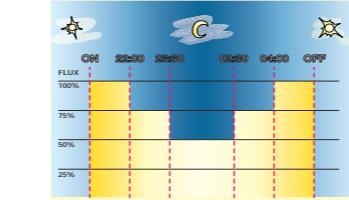
colour	code	acc. 1410 - Lucerna pole with base	
		Ø 320	Ø 60
anthracite	425220-00	3365	300



### VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system.

In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.



### Factory settings

Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

**Virtual Midnight subcode -30:** fixtures are equipped with a device to reduce flux in 4 steps based on the calculation of the virtual midnight.

**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



## Iseo

**Housing and arms:** pressed in die-cast aluminium and designed with a very small surface exposed to wind.

**Optics:** in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

**Pole connection:** pressed in die-cast aluminium. Suited for poles with a diameter 60-76mm.

**Diffuser:** extra-clear tempered glass, 5 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Equipment:** nylon wiring plate 30% fibre glass complete with connector for mains connection and for LED module. Automatic temperature control inside the device with automatic resetting. With dedicated electronic device to protect the LED module. Equipped with an air-circulation valve.

**LED:** power factor: ≥0,92. Photobiological safety class: exempt group.

## Iseo

IP66IK09



acc. 109 anti-glare shield

anthracite 991309-00

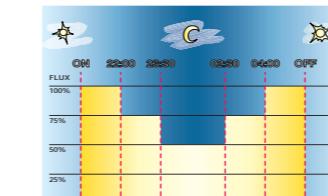
To prevent glare effects. To be fitted when Garda is installed near a window.



### VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system.

In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.



Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

**Virtual Midnight subcode -30:** fixtures are equipped with a device to reduce flux in 4 steps based on the calculation of the virtual midnight.

**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.

33W-64W-52W  
= 6/10kW

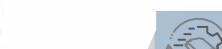


4000K

3000K

CRI  
>70

100.000h  
L80B10



### 3361 Iseo 2 - residential amenities

CLD PROG		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.10	330570-00	33	4000K - 3366 lm - CRI>70
			330570-39		3000K - 3130 lm - CRI>70
LED	anthracite	7.10	330571-00	64	4000K - 6732 lm - CRI>70
			330571-39		3000K - 6261 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).



### 3362 Iseo 3 - residential amenities

CLD PROG		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.10	330580-00	64	4000K - 6741 lm - CRI>70
			330580-39		3000K - 6269 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).



### 3360 Iseo 1 - wide beam

CLD PROG		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.30	330560-00	52	4000K - 5667 lm - CRI>70
			330560-39		3000K - 5270 lm - CRI>70

Integrated ADVANCED PROG functions (see table on p. 9).





## Garda

**Housing and arms:** pressed in die-cast aluminium and designed with a very small surface exposed to wind.  
**Optics:** made of PMMA with high temperature resistance and UV rays.  
**Pole connection:** pressed in die-cast aluminium. Suited for poles with a diameter 60-76mm.  
**Diffuser:** extra-clear tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).  
**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.  
**Equipment:** nylon wiring plate 30% fibre glass complete with connector for mains connection and for LED module. Automatic temperature control inside the device with automatic resetting. With dedicated electronic device to protect the LED module. Equipped with an air-circulation valve.  
**LED:** power factor: ≥0.9. Photobiological safety class: exempt group.

## Garda



3351 Garda 2 - asymmetric			
		CLD BASIC	
LED	colour	weight	code
<b>LED</b>	anthracite	5.70	330520-00
			330520-39
<b>LED</b>	anthracite	5.90	330521-00
			330521-39

LUMEN OUTPUT (tq= 25 °C)

K - ølm - CRI
4000K - 3773 lm - CRI>70
3000K - 3508 lm - CRI>70
4000K - 7275 lm - CRI>70
3000K - 6765 lm - CRI>70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 9).

3353 Garda 4 - cycleways + residential amenities			
		CLD BASIC	
LED	colour	weight	code
<b>LED</b>	anthracite	5.70	330540-00
			330540-39
<b>LED</b>	anthracite	5.90	330541-00
			330541-39

LUMEN OUTPUT (tq= 25 °C)

K - ølm - CRI
4000K - 3525 lm - CRI>70
3000K - 3278 lm - CRI>70
4000K - 6887 lm - CRI>70
3000K - 6404 lm - CRI>70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 9).

3350 Garda 1 HE - wide beam			
		CLD BASIC	
LED	colour	weight	code
<b>LED</b>	anthracite	5.70	330512-00
			330512-39
<b>LED</b>	anthracite	5.90	330513-00
			330513-39
<b>LED</b>	anthracite	5.90	330517-00
			330517-39

LUMEN OUTPUT (tq= 25 °C)

K - ølm - CRI
4000K - 1823 lm - CRI>70
3000K - 1695 lm - CRI>70
4000K - 3463 lm - CRI>70
3000K - 3221 lm - CRI>70
4000K - 5193 lm - CRI>70
3000K - 4829 lm - CRI>70

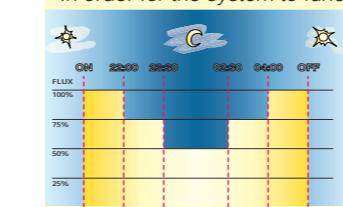
**Upon request:** possibility to choose different lighting point management systems (see table on p. 9).



### VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system.

In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.



Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

**Virtual Midnight subcode -30:** fixtures are equipped with a device to reduce flux in 4 steps based on the calculation of the virtual midnight.

**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



## Ischia

**Housing:** pressed in die-cast aluminium.

**Pole connection:** pressed in die-cast aluminium. Suited for poles with a diameter 60 mm.

**Diffuser:** polycarbonate 2,5 mm thick, thermal shock and impact resistant (UNI EN 12150 tests 1/2001).

**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Upon request:** coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

## Ischia

IP66IK10

Registered Design  
DM/100271

105 l - 67

Ø60

3590

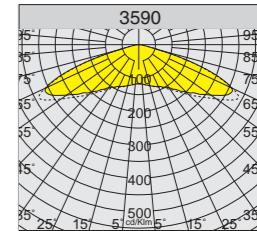
3591



**3590 Ischia - rotosymmetric**

		CLD BASIC	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - lm - CRI
<b>LED</b>	graphite	4.50	424662-00	<b>11</b>	4000K - 1371 lm - CRI>70
			424662-39		3000K - 1302 lm - CRI>70
<b>LED</b>	graphite	4.50	424663-00	<b>16</b>	4000K - 2333 lm - CRI>70
			424663-39		3000K - 2216 lm - CRI>70
<b>LED</b>	graphite	4.50	424664-00	<b>24</b>	4000K - 3626 lm - CRI>70
			424664-39		3000K - 3445 lm - CRI>70
<b>LED</b>	graphite	4.50	424660-00	<b>35</b>	4000K - 4624 lm - CRI>70
			424660-39		3000K - 4393 lm - CRI>70
<b>LED</b>	graphite	4.50	424661-00	<b>48</b>	4000K - 5874 lm - CRI>70
			424661-39		3000K - 5580 lm - CRI>70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 9).

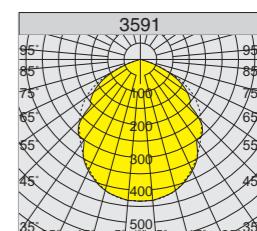


CRI  
>70

80.000h  
L80B20

BASIC PROG

VIRTUAL MIDNIGHT



CRI  
>80

50.000h  
L80B20

BASIC PROG

VIRTUAL MIDNIGHT

		CLD BASIC	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - lm - CRI
<b>COB</b>	graphite	4.50	424670-00	<b>44</b>	4000K - 5877 lm - CRI>80
			424671-00		3000K - 5469 lm - CRI>80
			424670-73		2200K - 5172 lm - AMBER

**Upon request:** possibility to choose different lighting point management systems (see table on p. 9).



**3591 Ischia - COB rotosymmetric**

		CLD BASIC	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - lm - CRI
<b>COB</b>	graphite	4.50	424670-00		4000K - 5877 lm - CRI>80
<b>COB</b>	graphite	4.50	424671-00		3000K - 5469 lm - CRI>80
<b>AMBER</b>			424670-73		2200K - 5172 lm - AMBER

**Upon request:** possibility to choose different lighting point management systems (see table on p. 9).



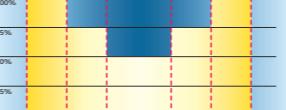
### VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system.

In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.

**Virtual Midnight subcode -30:** fixtures are equipped with a device to reduce flux in 4 steps based on the calculation of the virtual midnight.

Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%



**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



## Ottima

**Housing:** injection moulded, in grey polycarbonate, shatter-proof, UV-stabilised, highly resistant to mechanical impacts thanks to the reinforced structure with internal ribbing.

**Diffuser:** transparent polycarbonate injection-moulded diffuser with grooves and internal opaque satin finish for greater lighting diffusion, V2 self-extinguished, UV stabilised, outer smooth finish for easy cleaning and to maximize lighting efficiency. Closure with clamps and stainless steel safety screws.

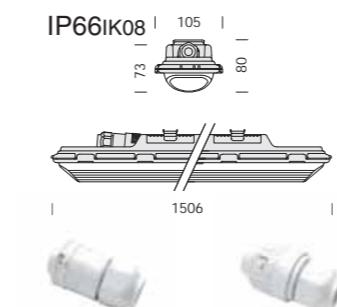
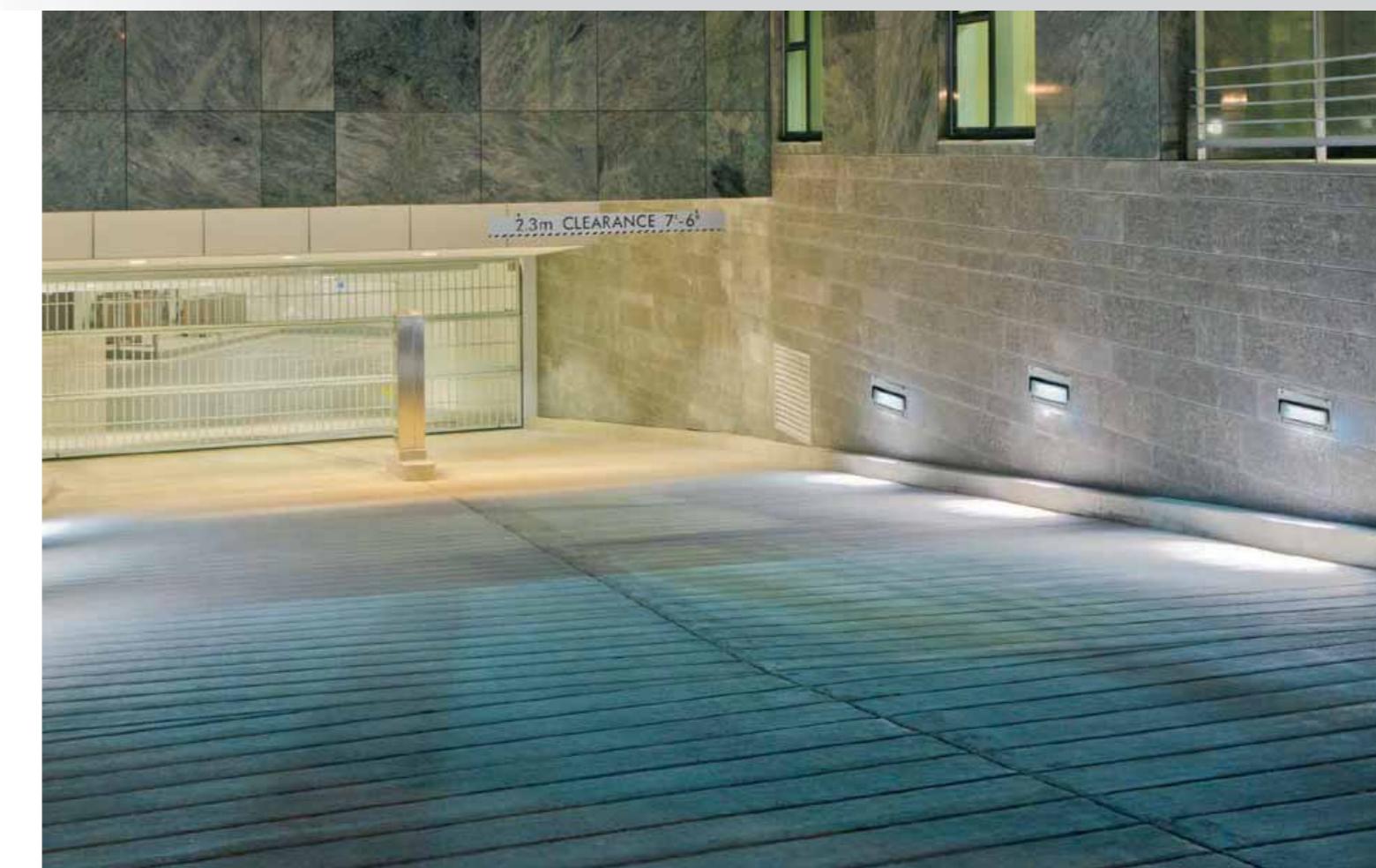
**Reflector:** in galvanised steel, previously stone-enamelled with UV-stabilised polyester resin. Clamping device manufactured directly onto the housing.

**Standard supply:** eco-friendly and anti-aging expanded polyurethane injected gasket. The fixing brackets for ceiling and suspension mounting are in stainless steel. Socket-plug connector. The fixture is secured to the fixing brackets through quick connectors.

## Box 1

**Housing:** vandal resistant fibreglass grey colour RAL 7035 nylon. **Frame:** stainless steel AISI 316. **Diffuser:** tempered glass.

## Ottima - Box



acc. 371 quick connector plug

grey | 998041-00

acc. 372 quick connector socket

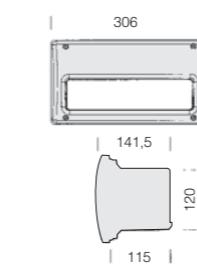
grey | 998042-00

Always to be used for continuous line with wire. Cable gland with inlet cable 16A min. ø 9 max ø12 mm. **10 per pack.**

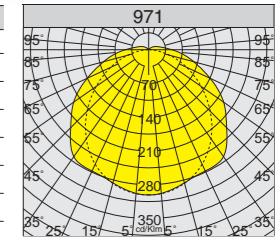
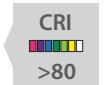
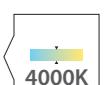
colour	CLD			CLD-E			CLD D-DALI			LUMEN OUTPUT (tq= 25 °C)		
	weight	code	code	weight	code	code	W tot	K - olm - CRI	W tot	K - olm - CRI	W tot	K - olm - CRI
gris	164770-00	164770-07	164770-0041	<b>25</b>	4000K - 4302 lm - CRI>80							
	164777-00	164777-07	164777-0041	<b>34</b>	4000K - 6300 lm - CRI>80							
	164771-00	164771-07	164771-0041	<b>39</b>	4000K - 7400 lm - CRI>80							
	164772-00	164772-07	164772-0041	<b>48</b>	4000K - 8438 lm - CRI>80							
	164773-00	164773-07	164773-0041	<b>53</b>	4000K - 9017 lm - CRI>80							
	*164774-00	164774-07	164774-0041	<b>57</b>	4000K - 9555 lm - CRI>80							
	*164775-00	164775-07	164775-0041	<b>61</b>	4000K - 10041 lm - CRI>80							
	*164776-00	164776-07	164776-0041	<b>65</b>	4000K - 10600 lm - CRI>80							

\*57-61-65W = luminous flux maintenance 80%: 100.000h (L80B20).

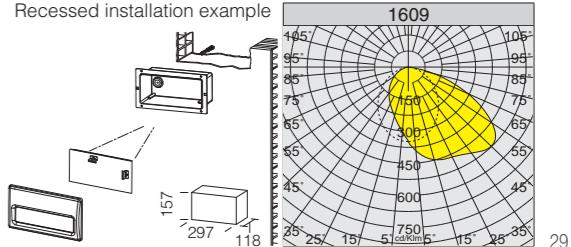
## IP66IK08



971 Ottima

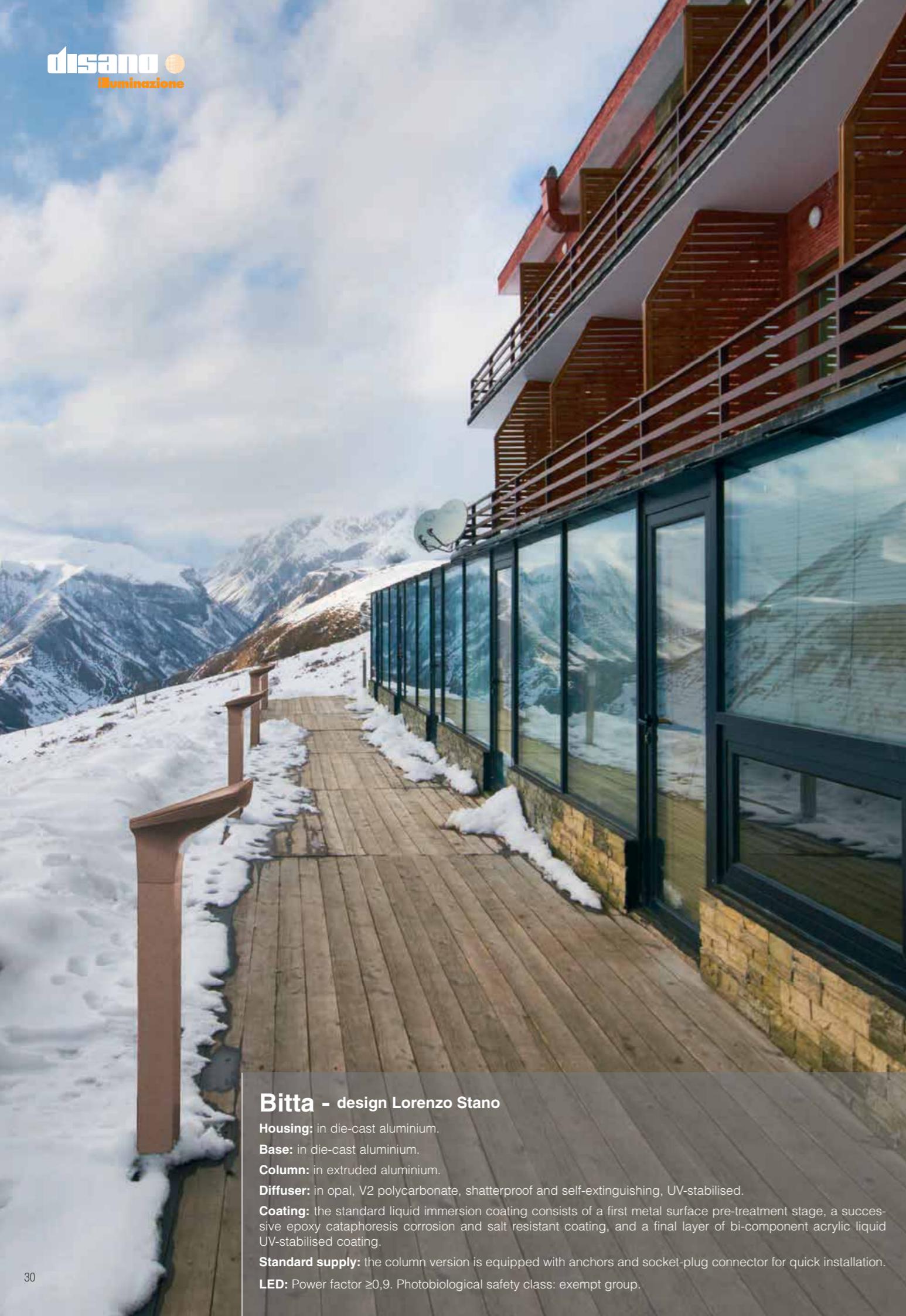


Recessed installation example



## 1609 Box 1 - asymmetric screen eyelid

colour	CLD		LED (tj= 25 °C)	
	weight	code	W	K - olm 116mA - CRI
inox	1.70	431770-00	<b>4,5</b>	4000K - 480lm - CRI>80



### Bitta - design Lorenzo Stano

**Housing:** in die-cast aluminium.

**Base:** in die-cast aluminium.

**Column:** in extruded aluminium.

**Diffuser:** in opal, V2 polycarbonate, shatterproof and self-extinguishing, UV-stabilised.

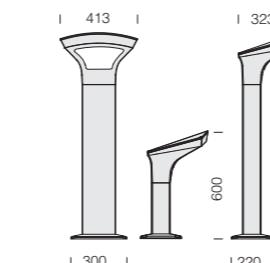
**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Standard supply:** the column version is equipped with anchors and socket-plug connector for quick installation.

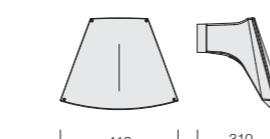
**LED:** Power factor ≥0,9. Photobiological safety class: exempt group.

### Bitta - design Lorenzo Stano

IP66IK08 



IP66IK08



1840 Bitta 1

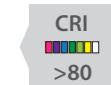
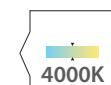
CLD				LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	h	W tot	K - ølm 110mA - CRI
LED	grey 9007	6.20	511430-00	600	11	4000K - 549lm - CRI>80
	graphite		511432-00			
	anthracite		511433-00			
	corten		511430-2191			
LED	grey 9007	8.20	511435-00	1100	11	4000K - 549lm - CRI>80
	graphite		511436-00			
	anthracite		511437-00			
	corten		511435-2191			

1849 Bitta 3

CLD				LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	h	W tot	K - ølm 350mA - CRI
LED	grey 9007	13.00	511443-00	2400	27	4000K - 2394lm - CRI>80
	grafite		511444-00			
	antracite		511445-00			
	corten		511443-2191			

1841 Bitta 2 wall version

CLD				LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm 110mA - CRI
LED	grey 9007	3,20	511440-00	11	4000K - 549lm - CRI>80
	graphite		511441-00		
	anthracite		511442-00		
	corten		511440-2191		



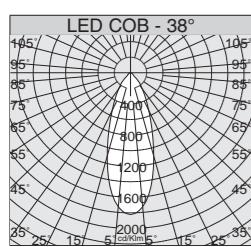


3000K

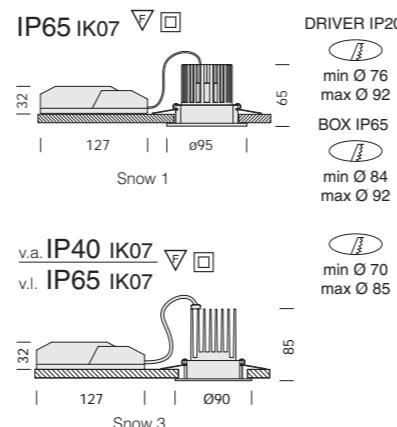
4000K

CRI  
>90-92

50.000h  
L80B20



On request: chrome version:

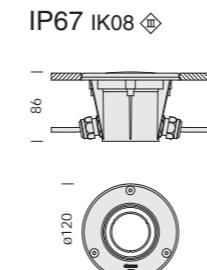


CLD		W tot	LUMEN OUTPUT (tq= 25 °C)		
LED	colour		weight	code	K - ølm - CRI - degrees
<b>COB</b>	white	0,30	22082610-00	<b>12</b>	3000K - 1070 lm - <b>CRI&gt;90</b> - 38°
<b>COB</b>	silver	0,30	22082670-00		
<b>COB</b>	white	0,30	22082610-68	<b>12</b>	4000K - 1145 lm - <b>CRI&gt;90</b> - 38°
<b>COB</b>	silver	0,30	22082670-68		

Equipped with cable L=1,5m , cable gland and steel screws with special anticorrosion treatment.

**Snow 3**

CLD		W tot	LUMEN OUTPUT (tq= 25 °C)		
LED	colour		weight	code	K - ølm - CRI - degrees
<b>COB</b>	white	0,30	22082613-00	<b>10</b>	3000K - 957 lm - <b>CRI 92</b> - 38°
<b>COB</b>	black	0,30	22082633-00		
<b>COB</b>	white	0,30	22082614-00	<b>10</b>	4000K - 990 lm - <b>CRI 92</b> - 38°
<b>COB</b>	black	0,30	22082634-00		

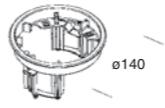


**1661 Microfloor - LED 230V**

230V	colour	weight	code	temperature and load				LED (tj= 25 °C)
				Max T. on glass ta 25°	max kg load	can be walked on	can bear vehicle loads	
<b>LED</b>	s. steel	0.40	530816-00	30°	2000	OK	OK	<b>1</b> 4000K - 80 lm - CR>80

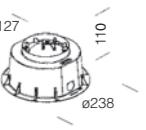
**acc. 314 - chassis**

993926-00  
To install Microfloor on the wall.



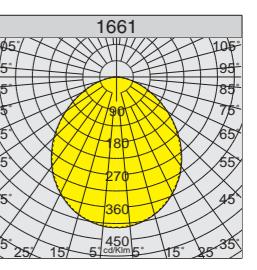
**acc. 313 - outer shell**

993925-00  
To install Microfloor into the ground.



4000K

CRI  
>80



★★★★★  
Hotel collection  
★★★★★

## Reception



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## Liset 2.0 Ring

**Liset 2.0** is a linear and modular lighting system that is easily customisable and capable of offering a series of lighting solutions in any setting, including retailing, artistic and cultural spaces or in entrance lobbies and/or hospitality facilities. Compact, elegant, flexible and small, **Liset 2.0** is simple to install as a recessed, ceiling, suspension or track lamp. It is available in three versions: with dark light lamellar optics with URG<19, or with either white or black polycarbonate comfort optics and polycarbonate opal diffuser. The entire range has latest generation 4000K LED sources with 80 and 90 CRI, making these products easy to fit into any lighting design project.

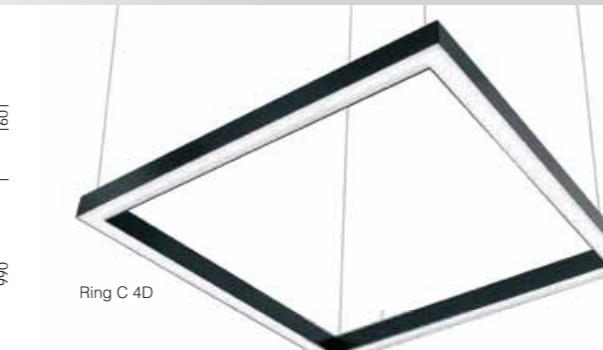
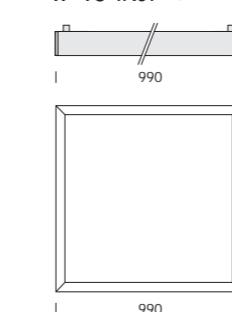
**Housing:** made of extruded aluminium.

**Heads:** in die cast aluminium.

**LED:** power factor: ≥0,92. Photobiological safety class: exempt group.

## Liset 2.0 Ring

IP40 IK07 ▽



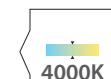
Ring C 4D



Ring C 2D+2M



Ring C 4M



**Upon request:**

- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K).
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

The product offers the possibility to choose the correct drive current for LEDs and have the right power and the luminous flux under specific design conditions.

### Liset 2.0 Ring - C 4D

LED	housing	CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)		
		L (mm)	weight	code	W tot	K - olm - CRI
<b>LED</b>	white	990	8,50	22302710-00	<b>46</b>	4000K - 4320 lm - CRI>80
	black			22302730-00		
<b>LED</b>	white	8,50	22302710-39	<b>46</b>	3000K - 4018 lm - CRI>80	
	black			22302730-39		

**Diffuser:** in polycarbonate.

### Liset 2.0 Ring - C 2D+2M

LED	housing	CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)		
		L (mm)	weight	code	W tot	K - olm - CRI
<b>LED</b>	white	990	10,00	22302810-00	<b>51</b>	4000K - 5320 lm - CRI>80
	black			22302830-00		
<b>LED</b>	white	10,00	22302810-39	<b>51</b>	3000K - 4948 lm - CRI>80	
	black			22302830-39		

**Diffuser:** in polycarbonate.

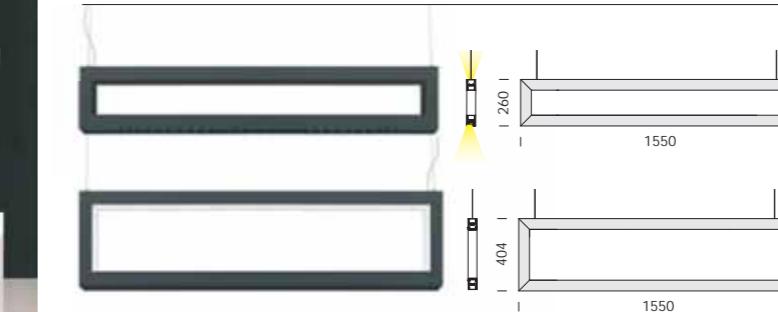
**Comfort optics:** in black anti-glare polycarbonate (white colour version is available upon request).

### Liset 2.0 Ring - C 4M

LED	housing	CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)		
		L (mm)	weight	code	W tot	K - olm - CRI
<b>LED</b>	white	990	11,50	22302910-00	<b>55</b>	4000K - 6320 lm - CRI>80
	black			22302930-00		
<b>LED</b>	white	11,50	22302910-39	<b>55</b>	3000K - 5878 lm - CRI>80	
	black			22302930-39		

**Comfort optics:** in black anti-glare polycarbonate (white colour version is available upon request).

## Liset 2.0 - special 'light blade' compositions



Other size on request



## Themis

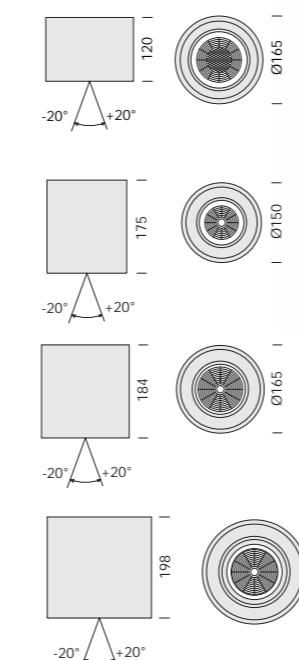
**Lens:** faceted, with high efficiency output and very low glare rate.

**Reflector:** high-efficiency metallised polycarbonate.

**LED:** power factor  $\geq 0,9$ . Photobiological safety class: exempt group.

## Themis

IP20 IK07



3000K

4000K

CRI  
85

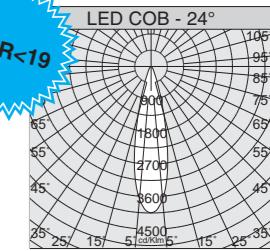
CRI  
>90

50.000h  
L80B20

### Themis L165 - adjustable with lens

LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code			
<b>COB</b>	white	1,00	22071310-00	22071310-1241		<b>25</b>	3000K - 2442 lm - CRI 85 - 24°
	grey		22071370-00	22071370-1241			
<b>COB</b>	white	1,00	22071310-68	22071310-6841		<b>25</b>	4000K - 2613 lm - CRI 85 - 24°
	grey		22071370-68	22071370-6841			

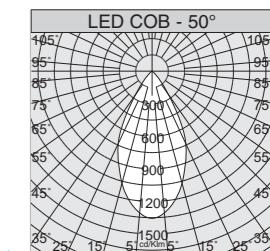
UGR<19



### Themis R150 - adjustable with optic

LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code			
<b>COB</b>	white	0,90	22071010-00	22071010-1241		<b>24</b>	3000K - 1819 lm - CRI>90 - 50°
	grey		22071070-00	22071070-1241			
<b>COB</b>	white	0,90	22071010-68	22071010-6841		<b>24</b>	4000K - 1946 lm - CRI>90 - 50°
	grey		22071070-68	22071070-6841			

UGR<19



### Themis R165 - adjustable with optic

LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code			
<b>COB</b>	white	1,20	22071110-00	22071110-1241		<b>33</b>	3000K - 2515 lm - CRI>90 - 38°
	grey		22071170-00	22071170-1241			
<b>COB</b>	white	1,20	22071110-68	22071110-6841		<b>33</b>	4000K - 2691 lm - CRI>90 - 38°
	grey		22071170-68	22071170-6841			

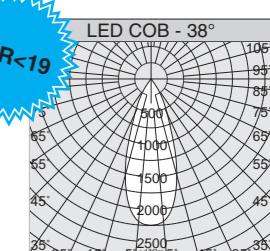
UGR<19

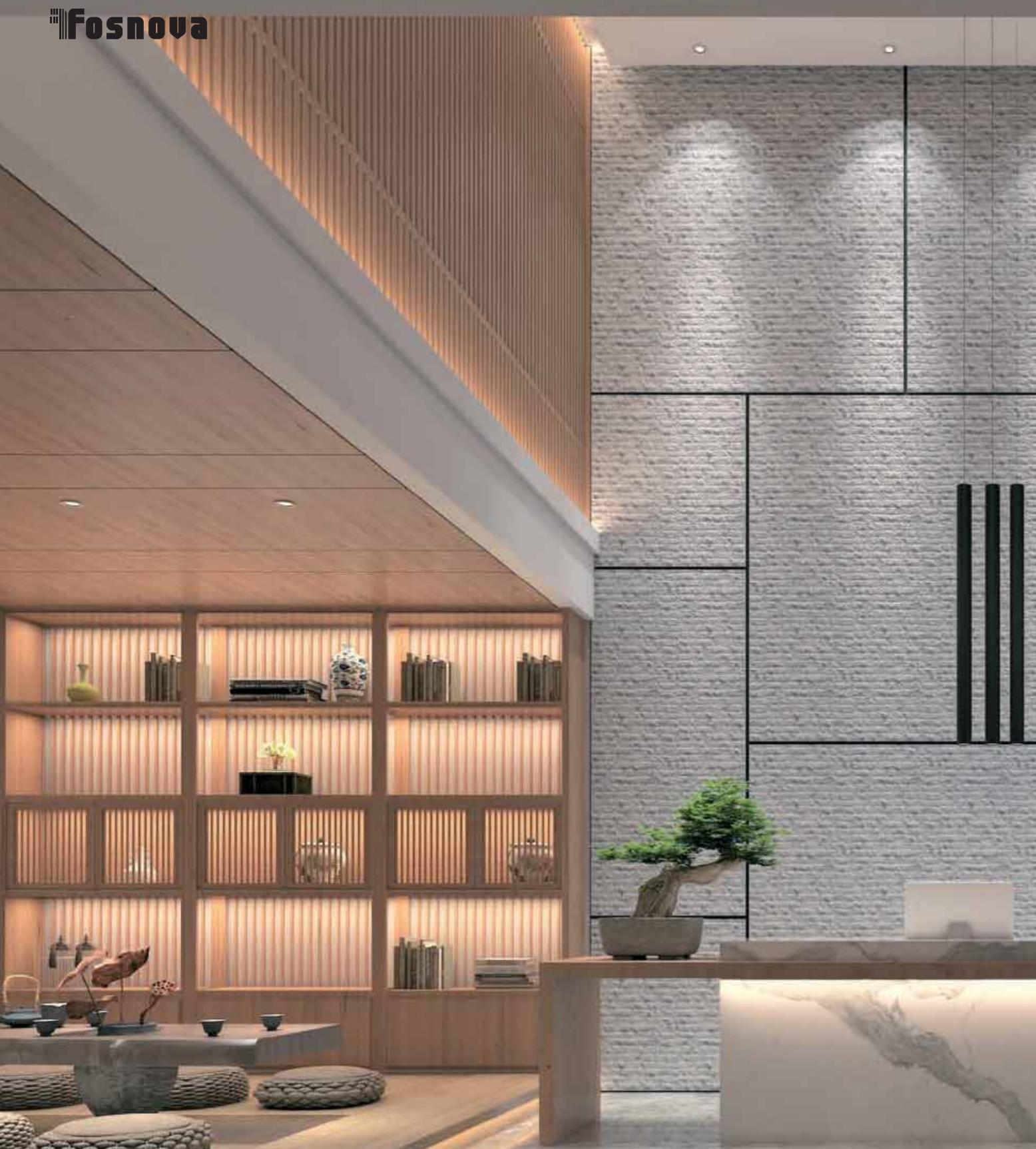


### Themis R195 - adjustable with optic

LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code			
<b>COB</b>	white	1,60	22071210-00	22071210-1241		<b>40</b>	3000K - 3100 lm - CRI>90 - 38°
	grey		22071270-00	22071270-1241			
<b>COB</b>	white	1,60	22071210-68	22071210-6841		<b>40</b>	4000K - 3300 lm - CRI>90 - 38°
	grey		22071270-68	22071270-6841			

UGR<19





## Strip LED

**Strip LED:** 24 V constant voltage stripe, ideal for application on aluminum extrusions but also for various decorative lighting applications such as cove lighting, façade accent lighting etc.

### Features and benefits :

- Extremely narrow pitch distance enables short distance to diffuser and outstanding homogeneity
- High design freedom due to 5 cm cut-options
- Self-adhesive 3M tape at the backside for simple mounting on different surfaces
- PCB to PCB and wire to PCB connectors for toolless handling and connection
- Small colour tolerance (MacAdam 3)
- System solution in combination with constant voltage LED Driver (fixed output and dimmable)
- Connector not included**

## Strip LED



24 V

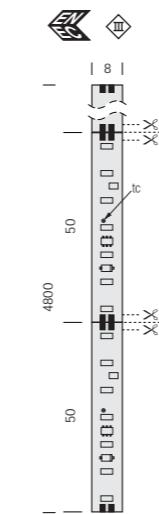
3000K

4000K

6500K

CRI  
>90

50.000h  
L80B20



Connector for connection of LED strip modules:  
white 22028110-00

Connector with wire.

Continuous line connector white 22028111-00

To connect Strip-LED in continuous line.

Corners connector 150x9,8x5,7 22028210-00

60x9,8x5,7 22028211-00

To connect Strip-LED to corners.

A Profile - angular

colour	L mm	S	code
nat. oxy.	2000	22012210-00	

B Profile - recessed

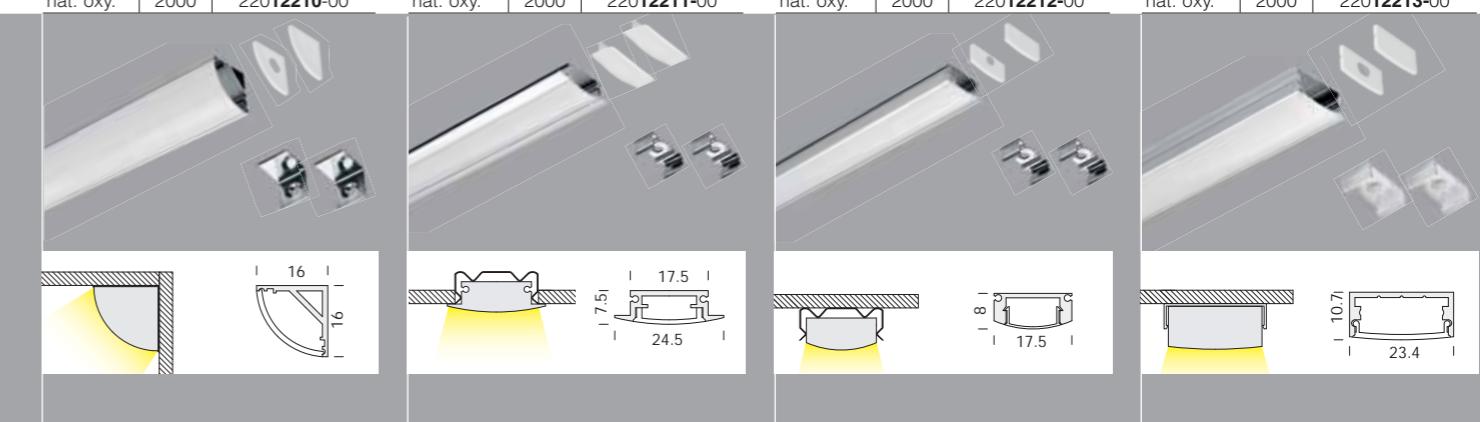
colour	L mm	S	code
nat. oxy.	2000	22012211-00	

C Profile

colour	L mm	S	code
nat. oxy.	2000	22012212-00	

D Profile

colour	L mm	S	code
nat. oxy.	2000	22012213-00	





### Asso "B"

**Housing:** in die-cast aluminium.

**Reflector:** in die-cast polished aluminium, high efficiency and anti-glare.

**Standard supply:** supplied with universal adapter.

**Coating:** power-coated with a UV-resistant polyester epoxy paint.

**LED:** power factor >0.9. Photobiological safety class: exempt group.

### Asso "B"



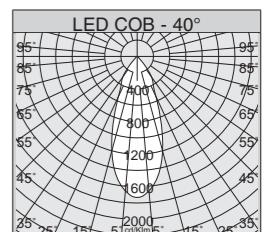
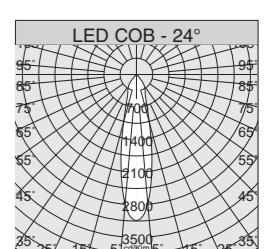
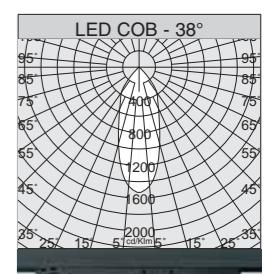
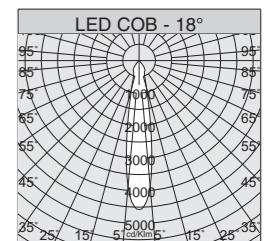
Asso "B" - small				
	CLD	CLD D-DALI		LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	K - ølm - CRI - degrees
<b>COB</b>	white	0,65	22040810-00 22040830-00	3000K - 1455lm - CRI>80 - 18°
<b>COB</b>	black	0,65	22040810-68 22040830-68	4000K - 1556lm - CRI>80 - 18°
<b>COB</b>	white	0,65	22040812-00 22040832-00	3000K - 1469lm - CRI>80 - 26°
<b>COB</b>	black	0,65	22040812-68 22040832-68	4000K - 1571lm - CRI>80 - 26°
<b>COB</b>	white	0,65	22040814-00 22040834-00	3000K - 1401lm - CRI>80 - 38°
<b>COB</b>	black	0,65	22040814-68 22040834-68	4000K - 1499lm - CRI>80 - 38°
<b>COB</b>	white	0,65	22040816-00 22040836-00	3000K - 1413lm - CRI>80 - 63°
<b>COB</b>	black	0,65	22040816-68 22040836-68	4000K - 1512lm - CRI>80 - 63°

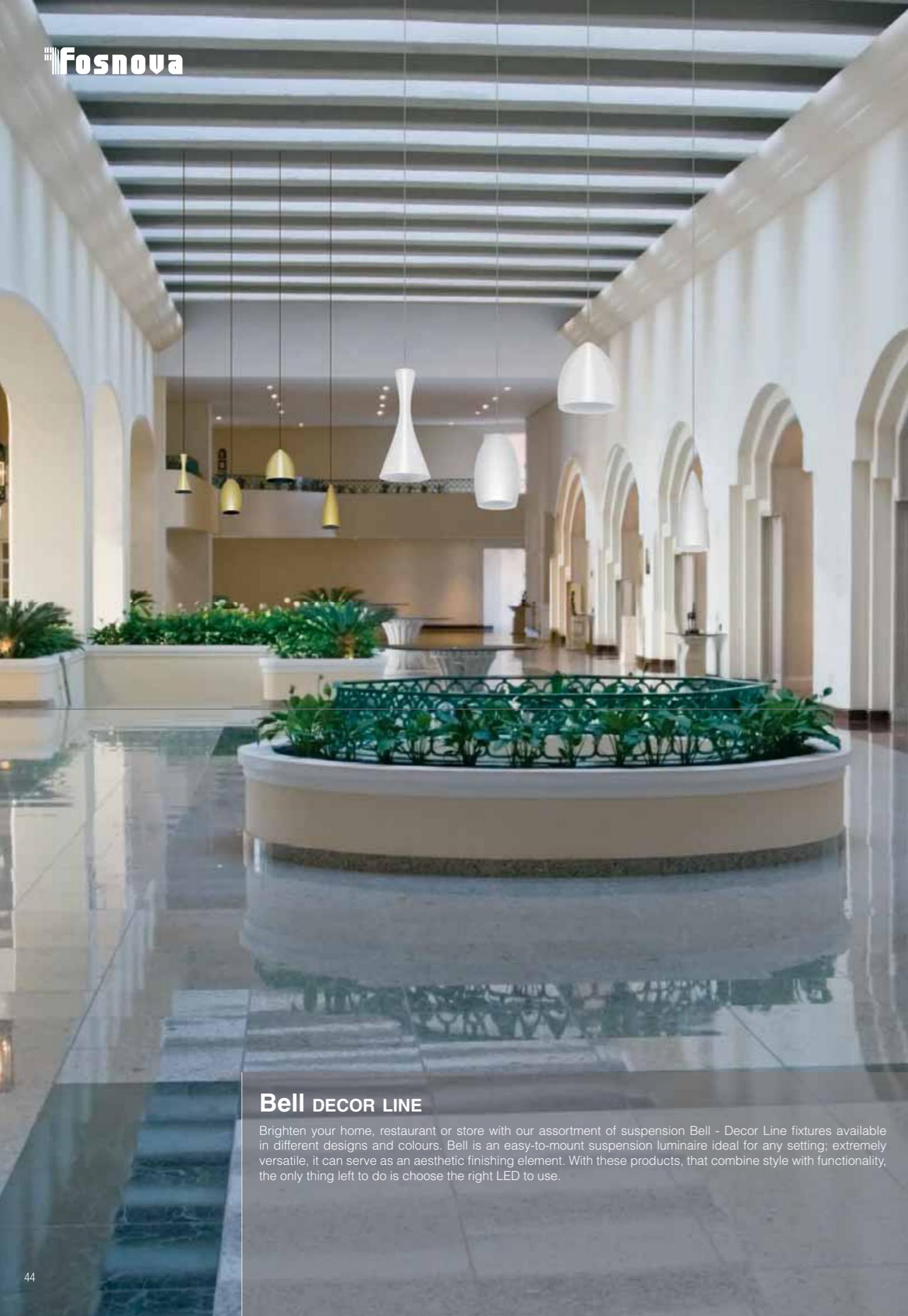
  

Asso "B" - medium				
	CLD	CLD D-DALI		LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	K - ølm - CRI - degrees
<b>COB</b>	white	0,80	22043310-00 22043330-00	3000K - 2371lm - CRI>80 - 27°
<b>COB</b>	black	0,80	22043310-68 22043330-68	4000K - 2537lm - CRI>80 - 27°
<b>COB</b>	white	0,80	22043312-00 22043332-00	3000K - 2390lm - CRI>80 - 32°
<b>COB</b>	black	0,80	22043312-68 22043332-68	4000K - 2557lm - CRI>80 - 32°
<b>COB</b>	white	0,80	22043314-00 22043334-00	3000K - 2441lm - CRI>80 - 50°
<b>COB</b>	black	0,80	22043314-68 22043334-68	4000K - 2611lm - CRI>80 - 50°

Asso "B" - big				
	CLD	CLD D-DALI		LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	K - ølm - CRI - degrees
<b>COB</b>	white	0,90	22043410-00 22043430-00	3000K - 2825lm - CRI>80 - 18°
<b>COB</b>	black	0,90	22043410-68 22043430-68	4000K - 3023lm - CRI>80 - 18°
<b>COB</b>	white	0,90	22043412-00 22043432-00	3000K - 2856lm - CRI>80 - 24°
<b>COB</b>	black	0,90	22043412-68 22043432-68	4000K - 3055lm - CRI>80 - 24°
<b>COB</b>	white	0,90	22043414-00 22043434-00	3000K - 2878lm - CRI>80 - 40°
<b>COB</b>	black	0,90	22043414-68 22043434-68	4000K - 3080lm - CRI>80 - 40°





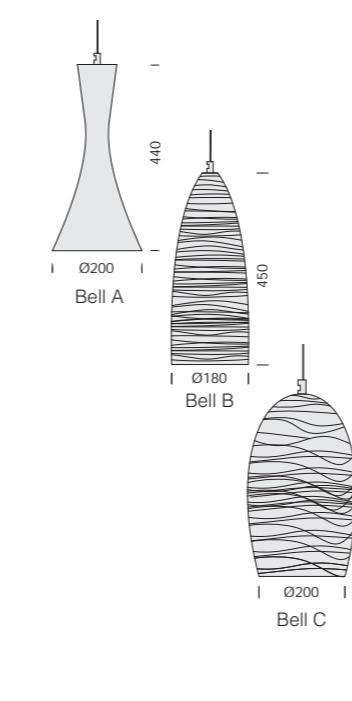
### Bell DECOR LINE

Brighten your home, restaurant or store with our assortment of suspension Bell - Decor Line fixtures available in different designs and colours. Bell is an easy-to-mount suspension luminaire ideal for any setting; extremely versatile, it can serve as an aesthetic finishing element. With these products, that combine style with functionality, the only thing left to do is choose the right LED to use.

### Bell DECOR LINE



IP20 IK07 ▽



**Bell A - DECOR LINE - suspension**

S	
230V	colour
LED	gold
	white
E27	code
	22222690-00
	22222661-00

**Bell B - DECOR LINE - suspension**

S	
230V	colour
LED	gold
	white
E27	code
	22222790-00
	22222710-00

**Bell C - DECOR LINE - suspension**

S	
230V	colour
LED	gold
	white
E27	code
	22222890-00
	22222881-00

**Bell D - DECOR LINE - suspension**

S	
230V	colour
LED	gold
	white
E27	code
	22222990-00
	22222991-00

**LED - E27**



- Incandescent-like colour, soft light in 2200K-2700K.
- Energy-saving, long life.
- Warm soft light in the same bulb shapes and sizes as incandescent fixtures.
- Mercury-free, in compliance with RoHS material restriction requirements.
- Applications: ideal for general ambient lighting in offices, conference rooms, restaurants, coffee shops, super markets, hotels and homes.





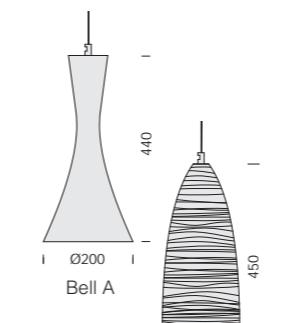
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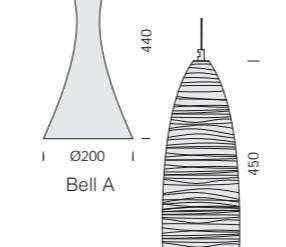
### Bell DECOR LINE



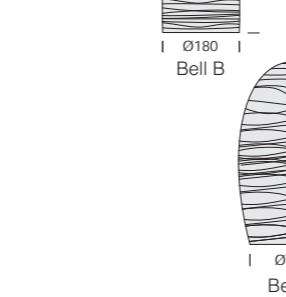
IP20 IK07 ▽



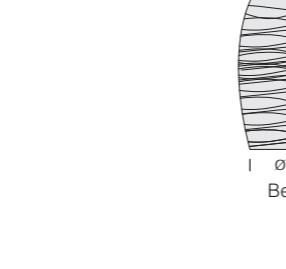
Bell A  
Ø200  
440



Bell B  
Ø180  
450



Bell C  
Ø200  
400



Bell D  
Ø300  
330

#### Bell A - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22222630-00

#### Bell B - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22222730-00

#### Bell C - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22222830-00

Sur demande : version de couleur blanche.

#### Bell D - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22222930-00

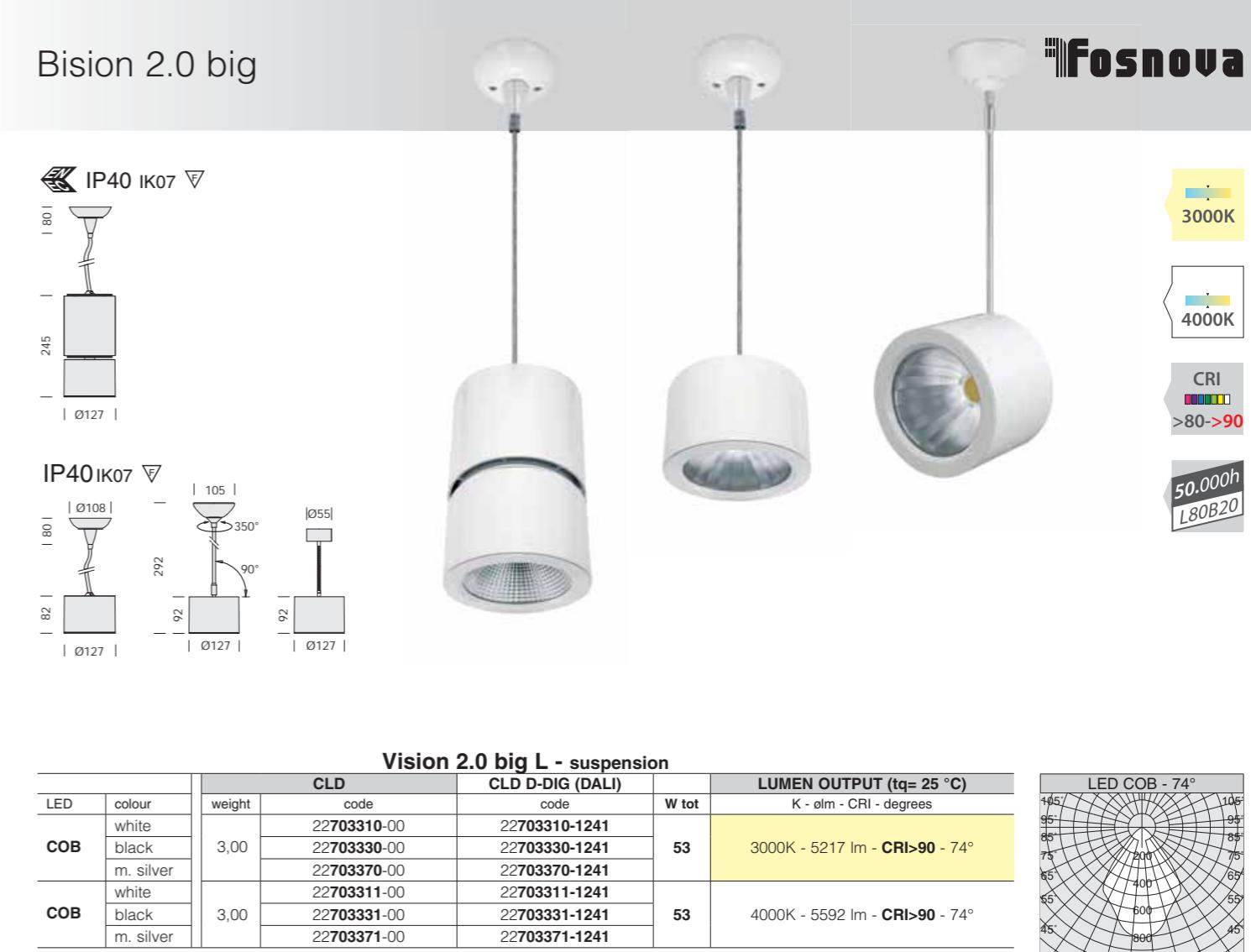
#### LED - E27



- Incandescent-like colour, soft light in 2200K-2700K.
- Energy-saving, long life.
- Warm soft light in the same bulb shapes and sizes as incandescent fixtures.
- Mercury-free, in compliance with RoHS material restriction requirements.
- Applications: ideal for general ambient lighting in offices, conference rooms, restaurants, coffee shops, super markets, hotels and homes.



## Bision 2.0 big



**Vision 2.0 big - suspension - 230V**

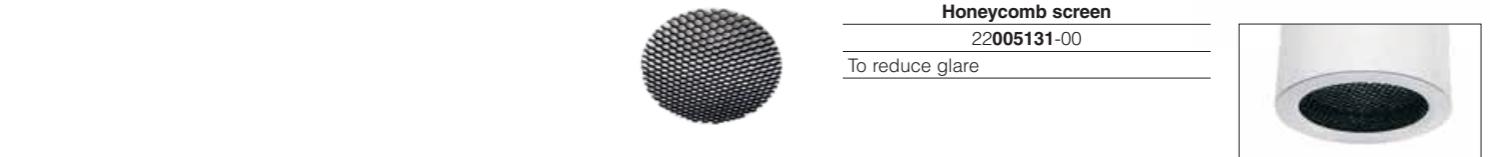
230V	colour	CLD		<b>LUMEN OUTPUT (tq= 25 °C)</b>
		weight	code	
<b>COB</b>	white	22703312-00	<b>30</b>	3000K - 2012lm - CRI>80 - 76°
	black	22703332-00		
	m. silver	22703372-00		
<b>COB</b>	white	22703313-00	<b>30</b>	4000K - 2153lm - CRI>80 - 76°
	black	22703333-00		
	m. silver	22703373-00		

**Vision 2.0 big - base with TIGES - 230V**

230V	colour	CLD		<b>LUMEN OUTPUT (tq= 25 °C)</b>
		weight	code	
<b>COB</b>	white	22803210-00	<b>30</b>	3000K - 2012lm - CRI>80 - 76°
	black	22803230-00		
	m. silver	22803270-00		
<b>COB</b>	white	22803210-68	<b>30</b>	4000K - 2153lm - CRI>80 - 76°
	black	22803230-68		
	m. silver	22803270-68		

**Vision 2.0 big - base with Flex tube - 230V**

230V	colour	CLD		<b>LUMEN OUTPUT (tq= 25 °C)</b>
		weight	code	
<b>COB</b>	white	22803710-00	<b>30</b>	3000K - 2012lm - CRI>80 - 76°
	black	22803730-00		
	m. silver	22803770-00		
<b>COB</b>	white	22803710-68	<b>30</b>	4000K - 2153lm - CRI>80 - 76°
	black	22803730-68		
	m. silver	22803770-68		





## Venere

**External housing:** in semi-opal polyethylene.

**Internal reflector:** made of V2 shatterproof and self-extinguishing clear polycarbonate, with anti-glare micro frosted finish.

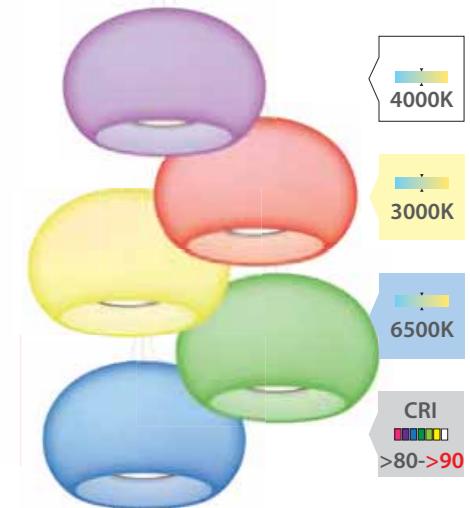
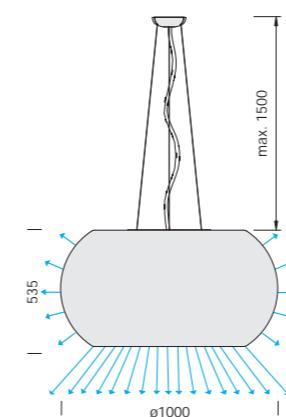
Prismatic on the inside for improved light control, UV stabilized. Scratch-resistant coating.

**Equipment:** can be fixed directly onto the ceiling.

**Available on request:** double socket-pin terminal block for dual switching.

## Venere

IP20 IK07 ▽



### Venere - LED + Strip LED white color changing

LED	colour	CLD-CASAMBI		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI
LED Bulb + LED Strip	white	15,00	22212911-00	65	LED Bulb 3000K - 1055 lm - CRI>80 3000K - 1650 lm - CRI>80 Strip LED 4000K - 1375 lm - CRI>80 6000K - 1350 lm - CRI>80
LED COB + LED Strip	white	15,00	22212712-00	94	LED COB 3000K - 5000 lm - <b>CRI&gt;90</b> 3000K - 1650 lm - CRI>80 4000K - 1375 lm - CRI>80 6000K - 1350 lm - CRI>80

### Venere - LED + LED RGBW

LED	colour	CLD-CASAMBI		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI
LED Bulb + LED RGBW	white	14,20	22212910-00	67	LED Bulb 3000K - 1055 lm - CRI>80 LED RGBW RGB+W (4000K- 1100 lm)
LED COB + LED RGBW	white	14,20	22212710-00	96	LED COB 3000K - 5000lm - <b>CRI&gt;90</b> LED RGBW RGB+W (4000K- 1100 lm)

*Casambi* is an advanced automation lighting control system, the simplest and natural way to control your own lamps. It is a **bluetooth low energy** (BLE). It is a bluetooth low energy (BLE) solution. BLE is a latest generation wireless technology and the only low-voltage wireless. Thanks to the intuitive simplicity of the app anyone can create and manage a lighting network singlehandedly by controlling every fixture individually or in groups depending on the needs and the functions required, using a smart phone or any other mobile device. *Casambi* technology can be integrated into luminaires, LED-drivers and even within LED-modules or bulbs, creating an optimal solution in terms of ease of installation and functionality with minimal additional hardware and deployment costs.

#### SMART

The *Casambi* devices are smart on their own. All the intelligence is replicated in each node leaving no single point of failure. The system itself is in constant consensus based synchronisation.

#### CONNECTED

The *Casambi* devices are connected when needed. An Internet connection is not necessary for general operation and day to day functionality. Bluetooth Low Energy is already implemented in smartphones and tablets, so communication can be done without any additional gateways.

#### USER FRIENDLY

The system is intuitive. When connecting for the first time nodes are automatically pairing. The system can be used and modified by anyone, no commissioning experts are needed.

#### WIRELESS & BLUETOOTH LOW ENERGY

The *Casambi* network is based on the Bluetooth Low Energy protocol, which is the most energy efficient and future proof of wireless technologies. The low energy functionality of **BLE** allows developers to make products that run on small coincell batteries or energy-harvesting devices, making BLE the best protocol to be used in wireless lighting control applications.

#### NO GATEWAYS

BLE was built for Internet of Things (IoT) and has been implemented in all modern smartphones, tablets and even smart watches since the beginning of 2012. This means that no gateway modules or any kind of dongle is needed to control lighting via BLE, which makes a BLE-based lighting control solution more cost effective than solutions built on other wireless technologies.

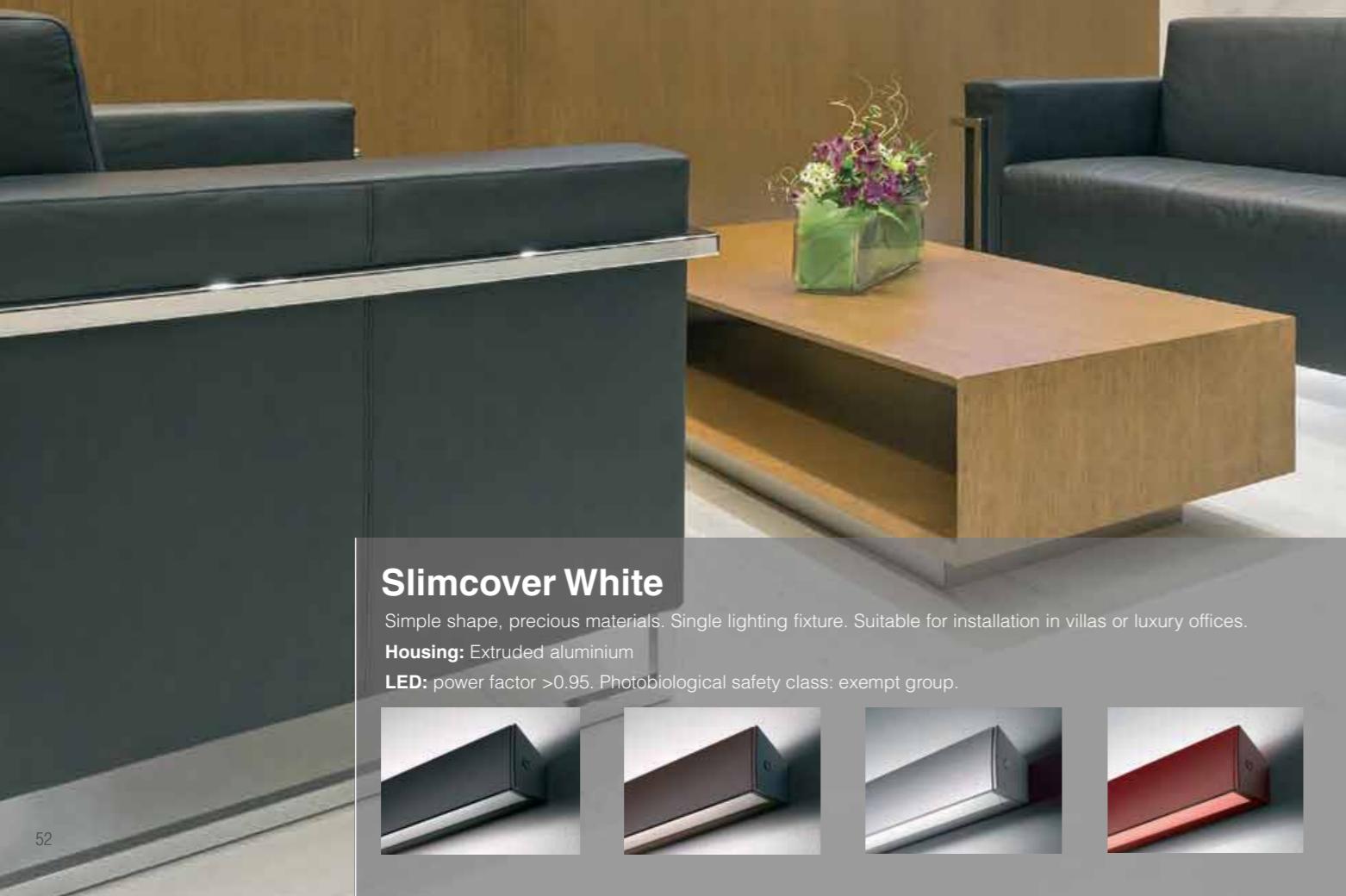
#### NETWORK STRUCTURE

The *Casambi* solution is based on a network structure. *Casambi* units are paired to networks. 127 units can be paired to one network. All the units that are physically in the same area, that the user want to access at the same time or that should have the same functionality at the same time should be paired to the same network. A network should cover an area that all the users in that area are allowed to control as the access rights are defined per whole network.

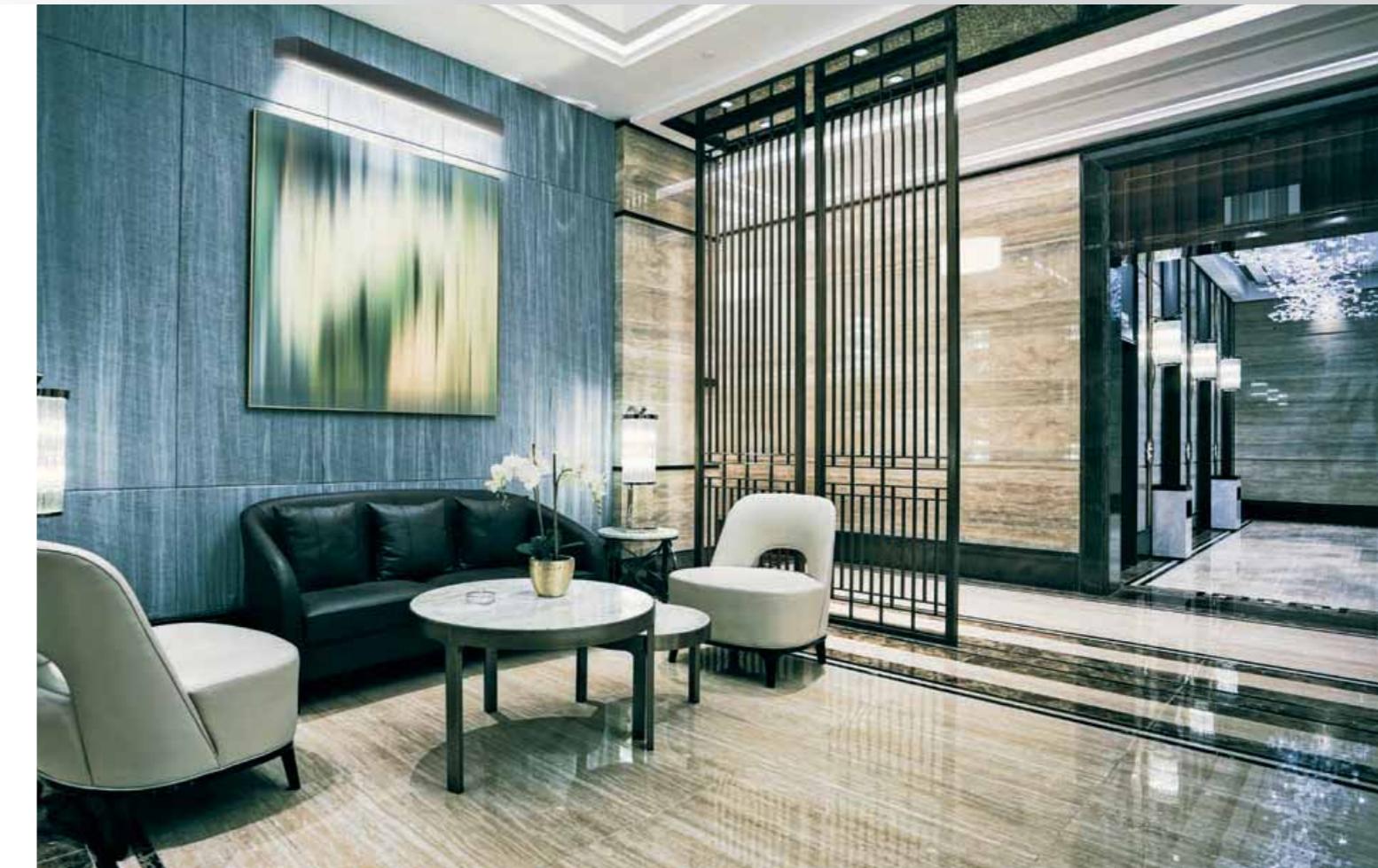
#### COMMUNICATION

All *Casambi* units form a wireless mesh network. The mesh network contains an algorithm that drives towards a consensus state between each participant. Once consensus is reached the communication will stop. If a unit goes offline it is no longer considered to be part of the consensus group but once it comes back online it will join the group again and catch up with others. In this way the *cassambi* network is more like a consensus based synchronization engine, rather than a classic mesh network. The communication range between two *Casambi* units is highly dependent on the surrounding and obstacles, such as walls and building materials. In indoor environments the range can be up to 30 m and in outdoor conditions up to 50 m. It is recommended to make communication tests in environments with a lot of signal disturbing materials. Longer ranges can be achieved by using multiple *Casambi* units. It is also important to consider that in the majority of applications either the user with a smart device or adjacent luminaires containing *Casambi* units are only ever 5 to 10 meters away from each other to provide excellent reliability in the communication network.

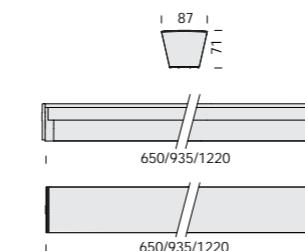




Slimcover White



IP40 IK07 ▽



3000K

CRI  
->80

50.000h  
L80B20

**Slimcover White**

LED (700mA)	colour	CLD (ON-OFF)	CLDD-E (1h)	CLD D-DIG (DALI)	W tot	LUMEN OUTPUT (tq= 25 °C)
		code	code	code		
LED 4 modules	white	22183710-00		22183710-1241	27	3000K - 1856 lm - CRI>80
LED 6 modules		22183810-00		22183810-1241	41	3000K - 2784 lm - CRI>80
LED 8 modules		22183910-00	22183910-94	22183910-1241	55	3000K - 3713 lm - CRI>80



## Liset 2.0

**Liset 2.0** is a linear and modular lighting system that is easily customisable and capable of offering a series of lighting solutions in any setting, including retailing, artistic and cultural spaces or in entrance lobbies and/or hospitality facilities. Compact, elegant, flexible and small, **Liset 2.0** is simple to install as a recessed, ceiling, suspension or track lamp. It is available in three versions: with dark light lamellar optics with URG<19, or with either white or black polycarbonate comfort optics and polycarbonate opal diffuser. The entire range has latest generation 4000K LED sources with 80 and 90 CRI, making these products easy to fit into any lighting design project.

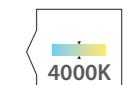
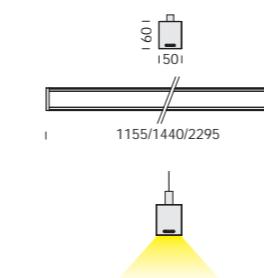
**Housing:** made of extruded aluminium.

**Heads:** in die cast aluminium.

**LED:** power factor: ≥0,92. Photobiological safety class: exempt group.

## Liset 2.0

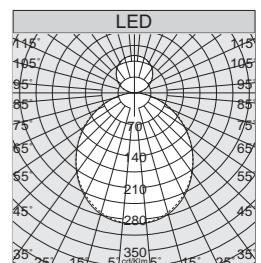
IP40 IK07 ▽



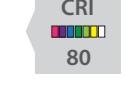
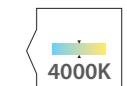
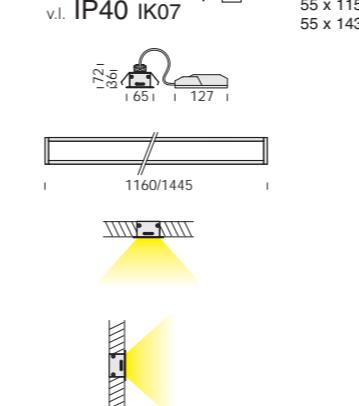
**Liset 2.0 - suspension - direct - with polycarbonate diffuser**

LED	colour	CLD (ON-OFF)		CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	code	W tot	K - ølm - CRI
<b>LED 4 modules</b>	white	22302208-00	22302208-1241	<b>28</b>	4000K - 2530 lm - CRI>80		
	black	22302238-00	22302238-1241				
<b>LED 5 modules</b>	white	22302209-00	22302209-1241	<b>35</b>	4000K - 3163 lm - CRI>80		
	black	22302239-00	22302239-1241				
<b>LED 8 modules</b>	white	22302210-00	22302210-1241	<b>55</b>	4000K - 5060 lm - CRI>80		
	black	22302230-00	22302230-1241				

**On request:** available 3000K version with sub-code **-39**. Pass-through wiring for continuous line mounting with subcode **-0072**.

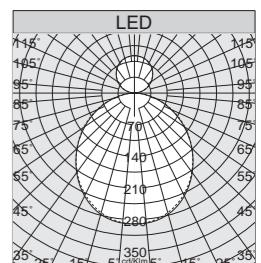


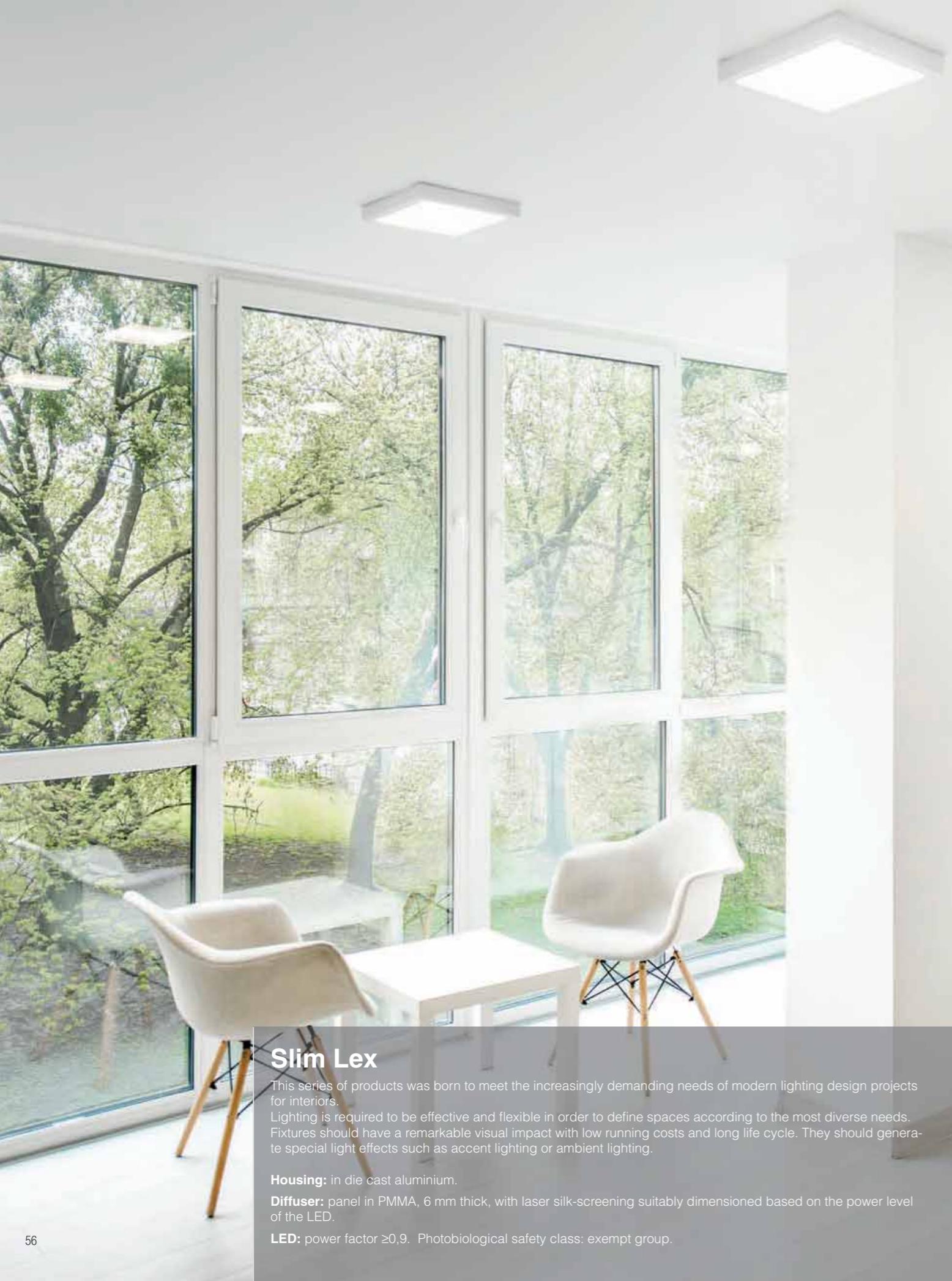
v.a. IP20 IK07 ▽ □  
v.l. IP40 IK07



**Liset 2.0 - recessed - with polycarbonate diffuser**

LED	colour	CLD (ON-OFF)		CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	code	W tot	K - ølm - CRI
<b>LED 4 modules</b>	white	22302201-00	22302201-1241	<b>28</b>	4000K - 2530 lm - CRI>80		
	black	22302201-39	22302201-3941				
<b>LED 5 modules</b>	white	22302202-00	22302202-1241	<b>35</b>	4000K - 3163 lm - CRI>80		
	black	22302202-39	22302202-3941				





### Slim Lex

This series of products was born to meet the increasingly demanding needs of modern lighting design projects for interiors.

Lighting is required to be effective and flexible in order to define spaces according to the most diverse needs. Fixtures should have a remarkable visual impact with low running costs and long life cycle. They should generate special light effects such as accent lighting or ambient lighting.

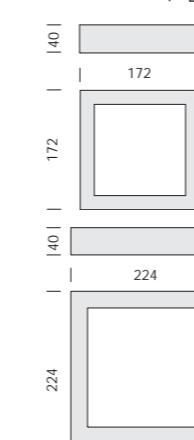
**Housing:** in die cast aluminium.

**Diffuser:** panel in PMMA, 6 mm thick, with laser silk-screening suitably dimensioned based on the power level of the LED.

**LED:** power factor ≥0,9. Photobiological safety class: exempt group.

### Slim Lex

IP40 IK07 ▽ □



4000K

3000K

CRI  
≥80

25.000h  
L70B50

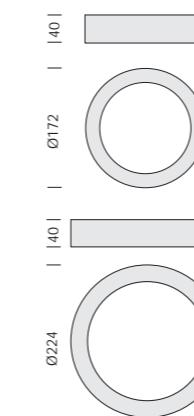
#### Slim Lex 5 small

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ø lm - CRI
LED	white	0,60	22169414-00	12	4000K - 900 lm - CRI>80
			22169413-00		3000K - 837 lm - CRI>80

#### Slim Lex 5

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ø lm - CRI
LED	white	0,70	22169411-00	18	4000K - 1350 lm - CRI>80
			22169410-00		3000K - 1256 lm - CRI>80
<b>CLD-E (1h)</b>					
LED	white	0,70	22169411-09	18	4000K - 1350 lm - CRI>80
			22169410-09		3000K - 1256 lm - CRI>80
<b>CLD-E (3h)</b>					
LED	white	0,70	22169411-0957	18	4000K - 1350 lm - CRI>80
			22169410-0957		3000K - 1256 lm - CRI>80

IP40 IK07 □ ▽



4000K

3000K

CRI  
≥80

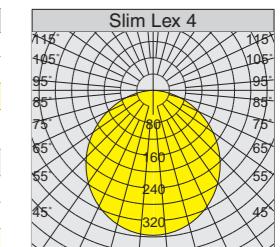
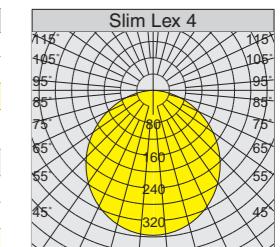
25.000h  
L70B50

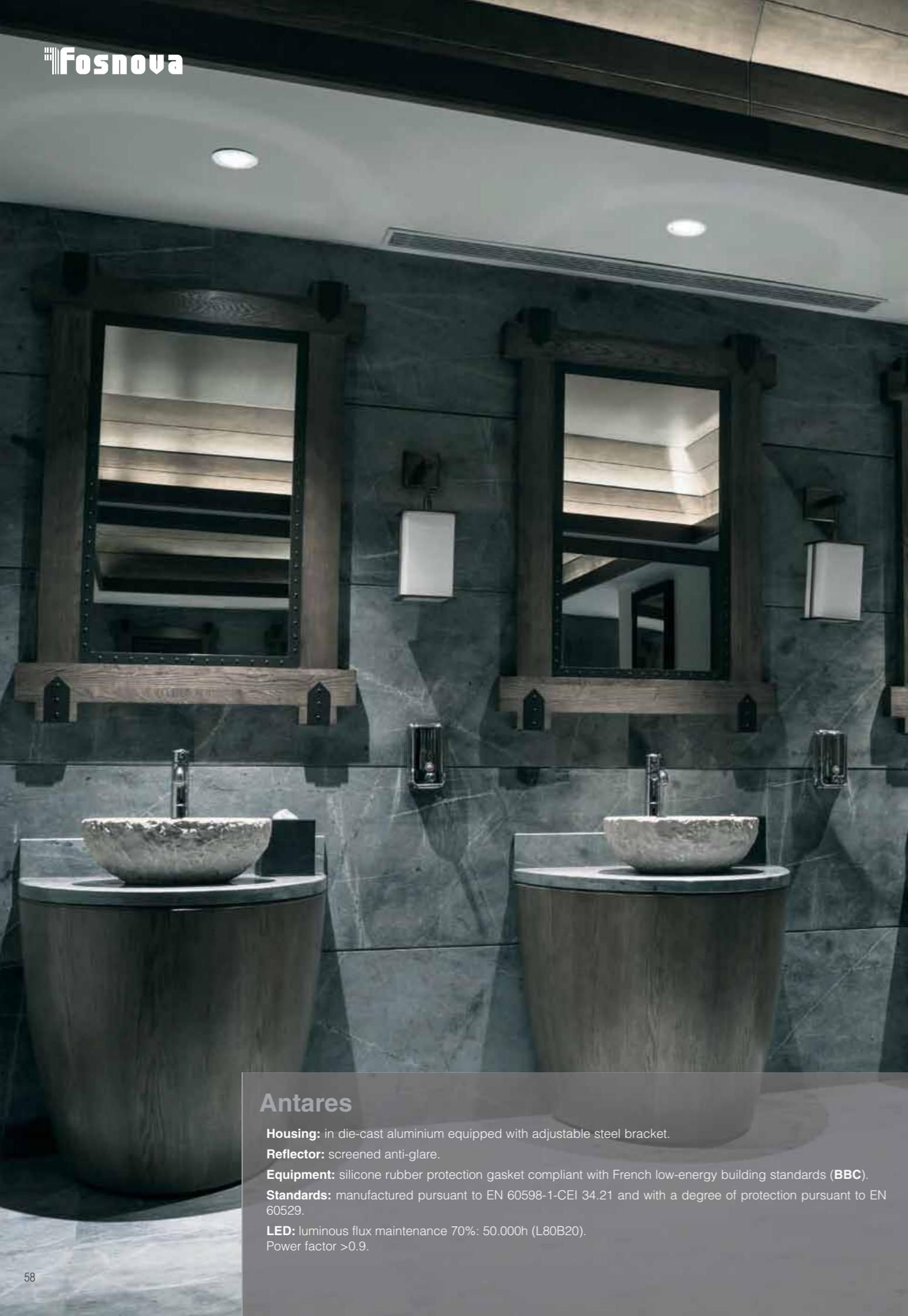
#### Slim Lex 4 small

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ø lm - CRI
LED	white	0,50	22169314-00	12	4000K - 1100 lm - CRI>80
			22169313-00		3000K - 1023 lm - CRI>80

#### Slim Lex 4

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ø lm - CRI
LED	white	0,70	22169310-00	18	4000K - 1800 lm - CRI>80
			22169311-00		3000K - 1674 lm - CRI>80
<b>CLD-E (1h)</b>					
LED	white	0,70	22169310-09	18	4000K - 1800 lm - CRI>80
			22169311-09		3000K - 1674 lm - CRI>80
<b>CLD-E (3h)</b>					
LED	white	0,70	22169310-0957	18	4000K - 1800 lm - CRI>80
			22169311-0957		3000K - 1674 lm - CRI>80





## Antares

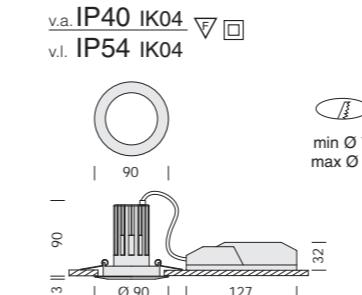
**Housing:** in die-cast aluminium equipped with adjustable steel bracket.

**Reflector:** screened anti-glare.

**Equipment:** silicone rubber protection gasket compliant with French low-energy building standards (BBC).

**Standards:** manufactured pursuant to EN 60598-1-CEI 34.21 and with a degree of protection pursuant to EN 60529.

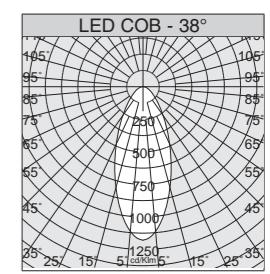
**LED:** luminous flux maintenance 70%: 50.000h (L80B20).  
Power factor >0.9.



On request:  
IP65 protection  
rating with  
silicone rubber  
gasket

## Antares

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		poids	code	W tot	K - olm - CRI - degrees
COB	white	0,30	22062410-00	10	3000K - 671 lm - CRI>90 - 38°
			22062411-00		4000K - 743 lm - CRI>92 - 38°



3000K

4000K

CRI  
>90

50.000h  
L80B20



## BoreaLED

Compact, clean-cut and easy-to-install lamp, even in continuous line, thanks to the supplied accessories. It is ideal for the general lighting of interiors (entrance halls, corridors, basements, stairways) and can be easily fitted under kitchen cabinets, above bathroom mirrors, inside wardrobes, walk-in closets, corridors, etc.

**Housing:** in polycarbonate.

**Diffusore:** in polycarbonate.

**Equipment:** complete with ON/OFF switch and power cable.

**LED:** Luminous flux maintenance 70%: 30.000h (L70B50).

## BoreaLED

IP20IK04 □ ▽



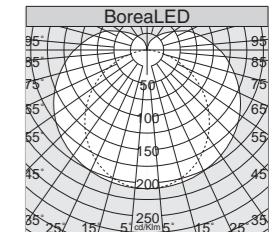
4000K

CRI  
>80

30.000h  
L70B50

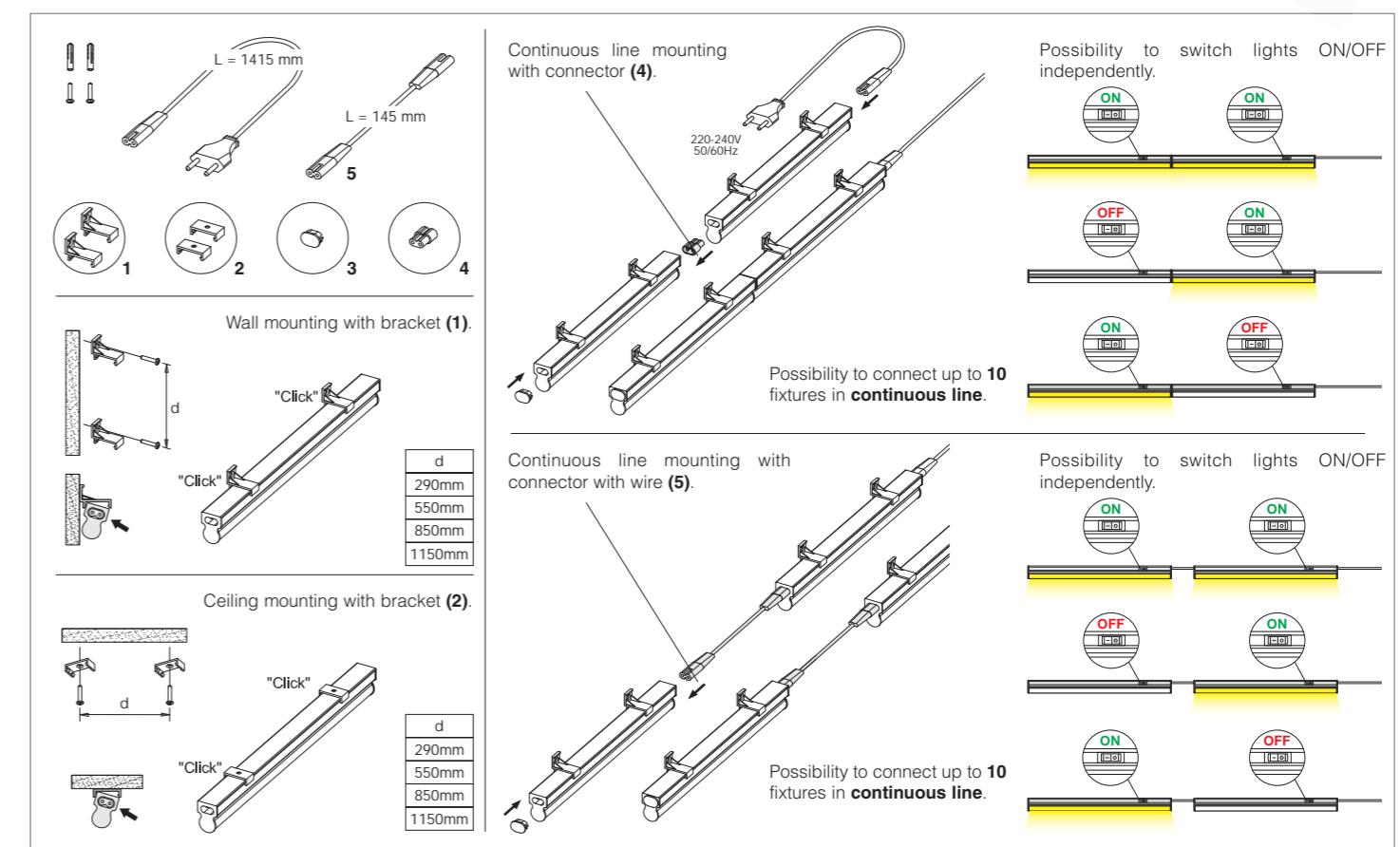
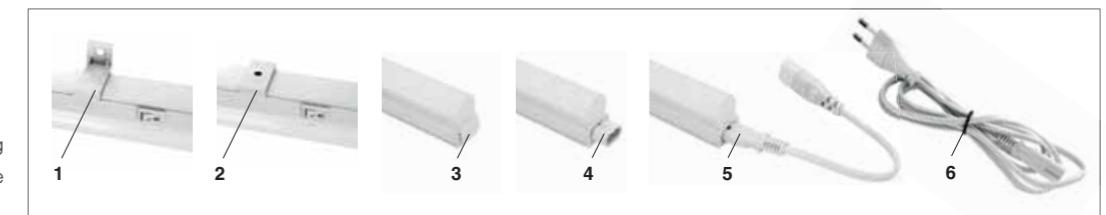
### BoreaLED

LED	colour	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	L mm	code		
<b>LED</b>	white	0.15	313	22321010-00	<b>4</b>	4000 K - 441 lm - CRI>80
				22321010-39		3000 K - 410 lm - CRI>80
<b>LED</b>	white	0.25	573	22321011-00	<b>8</b>	4000 K - 883 lm - CRI>80
				22321011-39		3000 K - 821 lm - CRI>80
<b>LED</b>	white	0.40	873	22321012-00	<b>11</b>	4000 K - 1215 lm - CRI>80
				22321012-39		3000 K - 1130 lm - CRI>80
<b>LED</b>	white	0.45	1173	22321013-00	<b>14</b>	4000 K - 1546 lm - CRI>80
				22321013-39		3000 K - 1438 lm - CRI>80



Other installation accessories included:

- 1) bracket for wall mounting
- 2) bracket for ceiling mounting
- 3) end cap
- 4) connector for continuous line mounting
- 5) connector with wire for continuous line mounting



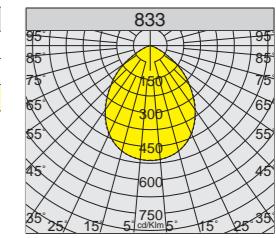


Cret

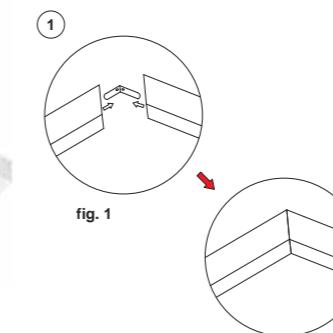


833 Creta - UGR<1

		CLD		CLD D-D (DALI)		LUMEN OUTPUT (tq = 25 °C)	
LED	colour	weight	L	code	code	W tot	K - ølm - CRI
<b>LED</b>	white	2.00	595	150240-00	150240-0041	<b>30</b>	4000K - 3966 lm - CRI>80
				150240-39	150240-3941		3000K - 3688 lm - CRI>80



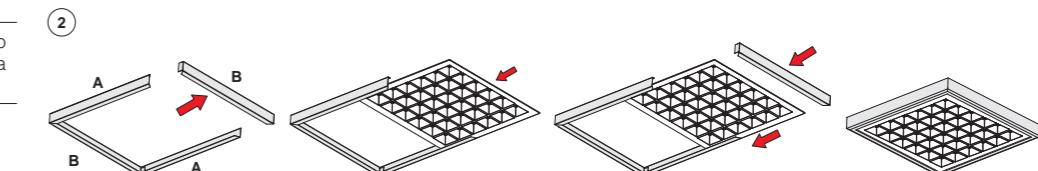
#### **CEILING MOUNTED INSTALLATION WITH ACC. 595 FRAME FOR Creta LED**



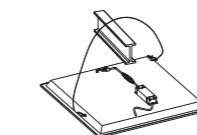
- 1) Assembly** the frame according to the following illustration (**fig.1**)

**2) Installation**

  - Drill 4 holes at marking position with expansion screws and self-tapping screws (not screw too tight).
  - Install the frame on the roof.
  - Move and fix the ceiling frame (lift to right, or right to left) through hardy hole.
  - Tighten self-tapping screws.
  - Open the frame **B** on one side, insert the panel into the frame, then seal the frame with tightening screws.

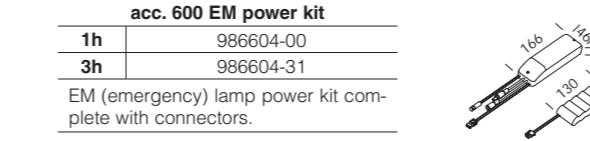


## — ACCESSORIES



acc. 320 safety corp

99



acc. 600 EM power K

1h 986604

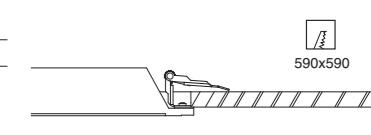
3H 986604-31  
M (emergency) lamp power kit as

acc. 907 springs

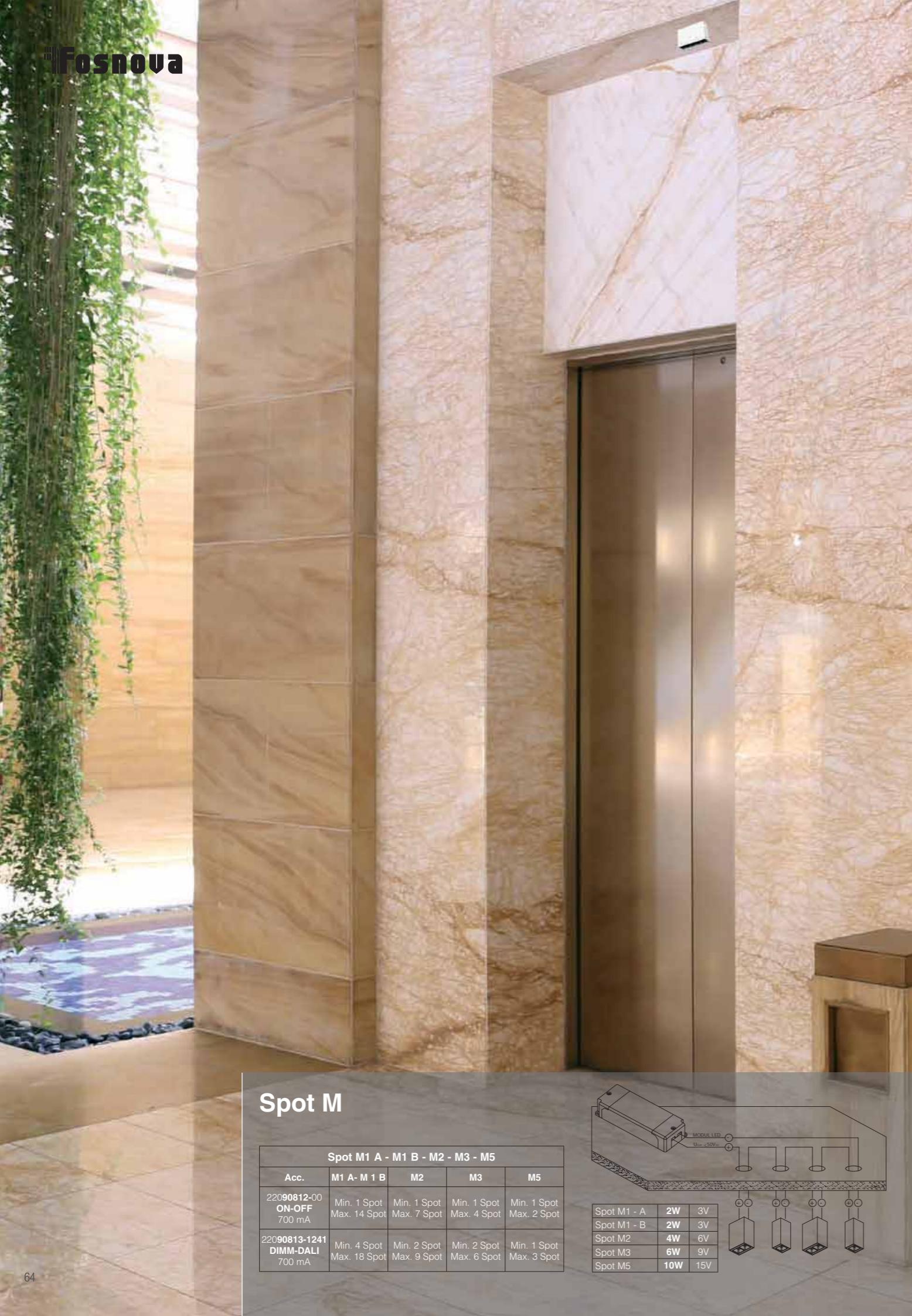
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99803

Spring for recessed non-surface mounting on plasterboard. Bag containing 4 pieces.

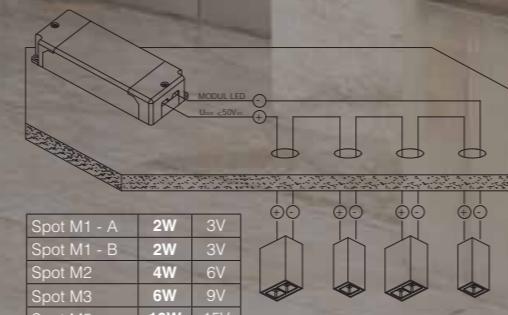


**Fosnova**

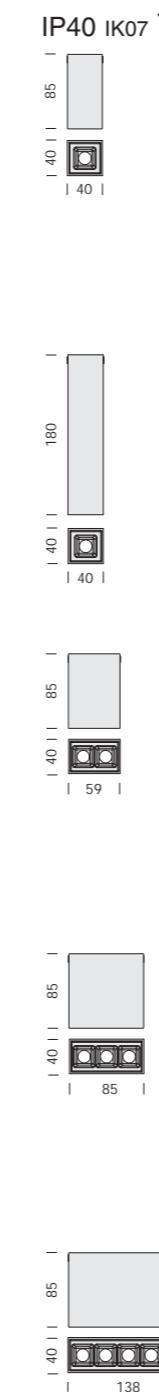


## Spot M

Spot M1 A - M1 B - M2 - M3 - M5				
Acc.	M1 A - M1 B	M2	M3	M5
22090812-00 ON-OFF 700 mA	Min. 1 Spot Max. 14 Spot	Min. 1 Spot Max. 7 Spot	Min. 1 Spot Max. 4 Spot	Min. 1 Spot Max. 2 Spot
22090813-1241 DIMM-DALI 700 mA	Min. 4 Spot Max. 18 Spot	Min. 2 Spot Max. 9 Spot	Min. 2 Spot Max. 6 Spot	Min. 1 Spot Max. 3 Spot



**IP40 IK07**



**UGR<19**

**3000K**

**4000K**

**CRI >90**

**50.000h L80B20**

### Spot M



#### Spot M1-A - ceiling - UGR<19

CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	W	K - ølm - CRI - degrees
code			4000K - 209 lm - CRI>90 - 20°
22510101-00	white	2	3000K - 194 lm - CRI>90 - 20°
22510101-39			

On request: 15°-30° version. Driver not included.

#### Spot M1-B - ceiling - UGR<19

CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	W	K - ølm - CRI - degrees
code			4000K - 209 lm - CRI>90 - 20°
22510104-00	white	2	3000K - 194 lm - CRI>90 - 20°
22510104-39			

On request: 15°-30° version. Driver not included.

#### Spot M2 - ceiling - UGR<19

CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	W	K - ølm - CRI - degrees
code			4000K - 380 lm - CRI>90 - 20°
22510102-00	white	4	3000K - 353 lm - CRI>90 - 20°
22510102-39			

On request: 15°-30° version. Driver not included.

#### Spot M3 - ceiling - UGR<19

CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	W	K - ølm - CRI - degrees
code			4000K - 570 lm - CRI>90 - 20°
22510103-00	white	6	3000K - 530 lm - CRI>90 - 20°
22510103-39			

On request: 15°-30° version. Driver not included.

#### Spot M5 - ceiling - UGR<19

CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	W	K - ølm - CRI - degrees
code			4000K - 1034 lm - CRI>90 - 20°
22510105-00	white	10	3000K - 962 lm - CRI>90 - 20°
22510105-39			

On request: 15°-30° version. Driver not included.

**Driver ON-OFF**  
white 22090812-00  
Min. 2V - Max 44V-30W (700mA).

**Driver DIMM-DALI**  
white 22090813-1241  
Min. 10V - Max 54V-38W (700mA).

**64**

★ ★ ★ ★  
Hotel  
★ ★ ★ ★

## Accommodation



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## iSpot Tech

**Housing:** made of die-cast aluminium.

**Reflector:** high-efficiency metallised polycarbonate.

**LED:** luminous flux maintenance 80% 50.000h (L80B20). Power factor >0.9.

## iSpot Architectural

**Housing:** made of die-cast aluminium.

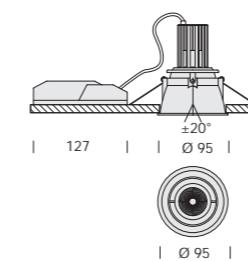
**Lens:** in PMMA with high efficiency output and very low glare rate.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9.

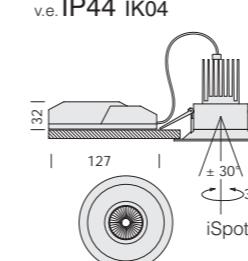


## iSpot Tech - iSpot Architectural

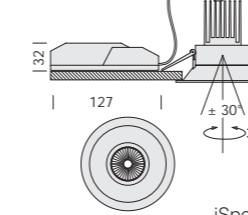
IP40 IK04 ▽ □



v.a. IP20 IK04 ▽ □



v.e. IP44 IK04



iSpot Architectural 2

iSpot Architectural 1

iSpot Tech

iSpot Tech



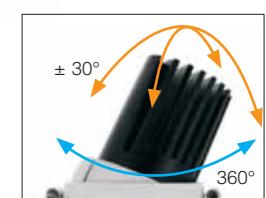
iSpot Tech



iSpot Architectural 1



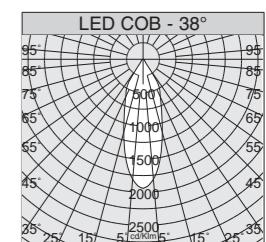
iSpot Architectural 2



iSpot Architectural 1-2

iSpot Tech 3

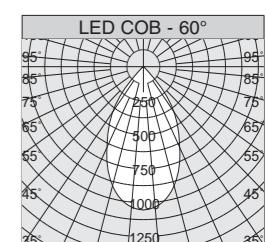
LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,30	22167210-00	10	3000K - 957 lm - <b>CRI 92 - 38°</b>
			22167211-00		4000K - 990 lm - <b>CRI 92 - 38°</b>



iSpot Architectural 1

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,30	22167310-00	10	3000K - 957 lm - <b>CRI 92 - 60°</b>
			22167311-00		4000K - 990 lm - <b>CRI 92 - 60°</b>

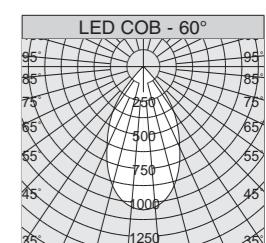
Universally applicable, suitable to replace downlights with cut out diameters ranging from 96mm to 100mm. **On request:** 15° - 38° version



iSpot Architectural 2

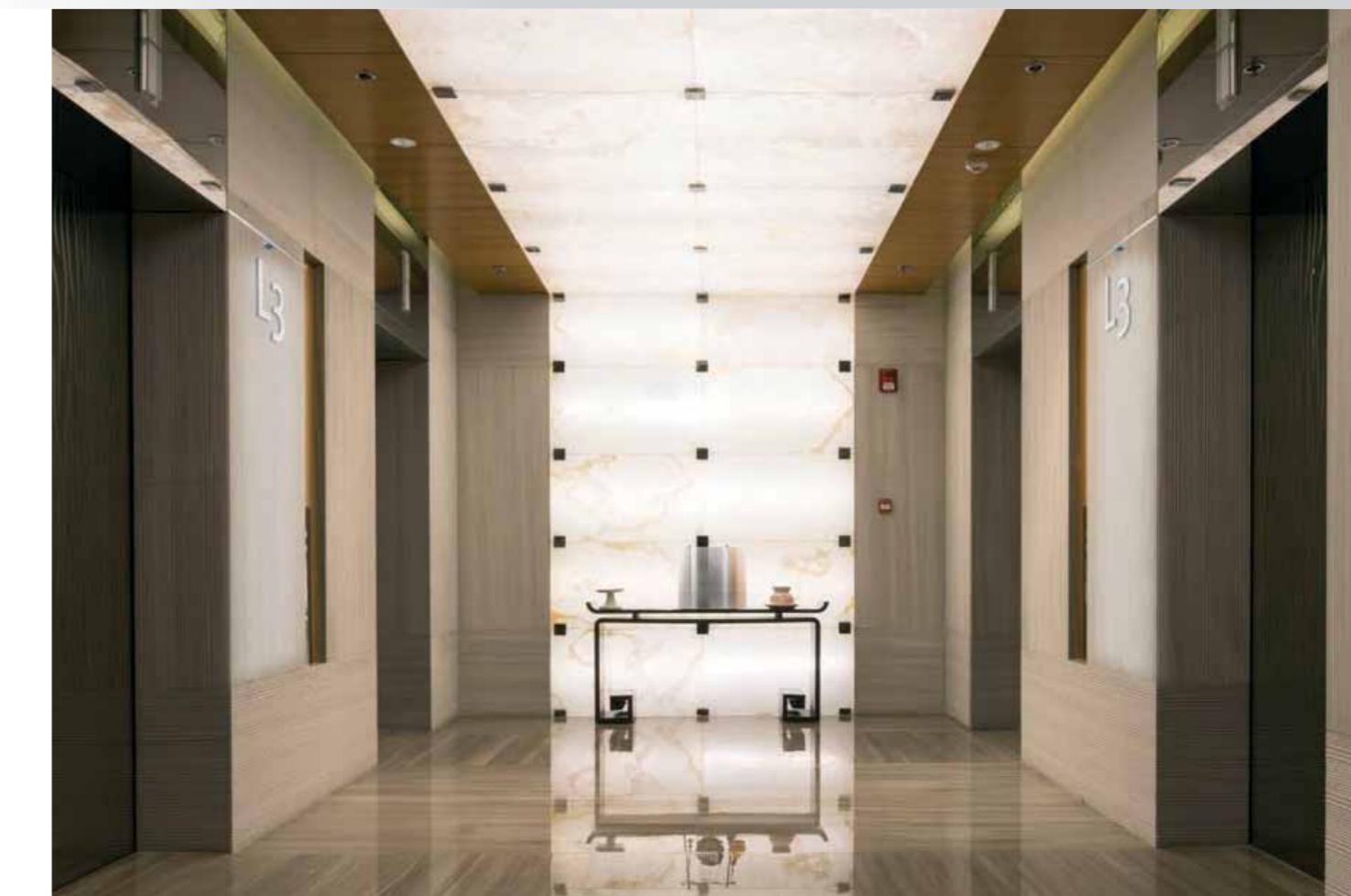
LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,30	22167410-00	10	3000K - 957 lm - <b>CRI 92 - 60°</b>
			22167411-00		4000K - 990 lm - <b>CRI 92 - 60°</b>

Universally applicable, suitable to replace downlights with cut out diameters ranging from 96mm to 100mm. **On request:** 15° - 38° version

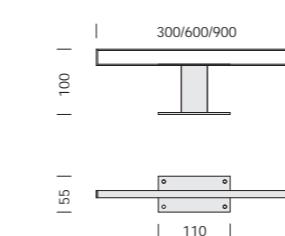




Roby



IP40 IK08 ▽

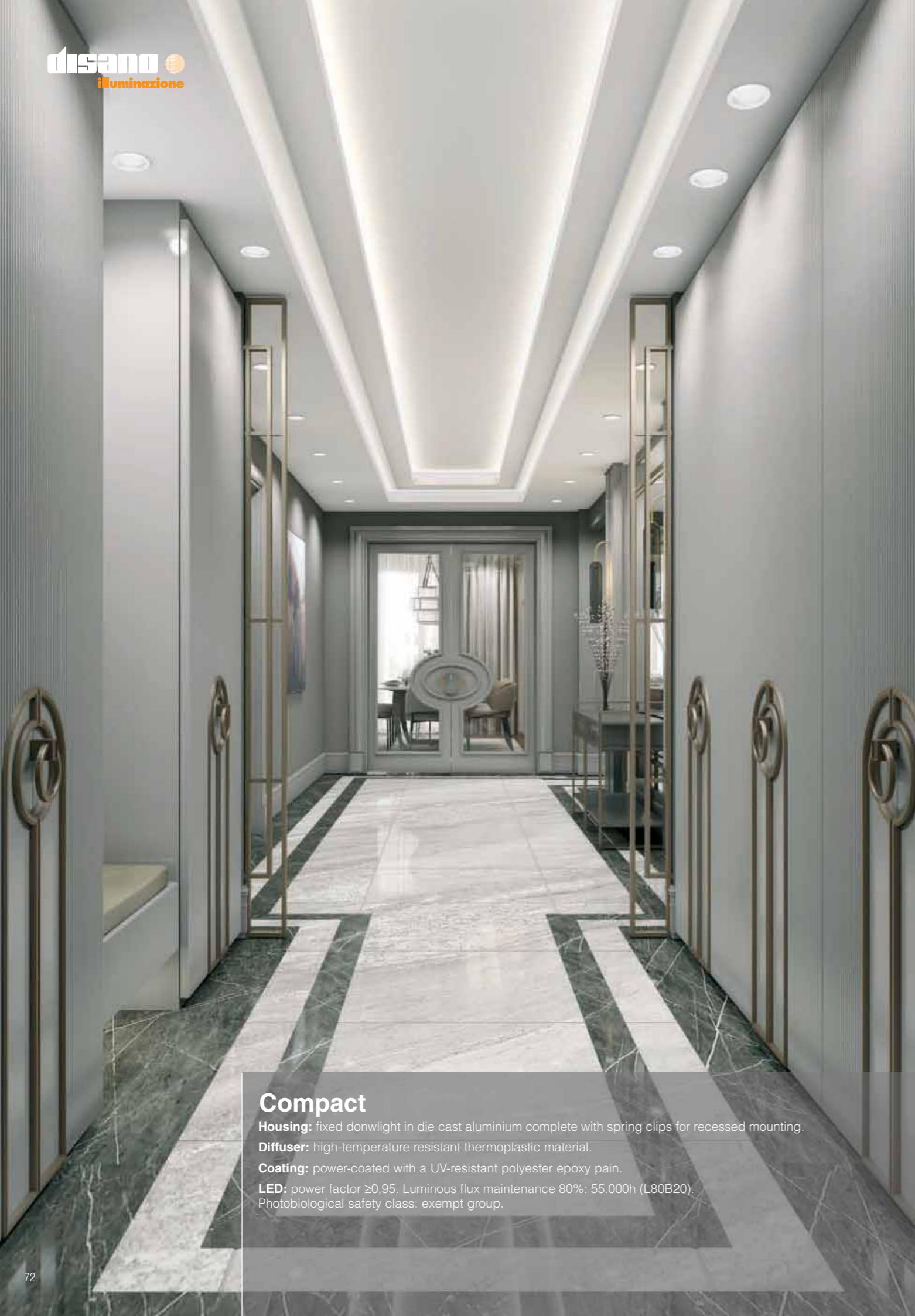


4000K

CRI  
>80

Roby

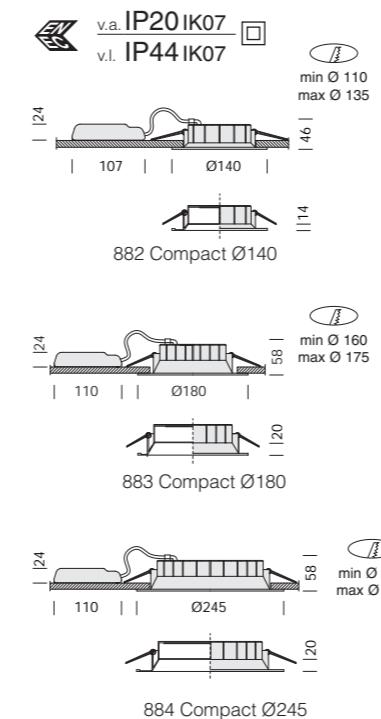
LED	colour	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	mm	code		
LED	chrome	0,80	300	22085760-00	4	4000K - 300 lm - CRI>80
		0,90	600	22085761-00	6	4000K - 500 lm - CRI>80
		1,00	900	22085762-00		



### Compact

**Housing:** fixed downlight in die cast aluminium complete with spring clips for recessed mounting.  
**Diffuser:** high-temperature resistant thermoplastic material.  
**Coating:** power-coated with a UV-resistant polyester epoxy paint.  
**LED:** power factor ≥0,95. Luminous flux maintenance 80%: 55.000h (L80B20).  
 Photobiological safety class: exempt group.

### Compact



882 Compact Ø140



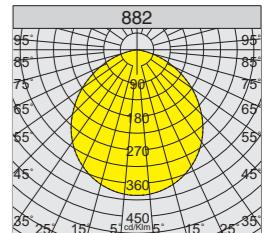
883 Compact Ø180



884 Compact Ø245

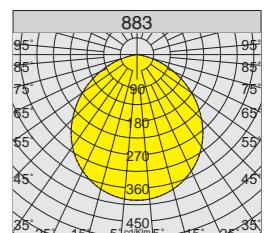
#### 882 Compact - Ø140

		CLD		LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	white	0.25	156405-00	11	4000K - 1279 lm - <b>CRI 95</b>
			156405-39		3000K - 1216 lm - <b>CRI 95</b>



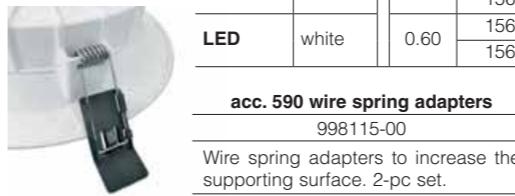
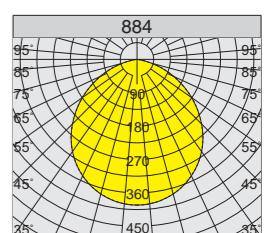
#### 883 Compact - Ø180

		CLD		LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	white	0.40	156415-00	14	4000K - 1777 lm - <b>CRI 95</b>
			156415-39		3000K - 1688 lm - <b>CRI 95</b>
LED	white	0.40	156416-00	19	4000K - 2182 lm - <b>CRI 95</b>
			156416-39		3000K - 2073 lm - <b>CRI 95</b>



#### 884 Compact - Ø245

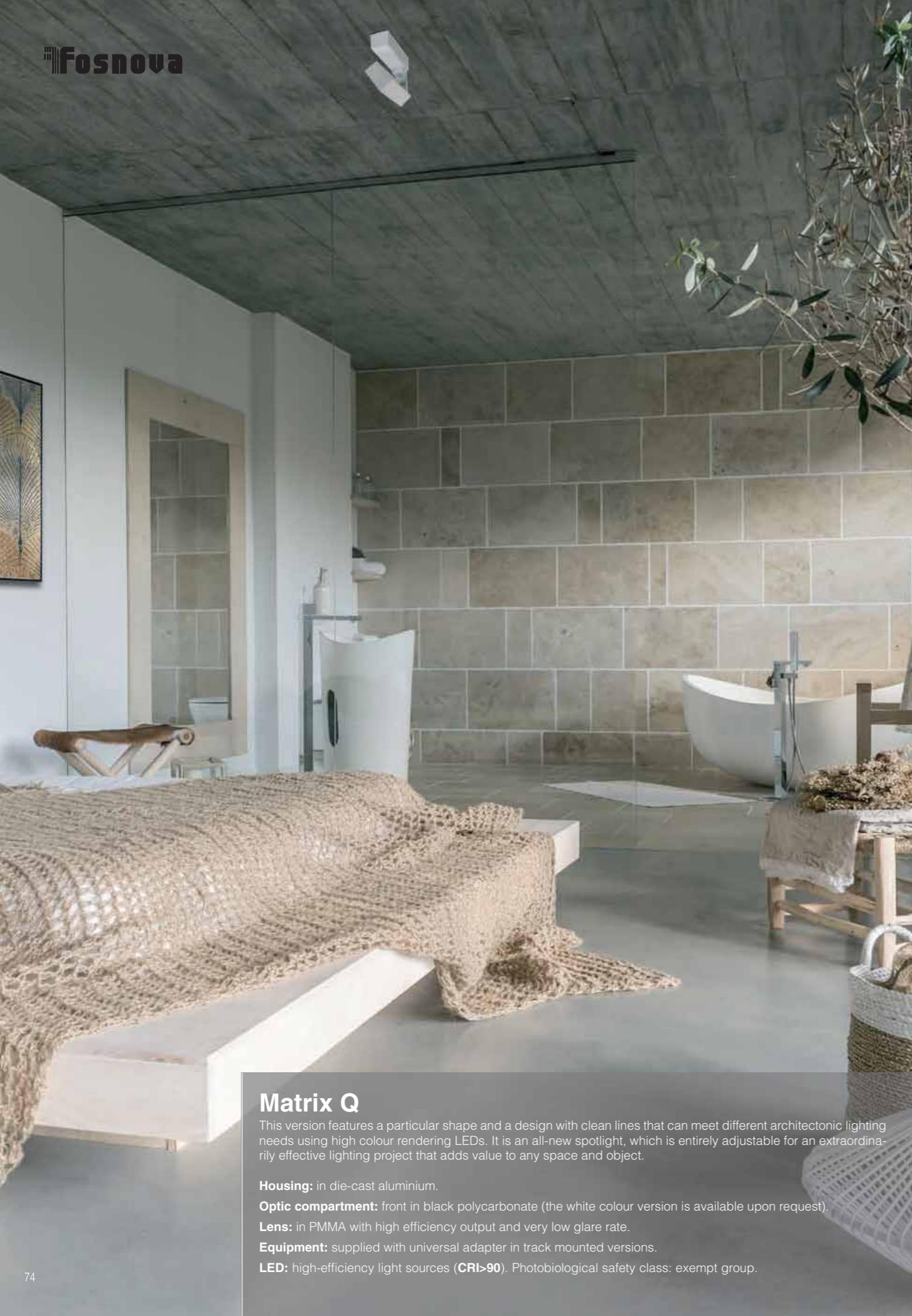
		CLD		LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	white	0.60	156424-00	19	4000K - 2316 lm - <b>CRI 95</b>
			156424-39		3000K - 2200 lm - <b>CRI 95</b>
LED	white	0.60	156425-00	25	4000K - 3245 lm - <b>CRI 95</b>
			156425-39		3000K - 3063 lm - <b>CRI 95</b>
LED	white	0.60	156427-00	29	4000K - 3665 lm - <b>CRI 95</b>
			156427-39		3000K - 3482 lm - <b>CRI 95</b>



acc. 590 wire spring adapters

998115-00

Wire spring adapters to increase the supporting surface. 2-pc set.



## Matrix Q

This version features a particular shape and a design with clean lines that can meet different architectonic lighting needs using high colour rendering LEDs. It is an all-new spotlight, which is entirely adjustable for an extraordinarily effective lighting project that adds value to any space and object.

**Housing:** in die-cast aluminium.

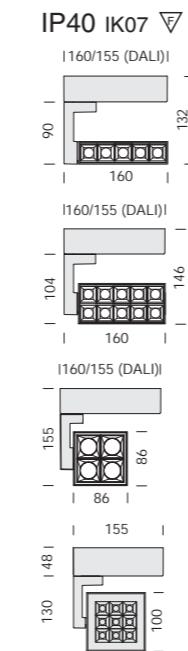
**Optic compartment:** front in black polycarbonate (the white colour version is available upon request).

**Lens:** in PMMA with high efficiency output and very low glare rate.

**Equipment:** supplied with universal adapter in track mounted versions.

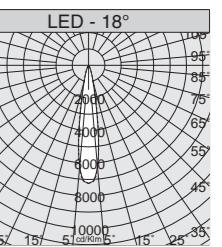
**LED:** high-efficiency light sources (**CRI>90**). Photobiological safety class: exempt group.

## Matrix Q



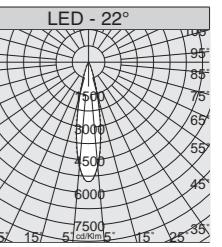
Matrix Q5 Dark "D" - base

LED colour	CLD		CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)	
	weight	code	code	W tot	K - ølm - CRI - degrees	
LED white	0,80	22203310-39	22203310-3941	12	3000K - 894 lm - CRI>90 - 18°	
		22203310-00	22203310-1241		4000K - 920 lm - CRI>90 - 18°	



Matrix Q10 Dark "D" - base

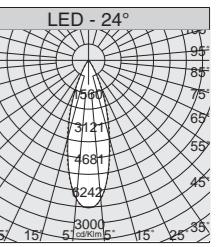
LED colour	CLD		CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)	
	weight	code	code	W tot	K - ølm - CRI - degrees	
LED white	0,90	22203610-39	22203610-3941	20	3000K - 1818 lm - CRI>90 - 22°	
		22203610-00	22203610-1241		4000K - 1873 lm - CRI>90 - 22°	



Matrix Q4 DARK "D" - base

LED colour	CLD		CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)	
	weight	code	code	W tot	K - ølm - CRI - degrees	
LED white	1,00	22203710-00	22203710-1241	19	4000K - 1202 lm - CRI>90 - 16°	
		22203710-39	22203710-3941		3000K - 1123 lm - CRI>90 - 16°	
LED white	1,00	22203711-00	22203711-1241	19	4000K - 1558 lm - CRI>90 - 24°	
		22203711-39	22203711-3941		3000K - 1456 lm - CRI>90 - 24°	
LED white	1,00	22203712-00	22203712-1241	19	4000K - 1652 lm - CRI>90 - 32°	
		22203712-39	22203712-3941		3000K - 1543 lm - CRI>90 - 32°	

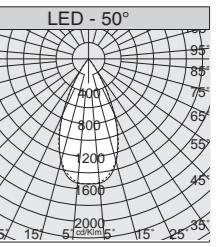
Upon request: CLD-D (1-10V) version.



Matrix Q9 DARK "D" - base

LED colour	CLD		CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)	
	weight	code	code	W tot	K - ølm - CRI - degrees	
LED white	1,10	22203011-00	22203011-1241	32	4000K - 2584 lm - CRI>90 - 32°	
		22203031-00	22203031-1241			
LED white	1,10	22203010-00	22203010-1241	32	3000K - 2403 lm - CRI>90 - 32°	
		22203030-00	22203030-1241			
LED white	1,10	22203013-00	22203013-1241	32	4000K - 2657 lm - CRI>90 - 38°	
		22203033-00	22203033-1241			
LED white	1,10	22203012-00	22203012-1241	32	3000K - 2471 lm - CRI>90 - 38°	
		22203032-00	22203032-1241			
LED white	1,10	22203015-00	22203015-1241	32	4000K - 2674 lm - CRI>90 - 50°	
		22203035-00	22203035-1241			
LED white	1,10	22203014-00	22203014-1241	32	3000K - 2486 lm - CRI>90 - 50°	
		22203034-00	22203034-1241			

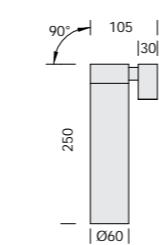
Upon request: CRI>80 version. CLD-D (1-10V) version.





## Stilo

IP40 IK07 ▽

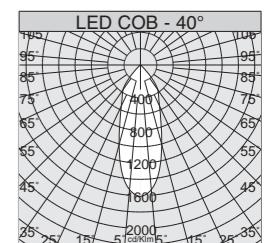


3000K

CRI  
>9050.000h  
L80B20

## Stilo PA2 - adjustable base

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
<b>COB</b>	white	0,80	22041911-00	<b>10</b>	3000K - 893 lm - <b>CRI&gt;90</b> - 40°
	black		22041931-00		
	chrome		22041961-00		
<b>CLD-D (IGBT)</b>					
<b>COB</b>	white	0,80	22041910-00	<b>10</b>	3000K - 893 lm - <b>CRI&gt;90</b> - 40°
	black		22041930-00		
	chrome		22041960-00		



Other versions available





### iSpot Hotel

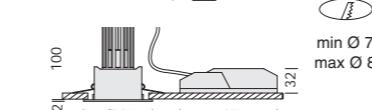
**Housing:** made of die-cast aluminium.

**Reflector:** high-efficiency metallized polycarbonate.

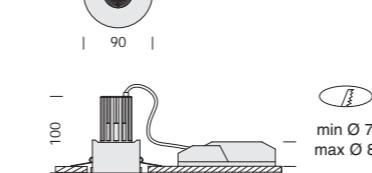
**LED:** luminous flux maintenance 80% 50.000h (L80B20).  
Power factor >0.9.

### iSpot Hotel

IP40 IK04 ▽ □

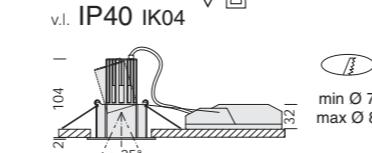


iSpot Hotel 1

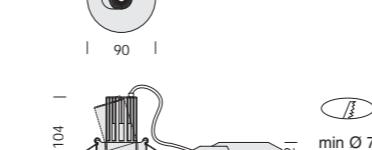


iSpot Hotel 2

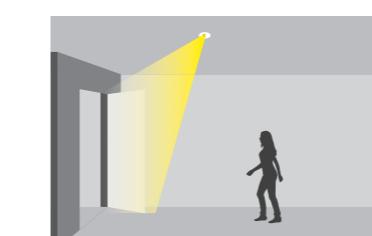
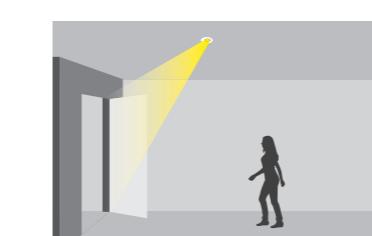
v.a. IP20 IK04 ▽ □



iSpot Hotel 3



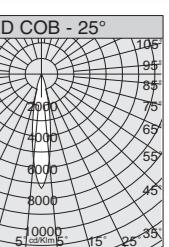
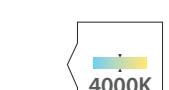
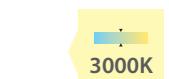
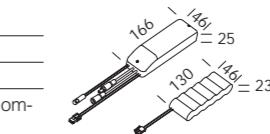
iSpot Hotel 4



#### EM power kit

1h	22096015-00
3h	22096033-00

EM (emergency) lamp power kit complete with connectors.



#### iSpot Hotel 1

CLD		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - olm - CRI - degrees
COB	white	0,30	22067710-00	10	3000K - 413 lm - CRI 92 - 25°
			22067711-00		4000K - 478 lm - CRI 92 - 25°

On request: available in black colour version.

#### iSpot Hotel 2

CLD		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - olm - CRI - degrees
COB	white	0,30	22067712-00	10	3000K - 413 lm - CRI 92 - 25°
			22067713-00		4000K - 478 lm - CRI 92 - 25°

On request: available in black colour version.

#### iSpot Hotel 3

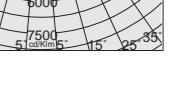
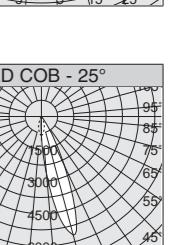
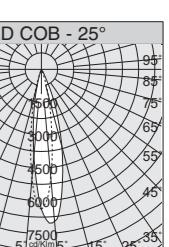
CLD		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - olm - CRI - degrees
COB	white	0,30	22067910-00	10	3000K - 380 lm - CRI 92 - 25°
			22067911-00		4000K - 441 lm - CRI 92 - 25°

On request: available in black colour version.

#### iSpot Hotel 4

CLD		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - olm - CRI - degrees
COB	white	0,30	22067912-00	10	3000K - 433 lm - CRI 92 - 25°
			22067913-00		4000K - 500 lm - CRI 92 - 25°

On request: available in black colour version.





### Domitilla

**Housing:** in steel, complete with DIMM power cable.

**Diffuser:** opal polycarbonate.

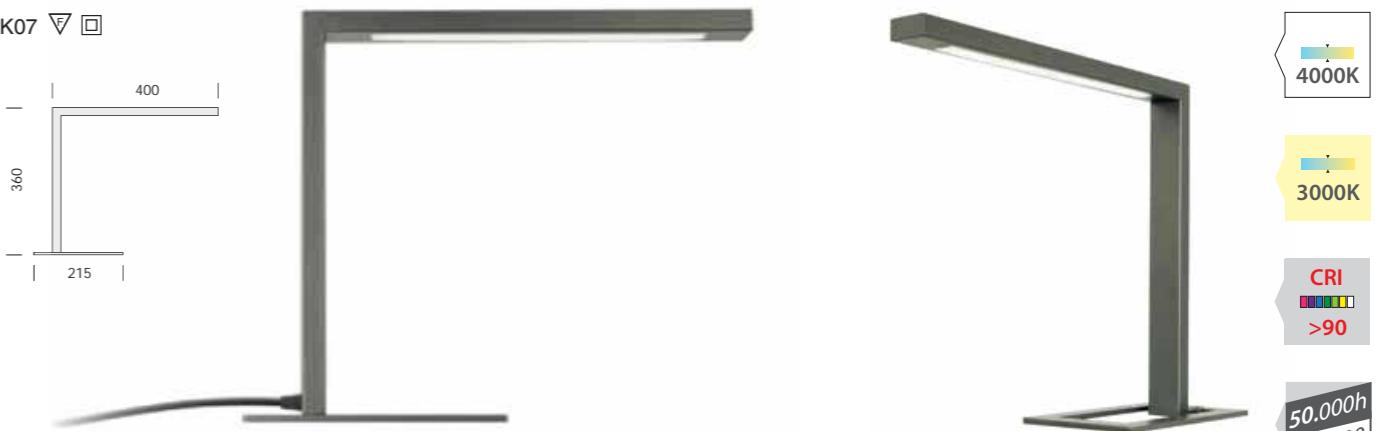
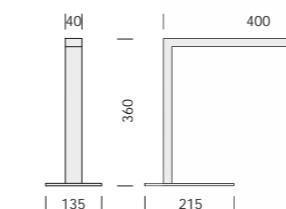
**Equipment:** complete with push-button on the cable and plug-in power supply to be connected directly to the power socket.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20).

Domitilla



IP40 IK07 ▽ □



4000K

3000K

CRI  
>90

50.000h  
L80B20

### Domitilla

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)
		weight	code	
<b>LED</b>	white	2,00	22051010-00	4000K - 630lm - <b>CRI&gt;90</b>
			22051010-39	3000K - 588lm - <b>CRI&gt;90</b>
<b>LED</b>	black	2,00	22051030-00	4000K - 630lm - <b>CRI&gt;90</b>
			22051030-39	3000K - 588lm - <b>CRI&gt;90</b>
<b>LED</b>	graphite	2,00	22051070-00	4000K - 630lm - <b>CRI&gt;90</b>
			22051070-39	3000K - 588lm - <b>CRI&gt;90</b>



### Anello

**Housing:** in aluminum, complete with DIMM power cable.

**Diffuser:** opal polycarbonate.

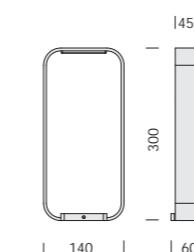
**Equipment:** complete with push-button on the cable and plug-in power supply to be connected directly to the power socket.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20).

### Anello



IP20 IK07 ▽ □



3000K

CRI  
>90

50.000h  
L80B20



Anello

CLD		LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ølm - CRI
	white		22051110-00		
<b>LED</b>	noir	1,00	22051130-00	<b>6</b>	3000K - 290 lm - <b>CRI&gt;90</b>
	graphite		22051170-00		





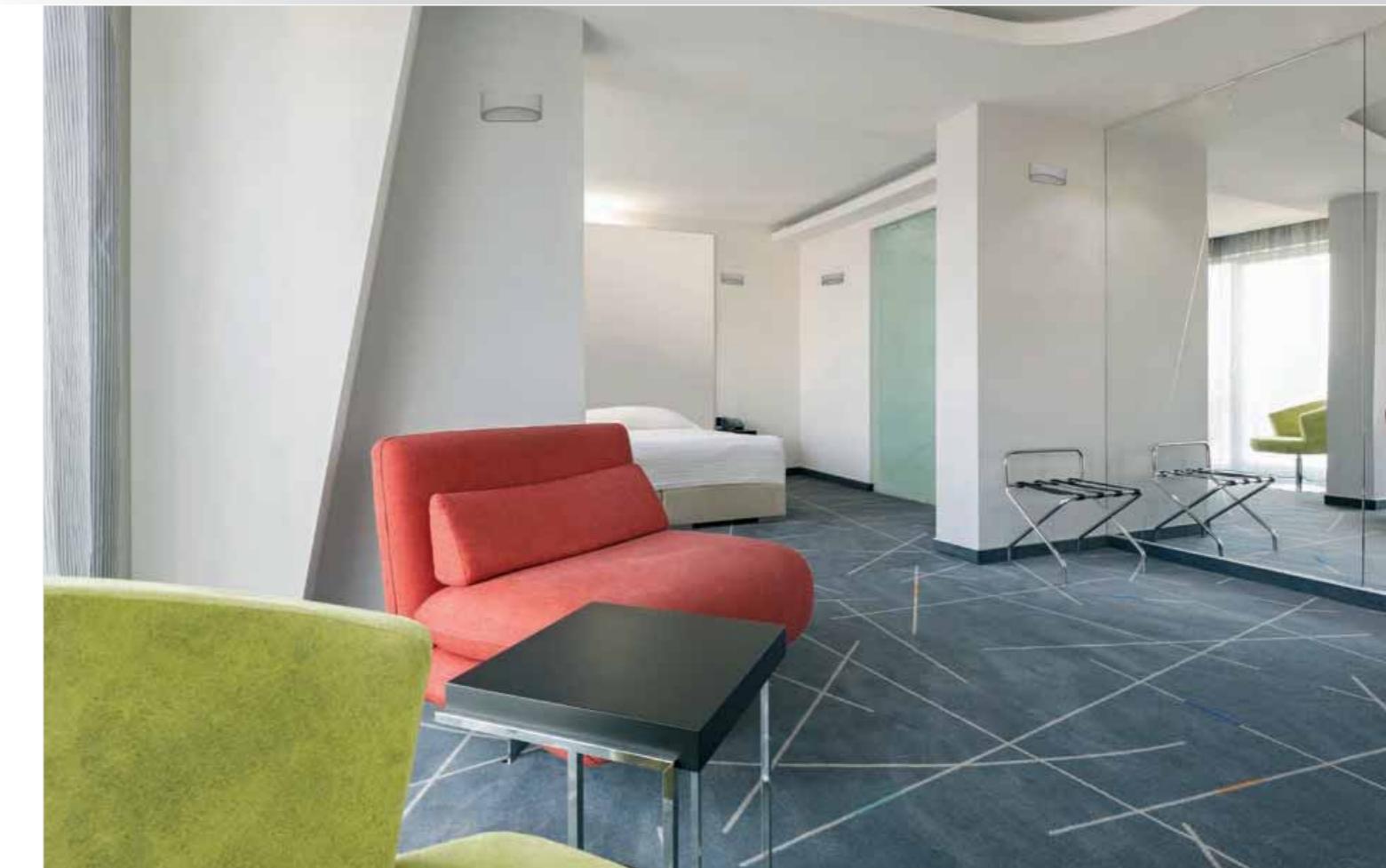
## Curve

Reflections of direct and indirect light on wall surfaces. Lighting to define routes and create decorative effects.

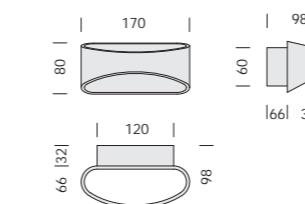
**Housing:** in painted aluminium, designed for wall-mounting.

**LED:** luminous flux maintenance L70B50: 36.000h.  
Power factor >0.9

## Curve



IP40 IK07 ▽

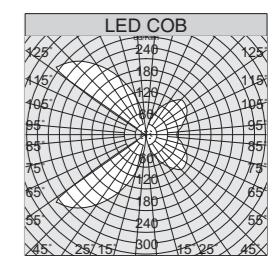


3000K

CRI  
80

36.000h  
L70B50

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI
LED	white	1,80	22084811-00	6	3000K - 351 lm - CRI>80

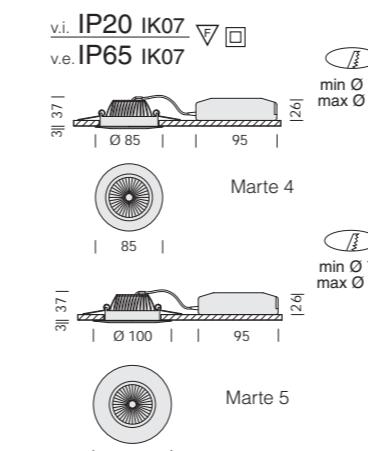




## Marte IP65

**Housing:** made of die-cast aluminium complete with spring clips for recessed mounting.  
**Reflector:** high-efficiency metallised polycarbonate.  
**Equipment:** silicone rubber protection gasket compliant with French low-energy building standards (BBC).  
**Standards:** manufactured pursuant to EN 60598-1-CEI 34.21 and with a degree of protection pursuant to EN 60529.  
**LED:** luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9.

## Marte IP65



Marte 4



Marte 5

3000K

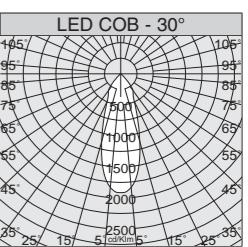
4000K

CRI  
92

50.000h  
L80B20

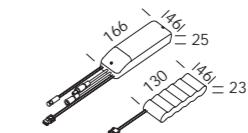
### Marte 4

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,25	22061810-00	5	3000K - 481 lm - CRI 92 - 30°
			22061810-68		4000K - 515lm - CRI 92 - 30°



### Marte 5

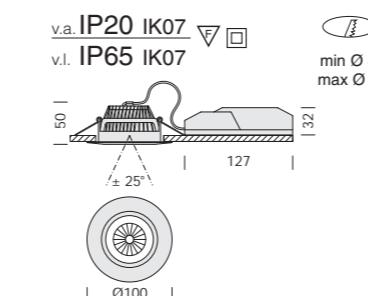
LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,25	22061811-00	6	3000K - 642 lm - CRI 92 - 30°
			22061811-68		4000K - 687lm - CRI 92 - 30°



#### EM power kit

1h	22096015-00
3h	22096033-00

EM (emergency) lamp power kit complete with connectors.



IP65 protection rating with silicone rubber gasket

3000K

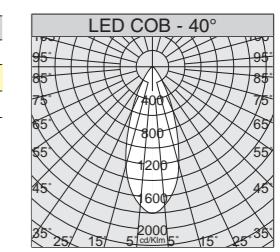
4000K

CRI  
92

50.000h  
L80B20

### Marte 12 - adjustable

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)	
		weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,35	22061804-00	8	3000K - 820 lm - CRI 92 - 40°
			22061804-68		4000K - 850 lm - CRI 92 - 40°





### Snow IP65

Whether in the round or square version, this recessed LED spotlight is the perfect solution for installations that are designed to hide their physical presence once fitted. These spotlights are shaped to blend perfectly into the false ceilings where they are fitted. Moreover, thanks to the high **IP65** protection rating, they can be easily installed in any type of space, to create amazing light effects.

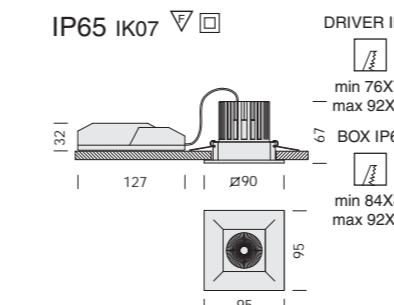
**Housing:** in die-cast aluminium with heat sink.

**Installation:** equipped with galvanised steel support brackets, with housing for springs for attachment to the false ceilings.

**Coating:** epoxy polyester powder coating resistant to UV rays.

**Equipment:** silicone rubber protection gasket compliant with French low-energy building standards (**BBC**).

### Snow IP65



3000K

4000K

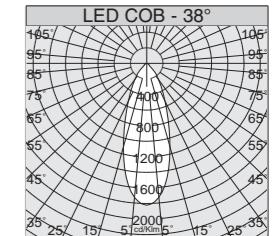
CRI  
>90

50.000h  
L80B20

### Snow 2

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)
		weight	code	
<b>COB</b>	white	0,30	22082710-00	3000K - 1070 lm - <b>CRI&gt;90</b> - 38°
	silver		22082770-00	
<b>COB</b>	white	0,30	22082710-68	4000K - 1145 lm - <b>CRI&gt;90</b> - 38°
	silver		22082770-68	

Equipped with cable L=1,5m , cable gland and steel screws with special anticorrosion treatment.

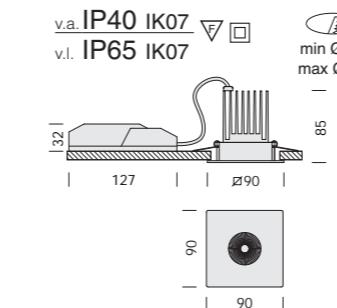


3000K

4000K

CRI  
92

50.000h  
L80B20



On request: chrome version

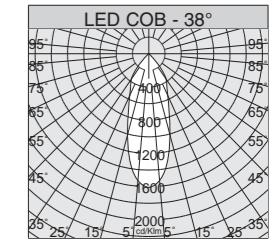
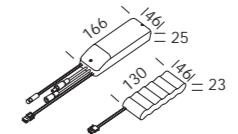


### Snow 4

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)
		weight	code	
<b>COB</b>	white	0,30	22082713-00	3000K - 957 lm - <b>CRI 92</b> - 38°
	black		22082733-00	
<b>COB</b>	white	0,30	22082714-00	4000K - 990 lm - <b>CRI 92</b> - 38°
	black		22082734-00	

EM power kit	
1h	22096015-00
3h	22096033-00

EM (emergency) lamp power kit complete with connectors.





Hotel



All inclusive



Podio	pag. 92
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Portofino slim	pag. 96
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Ines	pag. 100
Square	pag. 102
Fashion	pag. 104
Stilo	pag. 106
Trimless A	pag. 108
Trimless B	pag. 110
Spot pannel	pag. 112
Eco Lex	pag. 114
Liset 2.0 HCL	pag. 116
Jet IP65	pag. 118



## Podio

**Housing/frame:** in die-cast aluminium with central articulated joint in die-cast aluminium.

**Base:** in die-cast aluminium.

**Diffuser:** in extra clear tempered glass, 4 mm thick, resistant to thermal shocks and impacts.

**Graphite coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating. **Grey 9006 and white:** the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating. On request: coating COMPLIANT with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

**Standard Supply:** electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

**LED:** power factor ≥0.92. Luminous flux maintenance 80%: 50.000h (L80B20).

## Podio



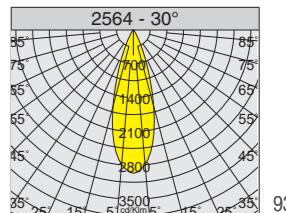
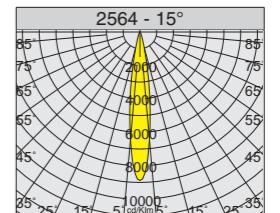
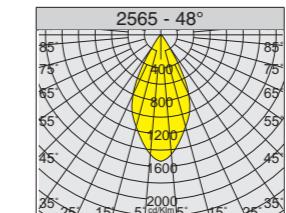
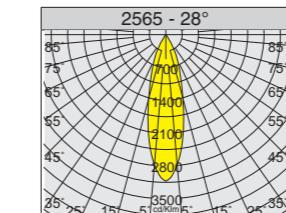
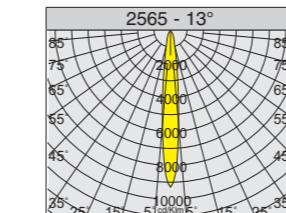
IP66IK08



acc. 119 spike

991335-00

In fiber glass  
nylon. For plant-  
ing Podio into  
the ground.



2565 Podio - with reflector

CLD		LUMEN OUTPUT (Tq=25°C)	
weight	code	W tot	K - ølm - CRI - degrees
1.50	422510-00	<b>28</b>	4000K - 1928 lm - <b>CRI&gt;90</b> - 13°
1.50	422511-00	<b>28</b>	4000K - 1988 lm - <b>CRI&gt;90</b> - 28°
1.50	422514-00	<b>28</b>	4000K - 1985 lm - <b>CRI&gt;90</b> - 48°
1.50	422515-00	<b>28</b>	4000K - 3021 lm - <b>CRI&gt;90</b> - 13°
1.50	422512-00	<b>42</b>	4000K - 3116 lm - <b>CRI&gt;90</b> - 28°
1.50	422513-00	<b>42</b>	4000K - 3111 lm - <b>CRI&gt;90</b> - 48°
1.50	422516-00	<b>42</b>	4000K - 3013 lm - <b>CRI&gt;90</b> - 30°
1.50	422517-00	<b>42</b>	4000K - 3111 lm - <b>CRI&gt;90</b> - 15°
1.50	422558-00	<b>42</b>	4000K - 3111 lm - <b>CRI&gt;90</b> - 48°
1.50	422559-00	<b>42</b>	4000K - 3111 lm - <b>CRI&gt;90</b> - 13°

Upon request version with: CLD D-D (DALI) wiring with sub-code -0041.

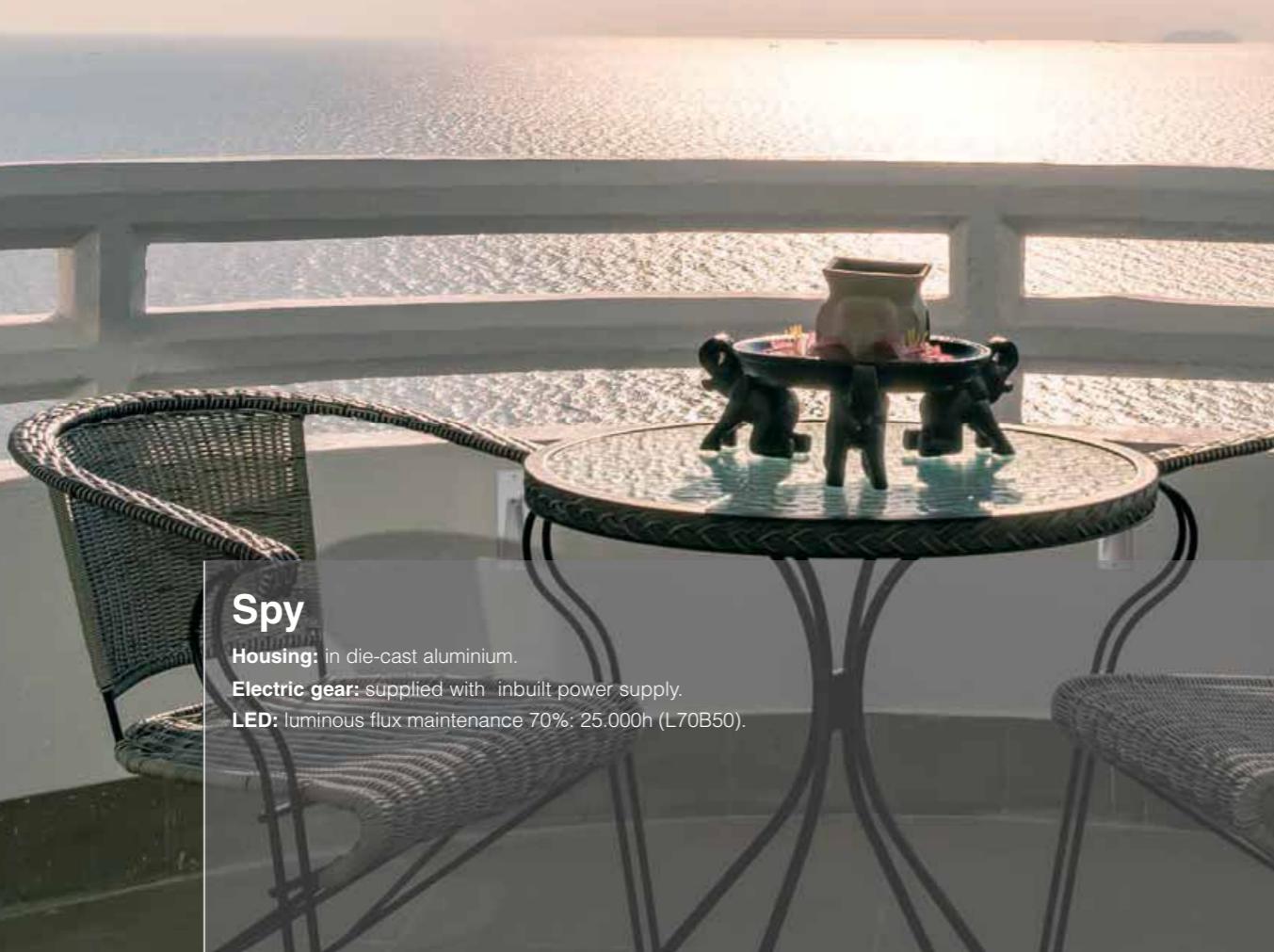
2564 Podio - with lens

CLD		LUMEN OUTPUT (Tq=25°C)	
weight	code	W tot	K - ølm - CRI - degrees
1.50	422500-00	<b>28</b>	4000K - 1843 lm - <b>CRI&gt;90</b> - 15°
1.50	422501-00	<b>28</b>	4000K - 1923 lm - <b>CRI&gt;90</b> - 30°
1.50	422504-00	<b>28</b>	4000K - 2888 lm - <b>CRI&gt;90</b> - 15°
1.50	422505-00	<b>42</b>	4000K - 2888 lm - <b>CRI&gt;90</b> - 30°
1.50	422502-00	<b>42</b>	4000K - 3013 lm - <b>CRI&gt;90</b> - 15°
1.50	422503-00	<b>42</b>	4000K - 3013 lm - <b>CRI&gt;90</b> - 30°
1.50	422506-00	<b>42</b>	4000K - 3013 lm - <b>CRI&gt;90</b> - 15°
1.50	422507-00	<b>42</b>	4000K - 3013 lm - <b>CRI&gt;90</b> - 30°

Upon request version with: CLD D-D (DALI) wiring with sub-code -0041.

4000K  
CRI  
>90

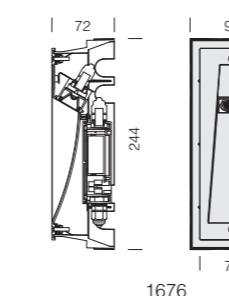
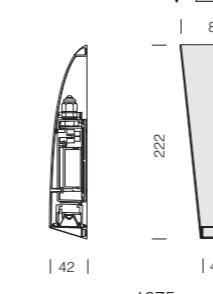
50.000h  
L80B20



## Spy



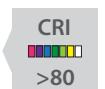
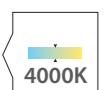
IP65 IK08 ▽□



1675



1676

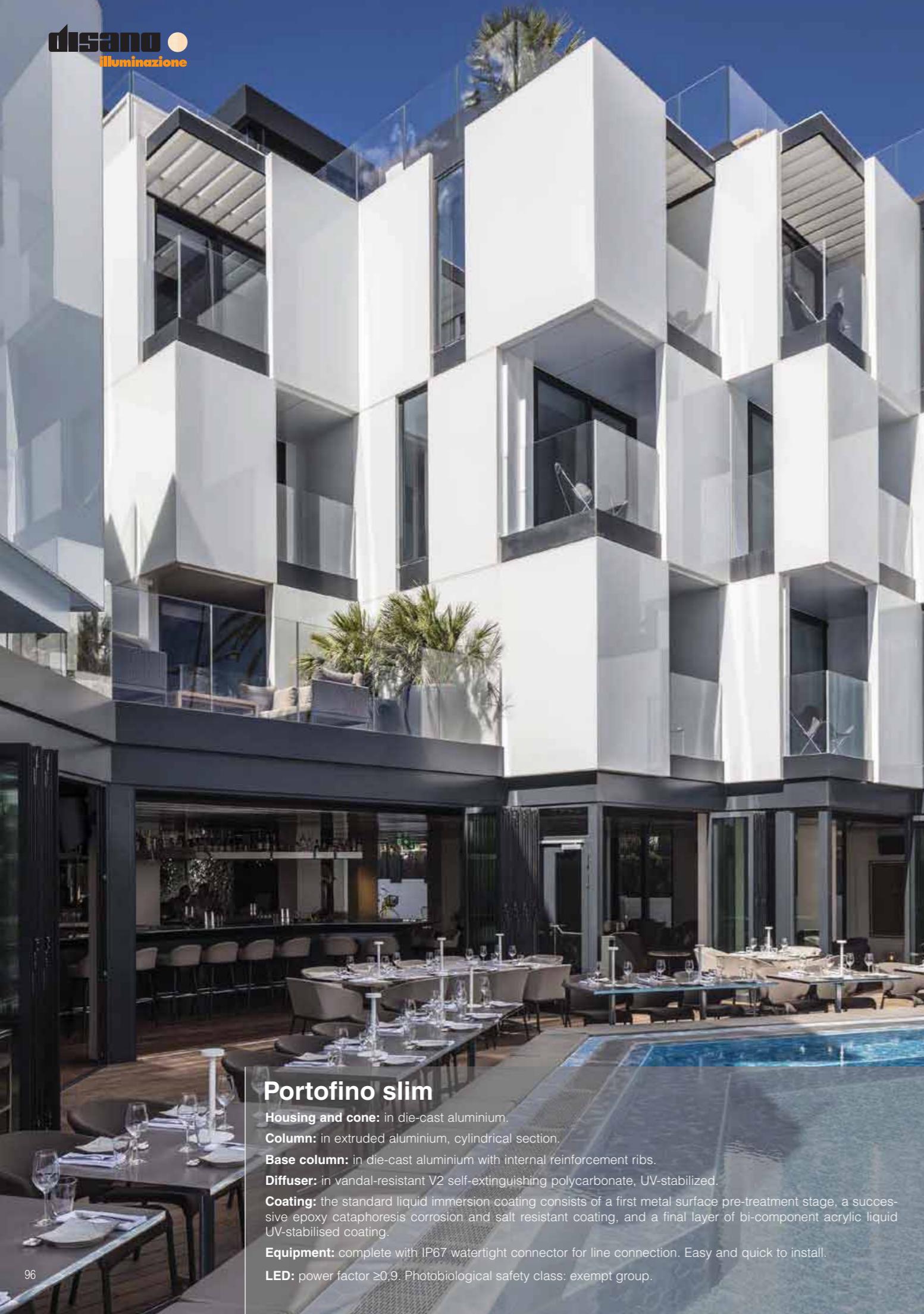


### 1675 Spy

	CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	weight	code	W tot	K - ølm (350mA) - CRI - degrees
LED	grey 9007	0.50	530672-00	1,2 4000 K - 150 lm - CRI>80 - 10°

### 1676 Spy

	CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	weight	code	W tot	K - ølm (350mA) - CRI - degrees
LED	grey 9007	0.50	530683-00	1,2 4000 K - 150 lm - CRI>80 - 24°



### Portofino slim

**Housing and cone:** in die-cast aluminium.

**Column:** in extruded aluminium, cylindrical section.

**Base column:** in die-cast aluminium with internal reinforcement ribs.

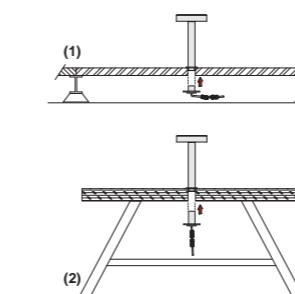
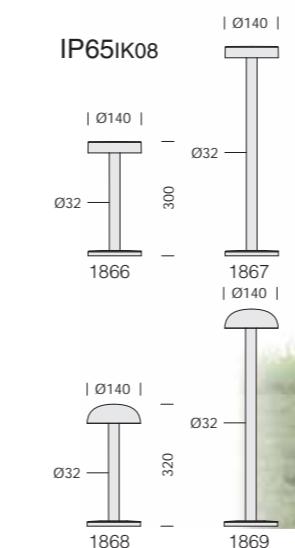
**Diffuser:** in vandal-resistant V2 self-extinguishing polycarbonate, UV-stabilized.

**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

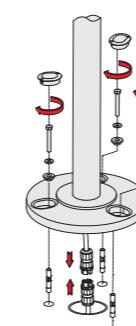
**Equipment:** complete with IP67 watertight connector for line connection. Easy and quick to install.

**LED:** power factor ≥0.9. Photobiological safety class: exempt group.

### Portofino slim



**Upon request:** Portofino slim with special connector, ideal for installation on floating floors (1) or to allow use as a table lamp (2).



#### 1866 Portofino slim - short version

		CLD	LUMEN OUTPUT (tq= 25 °C)			
230V	colour	weight	code	W tot	K - ølm (230V) - CRI	
LED	graphite	0.80	511142-00	10	4000K - 801m - CRI>80	
			511142-39		3000K - 745m - CRI>80	

#### 1867 Portofino slim - medium version

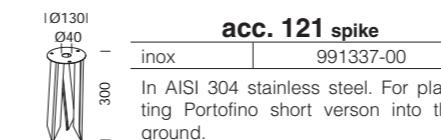
		CLD	LUMEN OUTPUT (tq= 25 °C)			
230V	colour	weight	code	W tot	K - ølm (230V) - CRI	
LED	graphite	1.60	511152-00	10	4000K - 801m - CRI>80	
			511152-39		3000K - 745m - CRI>80	

#### 1868 Portofino slim - short version

		CLD	LUMEN OUTPUT (tq= 25 °C)			
230V	colour	weight	code	W tot	K - ølm (230V) - CRI	
LED	graphite	0.90	511182-00	10	4000K - 801m - CRI>80	
			511182-39		3000K - 745m - CRI>80	

#### 1869 Portofino slim - medium version

		CLD	LUMEN OUTPUT (tq= 25 °C)			
230V	colour	weight	code	W tot	K - ølm (230V) - CRI	
LED	graphite	1.10	511192-00	10	4000K - 801m - CRI>80	
			511192-39		3000K - 745m - CRI>80	



#### acc. 121 spike

In AISI 304 stainless steel. For planting Portofino short version into the ground.

### Portofino family

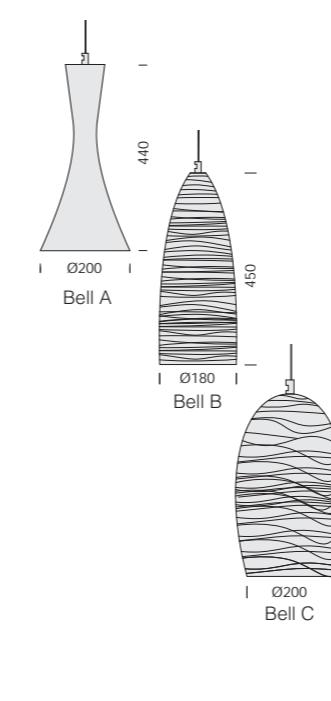




## Bell DECOR LINE



IP20 IK07 ▽

**Bell A - DECOR LINE - suspension**

S	
LED	colour
LED	copper
lampholder	code
E27	2222680-00

**Bell B - DECOR LINE - suspension**

S	
LED	colour
LED	copper
lampholder	code
E27	2222780-00

**Bell C - DECOR LINE - suspension**

S	
LED	colour
LED	copper
lampholder	code
E27	2222880-00

**Bell D - DECOR LINE - suspension**

S	
LED	colour
LED	copper
v	code
E27	2222980-00

**LED - E27**

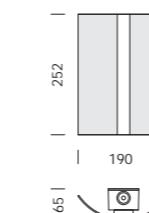
- Incandescent-like colour, soft light in 2200K-2700K.
- Energy-saving, long life.
- Warm soft light in the same bulb shapes and sizes as incandescent fixtures.
- Mercury-free, in compliance with RoHS material restriction requirements.
- Applications: ideal for general ambient lighting in offices, conference rooms, restaurants, coffee shops, super markets, hotels and homes.



Ines



IP20 IK07 ▽

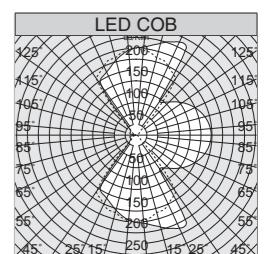


3000K

CRI  
>8030.000h  
L70B50

Ines

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
LED	white	0,80	22085010-00	14 3000 K - 674 lm - CRI>80





## Square

**Housing:** in die-cast aluminium.

**Diffuser:** in extra-clear tempered glass, 4 mm thick, thermal shock and impact resistant.

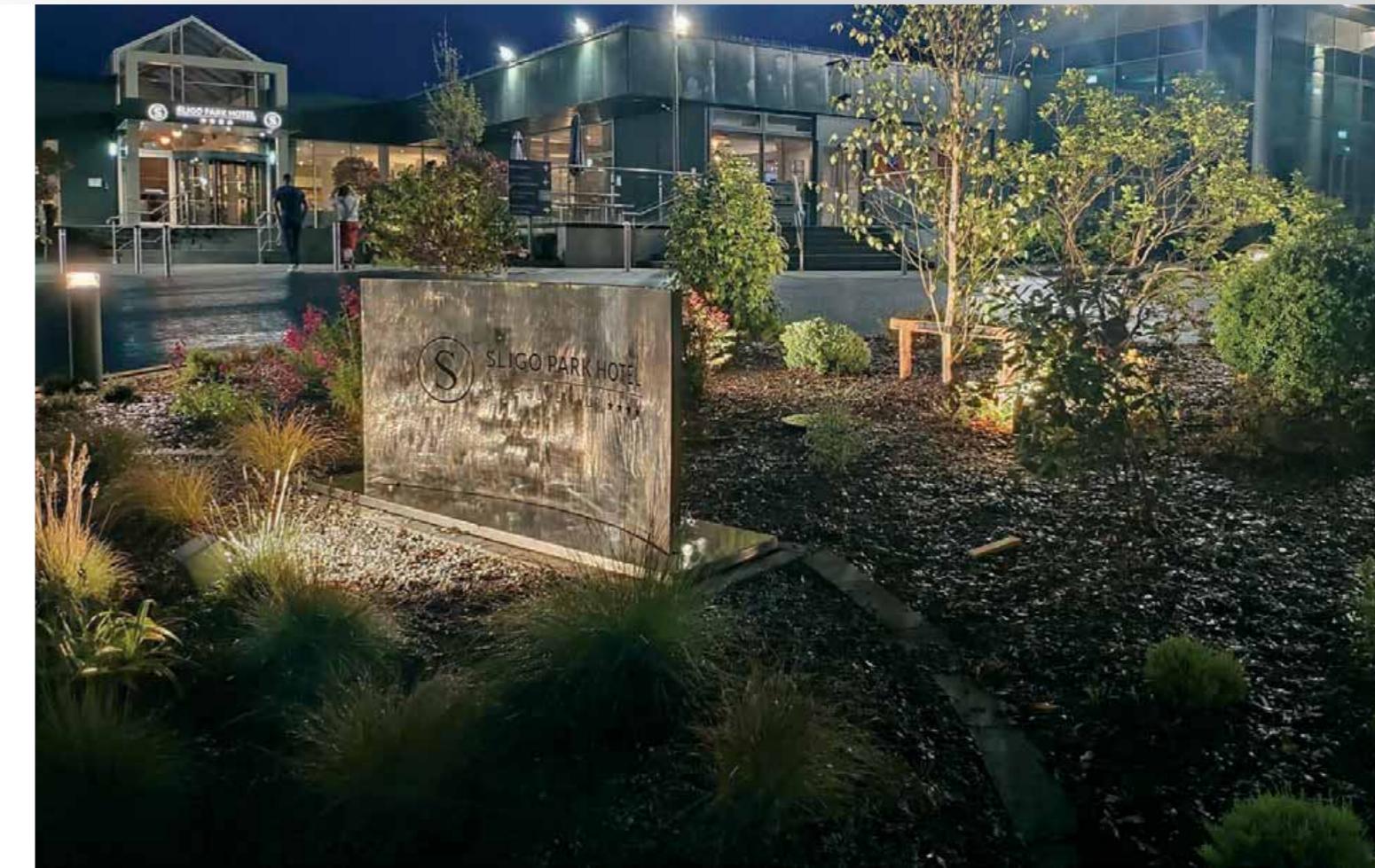
**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Upon request:** coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

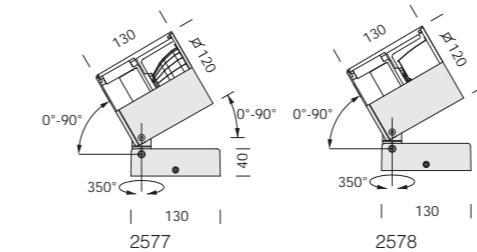
**Standard supply:** supplied with plate for wall installation and cable with IP68 airtight connector for mains connection.

**LED:** luminous flux maintenance 80%, 50.000h (L80B20). Power factor ≥ 0.92

## Square



IP66IK08



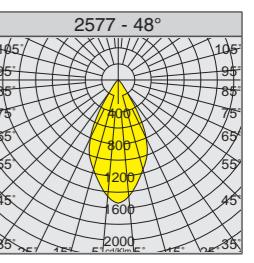
4000K

CRI  
≥90

50.000h  
L80B20

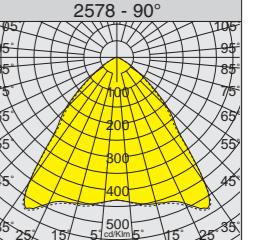
### 2577 Square - with reflector

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)
		weight	code	
<b>COB</b>	white	2.50	431864-00	4000K - ølm 1050mA - CRI>90 - 13°
	graphite		431865-00	
<b>COB</b>	white	2.50	431862-00	4000K - 3116 lm - CRI>90 - 28°
	graphite		431863-00	
<b>COB</b>	white	2.50	431860-00	4000K - 3111 lm - CRI>90 - 48°
	graphite		431861-00	



### 2578 Square - with optic

LED	couleur	CLD		LUMEN OUTPUT (tq= 25 °C)
		weight	code	
<b>COB</b>	white	2.50	431870-00	4000K - 3152 lm - CRI>90 - 90°
	graphite		431871-00	





### Fashion

**Housing:** in die-cast aluminium.

**Version with reflector:** in die-cast polished aluminium, high efficiency and anti-glare.

**Version with lens:** in PMMA with high efficiency output and very low glare rate

**Coating:** power-coated with a UV-resistant polyester epoxy paint.

**Regulations:** Manufactured in accordance with EN 60598-1-CEI 34.21 standards. Degrees of protection in accordance with EN60529 standards.

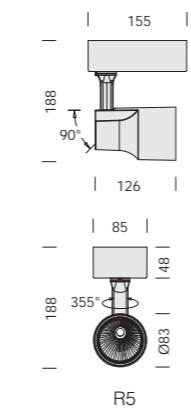
**LED:** high-efficiency light sources (CRI 95). The LED series was designed with a new technology that ensures uniform colour saturation. This is why these lamps are particularly suited in settings where reflections, transparencies, good colour and white quality are very important.

Luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9. Photobiological safety class: Exempt group

### Fashion



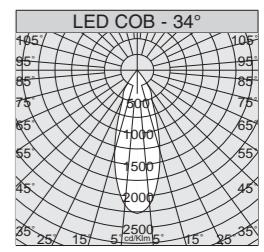
IP40 IK07 ▽



On request: version complete with light beam conveyor to ensure top quality general and accent lighting and great colour stability (**CRI 95**).

#### Fashion R5 - base with optic

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	W tot	K - olm 800mA - CRI - degrees
<b>COB VIVID</b>	white	30	3000K - 2846 lm - <b>CRI&gt;90</b> - 34°
	black		
<b>COB VIVID</b>	white	30	4000K - 3060 lm - <b>CRI&gt;90</b> - 34°
	black		
<b>CLD D-DIG (DALI)</b>			
<b>COB VIVID</b>	white	30	3000K - 2846 lm - <b>CRI&gt;90</b> - 34°
	black		
<b>COB VIVID</b>	white	30	4000K - 3060 lm - <b>CRI&gt;90</b> - 34°
	black		





### Stilo

**Housing:** in treated aluminium.

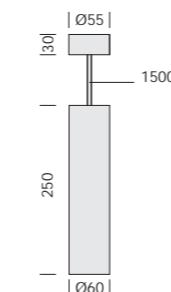
**Upon request:** in other colours.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20).

### Stilo



IP40 IK07 ▽



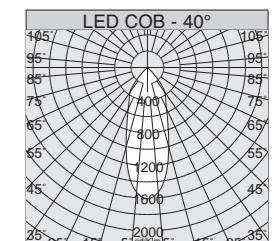
3000K

CRI  
>90

80.000h  
L80B20

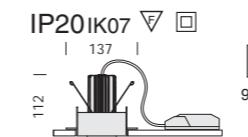
#### Stilo SP2 - suspension

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - olm - CRI - degrees
<b>COB</b>	white	0,80	22041811-00	10	3000 K - 893 lm - <b>CRI&gt;90 - 40°</b>
	black		22041831-00		
	chrome		22041861-00		
		<b>CLD-D (IGBT)</b>			
<b>COB</b>	white	0,80	22041810-00	10	3000 K - 893 lm - <b>CRI&gt;90 - 40°</b>
	black		22041830-00		
	chrome		22041860-00		





## Trimless A



**On request:** 25° and 40° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	0,90	22105130-00	10
			22105131-00	4000 K - 597 lm - CRI>90 - 15°

3000 K - 556 lm - CRI>90 - 15°

4000 K - 597 lm - CRI>90 - 15°

**On request:** 25° and 40° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	1,30	22105232-00	20
			22105233-00	4000 K - 2x597 lm - CRI>90 - 25°

3000 K - 2x556 lm - CRI>90 - 25°

4000 K - 2x597 lm - CRI>90 - 25°

**On request:** 15° and 40° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	2,30	22105334-00	30
			22105335-00	4000 K - 3x597 lm - CRI>90 - 40°

3000 K - 3x556 lm - CRI>90 - 40°

4000 K - 3x597 lm - CRI>90 - 40°

**On request:** 15° and 25° version. DIMM-DALI version with sub-code -1241.



**On request:** 28° and 40° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	1,00	22107130-00	25
			22107131-00	4000 K - 2448 lm - CRI>90 - 21°

3000 K - 2376 lm - CRI>90 - 21°

4000 K - 2448 lm - CRI>90 - 21°

**On request:** 28° and 40° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	1,70	22107232-00	50
			22107233-00	4000 K - 2x2448 lm - CRI>90 - 28°

3000 K - 2x2376 lm - CRI>90 - 28°

4000 K - 2x2448 lm - CRI>90 - 28°

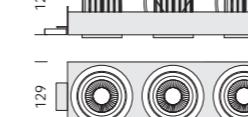
**On request:** 21° and 40° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	2,80	22107334-00	75
			22107335-00	4000 K - 3x2262 lm - CRI>90 - 40°

3000 K - 3x2103 lm - CRI>90 - 40°

4000 K - 3x2262 lm - CRI>90 - 40°

**On request:** 21° and 28° version. DIMM-DALI version with sub-code -1241.



**On request:** 21° and 28° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	1,20	22111130-00	38
			22111131-00	4000 K - 3654 lm - CRI>90 - 15°

3000 K - 3398 lm - CRI>90 - 15°

4000 K - 3654 lm - CRI>90 - 15°

**On request:** 25° and 38° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	2,40	22111232-00	76
			22111233-00	4000 K - 2x3583 lm - CRI>90 - 25°

3000 K - 2x3332 lm - CRI>90 - 25°

4000 K - 2x3583 lm - CRI>90 - 25°

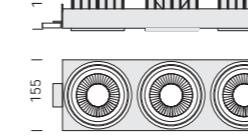
**On request:** 15° and 38° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	3,60	22111334-00	114
			22111335-00	4000 K - 3x3534 lm - CRI>90 - 40°

3000 K - 3x3287 lm - CRI>90 - 40°

4000 K - 3x3534 lm - CRI>90 - 40°

**On request:** 15° and 25° version. DIMM-DALI version with sub-code -1241.



**On request:** 15° and 25° version. DIMM-DALI version with sub-code -1241.

CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot
COB	black	1,55	22111130-00	38
			22111131-00	4000 K - 3654 lm - CRI>90 - 15°

3000 K - 3398 lm - CRI>90 - 15°

4000 K - 3654 lm - CRI>90 - 15°

**On request:** 25° and 38° version. DIMM-DALI version with sub-code -1241.





## Trimless B

**Housing and frame:** in die-cast aluminium with adjustable and tilting spotlights.

**Equipment:** equipped with galvanised steel support brackets which guarantee perfect attachment to suspended ceiling from 12 mm to 25 mm thick.

**Reflector:** high-efficiency metallised polycarbonate.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20).  
Power factor >0.95

## Trimless B

IP20 IK07 ▽ □



		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	1,20	22105110-00	10	3000 K - 556 lm - CRI>90 - 15°
			22105111-00		4000 K - 597 lm - CRI>90 - 15°

On request: 25° and 40° version. DIMM-DALI version with sub-code -1241.

### Trimless 50 - B1

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	2,40	22105212-00	20	3000 K - 2x556 lm - CRI>90 - 25°
			22105213-00		4000 K - 2x597 lm - CRI>90 - 25°

On request: 15° and 40° version. DIMM-DALI version with sub-code -1241.

### Trimless 50 - B2

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	3,60	22105314-00	30	3000 K - 3x556 lm - CRI>90 - 40°
			22105315-00		4000 K - 3x597 lm - CRI>90 - 40°

On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.

### Trimless 50 - B3

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	3,60	22105314-00	30	3000 K - 3x556 lm - CRI>90 - 40°
			22105315-00		4000 K - 3x597 lm - CRI>90 - 40°

On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.

### Trimless 70 - B1

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	1,30	22107110-00	25	3000 K - 2376 lm - CRI>90 - 21°
			22107111-00		4000 K - 2448 lm - CRI>90 - 21°

On request: 28° and 40° version. DIMM-DALI version with sub-code -1241.

### Trimless 70 - B2

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	2,60	22107212-00	50	3000 K - 2x2376 lm - CRI>90 - 28°
			22107213-00		4000 K - 2x2448 lm - CRI>90 - 28°

On request: 21° and 40° version. DIMM-DALI version with sub-code -1241.

### Trimless 70 - B3

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	3,80	22107314-00	75	3000 K - 3x2103 lm - CRI>90 - 40°
			22107315-00		4000 K - 3x2262 lm - CRI>90 - 40°

On request: 21° and 28° version. DIMM-DALI version with sub-code -1241.

### Trimless 111 - B1

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	1,50	22111110-00	38	3000 K - 3398 lm - CRI>90 - 15°
			22111111-00		4000 K - 3654 lm - CRI>90 - 15°

On request: 25° and 38° version. DIMM-DALI version with sub-code -1241.

### Trimless 111 - B2

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	2,80	22111212-00	76	3000 K - 2x3332 lm - CRI>90 - 25°
			22111213-00		4000 K - 2x3583 lm - CRI>90 - 25°

On request: 15° and 38° version. DIMM-DALI version with sub-code -1241.

### Trimless 111 - B3

		CLD	LUMEN OUTPUT (tq= 25 °C)		
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	noir	4,00	22111314-00	114	3000 K - 3x3287 lm - CRI>90 - 40°
			22111315-00		4000 K - 3x3534 lm - CRI>90 - 40°

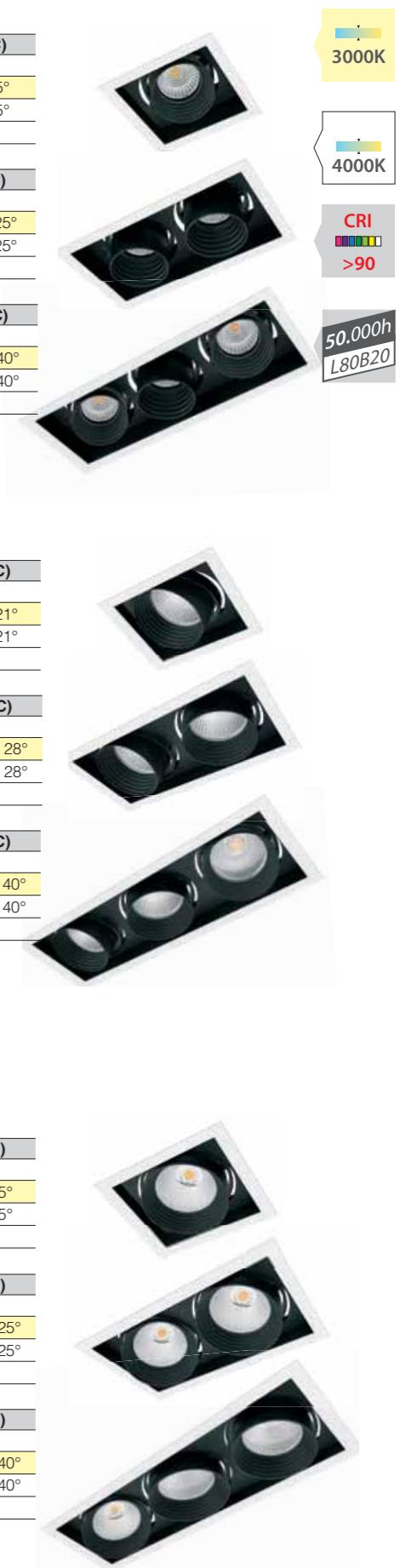
On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.

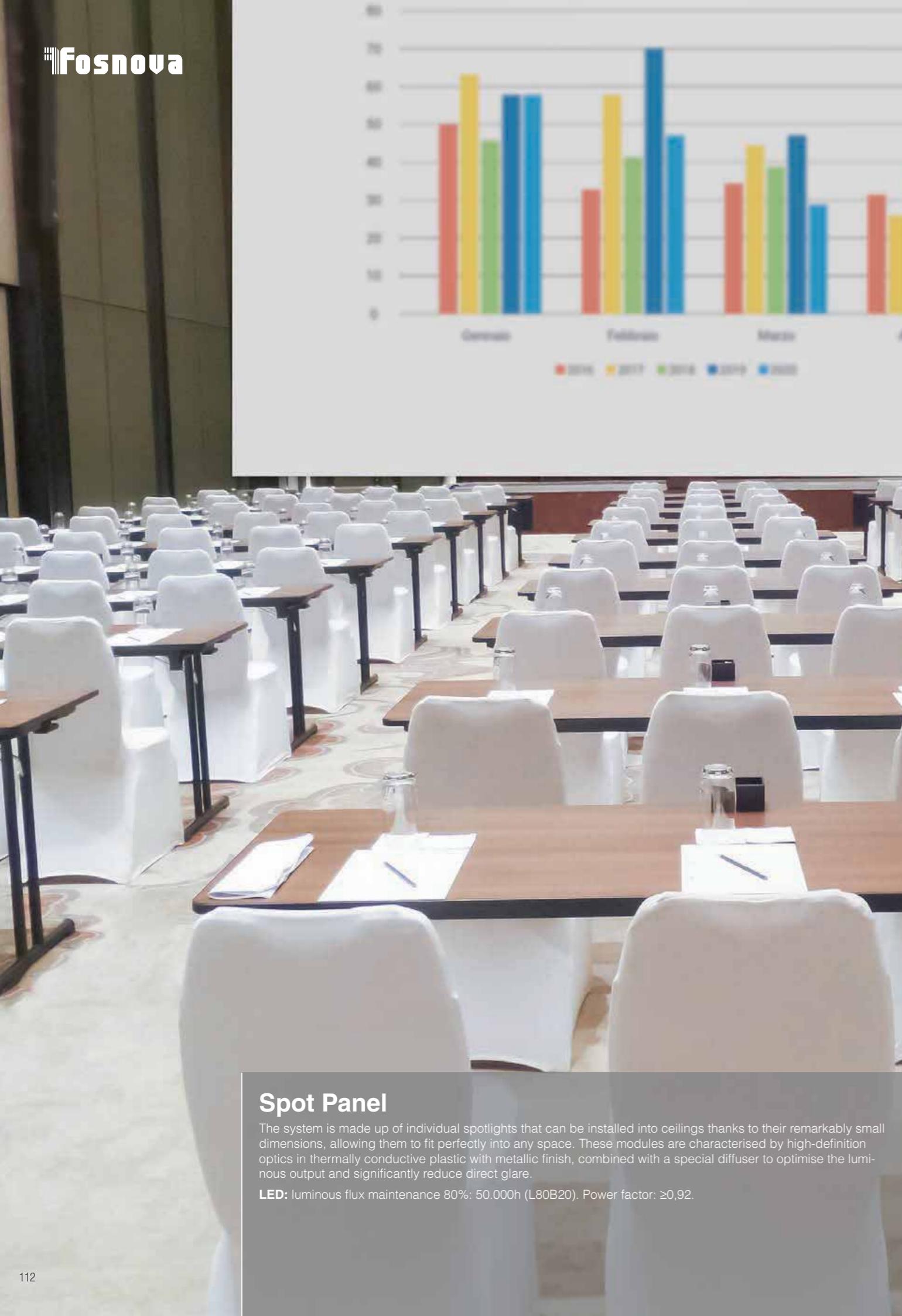
3000K

4000K

CRI  
>90

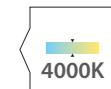
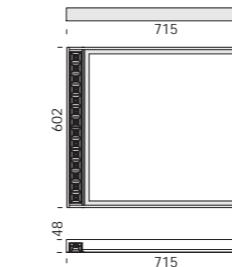
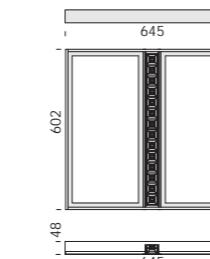
50.000h  
L80B20





## Spot panel

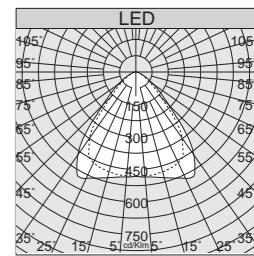
IP40 IK07 ▽



### Spot panel 1 - ceiling - UGR<19

		CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - elm - CRI
<b>14 modules</b>	white	7,10	22530101-00	<b>51</b>	4000K - 4823 lm - <b>CRI&gt;90</b>
			22530101-39		3000K - 4485 lm - <b>CRI&gt;90</b>
<b>CLD D-DIG (DALI)</b>	white	7,10	22530101-1241	<b>51</b>	4000K - 4823 lm - <b>CRI&gt;90</b>
			22530101-3941		3000K - 4485 lm - <b>CRI&gt;90</b>

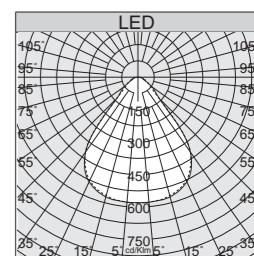
78° comfort module. **On request:** 54° version. Driver inside.  
**On request:** possibility of separate ON/OFF switch.



### Spot panel 2 - ceiling - UGR<19

		CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - elm - CRI
<b>28 modules</b>	white	8,20	22540101-00	<b>56</b>	4000K - 5846 lm - <b>CRI&gt;90</b>
			22540101-39		3000K - 5436 lm - <b>CRI&gt;90</b>
<b>CLD D-DIG (DALI)</b>	white	8,20	22540101-1241	<b>56</b>	4000K - 5846 lm - <b>CRI&gt;90</b>
			22540101-3941		3000K - 5436 lm - <b>CRI&gt;90</b>

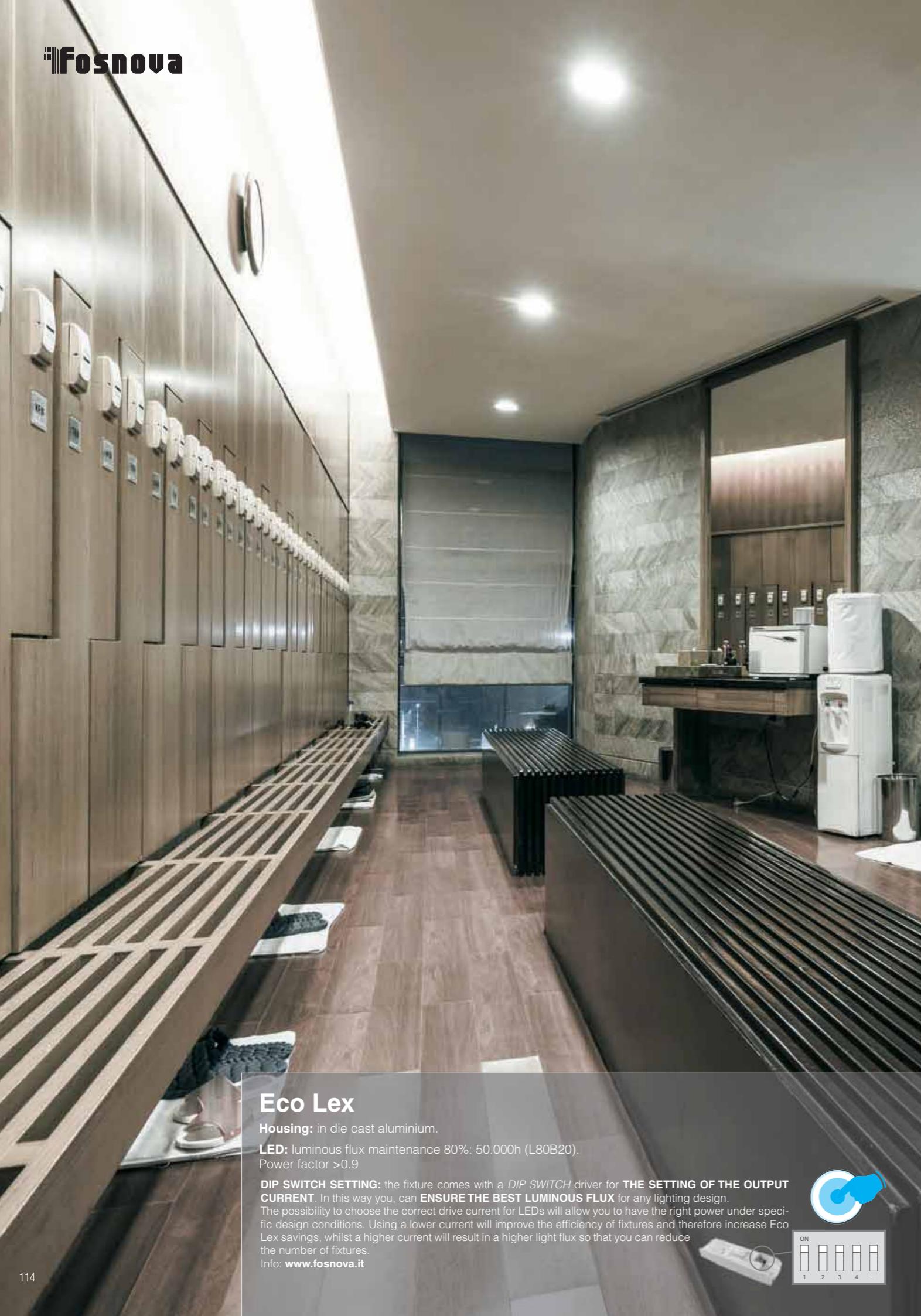
78° comfort module. **On request:** 54° version. Driver inside.  
**On request:** possibility of separate ON/OFF switch.



## Spot Panel

The system is made up of individual spotlights that can be installed into ceilings thanks to their remarkably small dimensions, allowing them to fit perfectly into any space. These modules are characterised by high-definition optics in thermally conductive plastic with metallic finish, combined with a special diffuser to optimise the luminous output and significantly reduce direct glare.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20). Power factor: ≥0,92.



### Eco Lex

**Housing:** in die cast aluminium.

**LED:** luminous flux maintenance 80%: 50.000h (L80B20).

Power factor >0.9

**DIP SWITCH SETTING:** the fixture comes with a DIP SWITCH driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

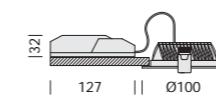
The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase Eco Lex savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

Info: [www.fosnova.it](http://www.fosnova.it)

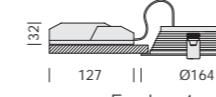


### Eco Lex

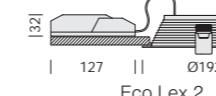
v.a. IP20 IK07 ▽ □  
v.l. IP44 IK07



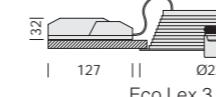
Eco Lex



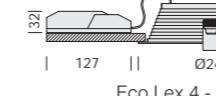
Eco Lex 1



Eco Lex 2



Eco Lex 3



Eco Lex 4 - 6

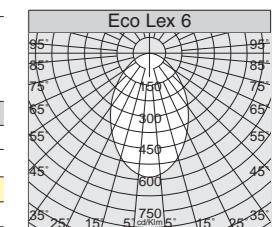
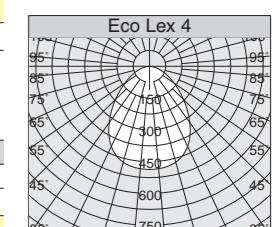
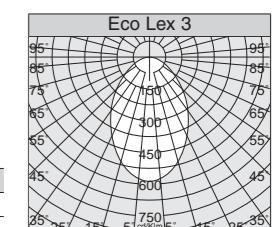
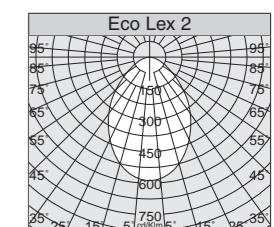
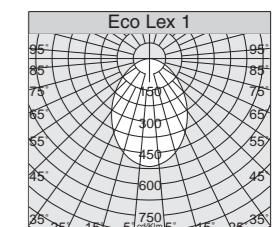
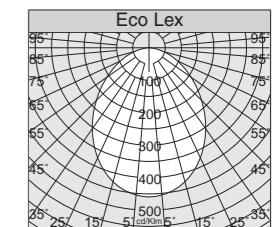


4000K

3000K

CRI  
>90

50.000h  
L80B20



		CLD	LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ø Im - CRI	
LED	white	0,30	22172904-00	11	4000 K - 1088 lm - CRI>90	
			22172903-00		3000 K - 1033 lm - CRI>90	

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.

		CLD	LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ø Im - CRI	
LED	white	0,35	22172914-00	11	4000 K - 1041 lm - CRI>90	
			22172918-00		3000 K - 980 lm - CRI>90	

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.

		CLD	LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ø Im - CRI	
LED	white	0,50	22172915-00	14	4000 K - 1380 lm - CRI>90	
			22172919-00		3000 K - 1303 lm - CRI>90	

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.

		CLD	LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ø Im - CRI	
LED	white	0,75	22172916-00	21	4000 K - 2190 lm - CRI>90	
			22172906-00		3000 K - 2070 lm - CRI>90	

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.

		CLD	LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ø Im - CRI	
LED	white	1,00	22172917-00	32	4000 K - 3320 lm - CRI>90	
			22172907-00		3000 K - 3135 lm - CRI>90	

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.

		CLD	LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	code	W tot	K - ø Im - CRI	
LED	white	1,00	22174901-00	21	4000 K - 2036 lm - CRI>90	
			22174902-00		3000 K - 1893 lm - CRI>90	

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



## Liset 2.0 - Human Centric Lighting

### The effects of the circadian rhythm disruption on health

A systematic disruption of our biological clock has negative effects on our health. Numerous studies have shown that the disruption of our sleep-wake cycle provokes fatigue and sleeping disorders. It negatively affects our mood and psychological wellbeing, and may cause anxiety or depression, as well as gastrointestinal discomfort. Moreover, if prolonged over time, it can increase the risk of cardiovascular diseases (strokes and heart attacks) and metabolic dysfunctions (such as obesity and diabetes). Lastly, it can weaken the immune system favouring the outburst of some cancers.

According to research, it is important that our body receives signals like daylight and its variation throughout the day.

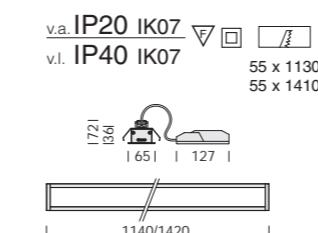
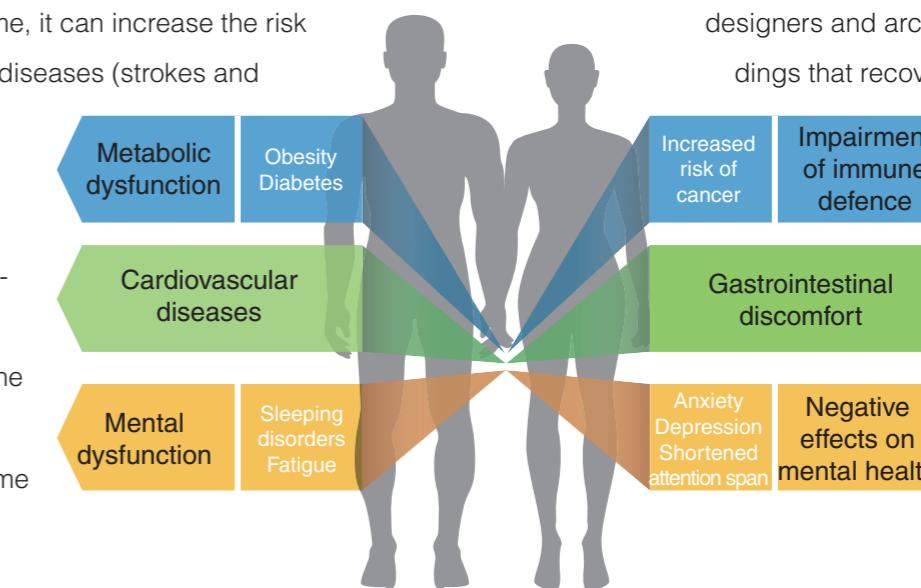
Yet, we spend most of our time, whether at work or at home, in closed and artificially illuminated spaces.

So what can we do?

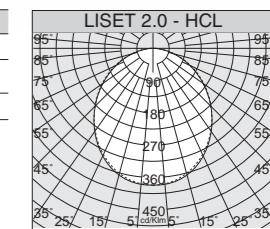
We can get a greater amount of daylight inside. This is why designers and architects are making buildings that recover as much as possible

the relationship with the outside world.

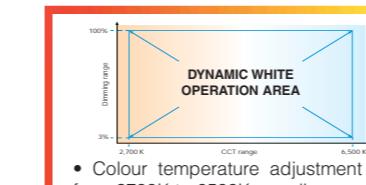
And a great help is given by the technological evolution of artificial lighting, including Human Centric Lighting.



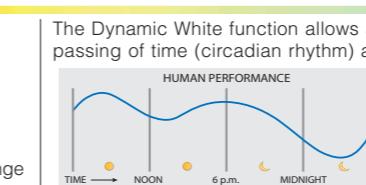
LED	housing	CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)		
		L (mm)	weight	code	W tot	K - olm - CRI
LED 4 modules	white	1140	1,70	22302201-89	38	2700K÷6500K - 3250÷3220lm - CRI>90
LED 5 modules		1420	2,00	22302202-89	46	2700K÷6500K - 2984÷3176lm - CRI>90



### TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION



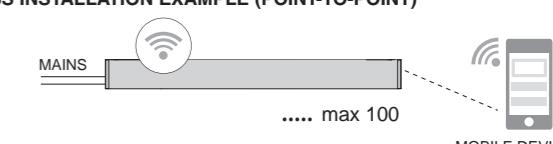
- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux



The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the natural trend of daylight throughout the entire day.

### HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a free app.



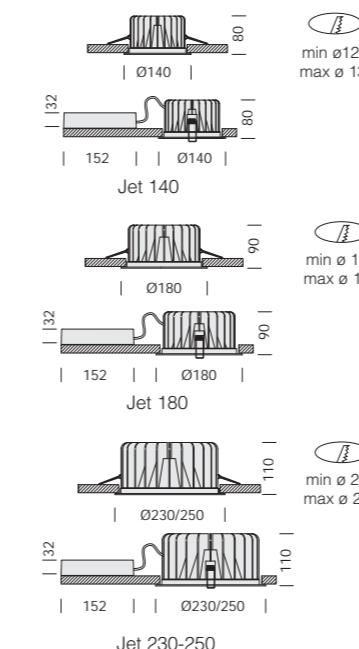


### Jet IP65

**Housing:** fixed downlight in die cast aluminium complete with spring clips for recessed mounting  
**Reflector:** dark light optics in high gloss, anti-glare aluminium to optimise light efficiency. Version with matt wide beam optics on request.  
**LED:** High Energy Saving. Luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9

### Jet IP65

IP65 IK04 ▽ □



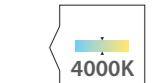
Jet 140



Jet 180



Jet 230-250

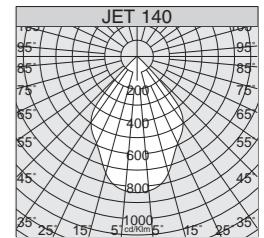


Version with matt wide beam optics on request.



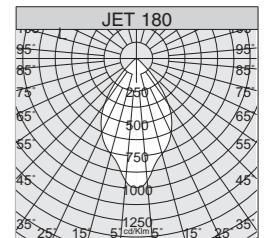
#### Jet 140

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	K - ølm - CRI
<b>COB</b>	white	0,90	22065612-39 3000 K - 1797 lm - CRI>90
			22065612-00 4000 K - 1892 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	0,90	22065612-3941 3000 K - 1797 lm - CRI>90
			22065612-1241 4000 K - 1892 lm - CRI>90



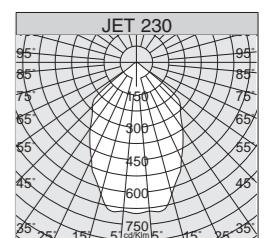
#### Jet 180

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	K - ølm - CRI
<b>COB</b>	white	1,45	22065613-39 3000 K - 3251 lm - CRI>90
			22065613-00 4000 K - 3423 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	1,45	22065613-3941 3000 K - 3251 lm - CRI>90
			22065613-1241 4000 K - 3423 lm - CRI>90



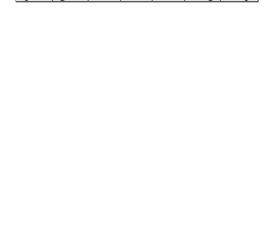
#### Jet 230

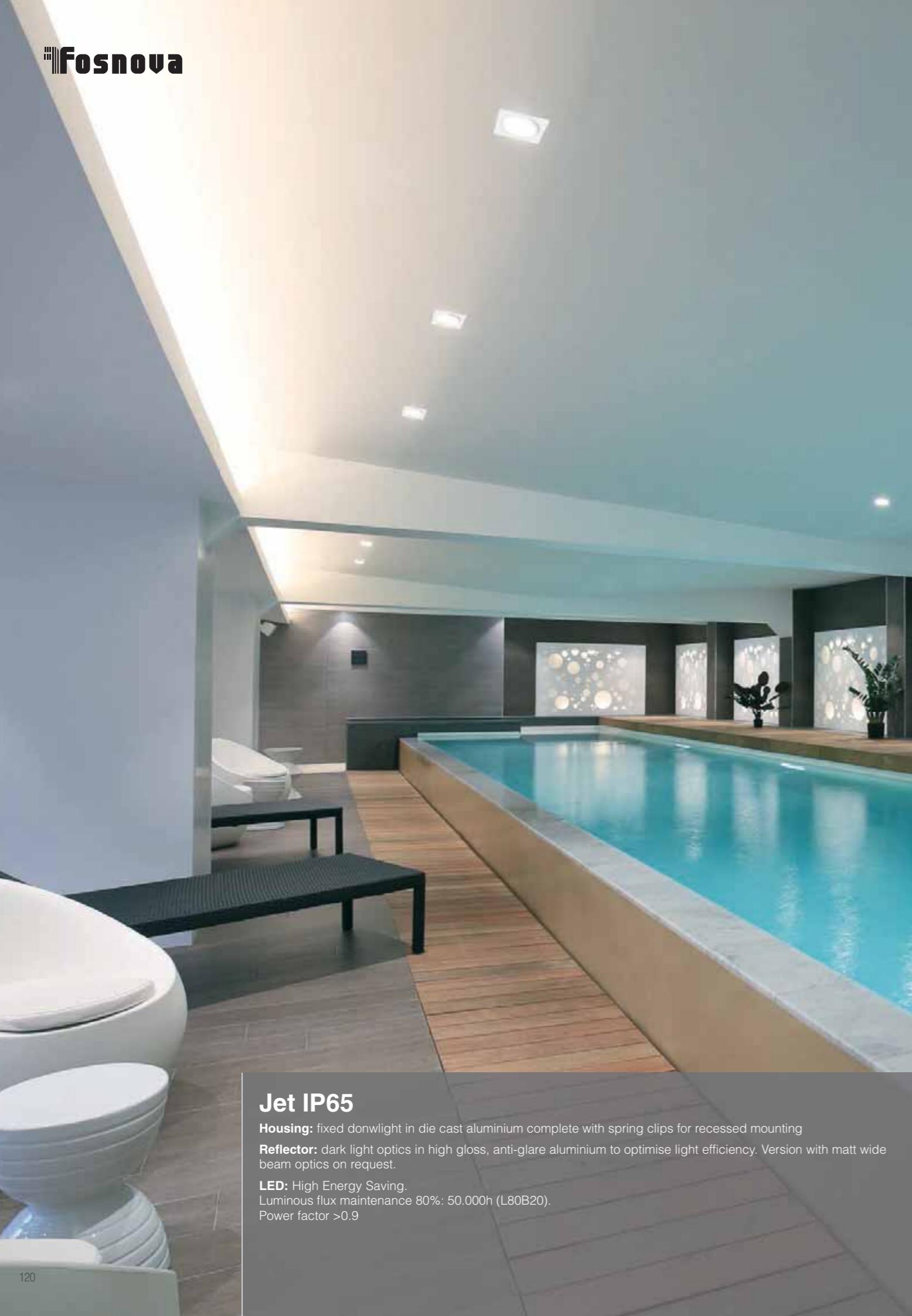
CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	K - ølm - CRI
<b>COB</b>	white	2,20	22065616-39 3000 K - 5304 lm - CRI>90
			22065616-00 4000 K - 5584 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	2,20	22065616-3941 3000 K - 5304 lm - CRI>90
			22065616-1241 4000 K - 5584 lm - CRI>90



#### Jet 250

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	K - ølm - CRI
<b>COB</b>	white	2,25	22065618-39 3000 K - 5304 lm - CRI>90
			22065618-00 4000 K - 5584 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	2,25	22065618-3941 3000 K - 5304 lm - CRI>90
			22065618-1241 4000 K - 5584 lm - CRI>90

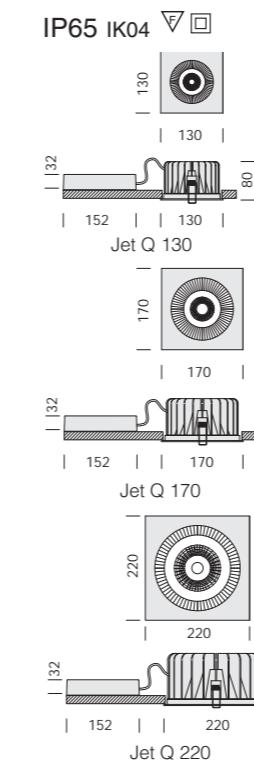




## Jet IP65

**Housing:** fixed downlight in die cast aluminium complete with spring clips for recessed mounting  
**Reflector:** dark light optics in high gloss, anti-glare aluminium to optimise light efficiency. Version with matt wide beam optics on request.  
**LED:** High Energy Saving.  
Luminous flux maintenance 80%: 50.000h (L80B20).  
Power factor >0.9

## Jet IP65



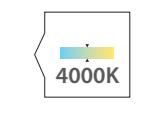
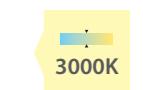
Jet Q 130



Jet Q 170



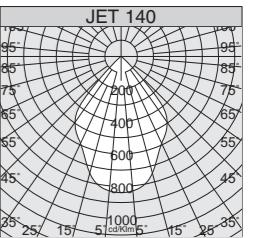
Jet Q 250



### Jet Q 130

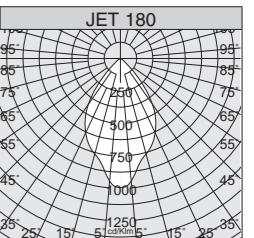
CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	W tot	K - ølm - CRI
<b>COB</b>	white	22065712-39	3000 K - 1797 lm - CRI>90
		22065712-00	4000 K - 1892 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	22065712-3941	3000 K - 1797 lm - CRI>90
		22065712-1241	4000 K - 1892 lm - CRI>90

Version with matt wide beam optics on request.



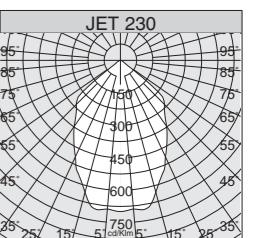
### Jet Q 170

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	W tot	K - ølm - CRI
<b>COB</b>	white	22065713-39	3000 K - 3251 lm - CRI>90
		22065713-00	4000 K - 3423 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	22065713-3941	3000 K - 3251 lm - CRI>90
		22065713-1241	4000 K - 3423 lm - CRI>90



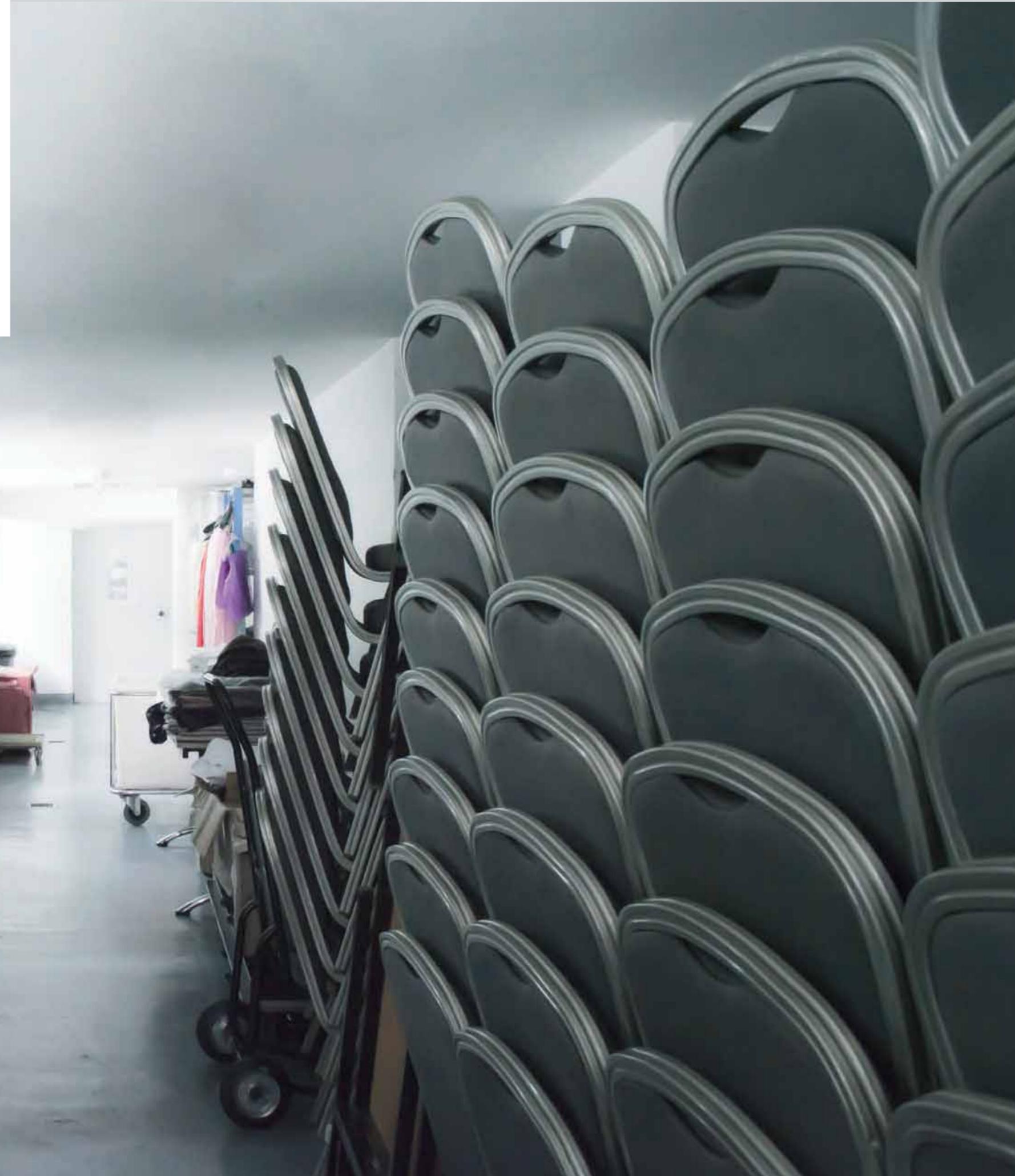
### Jet Q 220

CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	W tot	K - ølm - CRI
<b>COB</b>	white	22065716-39	3000 K - 5304 lm - CRI>90
		22065716-00	4000 K - 5584 lm - CRI>90
<b>CLD D-DIG (DALI)</b>			
<b>COB</b>	white	22065716-3941	3000 K - 5304 lm - CRI>90
		22065716-1241	4000 K - 5584 lm - CRI>90



★ ★ ★ ★  
Hotel  
★ ★ ★ ★ ★

## Technical areas



Forma	pag. 124
Tortuga	pag. 126
Pastilla	pag. 128
Globo 2.0	pag. 130



## Forma

**Housing:** made of pressed steel, drawn in a single piece for high mechanical resistance. Supplied with frame.

**Coating:** polyester powder for better resistance to corrosion and saline environment.

**Standard supply:** silicone rubber gasket and nylon fibreglass cable gland.

**On request:** emergency unit.

**LED:** power factor: ≥0,9. Luminous flux maintenance 80%: 50.000h (L80B20).

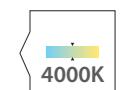
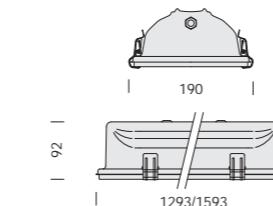
Photobiological safety class: exempt group.

Allowable ambient temperature : -25°C to + 40°C.

We recommend using this version for applications with direct exposure to sunlight.

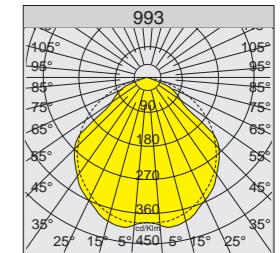
## Forma

IP65IK08

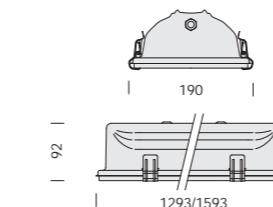


### 993 Forma - with transparent glass

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)		
		weight	L	code	W tot	K - olm - CRI
<b>LED</b>	s. silver	7.20	1293	162457-00	<b>36</b>	4000 K - 4688 lm - CRI>80
				162447-00	<b>50</b>	4000 K - 6000 lm - CRI>80
<b>LED</b>	s. silver	9.00	1593	162448-00	<b>61</b>	4000 K - 8082 lm - CRI>80
				162458-00	<b>71</b>	4000 K - 9264 lm - CRI>80
<b>CLD-E</b>						
<b>LED</b>	s. silver	7.20	1293	162457-07	<b>36</b>	4000 K - 4688 lm - CRI>80
				162447-07	<b>50</b>	4000 K - 6000 lm - CRI>80
<b>LED</b>	s. silver	9.00	1593	162448-07	<b>61</b>	4000 K - 8082 lm - CRI>80
				162458-07	<b>71</b>	4000 K - 9264 lm - CRI>80

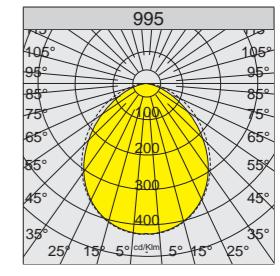


IP65IK08



### 995 Forma - with etched glass

LED	colour	CLD		LUMEN OUTPUT (tq= 25 °C)		
		weight	L	code	W tot	K - olm - CRI
<b>LED</b>	s. silver	7.20	1293	162455-00	<b>36</b>	4000 K - 4378 lm - CRI>80
				162445-00	<b>50</b>	4000 K - 5635 lm - CRI>80
<b>LED</b>	s. silver	9.00	1593	162446-00	<b>61</b>	4000 K - 7547 lm - CRI>80
				162456-00	<b>71</b>	4000 K - 8650 lm - CRI>80





## Tortuga

Round-shape LED fixture with opal polycarbonate diffuser that can be easily installed to the ceiling/wall; ideal for entrance areas, corridors, stairways, waiting rooms, hotels, restaurants and residential spaces. Available in two sizes ( $\varnothing 305/400$  mm) and in the standard 3000K/4000K version and in the 3h emergency version with light-presence sensor (ON-OFF).

Tortuga is the energy-efficient and modern alternative to luminaires with traditional light sources.

**Housing:** vandal-resistant, self-extinguishing polycarbonate.

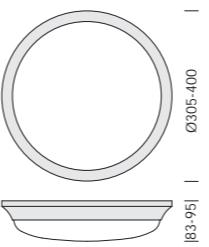
**Diffuser:** In clear polycarbonate, anti-dazzle, vandal resistant.

**LED:** Luminous flux maintenance 70% 30.000h (L70B50).

Power factor >0.9.

## Tortuga IP54

IP54 IK07 □ ▽



3000K

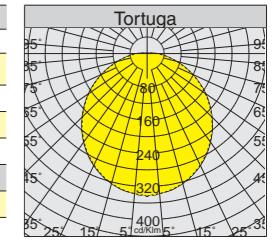
4000K

CRI  
>80

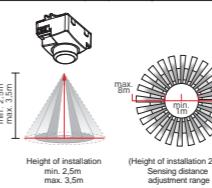
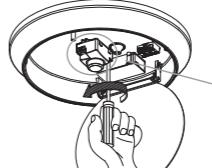
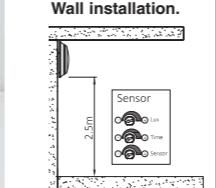
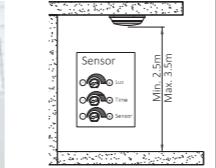
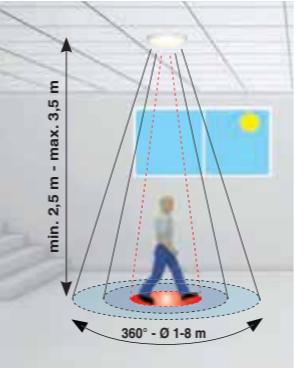
30.000h  
L70B50

## Tortuga

CLD			LUMEN OUTPUT (tq= 25 °C)			
LED	colour	weight	Ø mm	code	W tot	K - ø lm - CRI
LED	white	1.00	Ø305	22042410-00 22042411-00	17	3000 K - 1368 lm - CRI>80 4000 K - 1488 lm - CRI>80
LED	white	1.15	Ø400	22042412-00 22042413-00	28	3000 K - 2403 lm - CRI>80 4000 K - 2614 lm - CRI>80
<b>CLD-E - Emergency SA</b>						
LED	white	1.00	Ø305	22042410-09 22042411-09	18	3000 K - 1368 lm - CRI>80 4000 K - 1488 lm - CRI>80
LED	white	1.15	Ø400	22042412-09 22042413-09	30	3000 K - 2403 lm - CRI>80 4000 K - 2614 lm - CRI>80
<b>CLD-EC</b>						
LED	white	1.00	Ø305	22042410-0050 22042411-0050	18	3000 K - 1368 lm - CRI>80 4000 K - 1488 lm - CRI>80
LED	white	1.15	Ø400	22042412-0050 22042413-0050	30	3000 K - 2403 lm - CRI>80 4000 K - 2614 lm - CRI>80
<b>CLD with light / presence sensor (ON-OFF)</b>						
LED	white	1.00	Ø305	22042410-19 22042411-19	17	3000 K - 1368 lm - CRI>80 4000 K - 1488 lm - CRI>80
LED	white	1.15	Ø400	22042412-19 22042413-19	28	3000 K - 2403 lm - CRI>80 4000 K - 2614 lm - CRI>80



### Ceiling installation.



SENSOR - TECHNICAL SPECIFICATIONS	
Detection area	360°
Detection distance	Ø 1-8 m (regolabile)
Installing height	min. 2,5 - max. 3,5 m
Hold time	10 sec - 12 min
Ambient light	10 - 2000 Lux
Power consumption	~ 0,9 W
High frequency (HF system)	5,8 GHz
Operating temperature	-15°C ÷ 70°C



## Pastilla

**Pastilla** is a high-efficiency LED fixture, an ideal upgrade solution to traditional lamps. Its simple yet modern design, along with the supplied bracket, ensures quick installation into different spaces, including corridors, stairways, bathrooms, entrance halls or public areas. It is available in three diameter sizes ( $\varnothing 220/280/330$  mm) and in the standard 3000K/4000K version, or with light-presence detectors (ON-OFF) on request.

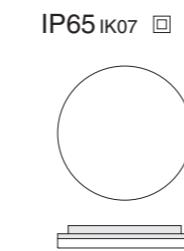
**Housing:** vandal-resistant, self-extinguishing polycarbonate.

**Diffuser:** In clear polycarbonate, anti-dazzle, vandal resistant.

**LED:** Luminous flux maintenance 80% 30.000h (L80B20).

Power factor >0.9.

## Pastilla IP65



3000K

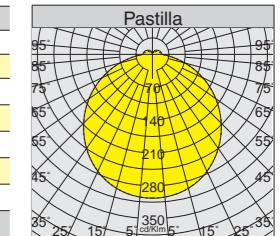
4000K

CRI  
80

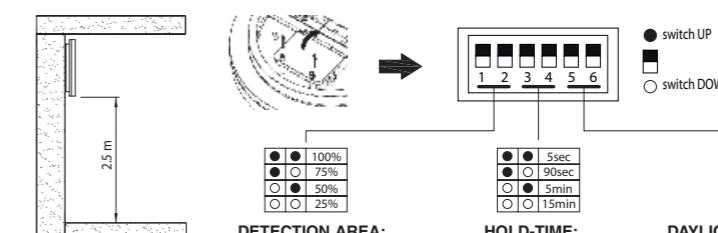
30.000h  
L70B50



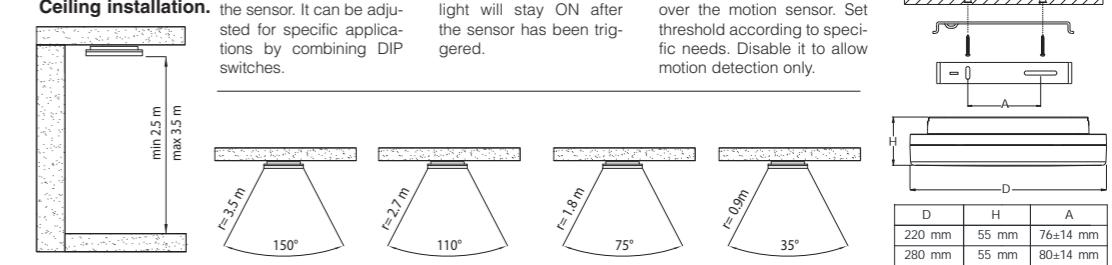
Pastilla						
CLD		LUMEN OUTPUT (tq= 25 °C)				
LED	colour	poids	$\varnothing$ mm	code	W tot	K - ø lm - CRI
<b>LED</b>	white	0.60	$\varnothing$ 220	22042510-00	15	3000K - 1328 lm - CRI 80
				22042511-00		4000K - 1444 lm - CRI 80
<b>LED</b>	white	0.80	$\varnothing$ 280	22042512-00	18	3000K - 1651 lm - CRI 80
				22042513-00		4000K - 1796 lm - CRI 80
<b>LED</b>	white	1.00	$\varnothing$ 330	22042514-00	24	3000K - 2273 lm - CRI 80
				22042515-00		4000K - 2473 lm - CRI 80
CLD-EC						
<b>LED</b>	white	0.60	$\varnothing$ 220	22042510-0050	15	3000K - 1328 lm - CRI 80
				22042511-0050		4000K - 1444 lm - CRI 80
<b>LED</b>	white	0.80	$\varnothing$ 280	22042512-0050	18	3000K - 1651 lm - CRI 80
				22042513-0050		4000K - 1796 lm - CRI 80
<b>LED</b>	white	1.00	$\varnothing$ 330	22042514-0050	24	3000K - 2273 lm - CRI 80
				22042515-0050		4000K - 2473 lm - CRI 80
CLD - Radar Sensor						
<b>LED</b>	white	0.80	$\varnothing$ 280	22042512-19	18	3000K - 1651 lm - CRI 80
				22042513-19		4000K - 1796 lm - CRI 80
<b>LED</b>	white	1.00	$\varnothing$ 330	22042514-19	24	3000K - 2273 lm - CRI 80
				22042515-19		4000K - 2473 lm - CRI 80



### Wall installation.



### Ceiling installation.



Examples of possible detection area setups (150°-110°-75°-35°) and related detection distances ( $r=3.5m-2.7m-1.8m-0.9m$ )

**Equipment:** supplied with bracket for ceiling/wall installation.



D	H	A
220 mm	55 mm	76±14 mm
280 mm	55 mm	80±14 mm
330 mm	55 mm	90±20 mm



## Globo 2.0

**Housing:** vandal resistant, self-extinguishing, UV-stabilised anti-yellowing polycarbonate and and external finishing ring in ABS.

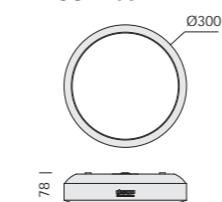
**Diffuser:** vandal resistant, self-extinguishing, UV-stabilised anti-glare polycarbonate; dustproof.

**LED:** power factor: ≥0,9

Luminous flux maintenance 80%: 50.000h (L80B20)

## Globo 2.0

IP65 IK08

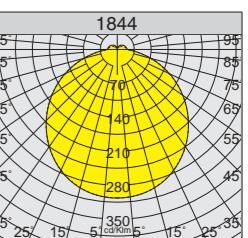


4000K

3000K

CRI  
≥80

50.000h  
L80B20



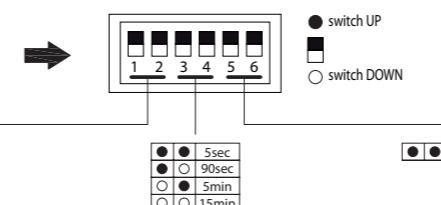
### 1844 Globo 2.0

		CLD		LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - olm - CRI
LED	white	0.90	427249-00	14	4000 K - 1550 lm - CRI>80
			427249-39		3000 K - 1441 lm - CRI>80
					<b>CLD radar sensor</b>
LED	white	0.90	427249-19	14	4000 K - 1550 lm - CRI>80

**Sur demande :** avec majoration du prix disponible version EM (sous-code -07).

**Built-in RADAR SENSOR (sub-code -19):** is an automatic sensor that immediately sense the presence of people's movements and anyone walking past. When there is movement within the sensor's detection range, the light will remain ON. When no further movement is detected, the light will switch OFF after a pre-set time.

**Upon request:** versions available in different colours and surface finishes to coordinate with any architectural design.

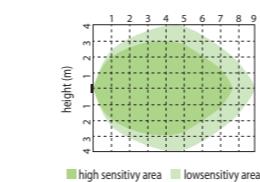
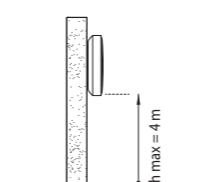


**DETECTION AREA:**  
is the area scanned by the sensor. It can be adjusted for specific applications by combining DIP switches.

**HOLD-TIME:**  
is the period of time the light will stay ON after the sensor has been triggered.

**DAYLIGHT THRESHOLD:**  
Disable, motion detection only.

#### Wall installation.



Factory settings: Detection distance: 8m - Hold time: 5sec

Power	220-240V AC 50/60 Hz	Mounting height	wall: 4m ceiling: 5 m
Frequency	5.8GHz CW Radar, ISM band - 0,2 - <10 mW	Nominal load	800 W (resistive) 400 W (inductive)
Detection area	ceiling: 30°-150°	Energy consumption	<0,5 W
Detection distance (adjustable)	ceiling: Ø 1-8 m	Hold Time (adjustable)	5s, 90s, 5min., 15min.



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