



AT YOUR INVESTMENT

# INVESTMENT OFFICE / HEADQUARTERS & BRANCHES



🏠 Investment office:

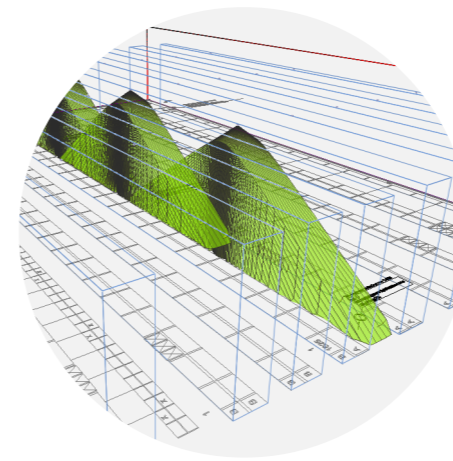
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## WE DESIGN...

We design lighting projects for both private and business clients, supporting them throughout every stage of investment.

## WE RESEARCH...

In our state-of-the-art laboratory, every product undergoes testing to ensure full compliance with current standards and regulations. This guarantees the highest quality and safety. The Laboratory is equipped with such devices as:

- Goniophotometer
- EMC (electromagnetic compatibility)
- Ulbricht spheres
- High-precision laboratory power supplies
- Mechanical impact resistance tester

**Our Research & Development Centre** also develops product modifications to improve efficiency and extend service life.



G P M - 1 6 0 0 L  
goniophotometer

## WE MANUFACTURE...

All our luminaires are manufactured using components from the world's leading producers, ensuring maximum flexibility and easy adaptation to any client's needs. Our portfolio includes decorative linear luminaires, spot luminaires, and a wide range of industrial luminaires.

PROVIDING LIGHTING SOLUTIONS SINCE 2007





**WE PROVIDE A COMPLEX OFFER OF LUMINAIRES**

In our catalogue, you can find a wide choice of luminaires with different properties, designed for different investment types. Our luminaires have all admissions and certificates required by the Polish Standard, and we use the following lighting control systems: DALI, DALI2, CORRIDOR FUNCTION, CASAMBI, SwitchDIM. (p. 184)

8-39 Linear luminaire systems

40-57 Office luminaires

58-67 Emergency luminaires

68-83 Downlight luminaires

107-123 Hermetic luminaires

106-123 Industrial luminaires

124-145 Outdoor lighting luminaires

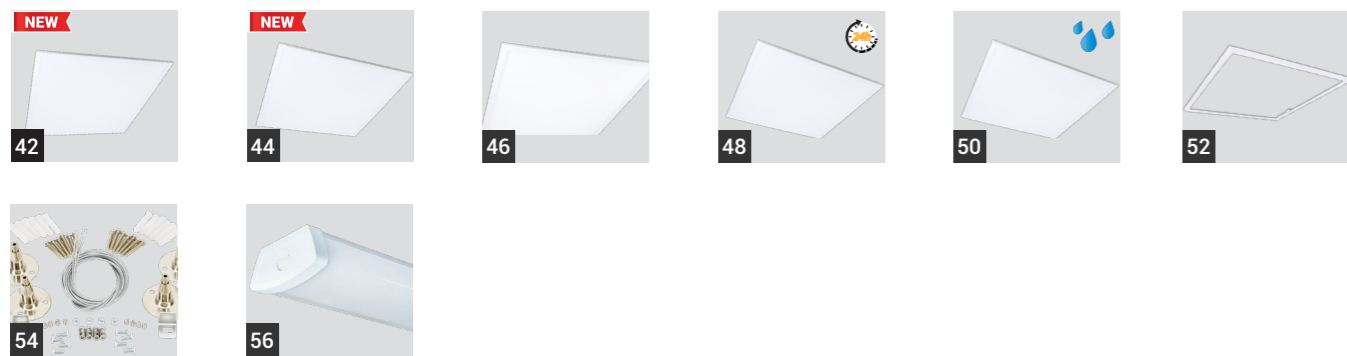


# TABLE OF CONTENTS

## 8 LINEAR LUMINAIRE SYSTEMS



## 40 OFFICE & INDOOR LUMINAIRES



## 58 EMERGENCY LUMINAIRES



## 68 DOWNLIGHT LUMINAIRES



## 84 FLUSH CEILING LIGHTS



## 106 HERMETIC LUMINAIRES



## 124 INDUSTRIAL LUMINAIRES

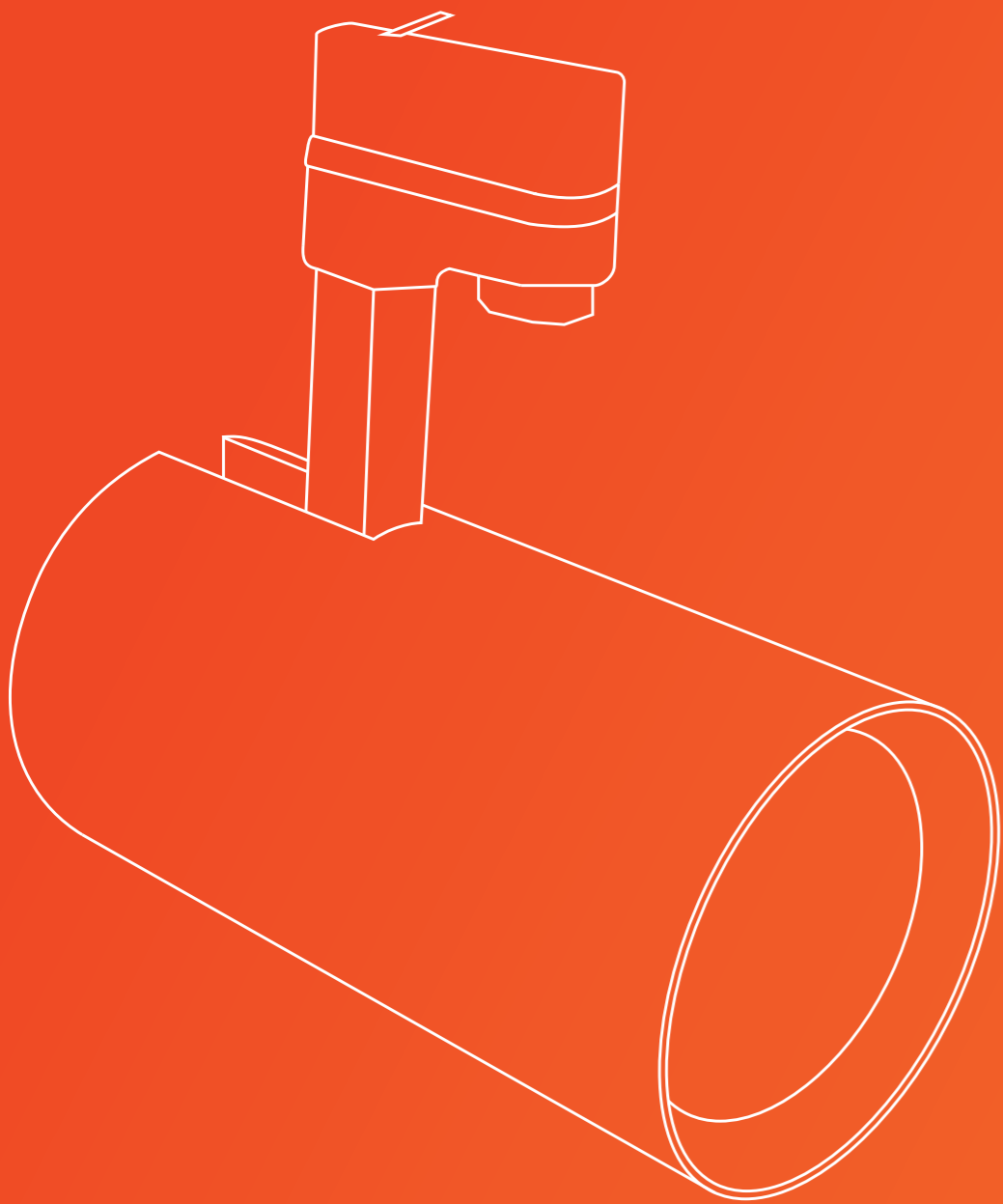


## 146 OUTDOOR LIGHTING LUMINAIRES



## 176 DALI MOTION SENSORS AND CONTROL

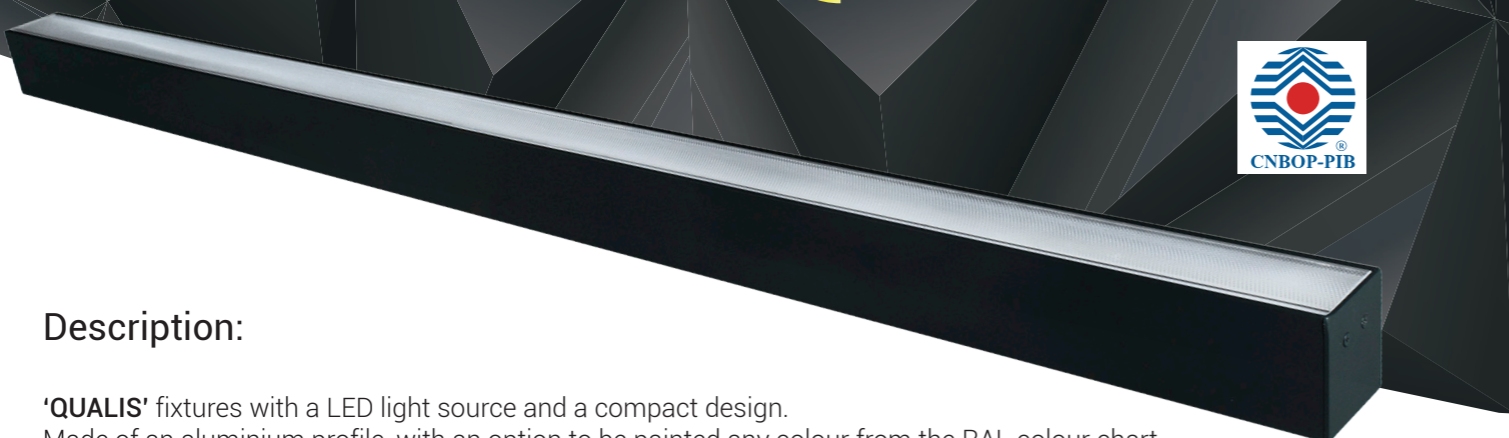




# LINEAR LUMINAIRE SYSTEMS



# LINEAR LUMINAIRE QLS 'QUALIS'



## Description:

'QUALIS' fixtures with a LED light source and a compact design. Made of an aluminium profile, with an option to be painted any colour from the RAL colour chart. The series offers a wide range of variants with different luminous flux levels and power ratings. Easy installation directly to the surface or in suspended systems. Hanging set and power cord are not included.

'QUALIS' is a modern line of linear luminaires manufactured in Poland.

Manufactured with attention to detail using premium-quality materials. 'QUALIS' linear fixtures are an excellent lighting choice for offices, shopping centres, stores, service facilities, gyms, fitness clubs and many other establishments where product appearance and lighting parameters matter. Thanks to extended configuration possibilities (colours, length, optics, installation method), 'QUALIS' fixtures can be adjusted to your needs. The fixtures are covered by a 5-year warranty.

An option to change fixture parameters for a special order or for a given project.

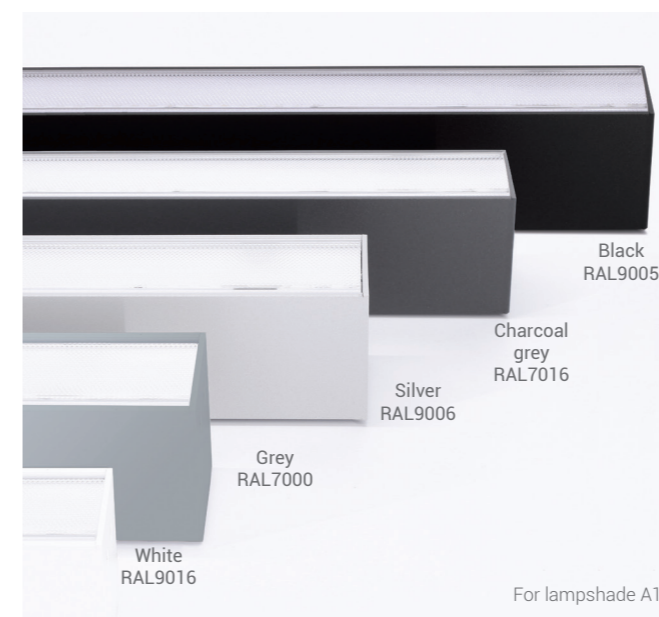
## Use:

- representative rooms
- office and commercial facilities
- car dealers
- galleries, museums



\*after meeting the specific warranty conditions

## Standard housing colours



## Fixture section



Code Index	Power*	Colour temperature**	Luminous flux	Power factor	Colour Rendering Index (CRI)***	Service life: L70B50 / L80B20 / L90B10	Luminous efficacy	Weight
QLS-056	15 W	3K / 4K	2,100 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	0.97 kg
QLS-084	22 W	3K / 4K	3,080 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	1.46 kg
QLS-112	30 W	3K / 4K	4,200 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	1.94 kg
QLS-140	38 W	3K / 4K	5,320 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	2.22 kg
QLS-168	46 W	3K / 4K	6,440 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	2.66 kg
QLS-196	54 W	3K / 4K	7,560 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	3.20 kg
QLS-224	60 W	3K / 4K	8,400 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	3.60 kg
QLS-30L	15 W	3K / 4K	2,100 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	1.20 kg
QLS-30T	22 W	3K / 4K	3,080 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	1.65 kg
QLS-30Y	22 W	3K / 4K	3,080 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	1.65 kg
QLS-30X	30 W	3K / 4K	4,200 lm	>0.95	≥80	141,000 h / 74,000 h / 32,000 h	140 lm/W	2.10 kg

\*possibility to change the luminous flux value  
 \*\*3,000 K and 4,000 K – standard versions; 5,000 K – upon request  
 \*\*\*CRI≥80 – standard version; CRI≥90 – upon request

Fixture model	Single option	Connection option	3-core cables	5-core cables	Emergency module	IP44 option	DIM switch	Bluetooth control	DALI control
QLS-056	✓	✓	✓	✓	X	✓	✓	✓	✓
QLS-084	✓	✓	✓	✓	X	✓	✓	✓	✓
QLS-112	✓	✓	✓	✓	✓	✓	✓	✓	✓
QLS-140	✓	✓	✓	✓	✓	✓	✓	✓	✓
QLS-168	✓	✓	✓	✓	✓	✓	✓	✓	✓
QLS-196	✓	✓	✓	✓	✓	✓	✓	✓	✓
QLS-224	✓	✓	✓	✓	✓	✓	✓	✓	✓
QLS-30L	✓	✓	✓	✓	X	X	✓	✓	✓
QLS-30T	✓	✓	✓	✓	X	X	✓	✓	✓
QLS-30Y	✓	✓	✓	✓	X	X	✓	✓	✓
QLS-30X	✓	✓	✓	✓	X	X	✓	✓	✓

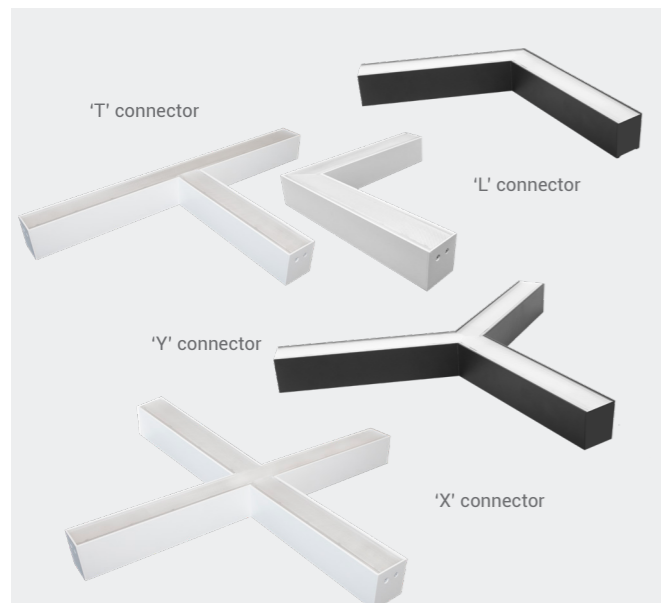
\*available only for single, suspended versions

## Installation methods



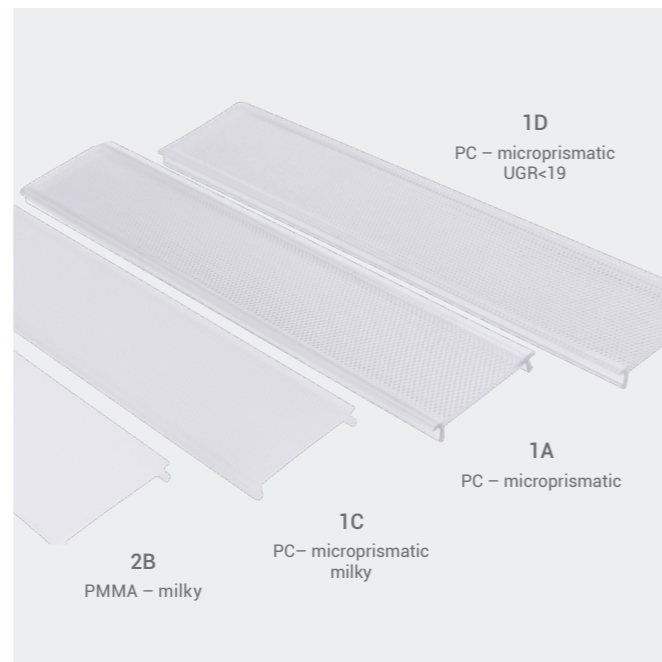
\*Cord with holder: Standard or ARMSTRONG  
Cord lengths: 1.5 m / 3.0 m / 5.0 m (other lengths – optional)

## L, T, Y and X connectors

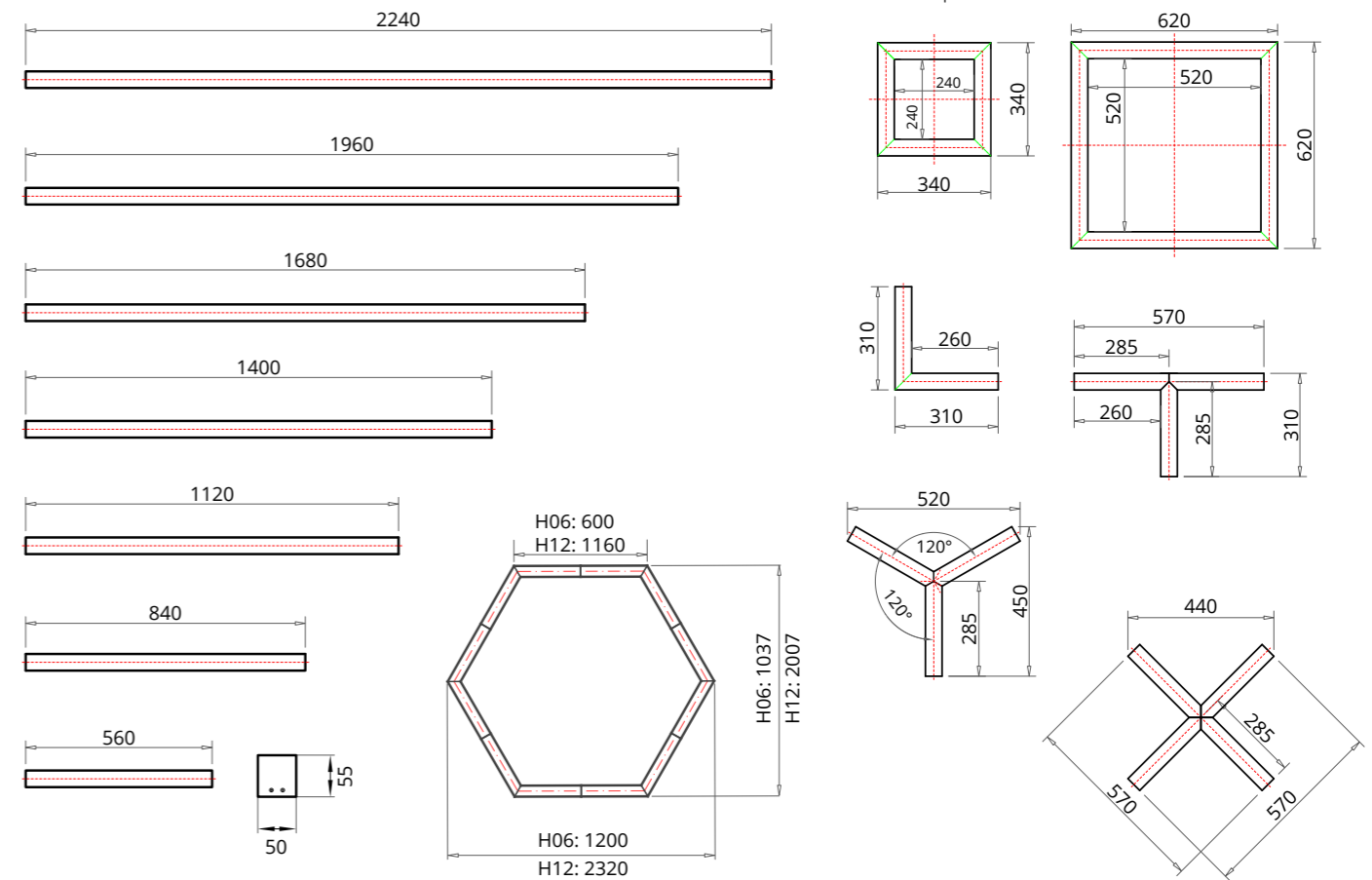


The connectors are compatible with other QLS system components.

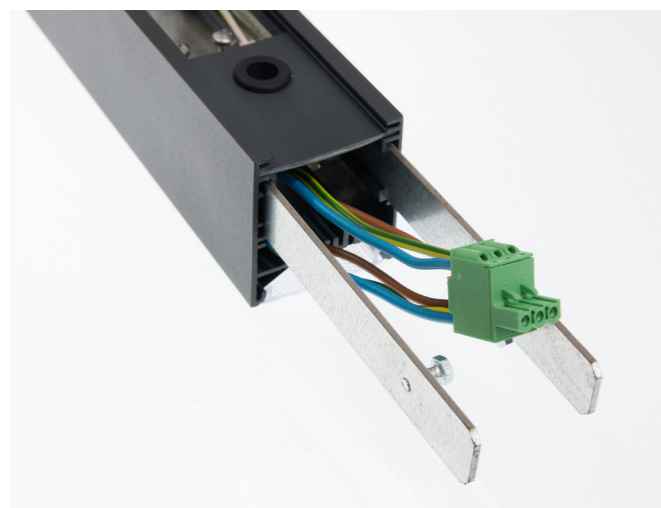
## Four versions of covers available



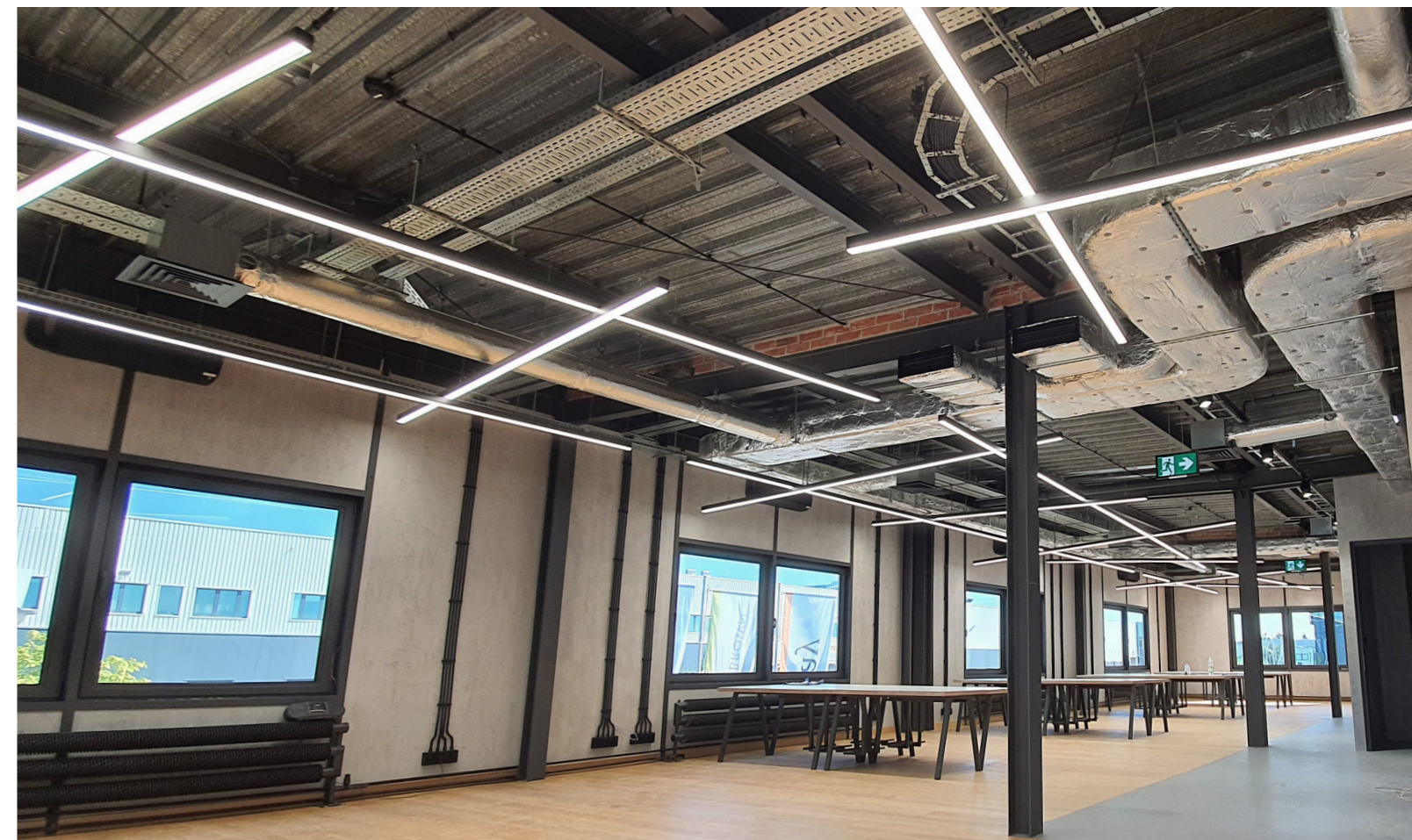
## Dimensions



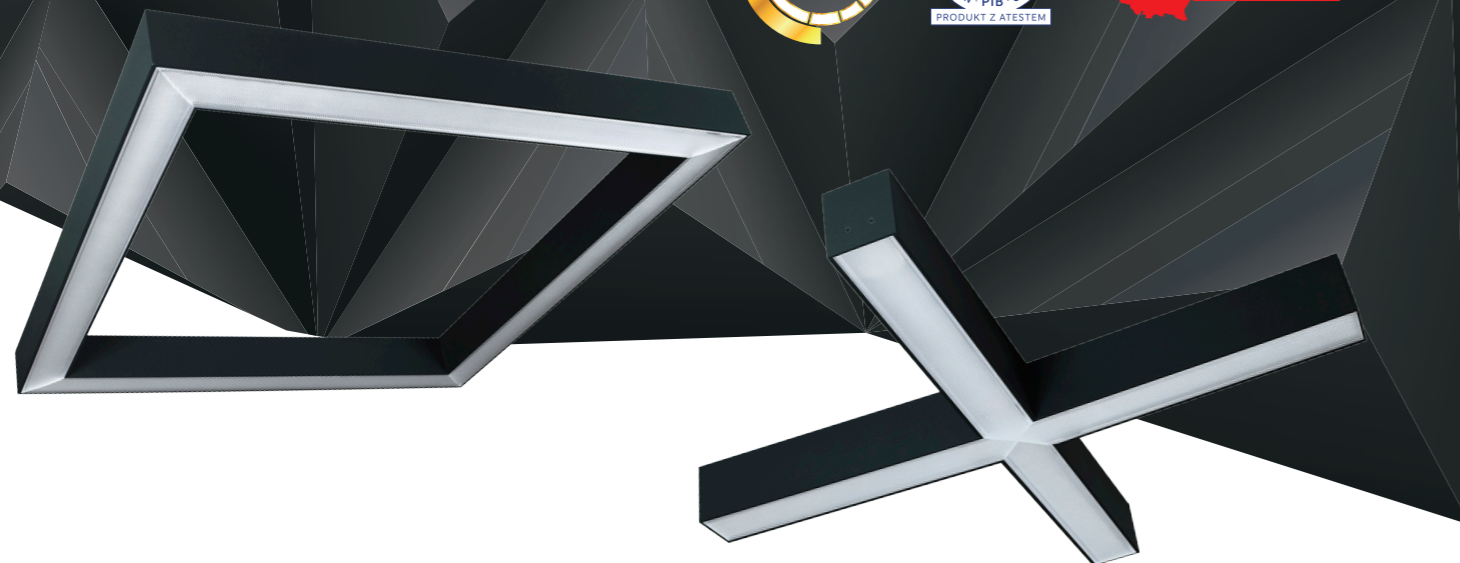
## Simple luminaire connection



## Optional motion sensors



# DECORATIVE FIXTURE QLS-S/X 'QUALIS SQUARE/CROSS'



## Description:

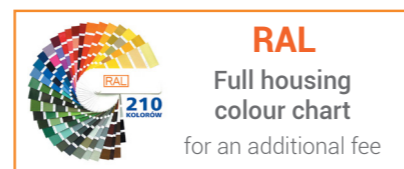
The innovative technology of 'QUALIS' has been reimagined for modern spatial luminaires. Two basic square models are available in the size 340x340 mm and 620x620 mm, and as an 'X' version in the size 1,144x1,144 mm.

The functionality of the QLS system makes it possible to create a luminaire in a size which fits 'QUALIS' luminaire sections used normally (56 cm; 84 cm; 112 cm; 140 cm; 168 cm; 196 cm; 224 cm) using 'L' and 'T' type connectors. This allows a variety of geometric figures to be created, giving the interior of the room additional aesthetic value.

The versatility of linear fixtures makes it possible to install them in surface or hanging systems. 'SQUARE' and 'CROSS' versions are compatible with different control systems and covered by a 5-year warranty.

## Use:

- representative rooms
- office and commercial facilities
- car dealers
- galleries, museums
- hotels



\*after meeting the specific warranty conditions

## Modern look



### Custom housing colour (from RAL colour chart)



### Configuration option



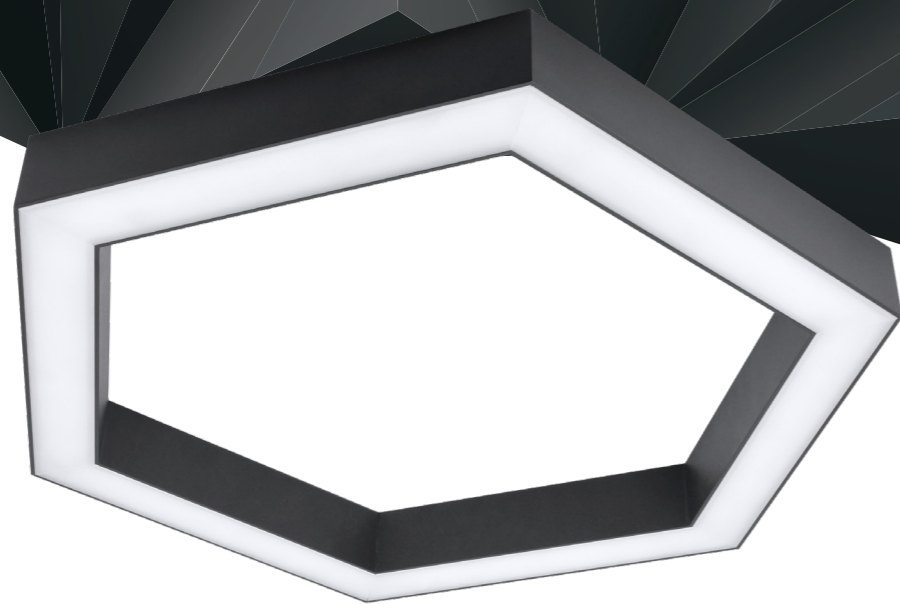
Code Index	Power*	Colour temperature**	Luminous flux	Power factor	Colour Rendering Index (CRI)***	Service life L70B50 / L80B20	Luminous efficacy	Weight	Dimensions (l×w×h)
QLS-S34	30 W	3,000 K 4,000 K	4,200 lm	>0.95	≥80	141,000 h / 74,000 h	140 lm/W	2.24 kg	340x340x55 mm
QLS-S62	60 W	3,000 K 4,000 K	8,400 lm	>0.95	≥80	141,000 h / 74,000 h	140 lm/W	3.80 kg	620x620x55 mm
QLS-60X	60 W	3,000 K 4,000 K	8,400 lm	>0.95	≥80	141,000 h / 74,000 h	140 lm/W	3.80 kg	1144x1144x55 mm

\*possibility to change the luminous flux value  
 \*\*3,000 K and 4,000 K – standard versions; 5,000 K and 5,700 K – upon request  
 \*\*\*CRI≥80 – standard version; CRI≥90 – upon request

Fixture model	Single option	Emergency module	IP44 option	DIM switch	Bluetooth control	DALI control
QLS-S34	✓	X	X	✓	✓	✓
QLS-S62	✓	✓	X	✓	✓	✓
QLS-S11834	✓	✓	X	✓	✓	✓
QLS-60X	✓	✓	X	✓	✓	✓

\*available only for single, suspended versions

# DECORATIVE FIXTURE QLS-H 'HEXAGON'



## Description:

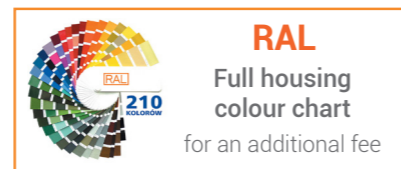
The innovative technology of 'QUALIS' has been reimagined for modern spatial luminaires. There are new items in our offer – two basic hexagonal models in the size:

- H06 – 600×1200×1037 mm
- H12 – 1160×2320×2007 mm

The versatility of linear fixtures makes it possible to install them in surface or hanging systems. QLS version is compatible with different control systems and covered by a 5-year warranty.

## Use:

- representative rooms
- office and commercial facilities
- galleries, museums
- hotels



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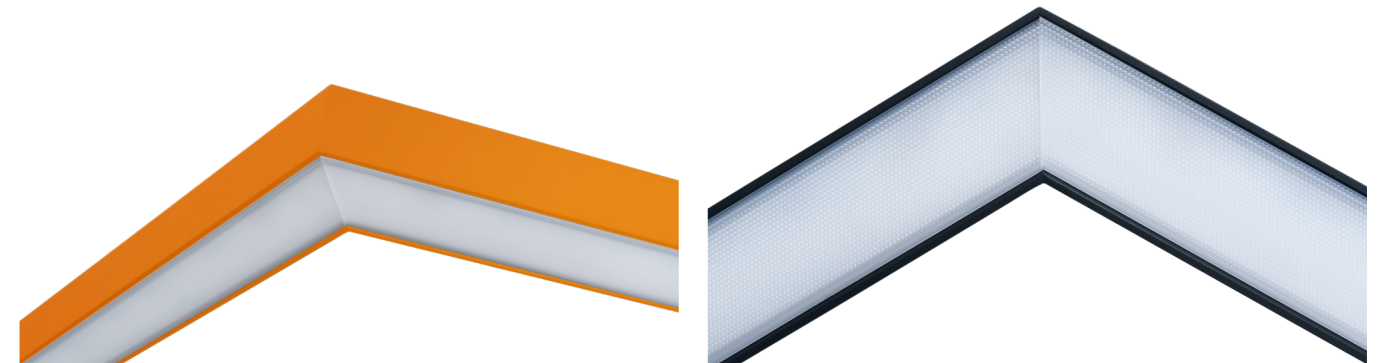
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\*after meeting the specific warranty conditions



Custom housing colour  
(from RAL colour chart)

Modern look



Code Index	Power*	Colour temperature**	Luminous flux	Power factor	Colour Rendering Index (CRI)***	Service life L70B50 / L80B20	Luminous efficacy	Dimensions
QLS-H03	32W	3,000 K 4,000 K	4,200 lm	>0.95	≥80	160,000 h / 85,000 h	140 lm/W	630x550x320mm
QLS-H06	30 W	3,000 K 4,000 K	4,200 lm	>0.95	≥80	160,000 h / 85,000 h	140 lm/W	1200x1037x600mm
QLS-H12	60 W	3,000 K 4,000 K	8,400 lm	>0.95	≥80	160,000 h / 85,000 h	140 lm/W	2320x2007x1160mm

\*possibility to change the luminous flux value  
 \*\*3,000 K and 4,000 K – standard versions; 5,000 K and 5,700 K – upon request  
 \*\*\*CRI≥80 – standard version; CRI≥90 – upon request

Fixture model	Single option	Connection option	3-core cables	5-core cables	Emergency module	IP44 option	DIM switch	Bluetooth control	DALI control
QLS-H03	✓	X	X	X	X	X	✓	✓	✓
QLS-H06	✓	X	X	X	X	X	✓	✓	✓
QLS-H12	X	✓	✓	✓	X	X	✓	✓	✓

# LINEAR LUMINAIRE QLS-K 'QUALIS KINKIET'



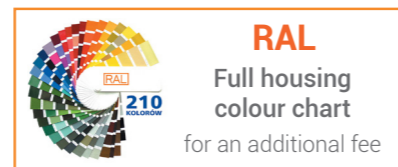
## Description:

'QUALIS KINKIET' is a wall-mounted version of the well-known 'QUALIS' linear luminaire. Thanks to their simple and minimalist form, the brackets harmonise with any modern, elegant interior design.

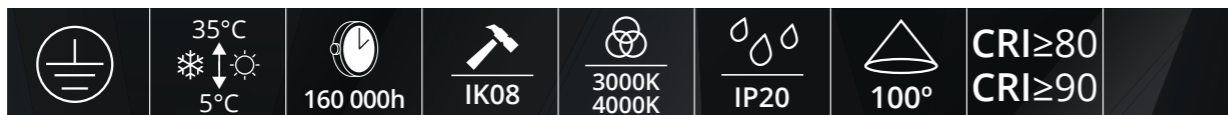
The product is made with the utmost care for every detail and with the use of superior-quality materials. The fixtures are covered by a 5-year warranty.

## Use:

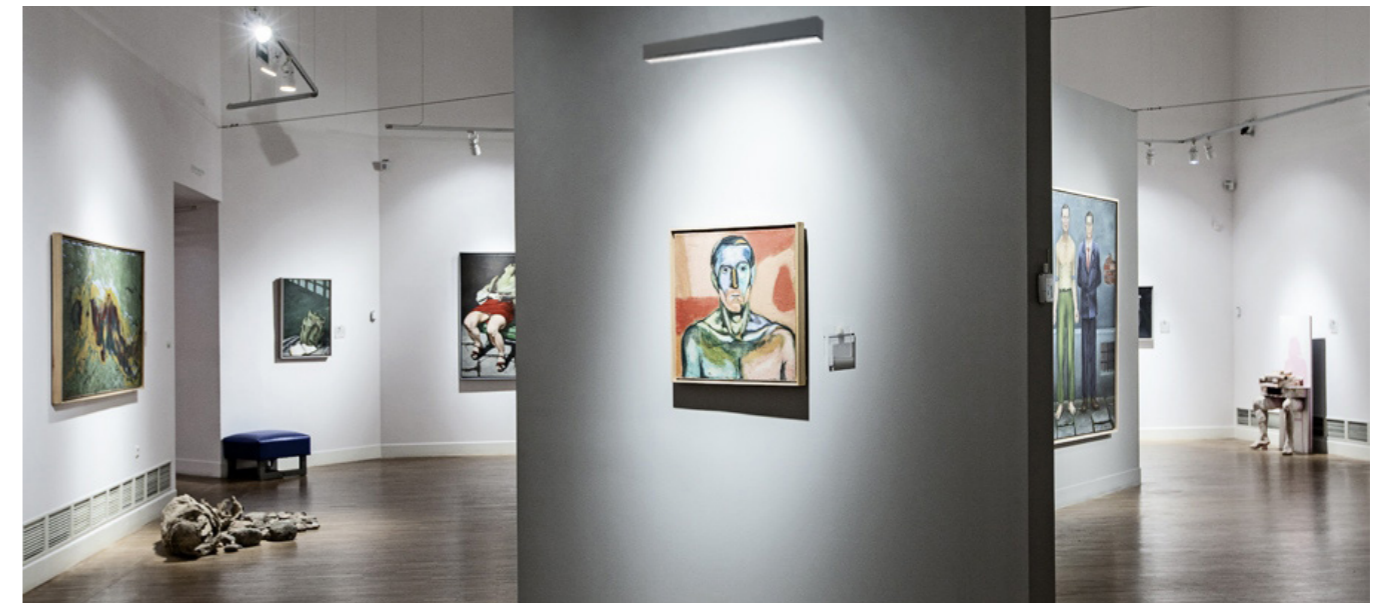
- representative rooms
- office and commercial facilities
- car dealers
- galleries, museums, hotels



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**TRIDONIC**

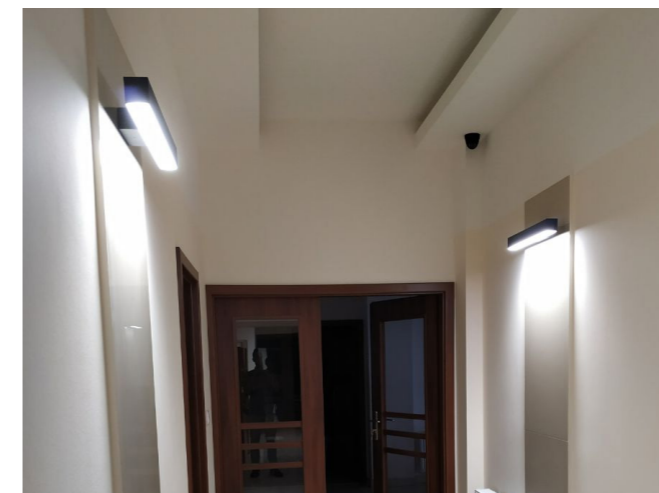


\*after meeting the specific warranty conditions  
\*using dedicated power supplies



## Wall-mounted

## Motion sensor

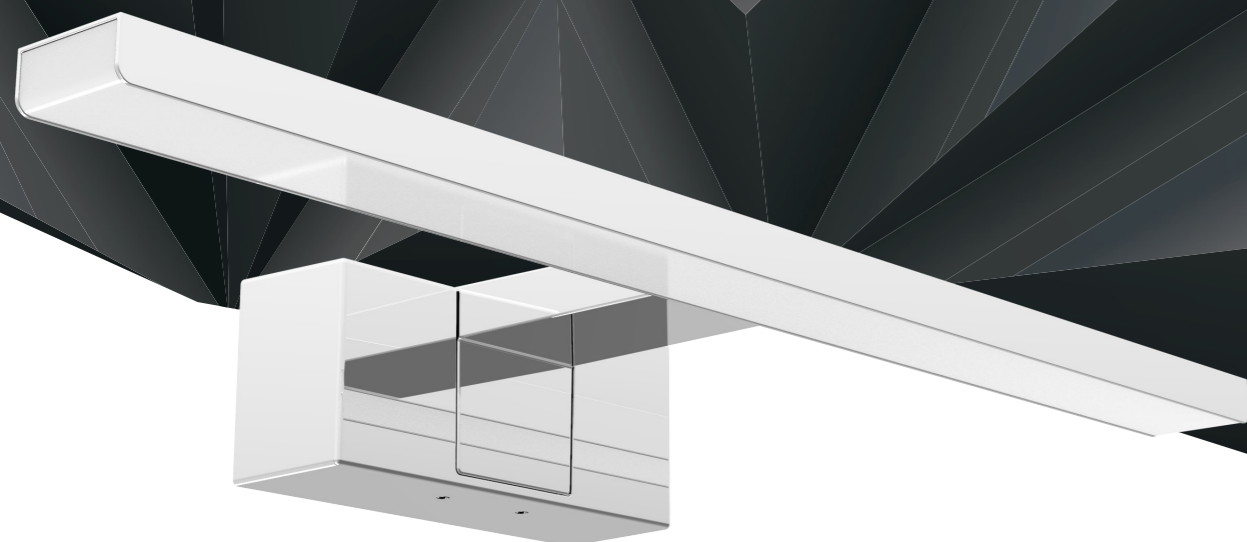


Code Index	Power*	Colour temperature**	Luminous flux	Power factor	Colour Rendering Index (CRI)***	Service life L70B50 / L80B20	Luminous efficacy	Weight	Dimensions (l×w×h)
QLS-K56	15 W	3,000 K 4,000 K	2,100 lm	>0.95	≥80	160,000 h / 85,000 h	140 lm/W	1.2 kg	560×100×55 mm
QLS-K84	22 W	3,000 K 4,000 K	3,080 lm	>0.95	≥80	160,000 h / 85,000 h	140 lm/W	1.46 kg	840×100×55 mm
QLS-K12	30 W	3,000 K 4,000 K	4,200 lm	>0.95	≥80	160,000 h / 85,000 h	140 lm/W	1.94 kg	1,120×100×55 mm

\*possibility to change the luminous flux value  
\*\*3,000 K and 4,000 K – standard versions; 5,000 K – upon request  
\*\*\*CRI≥80 – standard version; CRI≥90 – upon request

Fixture model	Single option	Connection option	Emergency module	IP44 option	DIM switch	Bluetooth control	DALI control
QLS-K56	✓	X	X	✓	✓	✓	✓
QLS-K84	✓	X	X	✓	✓	✓	✓
QLS-K12	✓	X	✓	✓	✓	✓	✓

# LINEAR LUMINAIRE MLK MIRROR LIGHT 'KEIRA'

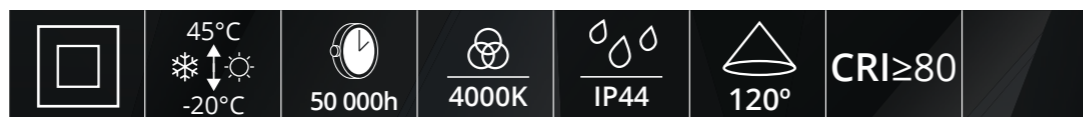


## Description:

'KEIRA' is the most recent item in the linear fixture line, designed for rooms with elevated humidity – IP44. The bracket has a versatile 3-in-1 installation system, so it can be easily installed on a cabinet, a wall or above a bathroom mirror. The lamp has a built-in light source based on LED SMD diodes with a durability of up to 50,000 h.

## Use:

- bathrooms
- walk-in wardrobes and changing rooms
- art galleries

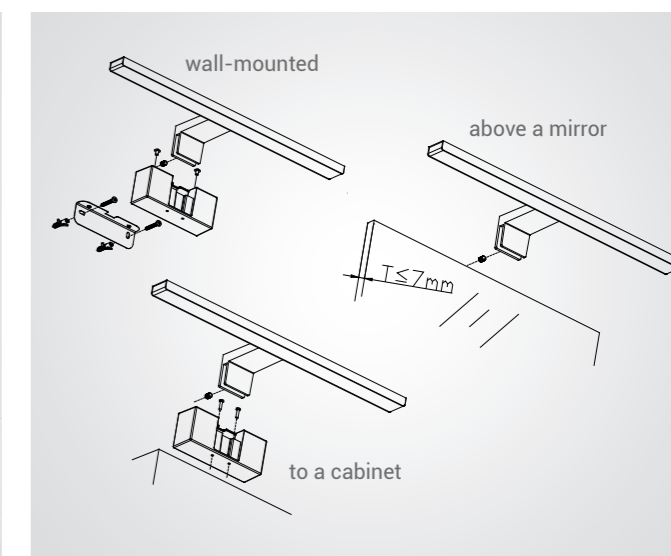


\*after meeting the specific warranty conditions

## Standard housing colours



## Three installation options



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions (l×w×h)
MLK-400-4K	8 W	4,000 K	560 lm	>0.5	≥80	120°	70 lm/W	400×128×51 mm
MLK-600-4K	12 W	4,000 K	840 lm	>0.5	≥80	120°	70 lm/W	600×128×51 mm
MLK-800-4K	15 W	4,000 K	1,050 lm	>0.5	≥80	120°	70 lm/W	800×128×51 mm

# LINEAR LUMINAIRE QLR 'QUALER'



## Description:

'QUALER' is a new release in the line of linear luminaires in recessed mounting systems. Its construction allows for simple, safe installation in suspended ceiling systems with the use of mounting clips. The luminaire is based on modern LED diodes by Samsung embedded in an aluminium housing. QLR has a high luminous efficacy of up to 150 lm/W. Connecting the luminaire is possible using "Phoenix" electrical connector.

**QLR – 'QUALER' is a modern recessed fixture manufactured in Poland.**

The product is made with the utmost care for every detail and with the use of superior-quality materials.

'QUALER' is an excellent choice both for private rooms and office spaces. Thanks to extended configuration possibilities (colours, length, optics, installation method), QLR fixtures can be adjusted to your needs. The fixtures are covered by a 5-year warranty.

## Use:

- representative rooms
- office and commercial facilities
- car dealers
- galleries, museums
- hotels



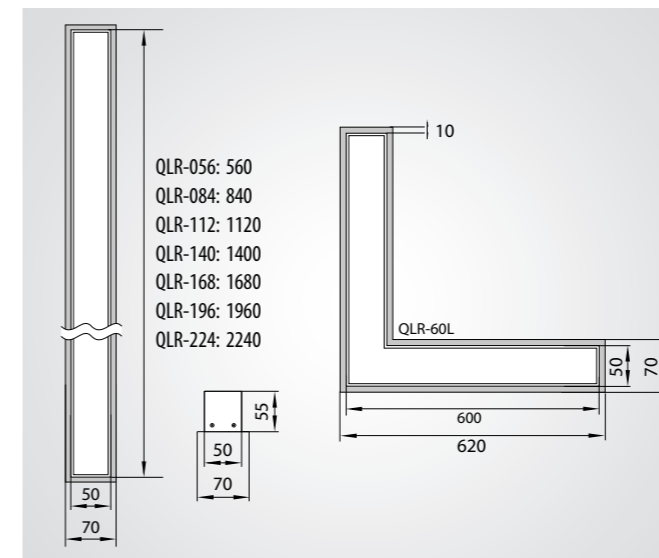
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- 35°C / 5°C
- 160 000h
- IK08
- 3000K / 4000K
- IP20
- 100°
- CRI ≥ 80 / CRI ≥ 90

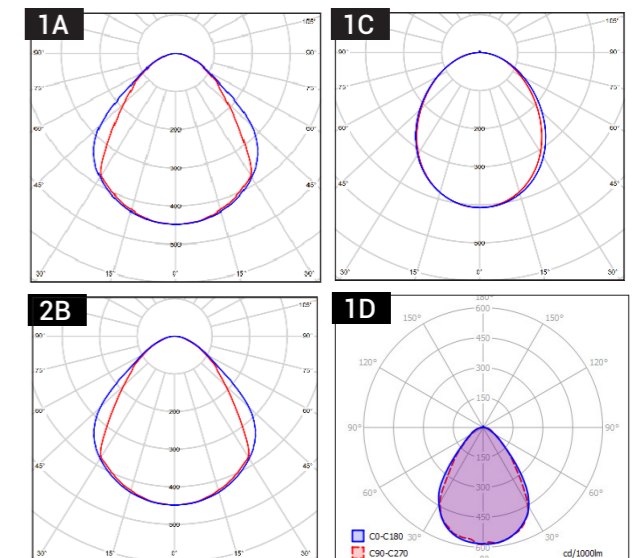
\*after meeting the specific warranty conditions



## Dimensions



## Light distribution curve



Code Index	Power*	Colour temperature**	Luminous flux	Power factor	Colour Rendering Index (CRI)***	Service life L70B50 / L80B20	Luminous efficacy	Dimensions (l×w×h)
QLR-056	15 W	3,000 K 4,000 K	2,250 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	560×70×55 mm
QLR-084	22 W	3,000 K 4,000 K	3,300 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	840×70×55 mm
QLR-112	30 W	3,000 K 4,000 K	4,500 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	1,120×70×55 mm
QLR-140	38 W	3,000 K 4,000 K	5,700 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	1,400×70×55 mm
QLR-168	46 W	3,000 K 4,000 K	6,900 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	1,680×70×55 mm
QLR-196	54 W	3,000 K 4,000 K	8,100 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	1,960×70×55 mm
QLR-224	60 W	3,000 K 4,000 K	9,000 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	2,240×70×55 mm
QLR-60L	30 W	3,000 K 4,000 K	4,500 lm	>0.95	≥80	160,000 h / 85,000 h	150 lm/W	620×70×55 mm

\*possibility to change the luminous flux value

\*\*3,000 K and 4,000 K – standard versions; 5,000 K – upon request

\*\*\*CRI≥80 – standard version; CRI≥90 – upon request

# LINEAR LUMINAIRE LOR 'LORIEN'



## Description:

Our new **LOR 'Lorien'** linear luminaires are renowned for their exceptional quality and durability.

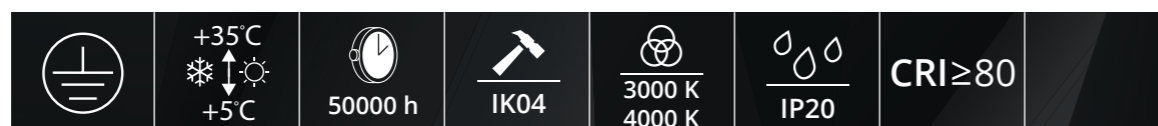
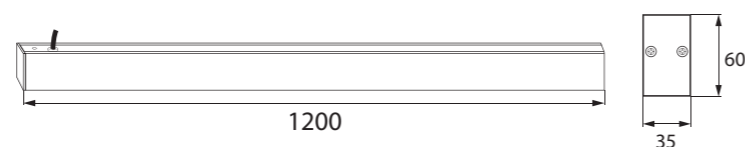
**LOR** features an isolated, surge-resistant power supply. The reflector and opal shade ensure a uniform light surface without shadows. Can be combined with motion sensors. The luminaire comes with a long 100 cm power cable that matches the colour of the housing. Installation accessories for both suspended and surface mounting are included with the luminaire.

Alternatively, the luminaire can be installed on a 3-circuit busbar. As illustrated in the picture, this allows for the use of the SPOT luminaire in large area stores, among others. The adapters used for the LORIEN luminaire are fixed and not adjustable.

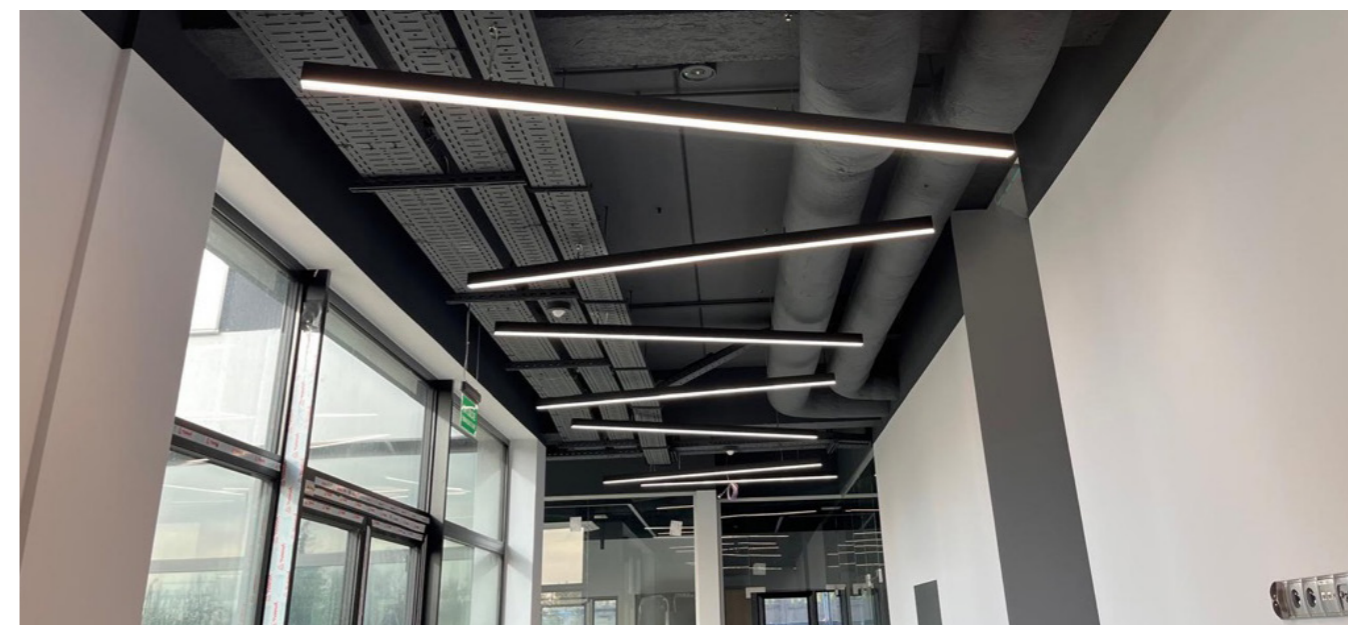
Optional: a set of round rosettes in the colour of the luminaire housing.

## Use:

- representative rooms
- office and commercial facilities
- car dealers
- galleries, museums
- hotels



\*after meeting the specific warranty conditions



## Installation on the 3F busbar



## Optional ceiling rosettes



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Luminous efficacy	Dimensions (l×w×h)
LOR-23BL	23 W	3,000 K 4,000 K	2,480 lm 2,650 lm	>0.90	≥80	108 lm/W 115 lm/W	1,200×35×60 mm
LOR-23WH	23 W	3,000 K 4,000 K	2,760 lm 3,000 lm	>0.90	≥80	120 lm/W 130 lm/W	1,200×35×60 mm
LOR-30BL	30 W	3,000 K 4,000 K	3,150 lm 3,450 lm	>0.90	≥80	105 lm/W 115 lm/W	1,200×35×60 mm
LOR-30WH	30 W	3,000 K 4,000 K	3,600 lm 3,900 lm	>0.90	≥80	120 lm/W 130 lm/W	1,200×35×60 mm
LOR-40BL	40 W	3,000 K 4,000 K	4,200 lm 4,400 lm	>0.90	≥80	105 lm/W 110 lm/W	1,200×35×60 mm
LOR-40WH	40 W	3,000 K 4,000 K	4,600 lm 5,000 lm	>0.90	≥80	115 lm/W 125 lm/W	1,200×35×60 mm

# SPOT LED VSK 'VASKO'



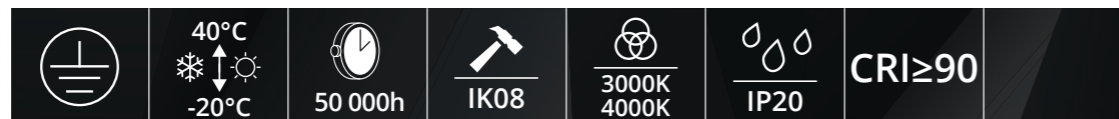
## Description:

A new model of SPOT luminaire – the 'Vasko' luminaire, has been designed to offer multiple options from a single unit, which are often required for illuminating commercial spaces. The main advantages of this model include adjustable power settings ranging from 12W–40W and a selectable beam angles of either 25° or 55°. With a colour rendering index of CRI>90, the 'Vasko' luminaire is particularly well-suited for museums and exhibition galleries.

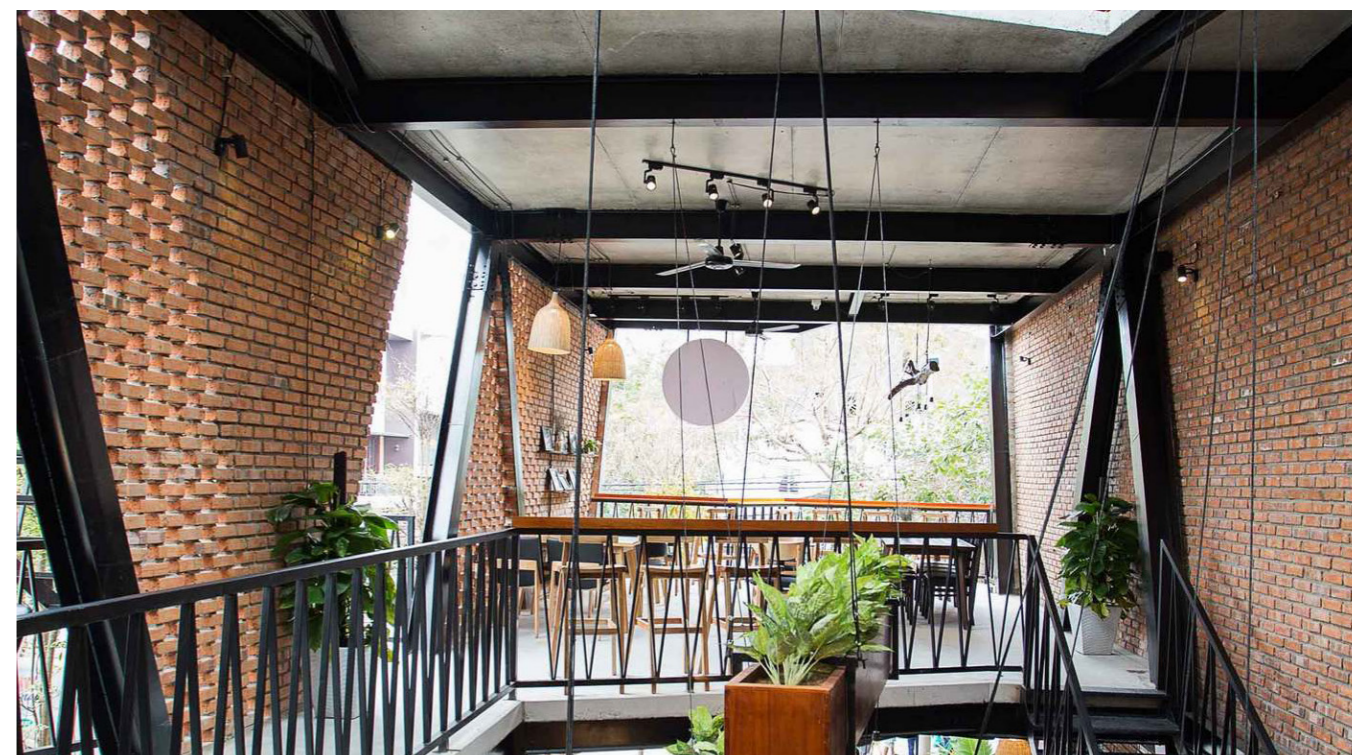
It boasts high luminous efficacy, a contemporary design and a movable head that allows the luminaire to be positioned and the light to be directed precisely as needed.

## Use:

- shopping centres
- office buildings
- circulation spaces
- museums, exhibition galleries
- large area stores
- hotels

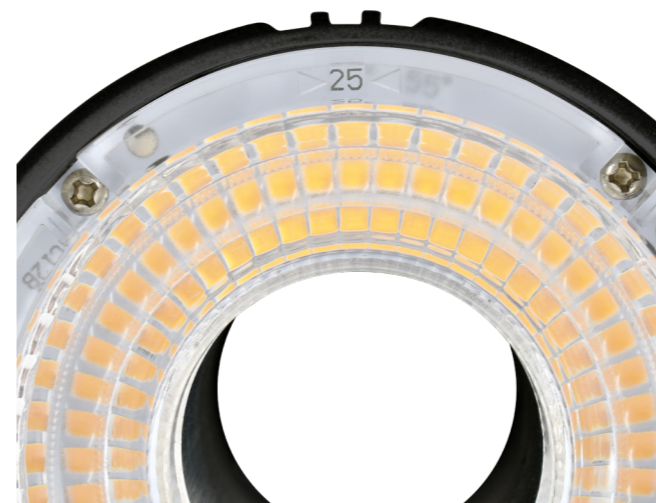


\*after meeting the specific warranty conditions



Two beam angles 25° / 55°

Adapter with power supply for installation



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Dimensions (l×w×h)
VSK-3F-040BL-3K	12/30/40 W	3,000 K	4,400 lm	>0.9	≥90	25° / 55°	Ø94×100 mm
VSK-3F-040BL-4K	12/30/40 W	4,000 K	4,400 lm	>0.9	≥90	25° / 55°	Ø94×100 mm
VSK-3F-040WH-3K	12/30/40 W	3,000 K	4,400 lm	>0.9	≥90	25° / 55°	Ø94×100 mm
VSK-3F-040WH-4K	12/30/40 W	4,000 K	4,400 lm	>0.9	≥90	25° / 55°	Ø94×100 mm

# SPOT LED VPR 'VIPER'





## Description:


A spotlight fixture for rail installation, perfect for product display lighting. Various temperature colours and lampshades with different beam angles allow to create a configuration which perfectly harmonises with a given room. 'VIPER' has a very high luminous efficacy, which influences other parameters. Thanks to its modern, stylish look, the fixture is a good choice for most rooms. A moving head allows for guiding the beam in any direction. The housing is made of high-quality aluminium in black or white. Other housing colours from the RAL colour chart are available.


## Use:

- representative rooms
- office and commercial facilities
- car dealers
- galleries, museums
- hotels

 **GOLD** – warm (yellow) light recommended for bread, cheese and pastries, e.g. cakes.

 **MEAT** – pinkish (red) light recommended for meat, cured meat, but also red flowers and fruit.

 **FASHION** – neutral colour of ca. 4000-4500K with a high saturation of particular components of spectrum of visible light. Recommended for cosmetics, clothes, jewellery, and also dairy.

 **ART** – this type of light emphasizes the colour and texture of the item thanks to the high CRI factor >98. The illuminated object looks natural, and its colours resemble colours under sunlight.

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**TRIDONIC**

	35°C 5°C	 50 000h	 3000K 4000K	 IP20	<b>CRI ≥ 80</b> <b>CRI ≥ 90</b>
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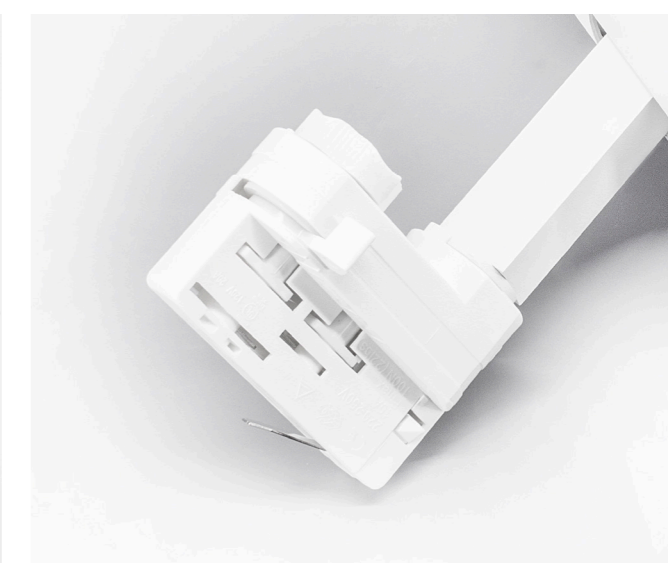
\*after meeting the specific warranty conditions



## Diode with reflector



## Connector for mounting in the rail



Code Index	Power	Colour temperature*	Luminous flux	Power factor	Colour Rendering Index (CRI)**	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
VPR-16x	16	3,000 K 4,000 K	2,000 lm	>0.9	≥80	15° 24° 38°	120 lm/W	1.57 kg	Ø120×220 mm
VPR-29x	29	3,000 K 4,000 K	3,700 lm	>0.9	≥80	15° 24° 38°	120 lm/W	1.57 kg	Ø120×220 mm
VPR-37x	37	3,000 K 4,000 K	4,900 lm	>0.9	≥80	15° 24° 38°	120 lm/W	1.57 kg	Ø120×220 mm

x – colour symbol: B = BLACK; W = WHITE (other colours upon request)  
\*3,000 K and 4,000K – standard versions; other versions upon request  
\*\*CRI ≥ 80 – standard version; other versions upon request

# SPOT LED VPR 'VIPER A-MINI, D-MINI



- GOLD** – warm (yellow) light recommended for bread, cheese and pastries, e.g. cakes.
- MEAT** – pinkish (red) light recommended for meat, cured meat, but also red flowers and fruit.
- FASHION** – neutral colour of ca. 4000-4500K with a high saturation of particular components of spectrum of visible light. Recommended for cosmetics, clothes, jewellery, and also dairy.
- ART** – this type of light emphasizes the colour and texture of the item thanks to the high CRI factor >98. The illuminated object looks natural, and its colours resemble colours under sunlight.

## Description:

The 'VIPER' spotlight in the following versions **A-MINI, D, D-MINI** is equipped with modern light sources **COB LED**. It is perfect for illuminating areas where precision lighting and focused beam are required. It is an excellent complement to overall sales and exposition lighting. The fixture is designed to be installed on a 3-circuit (3-phase) track rail, thanks to the special connector built in the rail. The luminaires are made of high-quality aluminium and available in basic colours: white and black (any colour from the RAL colour chart is available upon request). We offer reflectors with the following beam angle: **15°, 23°, 38°, 45°, 60°**. Thanks to its smaller size, the luminaire has a more discreet design.

## Use:

- shopping centres
- shop displays
- exposition areas
- lighting of small objects
- office and living spaces



\*after meeting the specific warranty conditions



The fixture is available in white and black

Connector for mounting in the rail



Code Index	Power	Colour temperature*	Power factor	Colour Rendering Index (CRI)**	Beam angle	Luminous efficacy	Weight	Dimensions
spot-viper-AM-xx	9-27 W	3,000 K 4,000 K	>0.9	≥80	15° 24° 38° 45° 60°	110 lm/W	0.87 kg	Ø86×115 mm
spot-viper-DM-xx	9-27 W	3,000 K 4,000 K	>0.9	≥80	15° 24° 38° 45° 60°	110 lm/W	0.87 kg	Ø86×185 mm
spot-viper-D-xx	9-37 W	3,000 K 4,000 K	>0.9	≥80	15° 24° 38° 45° 60°	110 lm/W	1.57 kg	Ø107×225 mm

x – colour symbol: B = BLACK; W = WHITE (other colours upon request)  
 \*3,000 K and 4,000 K – standard versions; other versions available upon request  
 \*\*CRI≥80 – standard version; CRI≥90 upon request

LUXMENA  
**SPOT LED  
 VRS 'VEROS'**



- GOLD** – warm (yellow) light recommended for bread, cheese and pastries, e.g. cakes.
- MEAT** – pinkish (red) light recommended for meat, cured meat, but also red flowers and fruit.
- FASHION** – neutral colour of ca. 4000-4500K with a high saturation of particular components of spectrum of visible light. Recommended for cosmetics, clothes, jewellery, and also dairy.
- ART** – this type of light emphasizes the colour and texture of the item thanks to the high CRI factor >98. The illuminated object looks natural, and its colours resemble colours under sunlight.

**Description:**

'VEROS' **spotlight fixture** based on modern LED light sources designed for illuminating objects of different structure. It is perfect for illuminating areas where precision lighting and focused beam are required. It is an excellent complement to overall sales and exposition lighting.

The fixture is designed to be installed on a 3-circuit (3-phase) track rail, thanks to the special adapter built in the rail. The spotlights are made of high-quality aluminium and available in basic colours: white and black. (Any colour from the RAL colour chart is available upon request). We offer reflectors with the following beam angle: **15°, 24° and 38°**.

**Use:**

- shopping centres
- shop displays
- exposition areas
- office and living spaces

powered by  
**TRIDONIC**



\*after meeting the specific warranty conditions



**Black version of the fixture**



**Connector for mounting in the rail**



Code Index	Power	Colour temperature*	Luminous flux	Power factor	Colour Rendering Index (CRI)**	Beam angle	Luminous efficacy	Weight	Dimensions
VRS-16x	16 W	3,000 K 4,000 K	2,000 lm	>0.9	≥80	15° 24° 38°	120 lm/W	1.31 kg	Ø100×145 mm
VRS-29x	29 W	3,000 K 4,000 K	3,700 lm	>0.9	≥80	15° 24° 38°	120 lm/W	1.31 kg	Ø100×145 mm
VRS-37x	37 W	3,000 K 4,000 K	4,900 lm	>0.9	≥80	15° 24° 38°	120 lm/W	1.31 kg	Ø100×145 mm

x – colour symbol: B = BLACK; W = WHITE (other colours upon request)  
 \*3,000 K and 4,000K – standard versions; other versions upon request  
 \*\*CRI≥80 – standard version; other versions upon request

# SPOT LED VRM 'VEROS MINI'



## Description:

'VEROS' spotlight fixture in a 'MINI' version has a modern COB LED light source. It is designed for lighting objects of different structure. It is perfect for illuminating areas where precision lighting and focused beam are required.

It is an excellent complement to overall sales and exposition lighting. The fixture is designed to be installed on a 3-circuit (3-phase) track rail, thanks to the special connector built in the rail. The spotlights are made of high-quality aluminium and available in basic colours: white and black (any colour from the RAL colour chart is available upon request).

We offer reflectors with the following beam angle: **15°, 24° and 38°**. Thanks to its smaller size, the fixture has a more discreet design.

## Use:

- shopping centres
- shop displays
- exposition areas
- lighting of small objects
- office and living spaces



The fixture is available in white and black

Connector for mounting in the rail



Code Index	Power	Colour temperature*	Luminous flux	Power factor	Colour Rendering Index (CRI)**	Beam angle	Luminous efficacy	Weight	Dimensions
VRM-06x	6 W	3,000 K 4,000 K	600 lm	>0.9	≥80	15° 24° 38°	100 lm/W	0.87 kg	Ø80×130 mm
VRM-09x	9 W	3,000 K 4,000 K	900 lm	>0.9	≥80	15° 24° 38°	100 lm/W	0.87 kg	Ø80×130 mm
VRM-12x	12 W	3,000 K 4,000 K	1,200 lm	>0.9	≥80	15° 24° 38°	100 lm/W	0.87 kg	Ø80×130 mm
VRM-15x	15 W	3,000 K 4,000 K	1,500 lm	>0.9	≥80	15° 24° 38°	100 lm/W	0.87 kg	Ø80×130 mm
VRM-20x	20 W	3,000 K 4,000 K	2,000 lm	>0.9	≥80	15° 24° 38°	100 lm/W	0.87 kg	Ø80×130 mm
VRM-30x	30 W	3,000 K 4,000 K	3,000 lm	>0.9	≥80	15° 24° 38°	100 lm/W	0.87 kg	Ø80×130 mm

x – colour symbol: B = BLACK; W = WHITE (other colours upon request)  
 \*3,000 K and 4,000 K – standard versions; other versions available upon request  
 \*\*CRI≥80 – standard version; other versions available upon request



35°C  
↓  
5°C

50 000h

3000K  
4000K

IP20

CRI≥80  
CRI≥90

\*after meeting the specific warranty conditions

# SPOT LED VRK 'VERKO'



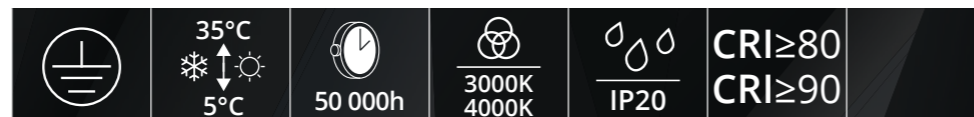
## Description:

'VERKO' spotlight fixture is a budget spotlight. The fixture has LED light sources, and it's designed for illuminating objects of different structure. Dedicated for commercial and exposition spaces as a complement to overall lighting. Precision, focused light beam perfectly draws attention to the illuminated object.

The spotlights are made of aluminium and available in basic colours: white and black. The offer covers models designed to be mounted on a 3-phase track rail in the **VRK-3F** version and models with replaceable light sources – **VRK-3F-GU10**. We offer reflectors with the following beam angle: **24°** and **36°**. Thanks to its smaller size, the fixture has a more discreet design.

## Use:

- shopping centres
- shop displays
- exposition areas
- lighting of small objects
- office and living spaces



## GU10 version of the fixture



## Connector for installation in the rail



Code Index	Power	Colour temperature*	Luminous flux	Power factor	Colour Rendering Index (CRI)**	Beam angle	Luminous efficacy	Dimensions
VRK-3F-030BL-3K	30 W	3,000 K	2,300 lm	>0.9	≥80	36°	76 lm/W	Ø75×180×210 mm
VRK-3F-030BL-4K	30 W	4,000 K	2,400 lm	>0.9	≥80	36°	80 lm/W	Ø75×180×210 mm
VRK-3F-030WH-3K	30 W	3,000 K	2,300 lm	>0.9	≥80	36°	76 lm/W	Ø75×180×210 mm
VRK-3F-030WH-4K	30 W	4,000 K	2,400 lm	>0.9	≥80	36°	80 lm/W	Ø75×180×210 mm
VRK-3F-GU10BL	Max. 1×35 W	-	-	-	-	-	-	Ø56×120×179 mm
VRK-3F-GU10WH	Max. 1×35 W	-	-	-	-	-	-	Ø56×120×179 mm

\*3,000 K and 4,000K – standard versions; other versions upon request

\*\*CRI≥80 – standard version; other versions upon request

Fixture model	CRI > 80					CRI > 90					Special colour temperatures				Bluetooth control	DALI control
	2,700 K	3,000 K	4,000 K	5,000 K	6,000 K	2,700 K	3,000 K	4,000 K	5,000 K	6,000 K	MEAT	GOLD	FASHION	ART		
	VIPER (VPR)	✓	✓	✓	X	X	✓	✓	✓	X	X	✓	✓	✓		
VEROS (VRS)	✓	✓	✓	X	X	✓	✓	✓	X	X	✓	✓	✓	✓	✓	✓
VEROS MINI (VRM)	✓	✓	✓	✓	X	✓	✓	X	X	X	X	X	X	X	X	X
VERKO (VRK)	X	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X	X



Track rails and 3-phase accessories



**max. 10 KG**  
Maximum busbar load



**max. 1 KG**  
Maximum point load



White 3-phase accessories

Black 3-phase accessories

Code	Description	Code	Description
AS3-05W	0.5 m rail	AS3-05B	0.5 m rail
AS3-10W	1.0 m rail	AS3-10B	1.0 m rail
AS3-15W	1.5 m rail	AS3-15B	1.5 m rail
AS3-20W	2.0 m rail	AS3-20B	2.0 m rail
AS3-ZPW	Right connection unit	AS3-ZPB	Right connection unit
AS3-ZLW	Left connection unit	AS3-ZLB	Left connection unit
AS3-LWW	Inner connector	AS3-LWB	Inner connector
AS3-LIW	90° inner connector	AS3-LIB	90° inner connector
AS3-LOW	90° outer connector	AS3-LOB	90° outer connector
AS3-DSW	Track rail endcap	AS3-DSB	Track rail endcap
AS3-ZML-B15W	Mounting kit – 1.5 m standard cord	AS3-ZML-B15B	Mounting kit – 1.5 m standard cord

Other accessories – flexible connectors, T and X-connectors upon request



OFFICE  
LUMINAIRES



# BACKLIGHT LED BLS 'BACKLIGHT' SUPERIOR

BACKLIGHT LED



## Description:

BLS 'BACKLIGHT' cover fixture is an excellent alternative to classic LED panels. Thanks to its innovative construction, the panel can be mounted both in suspended ceiling systems and on the wall surface. The choice of high-class LED diodes translates into excellent lighting parameters.

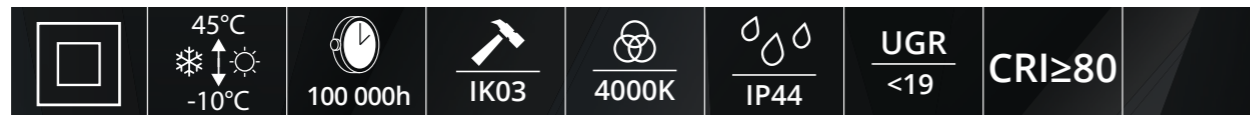
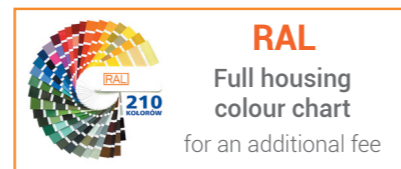
The BLS have a glare ratio of less than 19. The new, improved 26 W, 34 W and 41 W versions achieve a luminous efficacy of up to 150 lm/W!

Possibility to use microwave sensor for each luminaire model.

An option to change fixture parameters for a special order or for a given project.

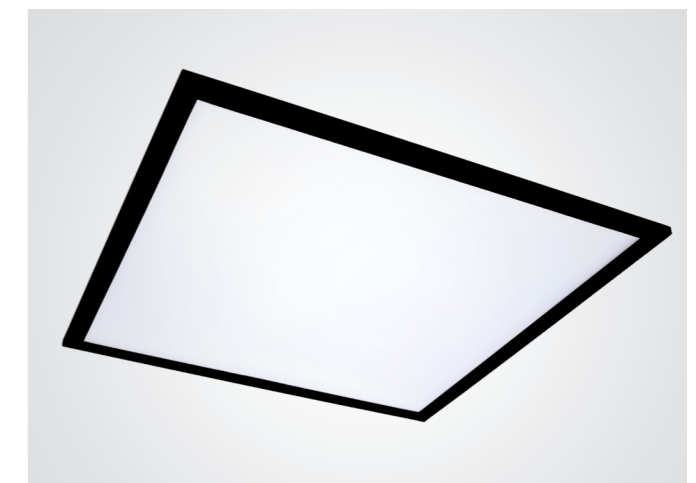
## Use:

- indoors
- shopping centres
- sports centres, gyms
- industrial halls
- offices, schools



AGT power supply included

RAL9005 colour option



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
BLS-066-200-4K-WH-U19	20 W	4,000 K	3,000 lm	>0.9	≥80	90°	150 lm/W	2.35 kg	595×595×35 mm
BLS-123-200-4K-WH-U19	20 W	4,000 K	3,000 lm	>0.9	≥80	90°	150 lm/W	2.35 kg	295×1,195×35 mm
BLS-066-260-4K-WH-U19	26 W	4,000 K	4,000 lm	>0.9	≥80	90°	154 lm/W	2.35 kg	595×595×35 mm
BLS-123-260-4K-WH-U19	26 W	4,000 K	4,000 lm	>0.9	≥80	90°	154 lm/W	2.35 kg	295×1,195×35 mm
BLS-066-340-4K-WH-U19	34 W	4,000 K	5,000 lm	>0.9	≥80	90°	147 lm/W	2.35 kg	595×595×35 mm
BLS-123-340-4K-WH-U19	34 W	4,000 K	5,000 lm	>0.9	≥80	90°	147 lm/W	2.35 kg	295×1,195×35 mm
BLS-066-410-4K-WH-U19	41 W	4,000 K	6,000 lm	>0.9	≥80	90°	146 lm/W	2.35 kg	595×595×35 mm
BLS-123-410-4K-WH-U19	41 W	4,000 K	6,000 lm	>0.9	≥80	90°	146 lm/W	2.40 kg	295×1,195×35 mm

\*after meeting the specific warranty conditions

\*\*emergency module available

## BACKLIGHT LED

## BLM 'MINTAL'

BACKLIGHT LED



## Description:

An innovative construction of BLM 'MINTAL' fixtures make them the first solution of this type on the market. It consists of an unprecedented diode layout which is perpendicular to the illuminated surface.

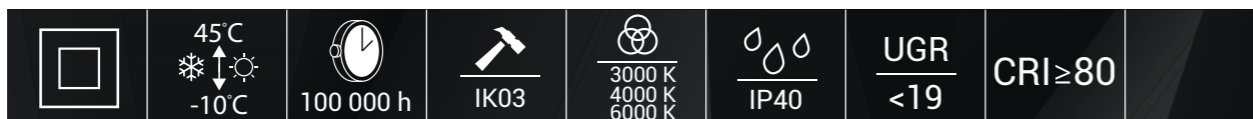
BLM fixtures are a great alternative to classic LED panels – they are adapted for mounting in Armstrong ceiling or for surface mounting in a frame. The ribbed back surface of the housing and double walls of the frame guarantee rigidity. Fixtures with a **U19** index have a glare rating of less than 19, which has a positive influence on work comfort and doesn't cause eye fatigue.

The new **34 W** versions achieve a luminous efficacy of up to **120 lm/W!**

A new position in the offer are models with improved resistance to atmospheric conditions – with an **IP65 watertightness rating** (p. 54).

## Use:

- indoors
- shopping centres
- sports centres, gyms
- industrial halls
- offices, schools

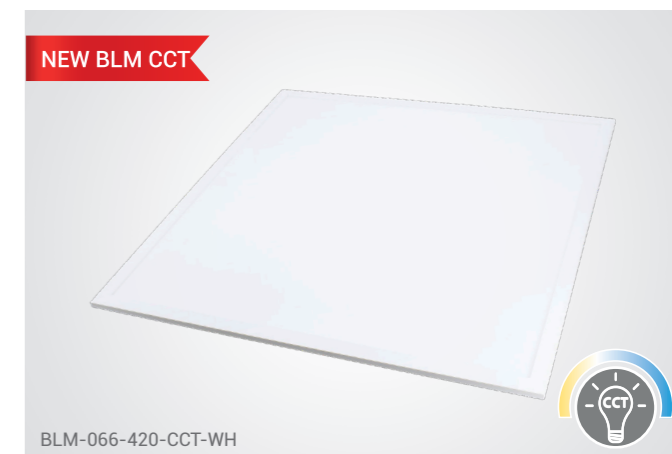


\*emergency module available



AGT power supply included

Power and color temperature adjustment



Code Index	Power	Colour temperature	Luminous flux	Power factor	UGR	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
BLM-066-340-3K-WH	34 W	3,000 K	4,000 lm	>0.9	>22	120°	117 lm/W	1.55 kg	595×595×35 mm
BLM-066-340-4K-WH	34 W	4,000 K	4,000 lm	>0.9	>22	120°	117 lm/W	1.55 kg	595×595×35 mm
BLM-066-400-3K-WH	40 W	3,000 K	4,000 lm	>0.9	>22	120°	100 lm/W	1.55 kg	595×595×35 mm
BLM-066-400-4K-WH	40 W	4,000 K	4,000 lm	>0.9	>22	120°	100 lm/W	1.55 kg	595×595×35 mm
BLM-066-400-6K-WH	40 W	6,000 K	4,000 lm	>0.9	>22	120°	100 lm/W	1.55 kg	595×595×35 mm
BLM-066-420-CCT-WH	30W 36W 42W	3000 K 4000 K 6500 K	3800 lm 4320 lm 5000 lm	>0.9	>22	120°	126 lm/W 120 lm/W 119 lm/W	1.55 kg	595×595×35 mm
BLM-123-400-3K-WH	40 W	3,000 K	4,000 lm	>0.9	>22	120°	100 lm/W	2.00 kg	1,195×295×35 mm
BLM-123-400-4K-WH	40 W	4,000 K	4,000 lm	>0.9	>22	120°	100 lm/W	2.00 kg	1,195×295×35 mm
BLM-123-400-6K-WH	40 W	6,000 K	4,000 lm	>0.9	>22	120°	100 lm/W	2.00 kg	1,195×295×35 mm
BLM-066-340-4K-WH-U19	34 W	4,000 K	4,000 lm	>0.9	>19	90°	117 lm/W	1.55 kg	595×595×35 mm
BLM-066-400-4K-WH-U19	40 W	4,000 K	4,000 lm	>0.9	>19	90°	100 lm/W	1.55 kg	595×595×35 mm
BLM-123-400-4K-WH-U19	40 W	4,000 K	4,000 lm	>0.9	>19	90°	100 lm/W	2.00 kg	1,195×295×35 mm

# LUXMENA LED PANEL PLM 'MIDAL'



## Description:

'MIDAL' LED panel with a power of 40 W and a luminous flux of up to **4,200 lm**. It is a luminaire equipped with high-performance LED light sources, characterised by low energy consumption, the absence of UV or IR emissions and a flicker-free effect.

PLM can be used as replacement for raster and diffuser fixtures. It's designed for use in office spaces, hotels, service facilities. There is an option to extend panel functionality by DALI control system.

## Use:

- indoors
- offices, galleries
- hotels



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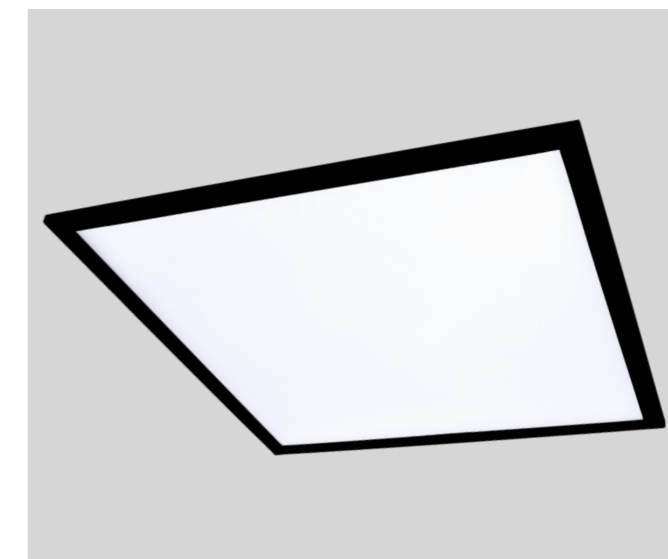
\*after meeting the specific warranty conditions  
\*\*emergency module available



## Optional DALI power supply



## RAL9005 colour option



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
PLM-066-400-4K-WH	40 W	4,000 K	4,100 lm	>0.95	≥80	120°	103 lm/W	2.74 kg	595×595×10 mm
PLM-066-400-6K-WH	40 W	6,000 K	4,200 lm	>0.95	≥80	120°	105 lm/W	2.74 kg	595×595×10 mm
PLM-066-400-4K-WH	40 W	4,000 K	4,100 lm	>0.95	≥80	120°	103 lm/W	2.74 kg	595×595×10 mm
PLM-066-400-6K-WH-IP44	40 W	6,000 K	4,200 lm	>0.95	≥80	120°	105 lm/W	2.74 kg	595×595×10 mm
PLM-123-400-4K-WH	40 W	4,000 K	4,100 lm	>0.95	≥80	120°	103 lm/W	3.00 kg	295×1,195×10 mm
PLM-123-400-6K-WH	40 W	6,000 K	4,200 lm	>0.95	≥80	120°	105 lm/W	3.00 kg	295×1,195×10 mm

# LUXMENA LED PANELS 24 H



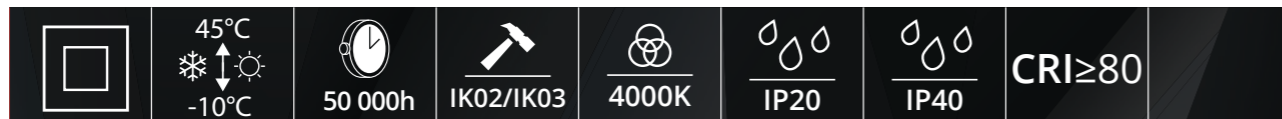
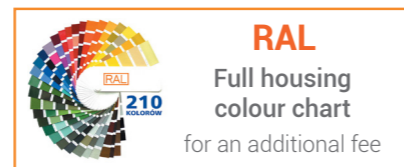
### Description:

The first modern LED panels with a power of **40 W** on the market, specially designed to work round the clock. The use of a reliable **BOKE** power supply guarantees long, undisturbed operation even round the clock!

Available in **BLM 'backlight' version (4,000 lm)** and **PLM 'slim' version (4,600 lm)**, they can be used, e.g. in hotels, pharmacies, hospitals, 24/7 shops or gas stations.

### Use:

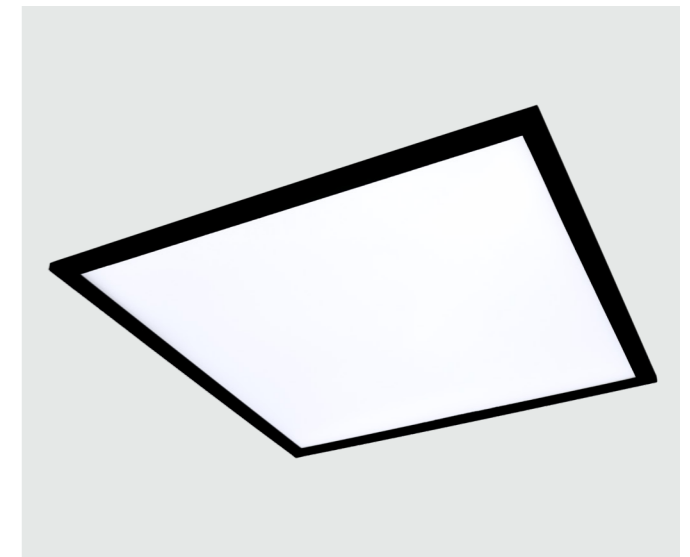
- indoors
- hotels
- pharmacies, hospitals
- 24/7 shops
- gas stations



### Reliable BOKE power supply



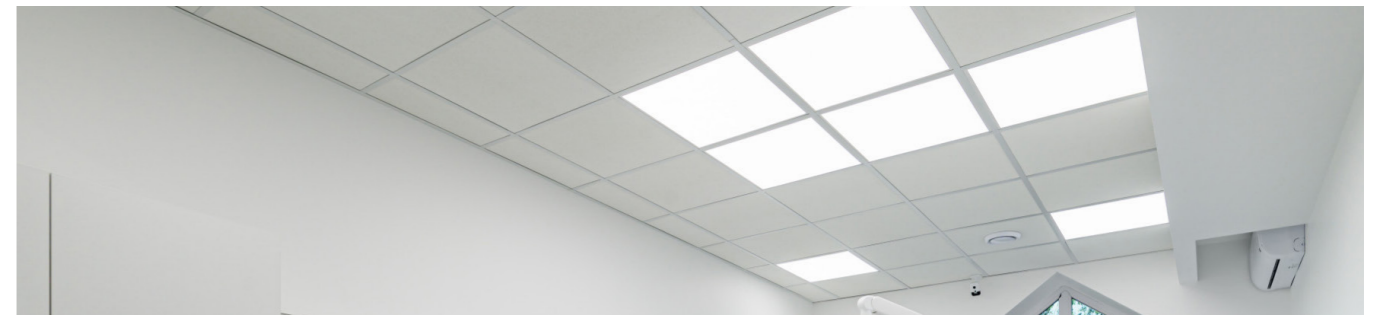
### RAL9005 colour option



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions (l×w×h)
BLM-066-400-4K-WH-24H	40 W	4,000 K	4,000 lm	≥0.9	≥80	120°	100 lm/W	595×595×35 mm
BLM-066-400-4K-WH-24H-U19	40 W	4,000 K	4,000 lm	≥0.9	≥80	90°	100 lm/W	595×595×35 mm
PLM-066-400-4K-WH-24H	40 W	4,000 K	4,600 lm	≥0.9	≥80	120°	115 lm/W	595×595×8 mm
PLM-066-400-4K-WH-24H-U19	40 W	4,000 K	4,600 lm	≥0.9	≥80	90°	115 lm/W	595×595×8 mm

\*after meeting the specific warranty conditions

# LUXMENA LED PANELS IP65



Reliable BOKE power supply

Watertight fixture



BLM – Backlight panel, milky case

PLN – Slim panel, glossy case



## Description:

**IP65** LED panels are lighting fixtures with an improved resistance to atmospheric conditions and **IP65** watertightness rating. They are made with care for every detail. The fixture has a **PZH** (National Institute of Hygiene) certificate.

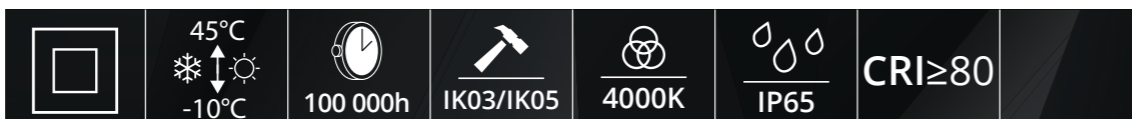
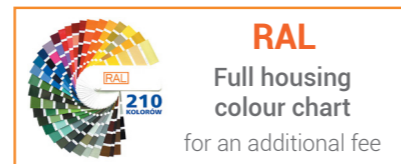
Hermetic connector and **IP65** power supply will be perfect for mounting outside the buildings – for example, on railway stations, sheds, car washes, warehouses or swimming pools.

**PLN Slim panel** – compatible with DALI luminaire control system and with emergency module with a **CNBOP certificate**. Mechanical impact resistance – **IK05**.

**BLM Backlight IP65** fixtures are a great alternative to classic LED panels – they are adapted for mounting in Armstrong ceiling or for surface mounting in a frame. The ribbed back surface of the housing and double walls of the frame guarantee rigidity. Fixtures with a **U19** index have a glare rating of less than 19, which has a positive influence on work comfort and doesn't cause eye fatigue.

## Use:

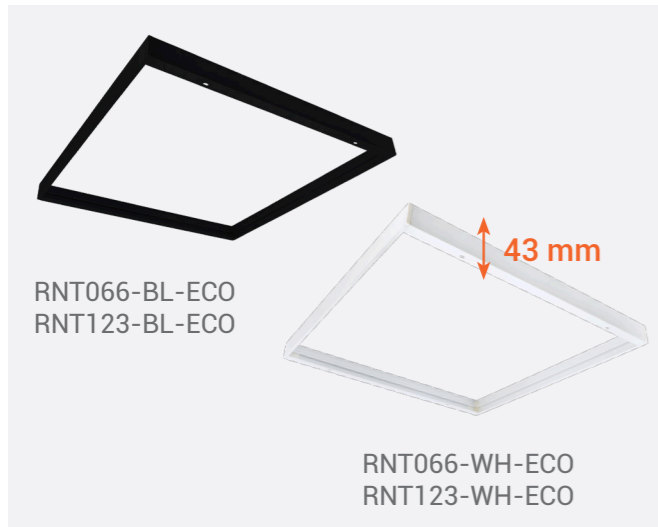
- outdoor facilities
- industrial spaces
- railway stations
- warehouses, sheds
- swimming pools



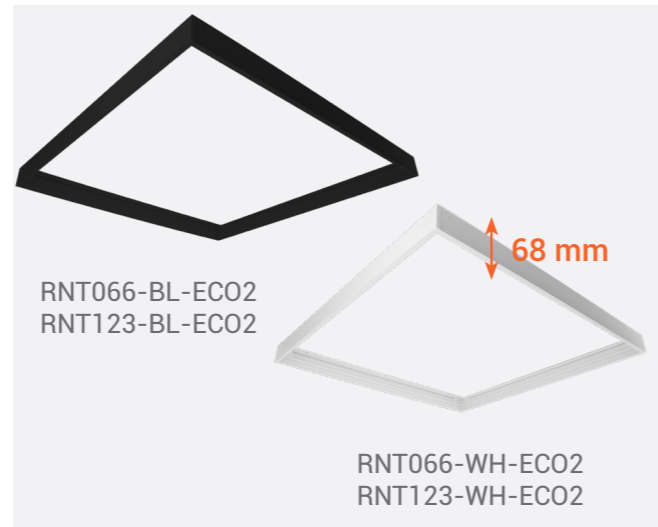
Code Index	Power	Colour temperature	Luminous flux	Power factor	Beam angle	Luminous efficacy	Dimensions (l×w×h)
BLM-066-340-4K-WH-U19-IP65	34 W	4,000 K	4,000 lm	>0.9	90°	117 lm/W	595×595×35 mm
BLM-066-400-4K-WH-U19-IP65	40 W	4,000 K	4,400 lm	>0.9	90°	110 lm/W	595×595×35 mm
BLM-123-400-4K-WH-U19-IP65	40 W	4,000 K	4,400 lm	>0.9	90°	110 lm/W	295×1,195×35 mm
PLN-066-400-4K-IP65	40 W	4,000 K	4,400 lm	>0.9	120°	110 lm/W	595×595×11 mm
PLN-123-400-4K-IP65	40 W	4,000 K	4,400 lm	>0.9	120°	110 lm/W	295×1,195×11 mm

\*after meeting the specific warranty conditions  
\*\*emergency module available

Screwless frame – ECO



Screwless frame – ECO2



Cords for installation in suspended systems



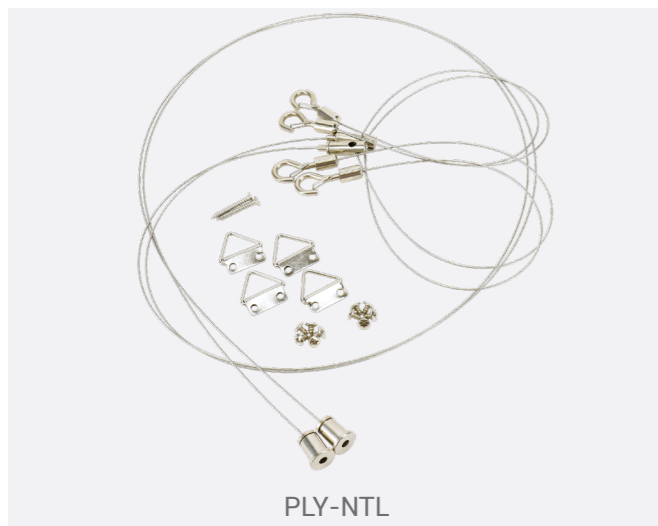
Brackets for drywall installation



Panel installation methods

Surface (RNT frame)	Suspended systems (NTL cord)
Mounted in drywall (PTGK brackets)	In Armstrong ceiling

Cords dedicated to PLY panels



Brackets dedicated to PLY panels

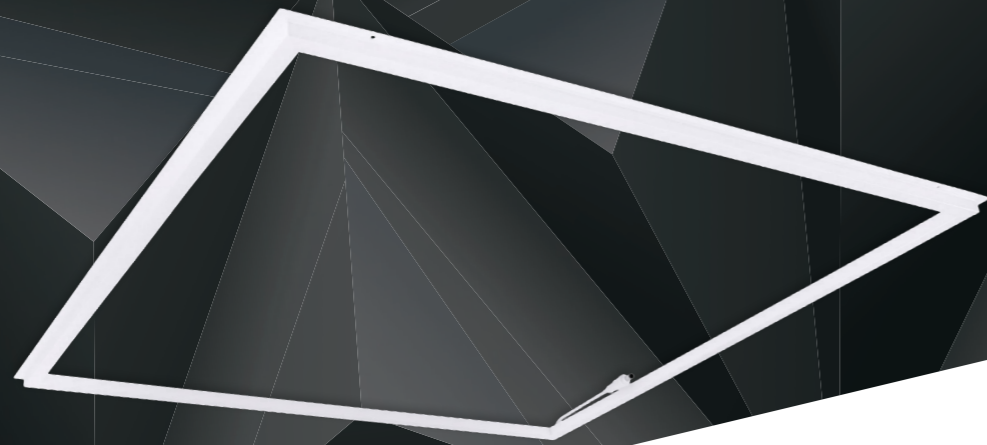


Compatibility of panels with assembly kits

Code	Description	Dimensions	Compatible luminaires
RNT066-WH-ECO	Mounting frame for panels n/t white eco	600×600×43	BLS / BLM / PLY / PLM / PLK
RNT123-WH-ECO	Mounting frame for panels n/t white eco	300×1200×43	BLS / BLM / PLY / PLM / PLK
RNT066-WH-ECO2	Mounting frame for led panels 60×60 white eco height 68 mm	600×600×68	BLS / BLM / PLY / PLM / PLK
RNT123-WH-ECO2	Mounting frame for led panels 120×30 white eco height 68 mm	300×1200×68	BLS / BLM / PLY / PLM / PLK
U-NTL	Mounting kit for led panels n/t – 4x cord	4x cord 100 cm	BLM / BLS / BLK / PLM / PLN /
PLZ-PTGK	Kit for led panels p/t for plasterboard – 4x bracket	-	BLM / BLS / BLK / PLN / PLM
PLY-NTL	Mounting kit for led panels n/t – 2x cord + brackets	2x cable 100 cm	PLY
C71-PLY-PTGK	Mounting kit for led panels p/t for plasterboard – 4x bracket	-	PLY

# LED FRAME FLP 'PLAZA'

LED FRAME



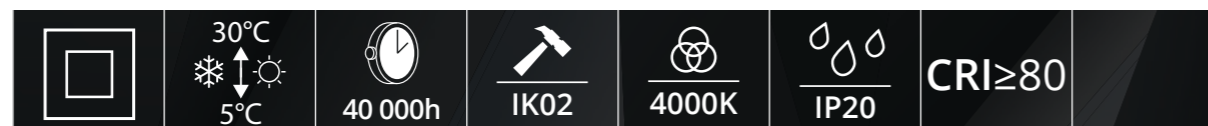
### Description:

FLP 'PLAZA' is a new line of fixtures designed for mounting in Armstrong suspended ceiling systems. The fixtures were made with LED technology and with the use of high-quality units.

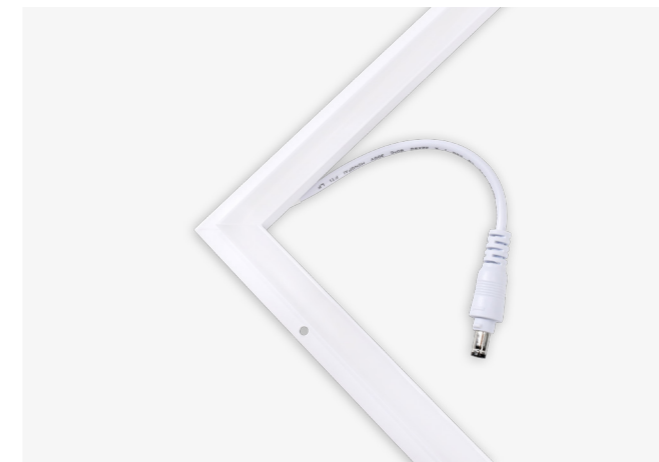
'PLAZA' is distinguished by its unprecedented, modern design. FLP frame is designed for lighting offices, hotels or circulation areas.

### Use:

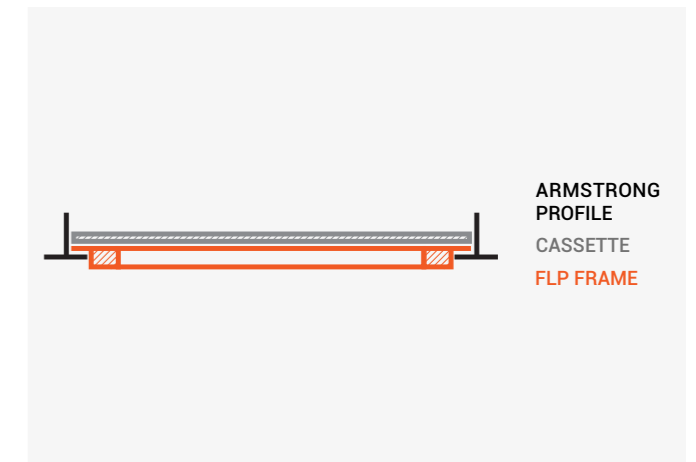
- indoors
- offices
- galleries
- hotels



### Quick connector for easy installation

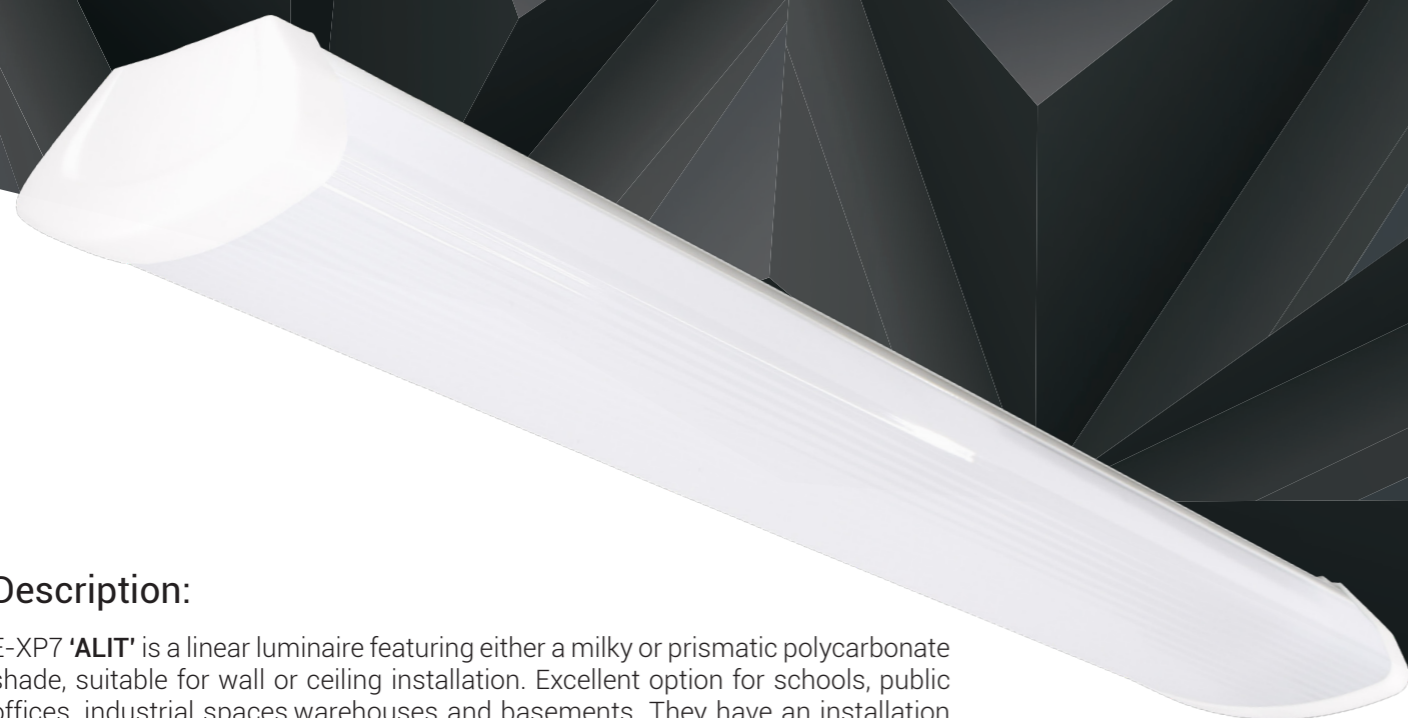


### Installation in Armstrong ceiling



Code Index	Power	Colour temperature	Luminous flux	Power factor	Beam angle	Luminous efficacy	Dimensions (l×w×h)
FLP-066-400-4K-WH	40 W	4,000 K	4,000 lm	>0.9	120°	100 lm/W	591×591×11 mm

# CASE FIXTURE E-XP7 'ALIT'

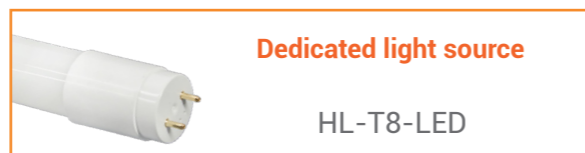


## Description:

E-XP7 'ALIT' is a linear luminaire featuring either a milky or prismatic polycarbonate shade, suitable for wall or ceiling installation. Excellent option for schools, public offices, industrial spaces, warehouses and basements. They have an installation compatible with T8-LED tubes with a length of 60 or 120 cm – depending on the model. There is an option of installing an internal emergency system with a CNBOP certificate.

## Use:

- public spaces
- warehouses
- sports centres, gyms
- industrial halls
- production lines
- logistic facilities
- shops, supermarkets, schools



## Prismatic cover version



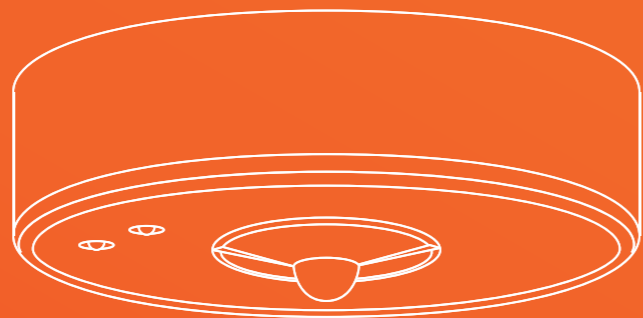
## G13 - T8 sockets



Code Index	Dedicated light source	Power supply type	Cover type	Weight	Dimensions (l×w×h)
E-XP7218KM-PC	2x T8-LED 60 cm	versatile*	milky	0.85 kg	660×150×65 mm
E-XP7218KP-PC	2x T8-LED 60 cm	versatile*	prismatic	0.85 kg	660×150×65 mm
E-XP7236KM-PC	2x T8-LED 120 cm	versatile*	milky	1.45 kg	1,265×150×65 mm
E-XP7236KP-PC	2x T8-LED 120 cm	versatile*	prismatic	1.45 kg	1,265×150×65 mm

\*for one-side and two-way powered T8-LED tubes

# EMERGENCY LUMINAIRES



# EMERGENCY LUMINAIRES MLR 'MALER'



## Description:

'MALER' emergency luminaires help evacuate people from the danger zone. The device remains in standby mode until a power outage happens (an emergency situation).

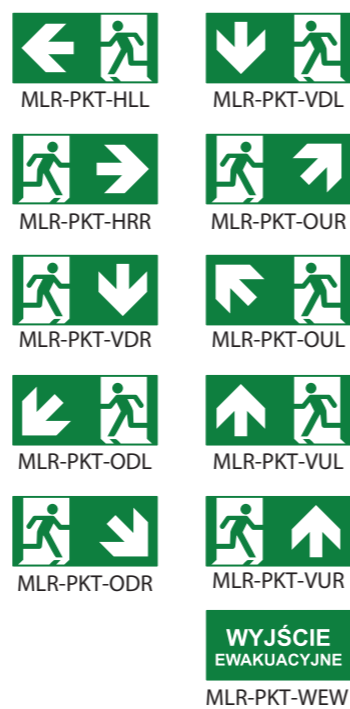
An efficient **3.6 V Ni-Cd** built-in battery with a capacity of **800 mAh** allows for **up to 3 h of operation**. Device efficiency can be checked by pressing the **TEST** button on the housing or checking the charging indicator diode. CNBOP certificate guarantees correct operation of the device and its compliance with all safety standards.

**4 mounting kits** help to easily adjust the luminaire to the room. Pictograms with symbols of the direction of evacuation are available.

## Use:

- emergency routes and exits
- corridors
- circulation areas
- offices
- supermarkets

### AVAILABLE PICTOGRAMS:



## Four mounting kits



## Two modes of operation



Code Index	Power	Luminous flux	Description	Duration of emergency mode operation	Dimensions (l×w×h)
MLR-2NT-AT3H-CNBOP	2 W	19	emergency luminaire	3 h	212×345×40 mm



# EMERGENCY LUMINAIRES

## SKL 'SKALER'

POLISH  
PRODUCT QUALITY  
GUARANTEE



### Description:

'SKALER' emergency luminaire is made of polycarbonate and designed for surface mounting. It has a built-in light source in the form of a 3 W LED diode and a built-in 3.6 V Ni-Cd battery with a capacity of 800 mAh to 2,500 mAh (depending on the version).

Device efficiency can be checked by pressing the **TEST** button on the housing or checking the charging indicator diode. **CNBOP** certificate guarantees correct operation of the device and its compliance with all safety standards.

Replaceable lenses allow for easy modification and adjustment of the luminaire to the room where it's installed. SKL 'SKALER' is available in versions with **auto test** and manual test. Additionally, there's an option to request any housing colour from RAL colour chart.

#### Use:

(SO – with converging lens):

- high rooms (>5 m)
- warehouse aisles
- firefighting equipment illumination

#### Use:

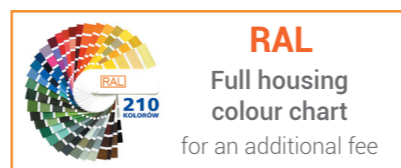
(SX – no lens):

- open spaces
- offices
- supermarkets

#### Use:

(SC – with corridor lens):

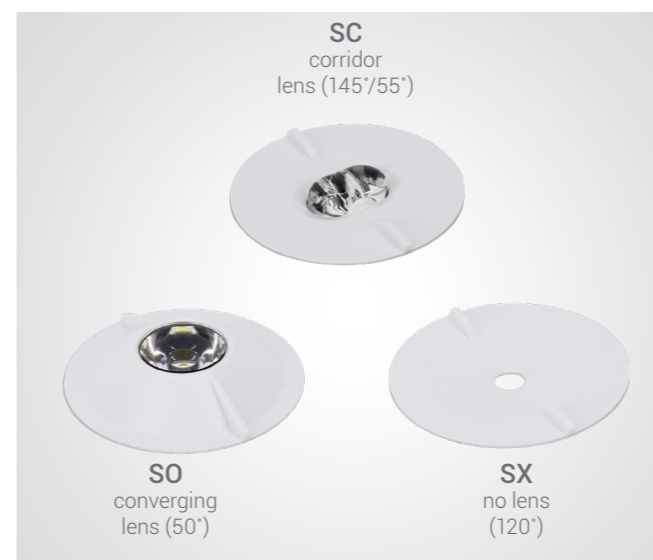
- evacuation routes
- corridors
- circulation areas



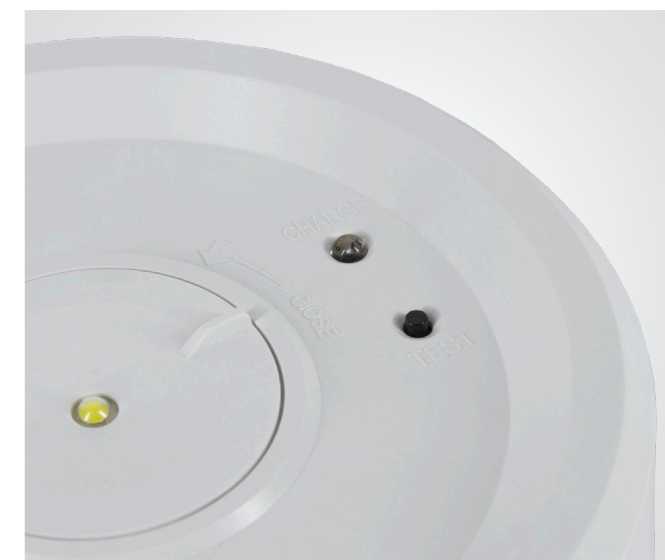
**SELF-TEST SYSTEM**



### Three optical versions



### Polycarbonate housing



Code Index	Power	Luminous flux	Lens type	Shape	Battery capacity	Dimensions
SKL-R-3SC-xx1H	3 W	161 lm	SC	round	800 mAh	Φ150×44 mm
SKL-R-3SO-xx1H	3 W	158 lm	SO	round	800 mAh	Φ150×44 mm
SKL-R-3SX-xx1H	3 W	151 lm	SX	round	800 mAh	Φ150×44 mm
SKL-S-3SC-xx1H	3 W	161 lm	SC	square	800 mAh	130×130×45 mm
SKL-S-3SO-xx1H	3 W	158 lm	SO	square	800 mAh	130×130×45 mm
SKL-S-3SX-xx1H	3 W	151 lm	SX	square	800 mAh	130×130×45 mm
SKL-R-3SC-xx2H	3 W	161 lm	SC	round	1,500 mAh	Φ150×44 mm
SKL-R-3SO-xx2H	3 W	158 lm	SO	round	1,500 mAh	Φ150×44 mm
SKL-R-3SX-xx2H	3 W	151 lm	SX	round	1,500 mAh	Φ150×44 mm
SKL-S-3SC-xx2H	3 W	161 lm	SC	square	1,500 mAh	130×130×45 mm
SKL-S-3SO-xx2H	3 W	158 lm	SO	square	1,500 mAh	130×130×45 mm
SKL-S-3SX-xx2H	3 W	151 lm	SX	square	1,500 mAh	130×130×45 mm
SKL-R-3SC-xx3H	3 W	161lm	SC	round	2 500 mAh	Φ150x44mm
SKL-R-3SO-xx3H	3 W	161lm	SO	round	2 500 mAh	Φ150x44mm
SKL-R-3SX-xx3H	3 W	161lm	SX	round	2 500 mAh	Φ150x44mm
SKL-R-3SC-xx3H	3 W	161lm	SC	square	2 500 mAh	130x130x45mm
SKL-R-3SO-xx3H	3 W	161lm	SO	square	2 500 mAh	130x130x45mm
SKL-R-3SX-xx3H	3 W	161lm	SX	square	2 500 mAh	130x130x45mm

xx – test type symbol: AW = manual test; AT = automatic test

# EMERGENCY LUMINAIRES TLR 'TOLER'



## Description:

'TOLER' emergency luminaires help evacuate people from the danger zone. They are equipped with 3 W SMD LED diodes.

The housing base and the front of the luminaire are made of high-quality polycarbonate, and the housing is made of aluminium. An efficient 3.2 V LifePO4 built-in battery with a capacity of 1,500 mAh allows for up to 2 h of operation in emergency mode.

Device efficiency can be checked by pressing the **TEST** button on the housing or checking the charging indicator diode. CNBOP certificate guarantees correct operation of the device and its compliance with all safety standards. Replaceable lenses allow for easy modification and adjustment of the luminaire to the room where it's installed. 'TOLER' is available in a version with auto test.

## Use:

(SO – with converging lens):

- high rooms (>5 m)
- warehouse aisles
- firefighting equipment illumination

## Use:

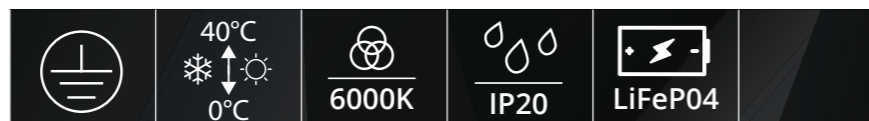
(SX – no lens):

- open spaces
- offices
- supermarkets

## Use:

(SC – with corridor lens):

- evacuation routes
- corridors
- circulation areas



## Three optical versions



## Internal power supply



Code Index	Power	Luminous flux	Lens type	Battery capacity	Weight	Dimensions
TLR-3SC-AT2H-CNBOP	3 W	180 lm	SC	1,500 mAh	0.46 kg	Φ110×110 mm
TLR-3SO-AT2H-CNBOP	3 W	216 lm	SO	1,500 mAh	0.46 kg	Φ110×110 mm
TLR-3SX-AT2H-CNBOP	3 W	225 lm	SX	1,500 mAh	0.46 kg	Φ110×110 mm

# EMERGENCY LUMINAIRE GLR 'GALER'



## Description:

'GALER' emergency luminaires help evacuate people from the danger zone. The device remains in standby mode until a power outage happens (an emergency situation).

An efficient **3.7 V Li-ion built-in battery** with a capacity of **1,500 mAh** allows for more than **3 h** of operation in emergency mode. Device efficiency can be checked by pressing the **TEST** button on the housing or checking the charging indicator diode. CNBOP certificate guarantees correct operation of the device and its compliance with all safety standards.

**3 pictograms** with symbols of the direction of evacuation are available within the set.

## Use:

- emergency routes and exits
- corridors
- circulation areas
- offices
- supermarkets

### AVAILABLE PICTOGRAMS:



**SELF-TEST SYSTEM**



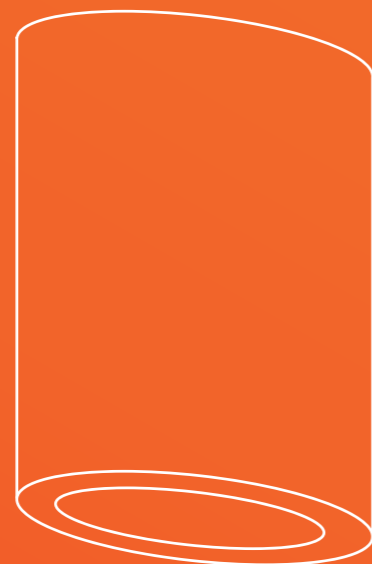
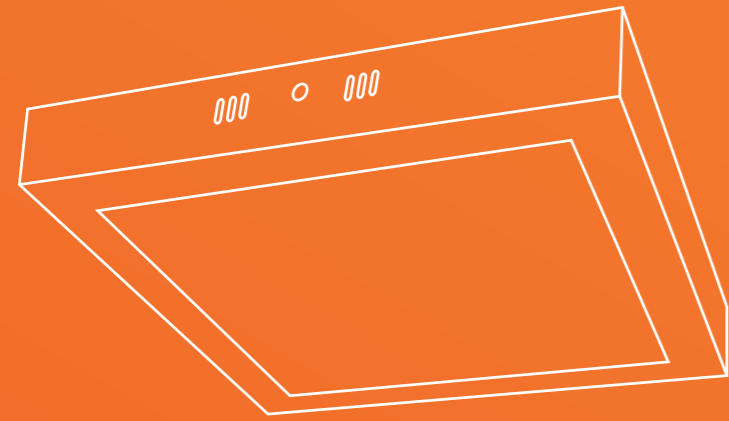
## Flush-mounted kit



## Mounting kit ZMPKT



Code Index	Power	Luminous flux	Colour temperature	Description	Duration of emergency mode operation	Dimensions (l×w×h)
GLR-3ZP-MT3H-CNBOP	3.5 W	150 lm	6,500 K	emergency luminaire, manual test	>3 h	352×110×68 mm
GLR-3ZP-AT3H-CNBOP	3.5 W	150 lm	6,500 K	emergency luminaire, auto test	>3 h	352×110×68 mm
GLR-ZMP				MOUNTING KIT – FLUSH-MOUNTING		362×125 mm (mounting hole)
GLR-ZMPKT				MOUNTING KIT – FLAG		324×158 mm



# DOWNLIGHT FIXTURES

# DOWNLIGHT LED DLF2 'FALED 2'

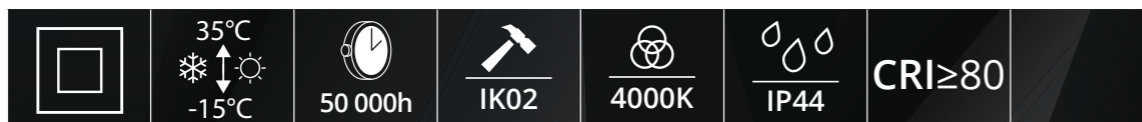


## Description:

The 'FALED 2' luminaire is a flagship downlight luminaire model. The aluminium radiator efficiently dissipates heat emitted by luminaire, which translates into longer service life. The reflector efficiently diffuses the light emitted by the COB diode. Thanks to the mounting brackets on springs, the installation is considerably easier. A high power factor reflects the quality of the device components. White luminaire frame. The luminaire is designed for installation in drywall in suspension ceiling systems (G-K). As an option, the luminaire can be ordered in a version for installation in modular ceilings.

## Use:

- public spaces
- shopping centres
- living spaces
- offices, hotels, restaurants, bars

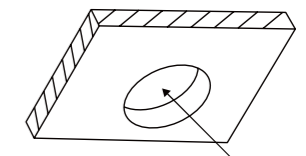


\*after meeting the specific warranty conditions  
\*\*emergency module available



## Possibility to install in modular ceilings

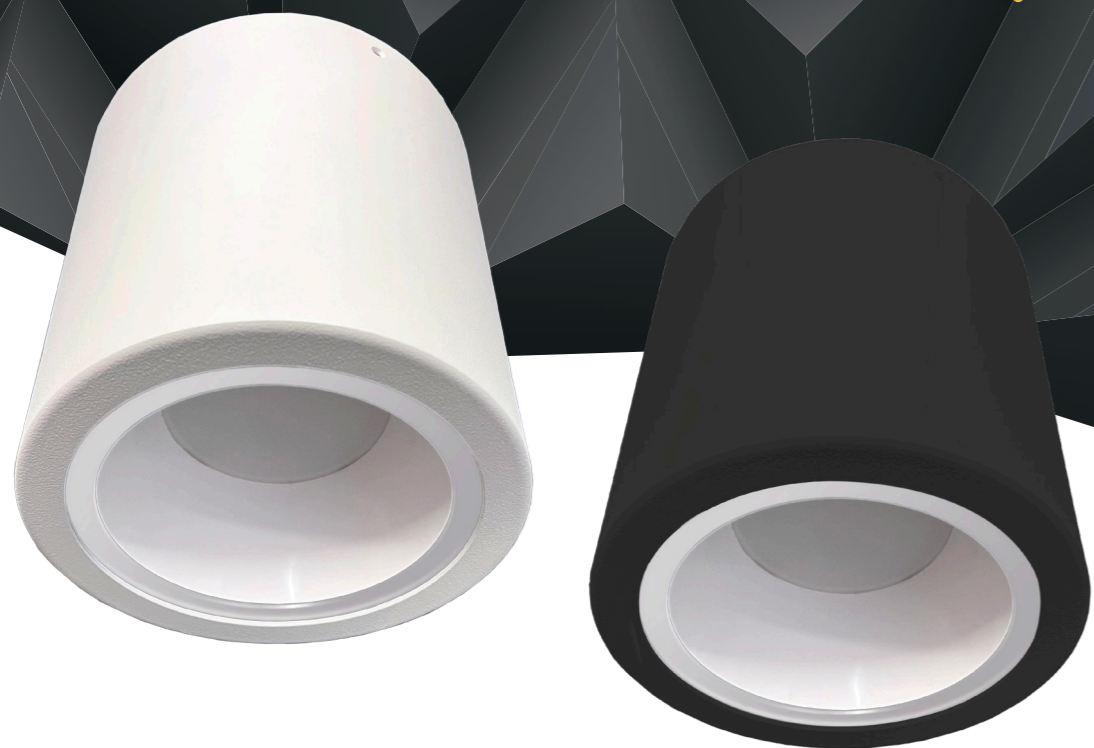
## Mounting bracket and bore diameter



DLF2-200: Ø140 mm  
DLF2-300: Ø195 mm

Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions
C70-DLF2-200-3K	20 W	3,000 K	2,150 lm	>0.9	≥80	60°	108 lm/W	Ø165×90 mm
C70-DLF2-200-4K	20 W	4,000 K	2,200 lm	>0.9	≥80	60°	110 lm/W	Ø165×90 mm
C70-DLF2-300-3K	30 W	3,000 K	3,800 lm	>0.9	≥80	60°	126 lm/W	Ø220×100 mm
C70-DLF2-300-4K	30 W	4,000 K	3,900 lm	>0.9	≥80	60°	130 lm/W	Ø220×100 mm

# DOWNLIGHT LED DLF-N 'FALED 2' SURFACE-MOUNTED

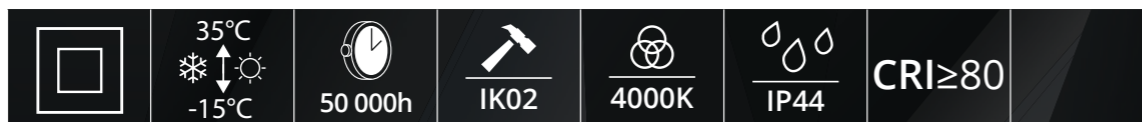


## Description:

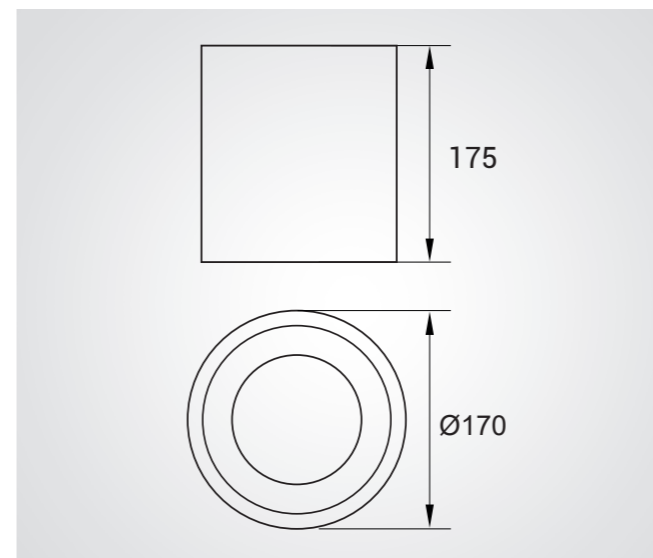
DLF2-N 'FALED 2' luminaires are a new model of ceiling-mounted luminaire. The aluminium radiator efficiently dissipates heat emitted by luminaire, which translates into longer service life. The reflector efficiently diffuses the light emitted by the COB diode. A high power factor reflects the quality of the device components. Luminaires available in two colours: white and black.

## Use:

- public spaces
- shopping centres
- offices, hotels, restaurants, bars



## Dimensions



## DLNO – DALI version



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions
DLF2-200-3K-N	20 W	3,000 K	2,150 lm	>0.9	≥80	60°	108 lm/W	Ø170×175 mm
DLF2-200-4K-N	20 W	4,000 K	2,200 lm	>0.9	≥80	60°	110 lm/W	Ø170×175 mm

\*after meeting the specific warranty conditions

# DOWNLIGHT LED DLW 'WALED'



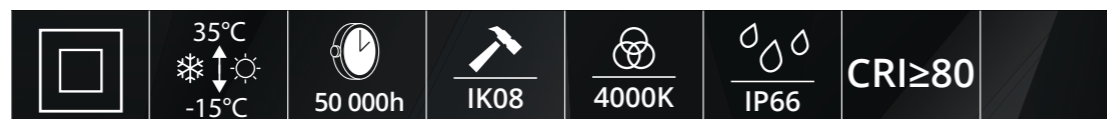
## Description:

DLW 'WALED' is a downlight luminaire with an integrated LED light source. It is mostly designed for spaces where high humidity and dust resistance is required – IP66. Characterised by excellent lighting parameters and made of superior-quality plastic. Low fixture profile allows for mounting in ceilings with little gap.

The luminaire is designed for installation in drywall in suspension ceiling systems (G-K).

## Use:

- sanitary rooms
- bathrooms, toilets
- living spaces
- public spaces
- offices, hotels, restaurants, bars



\*emergency module available

## External power supply included



## Mounting bracket and bore diameter



DLW-R075/S075: Ø55 mm  
DLW-R125/S125: Ø105 mm  
DLW-R185/S185: Ø165 mm  
DLW-R215/S215: Ø195 mm

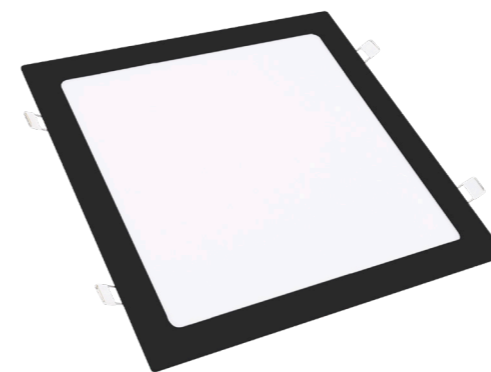
Code Index	Power	Colour temperature	Luminous flux	Shape	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
DLW-R075-050-4K-WH	5 W	4,000 K	420 lm	round	>0.5	≥80	120°	84 lm/W	0.13 kg	Ø75×20 mm
DLW-R125-100-4K-WH	10 W	4,000 K	860 lm	round	>0.5	≥80	120°	86 lm/W	0.24 kg	Ø125×20 mm
DLW-R185-180-4K-WH	18 W	4,000 K	1,550 lm	round	>0.9	≥80	120°	86 lm/W	0.44 kg	Ø185×20 mm
DLW-R215-260-4K-WH	26 W	4,000 K	2,220 lm	round	>0.9	≥80	120°	85 lm/W	0.63 kg	Ø215×20 mm
DLW-S075-050-4K-WH	5 W	4,000 K	420 lm	square	>0.5	≥80	120°	84 lm/W	0.16 kg	75×75×20 mm
DLW-S125-100-4K-WH	10 W	4,000 K	860 lm	square	>0.5	≥80	120°	86 lm/W	0.29 kg	125×125×20 mm
DLW-S185-180-4K-WH	18 W	4,000 K	1,550 lm	square	>0.9	≥80	120°	86 lm/W	0.48 kg	185×185×20 mm
DLW-S215-260-4K-WH	26 W	4,000 K	2,220 lm	square	>0.9	≥80	120°	85 lm/W	0.67 kg	215×215×20 mm

# DOWNLIGHT LED DLB 'BOLED'



RAL9005 colour option

External power supply included



## Description:

DLB-R/S 'BOLED' are round or square downlight fixtures constructed based on high-quality **SAMSUNG LED** diodes. These fixtures can be used in different facilities, such as: medical facilities, offices, utility rooms and industrial areas.

Fixture construction allows for mounting it in a prepared opening, e.g. in drywall. Fixture housing is made of aluminium which allows for quick heat dissipation during the operation of the device.

## Use:

- living spaces
- public spaces
- offices, hotels
- restaurants, bars



**SAMSUNG LED inside**

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Code Index	Power	Colour temperature	Luminous flux	Shape	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
DLB-R-090-3K	9 W	3,000 K	520 lm	round	>0.5	≥80	120°	57.7 lm/W	0.24 kg	Ø145×33 mm
DLB-R-090-4K	9 W	4,000 K	540 lm	round	>0.5	≥80	120°	60 lm/W	0.24 kg	Ø145×33 mm
DLB-R-120-3K	12 W	3,000 K	690 lm	round	>0.5	≥80	120°	57.5 lm/W	0.32 kg	Ø172×33 mm
DLB-R-120-4K	12 W	4,000 K	720 lm	round	>0.5	≥80	120°	60 lm/W	0.32 kg	Ø172×33 mm
DLB-R-180-3K	18 W	3,000 K	1,260 lm	round	>0.5	≥80	120°	70 lm/W	0.53 kg	Ø225×33 mm
DLB-R-180-4K	18 W	4,000 K	1,300 lm	round	>0.5	≥80	120°	72 lm/W	0.53 kg	Ø225×33 mm
DLB-R-240-3K	24 W	3,000 K	1,650 lm	round	>0.5	≥80	120°	69 lm/W	0.83 kg	Ø300×33 mm
DLB-R-240-4K	24 W	4,000 K	1,700 lm	round	>0.5	≥80	120°	70 lm/W	0.83 kg	Ø300×33 mm
DLB-S-090-3K	9 W	3,000 K	520 lm	square	>0.5	≥80	120°	57.7 lm/W	0.24 kg	145×145×33 mm
DLB-S-090-4K	9 W	4,000 K	540 lm	square	>0.5	≥80	120°	60 lm/W	0.24 kg	145×145×33 mm
DLB-S-120-3K	12 W	3,000 K	690 lm	square	>0.5	≥80	120°	57.5 lm/W	0.32 kg	172×172×33 mm
DLB-S-120-4K	12 W	4,000 K	720 lm	square	>0.5	≥80	120°	60 lm/W	0.32 kg	172×172×33 mm
DLB-S-180-3K	18 W	3,000 K	1,260 lm	square	>0.5	≥80	120°	70 lm/W	0.53 kg	225×225×33 mm
DLB-S-180-4K	18 W	4,000 K	1,300 lm	square	>0.5	≥80	120°	72 lm/W	0.53 kg	225×225×33 mm
DLB-S-240-3K	24 W	3,000 K	1,650 lm	square	>0.5	≥80	120°	69 lm/W	0.83 kg	300×300×33 mm
DLB-S-240-4K	24 W	4,000 K	1,700 lm	square	>0.5	≥80	120°	70 lm/W	0.83 kg	300×300×33 mm

\*emergency module available

LUXMENA  
DOWNLIGHT LED  
DLM 'MAFED'

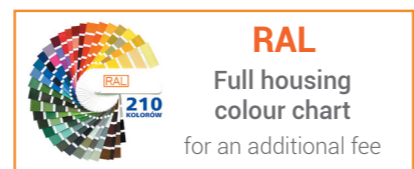


Description:

The 'MAFED' luminaire with an integrated light source is a new downlight luminaires model for surface mounting. Thanks to the highly efficient COB diode and improved IP44 watertightness, 'MAFED' can be used in many modern indoor and outdoor facilities. Aluminium housing and steel reflector guarantee proper temperature of the LED diode.

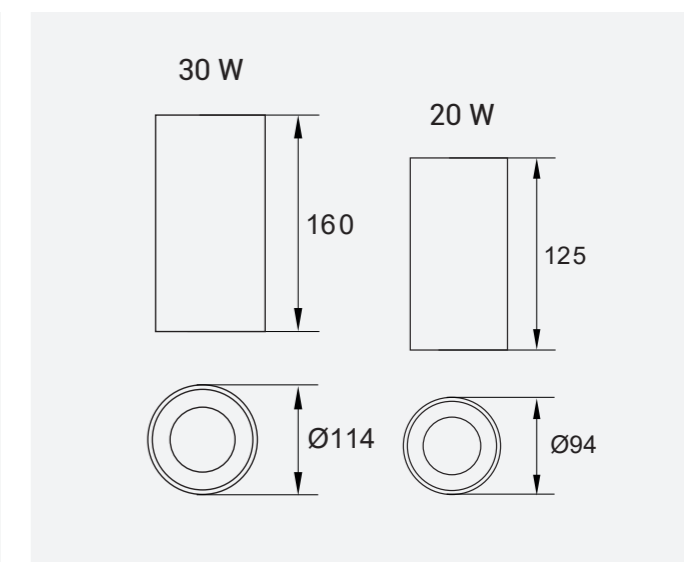
Use:

- living facilities
- waiting rooms
- outpatient clinics
- circulation areas



Highly efficient COB diode with steel cover

Dimensions



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions
DLM-200-3K	20 W	3,000 K	1,800 lm	>0.9	≥80	45°	90 lm/W	Ø94×125 mm
DLM-200-4K	20 W	4,000 K	1,800 lm	>0.9	≥80	45°	90 lm/W	Ø94×125 mm
DLM-300-3K	30 W	3,000 K	2,800 lm	>0.9	≥80	45°	94 lm/W	Ø114×160 mm
DLM-300-4K	30 W	4,000 K	2,820 lm	>0.9	≥80	45°	94 lm/W	Ø114×160 mm

# DOWNLIGHT FIXTURE DLU 'ULTER'

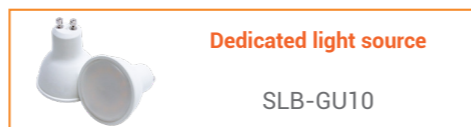


## Description:

The line of 'ULTER' fixtures with light source in a GU10 shaft is designed for surface mounting on ceilings. Thanks to their small size, the fixtures are an excellent accent lighting. The regulated beam direction (in DLU-AR fixtures) allows for directing the beam e.g. to a nearby wall.

## Use:

- outpatient clinics
- circulation areas
- waiting rooms
- living facilities



## Adjustable version of fixture (DLU-AR)

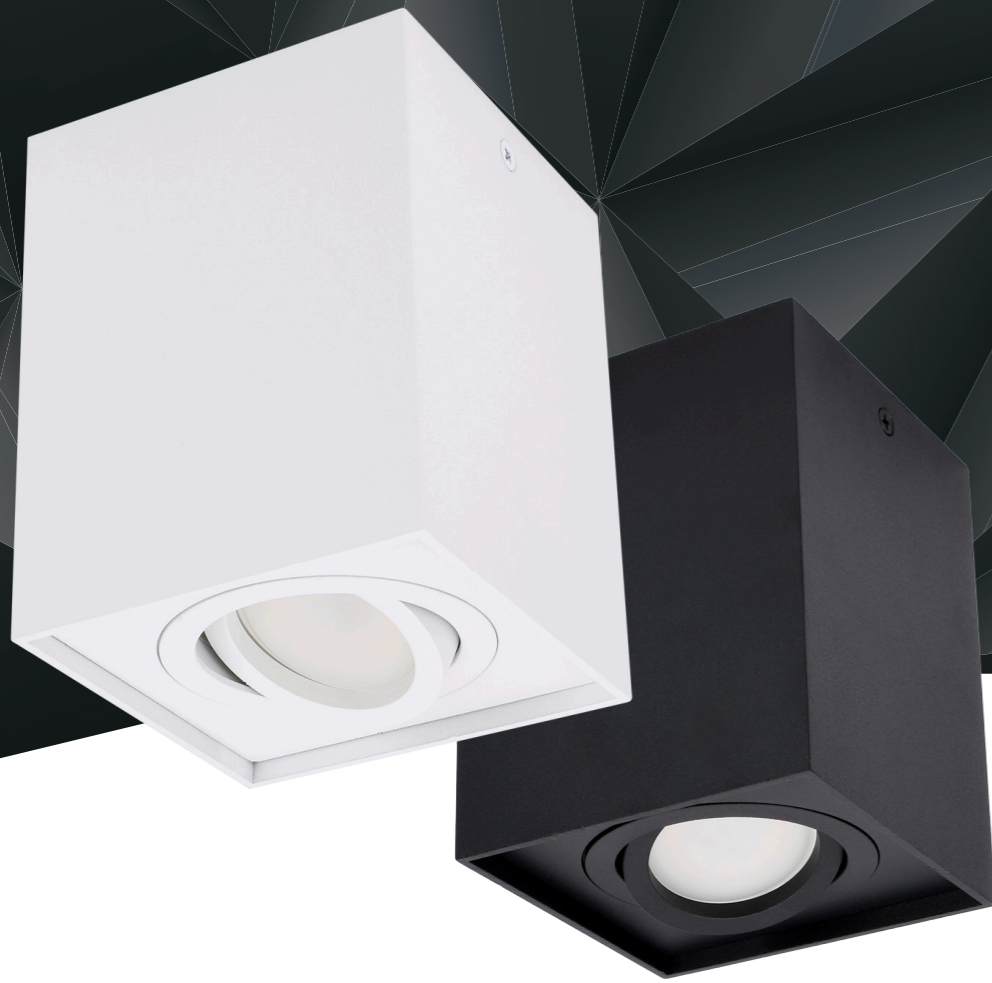


## Simple surface mounting



Code Index	Max power	Colour	Shape	Beam direction adjustment	Weight	Dimensions
DLU-R-GU10-150-BL	1x 50 W	black	round	no	0.13 kg	Ø55×100 mm
DLU-R-GU10-150-WH	1x 50 W	white	round	no	0.13 kg	Ø55×100 mm
DLU-AR-GU10-150-BL	1x 50 W	black	round	yes	0.18 kg	Ø70×100 mm
DLU-AR-GU10-150-WH	1x 50 W	white	round	yes	0.18 kg	Ø70×100 mm

# DOWNLIGHT FIXTURE DLO 'ORTAL'

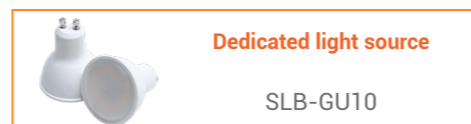


## Description:

'ORTAL' are designer fixtures available in different shapes and sizes. Thanks to surface mounting, the DLO line is a perfect alternative to a suspended ceiling. The fixture construction allows to use **GU10** light sources with no need to construct an expensive drywall ceiling. Beam direction adjustment allows to illuminate a chosen area.

## Use:

- outpatient clinics
- circulation areas
- waiting rooms
- living facilities



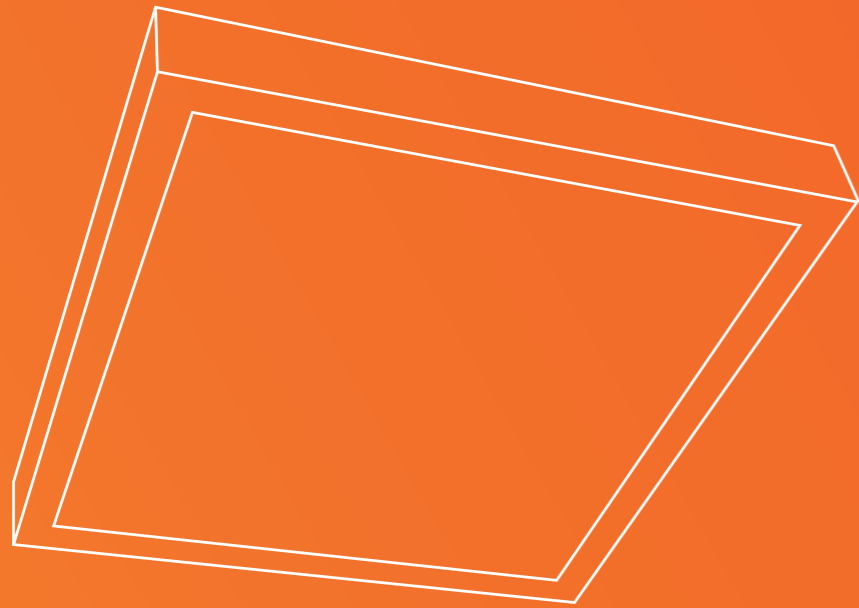
## Round version of the fixture



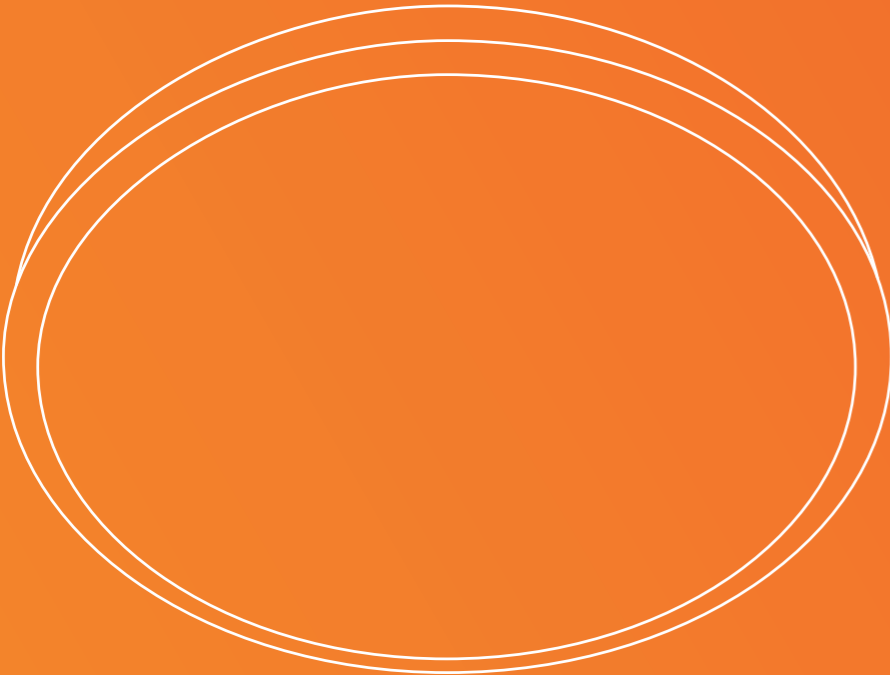
## Rectangular version of the fixture



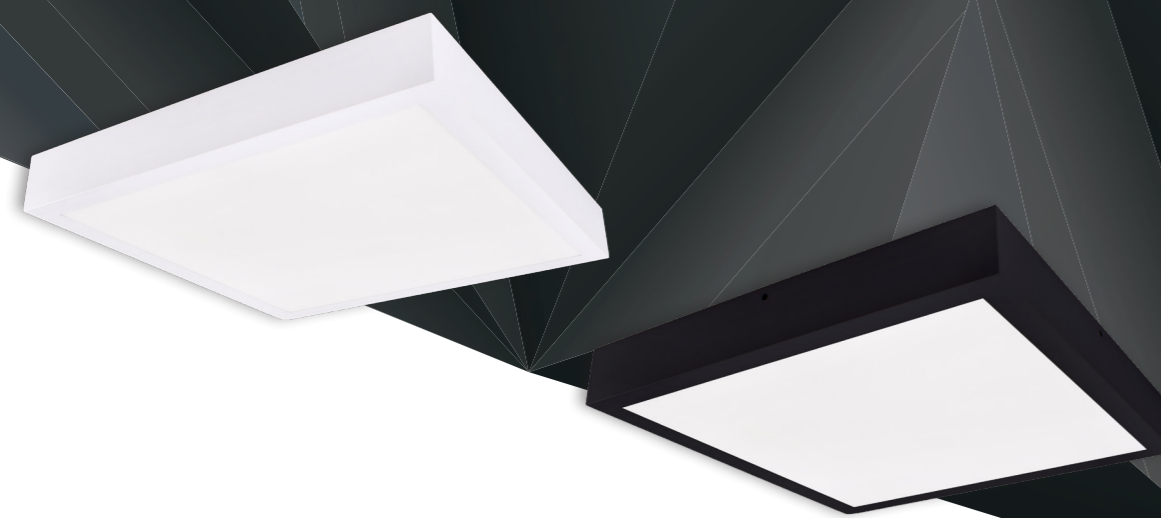
Code Index	Max power	Colour	Shape	Beam direction adjustment	Weight	Dimensions
DLO-AR-GU10-150-BL	1x 50 W	black	round	yes	0.48 kg	Ø96x125 mm
DLO-AR-GU10-150-WH	1x 50 W	white	round	yes	0.48 kg	Ø96x125 mm
DLO-AS-GU10-150-BL	1x 50 W	black	square	yes	0.58 kg	96x96x125 mm
DLO-AS-GU10-150-WH	1x 50 W	white	square	yes	0.58 kg	96x96x125 mm
DLO-AS-GU10-250-BL	2x 50 W	black	rectangular	yes	1.04 kg	96x182x125 mm
DLO-AS-GU10-250-WH	2x 50 W	white	rectangular	yes	1.04 kg	96x182x125 mm



# CEILING LAMPS



# CEILING LAMP BLG 'GRANDER'



## Description:

'GRANDER' is an entirely new line of surface-mounted ceiling lamps.

An innovative 'twist' installation system developed by our engineers ensures that the fixture adheres perfectly to the ceiling/wall, while guaranteeing an aesthetic installation.

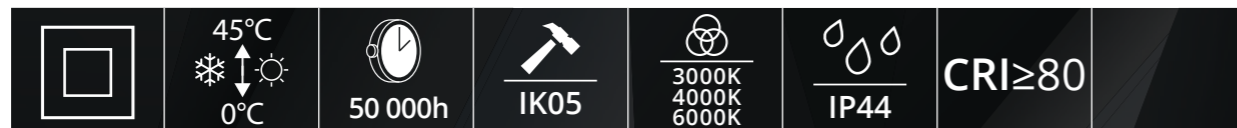
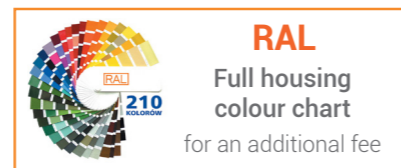
The body is made of aluminium, which guarantees low weight and high impact resistance. The cover is made of **frosted PMMA**. An integrated LED module guarantees low energy consumption. The fixture is equipped with two DIPswitch switches which allow for **CCT colour temperature adjustment** (3,000 K, 4,000 K, 6,000 K) and **power adjustment** in three ranges. This way, we receive a **9-in-1** solution that allows the user to adjust colour temperature and light intensity to the individual conditions in the facility.

**The fixture is compatible with the DALI system and has the option of installing MS or PIR motion sensors, and it can be equipped with CNBOP emergency module. As a standard, BLG is available in two frame colours: white and black. Colour from the RAL colour chart are available upon request.**

The fixture is designed for ceiling or wall mounting, for indoor use, also in high-humidity rooms, circulation areas and staircases.

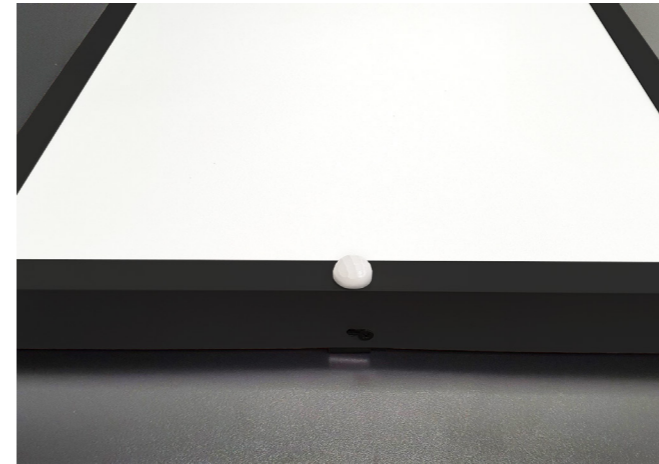
## Use:

- office spaces
- living spaces
- circulation areas
- corridors, staircases



\*after meeting the specific warranty conditions  
\*\*emergency module available

## Possibility to install motion sensors



TIME (10 s±15 min)  
LUX (3÷2000 lux)  
360° max. 8 m

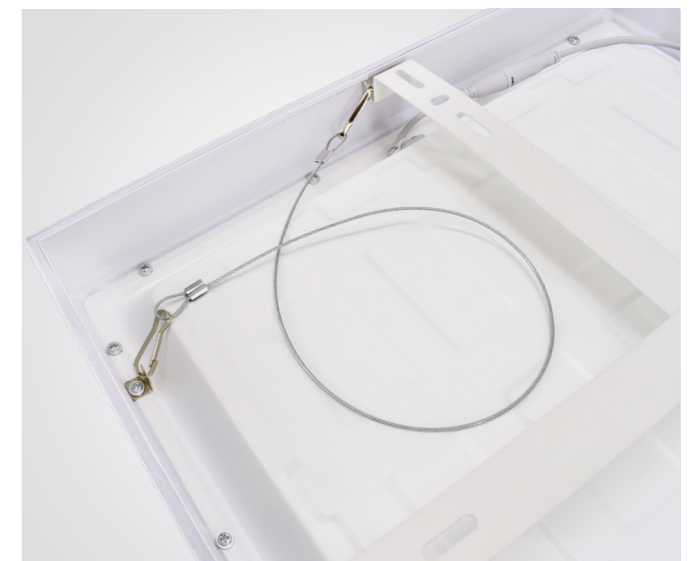


TIME (10 s±12 min)  
LUX (3÷2000 lux)  
360° max. 15 m

## Power changes with a switch on the power supply



## Safety rope included



The luminaire can be equipped with an emergency module with CNBOP; a motion sensor; DALI power supply.

Code Index	Power	Colour temperature	Luminous flux	Luminous efficacy	Power factor	Colour Rendering Index (CRI)	Dimensions (l×w×h)
	26 W	3,000 K	2,990 lm	115 lm/W	≥0.9	CRI≥80	400×400×52 mm
		4,000 K	3,250 lm	125 lm/W			
		6,000 K	3,250 lm	125 lm/W			
BLG-044-30B-CCT-90xxA	30 W	3,000 K	3,450 lm	115 lm/W	≥0.9	CRI≥80	400×400×52 mm
		4,000 K	3,750 lm	125 lm/W			
		6,000 K	3,750 lm	125 lm/W			
	34 W	3,000 K	3,910 lm	115 lm/W	≥0.9	CRI≥80	400×400×52 mm
		4,000 K	4,250 lm	125 lm/W			
		6,000 K	4,250 lm	125 lm/W			

xx – luminaire colour code: 9016 = white; 9005 = black

# CEILING LED LAMP BLD 'DENAR'



silver



charcoal grey



black

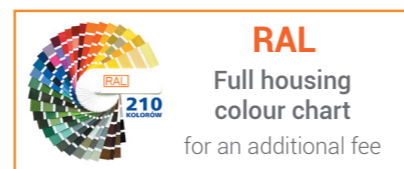
## Description:

'DENAR' LED panel is an energy-efficient decorative fixture with a modern, elegant form. High lighting efficacy and long service life (50,000 h) distinguish the BLD fixture when compared to traditional uses.

Powder-coated steel housing. Standard housing colours: white, black, charcoal grey and silver. Other colours from the RAL colour chart available upon request. Available version with PIR motion sensor which automatically switches the fixture on and off, thus contributing to environment protection and preventing waste of energy. Thanks to the use of reliable, branded subassemblies, BLD fixtures are covered by a 5-year warranty.

## Use:

- office spaces
- living spaces
- public spaces
- corridors, staircases
- waiting rooms, receptions



\*after meeting the specific warranty conditions  
\*\*emergency module available



## AGT power supply included



## Version with motion sensor



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions (lxw×h)
BLD-044-320-4K-WH	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-BL	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-GR	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-SL	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-WH-PIR	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-BL-PIR	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-GR-PIR	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm
BLD-044-320-4K-SL-PIR	32 W	4,000 K	3,500 lm	>0.9	≥80	120°	110 lm/W	400×400×42 mm

\*WH / SL / GR / BL – standard housing colours; other RAL colours – upon request

# CEILING LED LAMP PLC 'CELIA'



## Description:

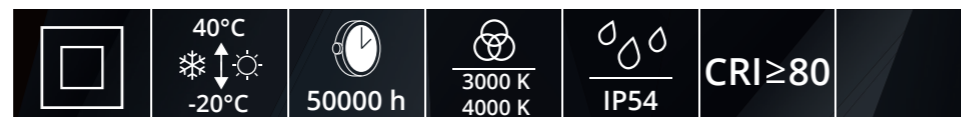
The PLC 'CELIA' ceiling lamp is a new addition to the decorative luminaire family.

Featuring surface installation, this luminaire offers a chic, modern aesthetic, while its high luminous efficacy ensures optimal energy savings. 'CELIA' is made of powder-coated steel and PC. Its high colour rendering index  $CRI > 80$ , combined with switchable colour temperatures of 3,000 K and 4,000 K, allows for flexibility and customisation according to the ambiance required in a room.

**Available configurations of luminaires:** diameters of Ø290 mm and Ø360 mm; frames 290 mm and 360 mm, accessories for surface, suspended and rod installation. An option to include a microwave motion and twilight sensor with a dimming function is available.

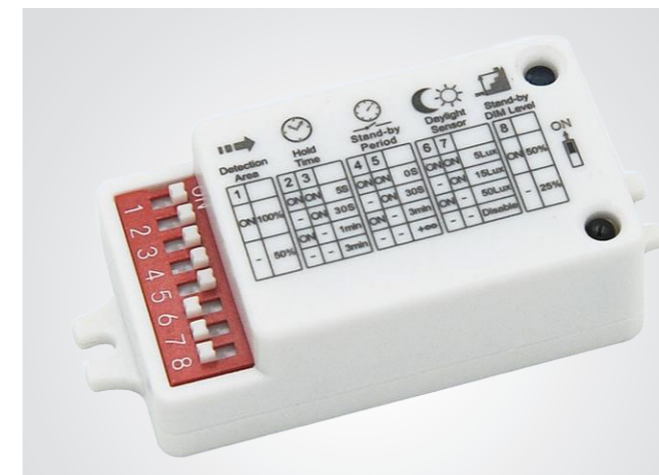
## Use:

- circulation areas
- municipal facilities
- schools
- living spaces
- public spaces
- offices, hotels



## Microwave motion sensor with a dimming function

## Luminaire without frame



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Dimensions
PLC-290-200-CCT	10-20 W	CCT 3,000 K 4,000 K	2,300 lm	>0.9	≥80	Ø290×57 mm
PLC-360-300-CCT	15-30 W	CCT 3,000 K 4,000 K	3,300 lm	>0.9	≥80	Ø360×57 mm
PLC-290-200-CCT-MD	10-20 W	CCT 3,000 K 4,000 K	2,300 lm	>0.9	≥80	Ø290×57 mm
PLC-360-300-CCT-MD	15-30 W	CCT 3,000 K 4,000 K	3,300 lm	>0.9	≥80	Ø360×57 mm

# CEILING LED LAMP SLR/SLS 'TALAR'



## Description:

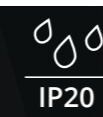
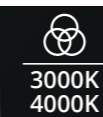
SLS/SLR 'TALAR' are LED ceiling lamps for surface mounting. The fixtures are distinguished by their modern design and strong housing. The line covers products with a **SLR** symbol – round version – and **SLS** – square version. Fixture body is made of white powder-coated aluminium alloy. The mounting handle guarantees a stable mounting of the fixture and easy assembly. The cover is made of plastic (PMMA). Compact size, simple assembly and mounting make this fixture versatile. A power supply compliant with the light source is supplied with the fixture.

There's an option to change housing colour to RAL7016 (charcoal grey) or RAL9005 (black).

## Use:

- corridors
- staircases
- living spaces
- public spaces
- boutiques, offices, hotels, bars

**SAMSUNG LED inside**



## Mounting crossbar



## RAL9005 colour option



Code Index	Power	Colour temperature	Luminous flux	Shape	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
SLR-120-060-3K	6 W	3,000 K	540 lm	round	>0.5	≥80	120°	90 lm/W	0.30 kg	Ø120×33 mm
SLR-120-060-4K	6 W	4,000 K	570 lm	round	>0.5	≥80	120°	95 lm/W	0.30 kg	Ø120×33 mm
SLR-180-120-3K	12 W	3,000 K	1,080 lm	round	>0.5	≥80	120°	90 lm/W	0.50 kg	Ø180×33 mm
SLR-180-120-4K	12 W	4,000 K	1,140 lm	round	>0.5	≥80	120°	95 lm/W	0.50 kg	Ø180×33 mm
SLR-240-180-3K	18 W	3,000 K	1,620 lm	round	>0.5	≥80	120°	90 lm/W	0.67 kg	Ø225×33 mm
SLR-240-180-4K	18 W	4,000 K	1,710 lm	round	>0.5	≥80	120°	95 lm/W	0.67 kg	Ø225×33 mm
SLR-300-240-3K	24 W	3,000 K	2,050 lm	round	>0.5	≥80	120°	85 lm/W	1.10 kg	Ø300×33 mm
SLR-300-240-4K	24 W	4,000 K	2,150 lm	round	>0.5	≥80	120°	90 lm/W	1.10 kg	Ø300×33 mm
SLS-120-060-3K	6 W	3,000 K	540 lm	square	>0.5	≥80	120°	90 lm/W	0.28 kg	120×120×33 mm
SLS-120-060-4K	6 W	4,000 K	570 lm	square	>0.5	≥80	120°	95 lm/W	0.28 kg	120×120×33 mm
SLS-180-120-3K	12 W	3,000 K	1,080 lm	square	>0.5	≥80	120°	90 lm/W	0.52 kg	180×180×33 mm
SLS-180-120-4K	12 W	4,000 K	1,140 lm	square	>0.5	≥80	120°	95 lm/W	0.52 kg	180×180×33 mm
SLS-240-180-3K	18 W	3,000 K	1,620 lm	square	>0.5	≥80	120°	90 lm/W	0.78 kg	225×225×33 mm
SLS-240-180-4K	18 W	4,000 K	1,710 lm	square	>0.5	≥80	120°	95 lm/W	0.78 kg	225×225×33 mm
SLS-300-240-3K	24 W	3,000 K	2,050 lm	square	>0.5	≥80	120°	85 lm/W	1.25 kg	300×300×33 mm
SLS-300-240-4K	24 W	4,000 K	2,150 lm	square	>0.5	≥80	120°	90 lm/W	1.25 kg	300×300×25 mm

# CEILING LAMP PSF711 / 712 'GABI'



## Description:

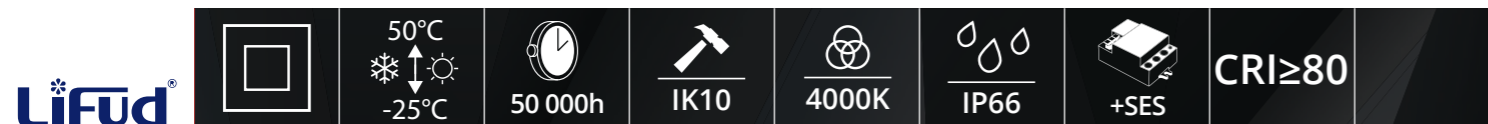
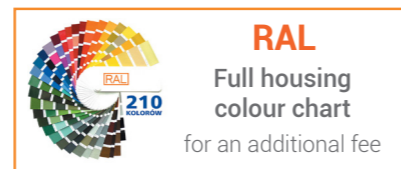
'GABI' ceiling lamps are distinguished by their high energy efficiency and a service life several times longer compared to traditional uses. Thanks to its high IP66 watertightness and IK10 mechanical durability, the fixture is adapted for mounting in high-humidity rooms and outdoors. The fixtures come with a Lifud branded power supply.

The offer also covers ceiling lamps with a microwave motion sensor – MD versions. PSF711-304-MD and PSF712-304-MD versions have a built-in microwave sensor with a dimming function. This means that fixtures don't switch off, but instead reduce their power to ca. 30%, until motion is detected again.

Option to change fixture parameters upon special request or for a given project.

## Use:

- living spaces
- staircases
- balconies, porches
- bathrooms



\*after meeting the specific warranty conditions  
\*\*emergency module available



## Built-in Lifud power supply



## Microwave sensor with a dimming function\*



\* PSF-304-MD; PFS712-304-MD

Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Luminous efficacy	Dimensions (l×w×h)	Built-in sensor
PSF711-124-MD	12 W	4,000 K	1,200 lm	>0.7	≥80	100 lm/W	Ø308×88 mm	microwave
PSF711-304	30 W	4,000 K	3,500 lm	>0.9	≥80	117 lm/W	Ø350×103 mm	-
PSF711-304-MD	30 W	4,000 K	3,500 lm	>0.9	≥80	117 lm/W	Ø350×103 mm	microwave with a dimming function
PSF712-304	30 W	4,000 K	3,500 lm	>0.9	≥80	117 lm/W	300×300×78 mm	-
PSF712-304-MD	30 W	4,000 K	3,500 lm	>0.9	≥80	117 lm/W	300×300×78 mm	microwave with a dimming function

# CEILING LAMP PSF707 'DIANA'



## Description:

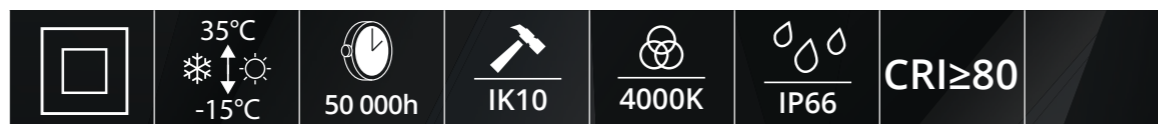
'DIANA' LED ceiling lamps with increased power and built-in high-quality diodes. The fixtures have a low profile which makes them a perfect solution for small rooms, circulation areas or corridors. Thanks to its high IP66 watertightness, the fixture is adapted for mounting in high-humidity rooms and outdoors.

'DIANA' ceiling lamps have a built-in **microwave motion sensor**, available in MD models, that automatically switches off the fixture if no person is detected near the sensor or if the room is bright enough.

This way, the fixture is environmentally friendly and prevents waste of energy. The main advantage of PSF707 fixtures is their easy installation with the dedicated bracket.

## Use:

- corridors
- staircases
- living spaces
- public spaces



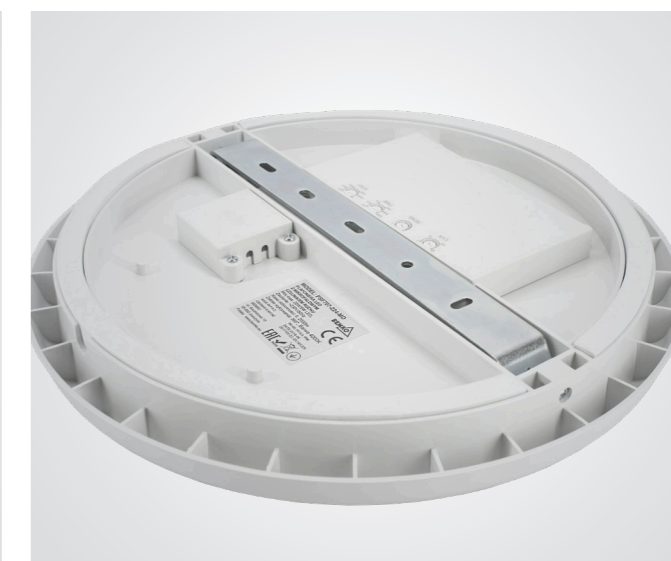
\*after meeting the specific warranty conditions



## Low profile



## Covered power connector



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Luminous efficacy	Dimensions	Built-in sensor
PSF707-164	16 W	4,000 K	1,750 lm	>0.95	≥80	110 lm/W	Ø265×50 mm	-
PSF707-164-MD	16 W	4,000 K	1,750 lm	>0.95	≥80	110 lm/W	Ø265×50 mm	microwave
PSF707-224	22 W	4,000 K	2,200 lm	>0.95	≥80	100 lm/W	Ø300×50 mm	-
PSF707-224-MD	22 W	4,000 K	2,200 lm	>0.95	≥80	100 lm/W	Ø300×50 mm	microwave

# CEILING LED LAMP PSF706 'KATIA'



## Description:

'KATIA' ceiling lamps are distinguished by their high energy efficiency and a service life several times longer compared to traditional uses. Thanks to its high IP66 watertightness and IK10 mechanical durability, PSF706 fixture is adapted for mounting in high-humidity rooms and outdoors. Thanks to the built-in hinges, the fixture is easy to install, and the microwave motion sensor available in MD version is easy to configure.

The sensor has a **dimming function** – the fixture doesn't switch off completely. Instead, it reduces its power up to 10% or 20% depending on the setting, until motion is detected again.

The main advantage of PSF706 is a higher number of **on/off** cycles – significantly higher than in the case of fluorescent lamp solutions.

An option to change fixture parameters for a special order or for a given project.

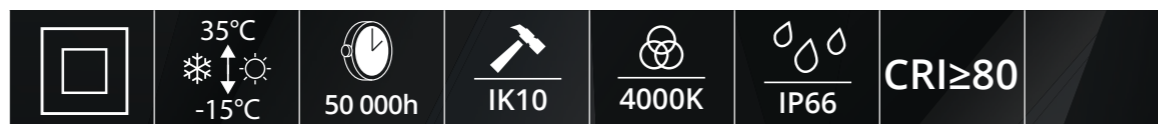
## Use:

- balconies, verandas, porches
- bathrooms, toilets
- living spaces

### Cable gland with end cap



### Internal sensor with build-in power supply



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions	Built-in sensor
PSF706-164	16 W	4,000 K	1,300 lm	>0.9	≥80	120°	81 lm/W	0.99 kg	Ø305×90	-
PSF706-164-MD	16 W	4,000 K	1,300 lm	>0.9	≥80	120°	81 lm/W	1.0 kg	Ø305×90	microwave
PSF706-224	22 W	4,000 K	2,000 lm	>0.9	≥80	120°	91 lm/W	1.09 kg	Ø305×90	-
PSF706-224-MD	22 W	4,000 K	2,000 lm	>0.9	≥80	120°	91 lm/W	1.10 kg	Ø305×90	microwave

\*after meeting the specific warranty conditions

# CEILING LAMP PHR/LHS 'TOFIR'



## Description:

'TOFIR' line of modern hermetic ceiling lamps is distinguished by a modern design and a strong housing. The line covers products labelled:

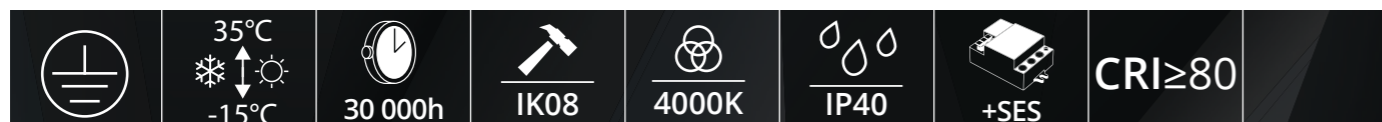
- **LHR / LHS** – round/square version; built-in LED light source
- **PHR / PHS** – round/square version; built-in E27 sockets

The ceiling lamps have an IP40/IP44 watertightness level which provides basic protection from humidity and pollutants. A frame made of brushed aluminium makes a strong finish of the fixture.

Compact size, unique appearance and easy installation make the fixture versatile. Flush ceiling light functionality can be increased by using a microwave motion sensor or an emergency module with the CNBOP certificate.

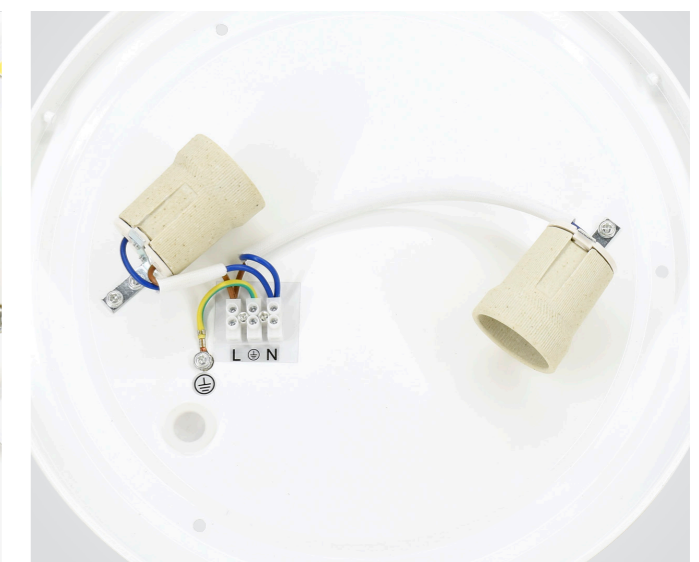
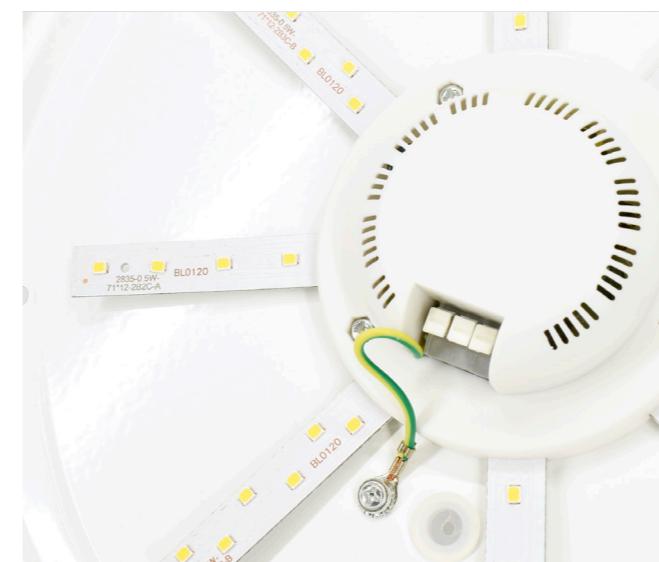
## Use:

- living spaces
- public spaces
- offices, studios
- hotels



Interior of the LHR version

Interior of the PHR version



Code Index	Power*	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Luminous efficacy	Protection grade	Dimensions
PHR220	2×20 W LED A60	-	-	>0.5	≥80	-	IP44	Ø330×100 mm
PHS220	2×20 W LED A60	-	-	>0.5	≥80	-	IP40	320×320×100 mm
LHR-330-160-4K	16 W	4,000 K	1,150 lm	>0.5	≥80	72 lm/W	IP44	Ø330×100 mm
LHS-310-160-4K	16 W	4,000 K	1,150 lm	>0.5	≥80	72 lm/W	IP40	300×300×100 mm

\* No light source included  
Models with built-in microwave sensor are also available

# CEILING LED LAMP KAN2 'KANLO'

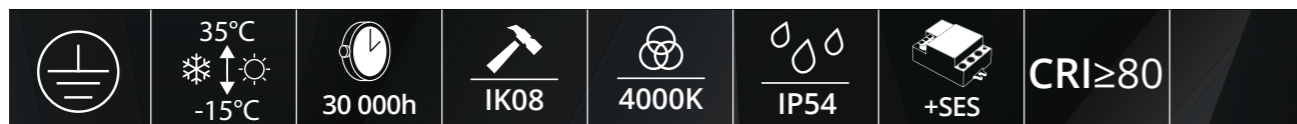


### Description:

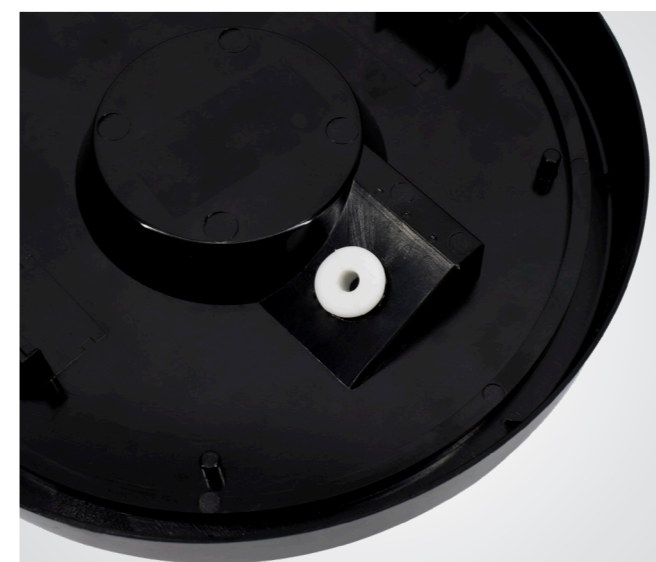
KAN2 'KANLO' ceiling lamps are distinguished by their high energy efficiency and a service life several times longer compared to traditional uses. KAN2 fixtures have an IP54 watertightness level which provides basic protection from humidity and pollution. Main areas of use: basements, storage rooms, technical rooms. KAN2 models with a built-in microwave motion sensor with a detection range of 120° and max. 7 m are also available

### Use:

- technical rooms
- storage rooms
- basements



### Hermetic stuffing box



### 8 W versions



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Luminous efficacy	Dimensions
KAN2-08-BLO-4K	8 W	4,000 K	760 lm	>0.5	≥80	95 lm/W	160×89×46 mm
KAN2-08-WHO-4K	8 W	4,000 K	760 lm	>0.5	≥80	95 lm/W	160×89×46 mm
KAN2-12-BLR-4K	12 W	4,000 K	1,150 lm	>0.5	≥80	95 lm/W	Ø178×51 mm
KAN2-12-WHR-4K	12 W	4,000 K	1,150 lm	>0.5	≥80	95 lm/W	Ø178×51 mm
KAN2-18-BLR-4K	18 W	4,000 K	1,750 lm	>0.5	≥80	97 lm/W	Ø210×51 mm
KAN2-18-WHR-4K	18 W	4,000 K	1,750 lm	>0.5	≥80	97 lm/W	Ø210×51 mm

Models with built-in microwave sensor are also available

# CEILING LED LAMP PLA 'PLATO'



## Description:

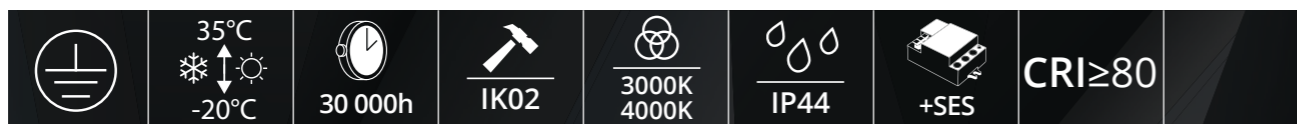
'PLATO' line of LED ceiling lamps can be used to light living and service spaces. Thanks to the compatibility with external and internal motion sensors, they are also a good solution for staircases and circulation areas.

Fixture resistance is ensured by its body made of thick steel, and the milky PMMA cover evenly distributes light in every direction. There is a possibility to install an internal microwave sensor from the Bemko offer or an emergency module with a CNBOP certificate.

The offer also covers flush ceiling lights with a microwave motion sensor – **MS and MD versions**. **MD-index** luminaires additionally have a built-in **microwave sensor with a dimming function**. This means that luminaires do not switch off, but instead reduce their power to approx. 30% or 10% depending on the setting, until motion is detected again.

## Use:

- circulation areas
- municipal facilities
- schools
- living spaces
- public spaces
- offices, hotels



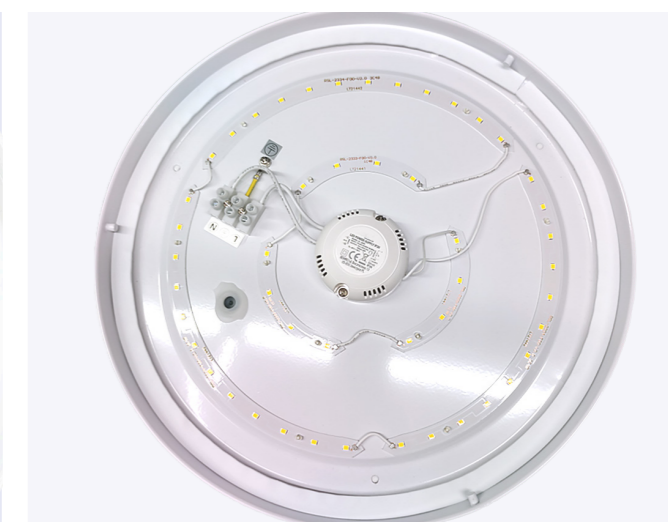
\*emergency module available (for 24 W, 36 W versions)



## Interior of the E27 fixture\*



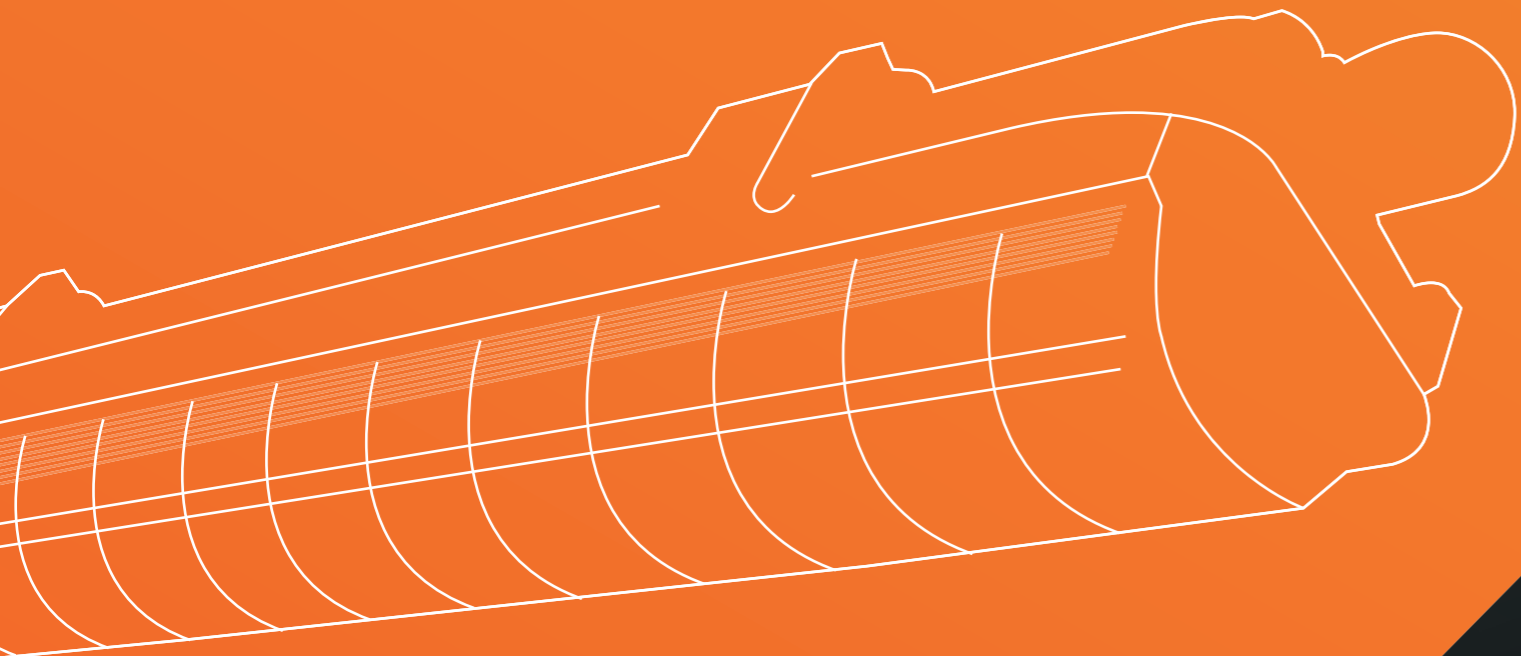
## Interior of the fixture



Code Index	Power	Colour temperature	Luminous flux	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
PLA-260-1E27	1x 10 W E27	-	-	-	-	-	0.38 kg	Ø254x90 mm
PLA-285-2E27	2x 10 W E27	-	-	-	-	-	0.38 kg	Ø285x91 mm
PLA-260-120-3K	12 W	3,000 K	900 lm	≥80	120°	75 lm/W	0.38 kg	Ø254x90 mm
PLA-260-120-4K	12 W	4,000 K	1,130 lm	≥80	120°	94 lm/W	0.38 kg	Ø254x90 mm
PLA-260-120-3K-MD	12 W	3,000 K	900 lm	≥80	120°	75 lm/W	0.38 kg	Ø254x90 mm
PLA-260-120-4K-MD	12 W	4,000 K	1,130 lm	≥80	120°	94 lm/W	0.38 kg	Ø254x90 mm
PLA-285-180-3K	18 W	3,000 K	1,450 lm	≥80	120°	80 lm/W	0.45 kg	Ø285x91 mm
PLA-285-180-4K	18 W	4,000 K	1,620 lm	≥80	120°	90 lm/W	0.45 kg	Ø285x91 mm
PLA-350-240-3K	24 W	3,000 K	1,800 lm	≥80	120°	75 lm/W	0.58 kg	Ø325x102 mm
PLA-350-240-4K	24 W	4,000 K	2,160 lm	≥80	120°	90 lm/W	0.58 kg	Ø325x102 mm
PLA-450-360-3K	36 W	3,000 K	3,250 lm	≥80	120°	90 lm/W	0.91 kg	Ø435x115 mm
PLA-450-360-4K	36 W	4,000 K	3,250 lm	≥80	120°	90 lm/W	0.91 kg	Ø435x115 mm

\* No light source included

MS – Models with built-in microwave sensor are also available



# HERMETIC LUMINAIRES



# HERMETIC LUMINAIRES HLC3 'ARKOS 3'



## Description:

'ARKOS 3' is an improved version of the premium hermetic LED luminaire.

HLC3 has better parameters than its predecessor, a wide light distribution angle and great lighting efficacy (up to 180 lm/W). 'ARKOS 3' is a perfect alternative to traditional hermetic fixtures. The use of modern SMD LED diodes saves up to 90% energy compared to traditional solutions.

The fixture is available in 2 variants differing in materials and mechanical impact resistance:

- IK08 – cover made of high-quality polycarbonate (PC) – 1 B indexes
- IK07 - cover made of PMMA – 2B indexes

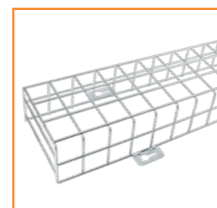
It is designed to meet IP66 watertightness and dust protection rating.

There is an option to order an IP67 fixture, as well as to install a microwave motion sensor – SES75.

Depending on the options HLC3 fixture is compatible with such control systems as: DALI, SwitchDIM, Corridor FUNCTION, BLUETOOTH (Casambi).

## Use:

- parking lots and warehouses
- sports centres, gyms
- industrial halls
- production lines
- logistic facilities
- shops



optional protective mesh



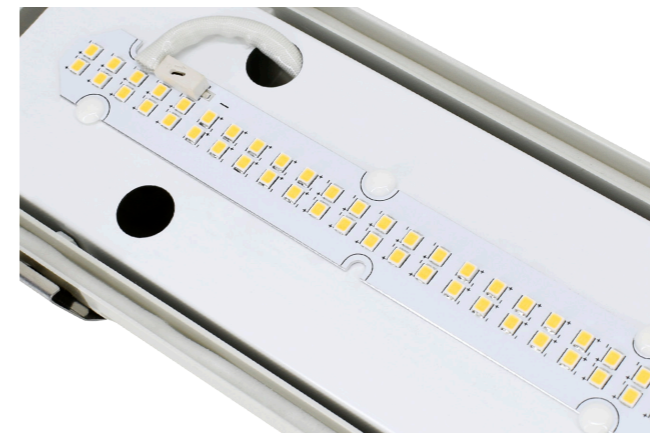
**RAL**  
Full housing  
colour chart  
for an additional fee

powered by **TRIDONIC**

	40°C -20°C	 100 000h	 IK07 IK08	 4000K 6500K	 IP66	 120°	<b>CRI ≥ 80</b> <b>CRI ≥ 90</b>
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\*6,500 K – upon request  
\*\*emergency module available

## High-quality LED diodes



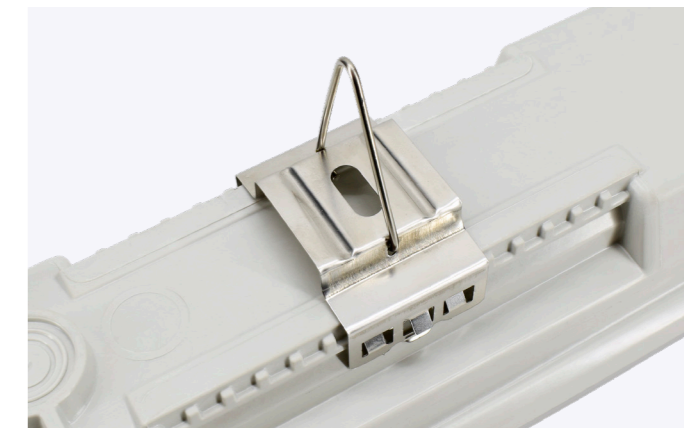
## Metal clips included



## Option to install a motion sensor



## Adjustable bracket for suspended systems



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions (l×w×h)
HLC3-120A-35B-840B-1B	35 W	4,000 K	5,850 lm	>0.95	>80	120°	167 lm/W	1,185×88×85 mm
HLC3-120A-40B-840B-1B	40 W	4,000 K	6,600 lm	>0.95	>80	120°	165 lm/W	1,185×88×85 mm
HLC3-120A-50B-840B-1B	50 W	4,000 K	8,250 lm	>0.95	>80	120°	165 lm/W	1,185×88×85 mm
HLC3-120A-60B-840B-1B	60 W	4,000 K	9,900 lm	>0.95	>80	120°	165 lm/W	1,185×88×85 mm
HLC3-120A-70B-840B-1B	70 W	4,000 K	11,250 lm	>0.95	>80	120°	161 lm/W	1,185×88×85 mm
HLC3-120A-80B-840B-1B	80 W	4,000 K	12,600 lm	>0.95	>80	120°	158 lm/W	1,185×88×85 mm
HLC3-120A-35B-840B-2B	35 W	4,000 K	6,300 lm	>0.95	>80	120°	180 lm/W	1,185×88×85 mm
HLC3-120A-40B-840B-2B	40 W	4,000 K	7,200 lm	>0.95	>80	120°	180 lm/W	1,185×88×85 mm
HLC3-120A-50B-840B-2B	50 W	4,000 K	9,000 lm	>0.95	>80	120°	180 lm/W	1,185×88×85 mm
HLC3-120A-60B-840B-2B	60 W	4,000 K	10,500 lm	>0.95	>80	120°	175 lm/W	1,185×88×85 mm
HLC3-120A-70B-840B-2B	70 W	4,000 K	11,900 lm	>0.95	>80	120°	170 lm/W	1,185×88×85 mm
HLC3-120A-80B-840B-2B	80 W	4,000 K	13,250 lm	>0.95	>80	120°	166 lm/W	1,185×88×85 mm

Brackets for surface mounting included.  
Wire suspension set – upon request (length: 1.5 m, 3.0 m and 5.0 m).  
3-core cables, 5-core cables – upon request

# HERMETIC LUMINAIRES HLA3 'ALWIR 3'



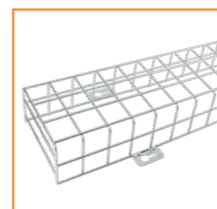
## Description:

The 'ALWIR 3' hermetic luminaire is a perfect alternative to classic fluorescent luminaires. The use of modern LED diodes saves up to 90% energy compared to traditional solutions. The housing and the housing cover are made of high-quality plastic (polycarbonate) and designed to meet IP65 watertightness standard and IK08 resistance standard. This means that the fixture is perfect with high humidity and dustiness levels, but also for warehouses, sports and industrial halls.

Thanks to its high quality, durability and long service life, combined with an attractive price, the product meets expectations of even the most demanding clients. An option to change fixture parameters for a special order or for a given project.

## Use:

- warehouses
- sports halls
- industrial halls
- production lines
- logistic facilities
- shops



optional protective mesh



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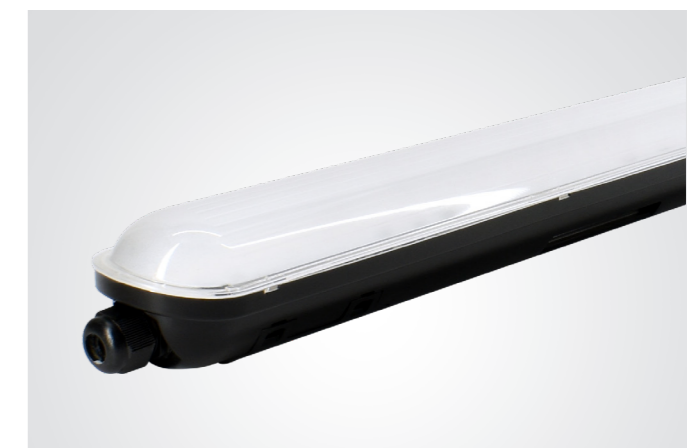
\*emergency module available



## Option to install a motion sensor



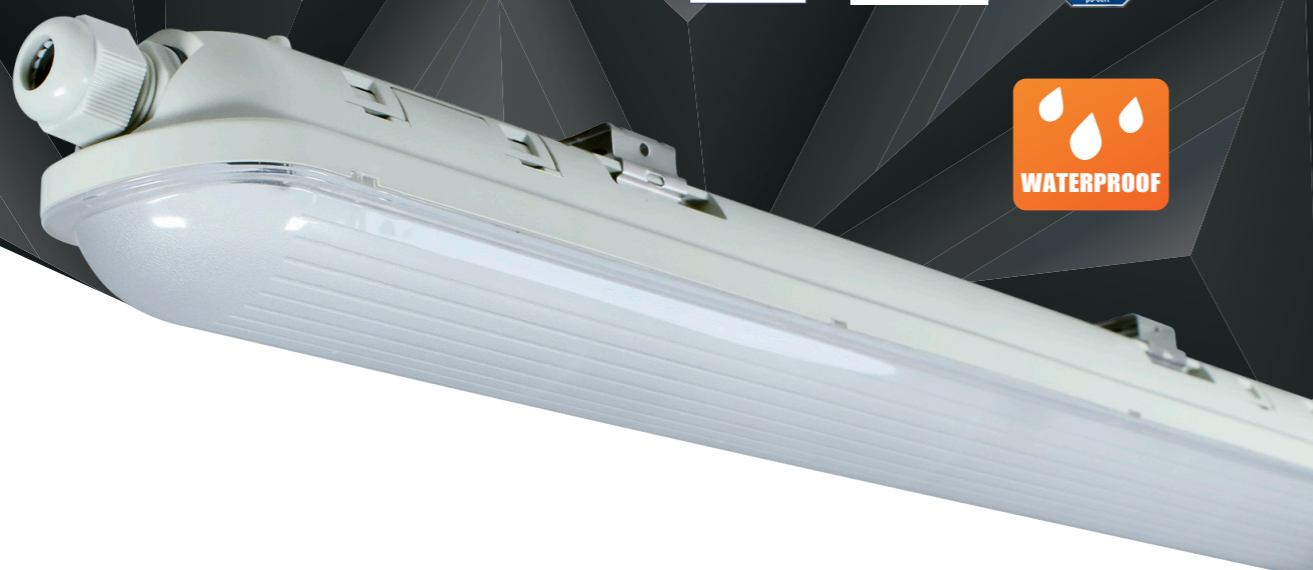
## RAL9005 colour option



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions (l×w×h)
HLA3-060-160-4K	16 W	4,000 K	2,700 lm	>0.9	≥80	120°	168 lm/W	0.66 kg	665×75×73 mm
HLA3-120-350-4K	35 W	4,000 K	6,000 lm	>0.9	≥80	120°	171 lm/W	1.27 kg	1,165×75×73 mm
HLA3-150-460-4K	46 W	4,000 K	7,800 lm	>0.9	≥80	120°	170 lm/W	1.60 kg	1,465×75×73 mm

# HERMETIC LUMINAIRES

## HLB 'BALWIR'



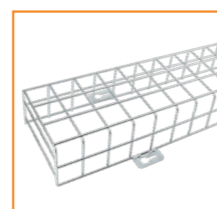
### Description:

An alternative to fluorescent lamps: '**BALWIR**' fixture with an improved lighting efficacy. The product has **integrated LED diodes** enclosed in a hermetic housing. The polycarbonate cover is frosted to properly distribute the light generated by the lamp, which gives it additional aesthetic value. The fixture is hermetic and can be installed both indoors and outdoors.

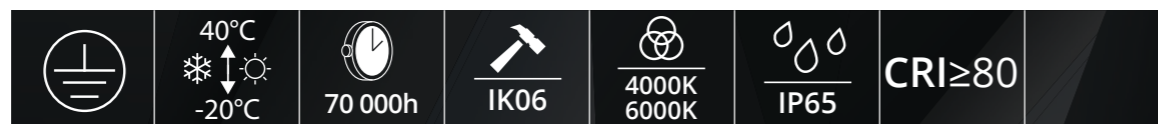
Greater luminous efficacy (**up to 150 lm/W**) and an isolated power supply system guarantees proper lighting of the room and low power consumption.

### Use:

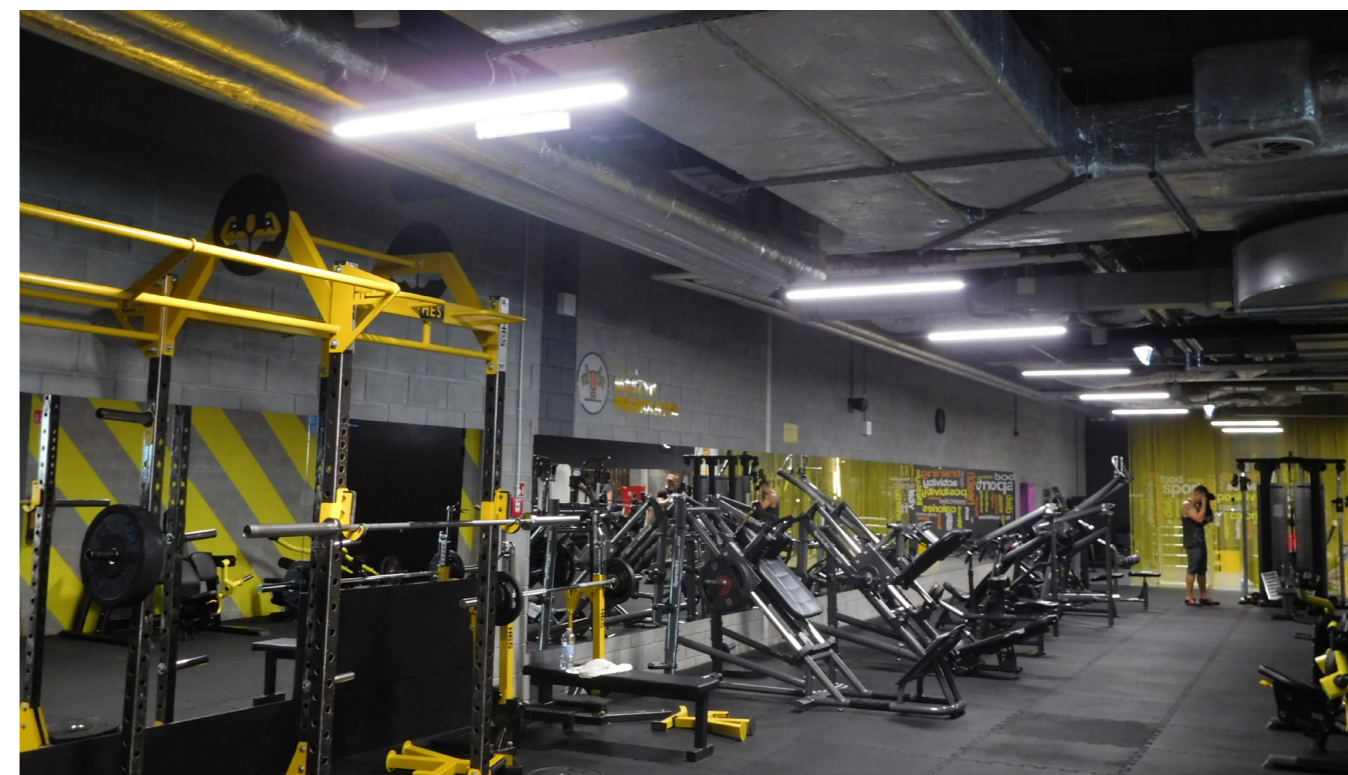
- warehouses
- sports halls
- industrial halls
- production lines
- shops, supermarkets



optional protective mesh



\*emergency module available



### Integrated LED light sources



### RAL9005 colour option



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
HLB-060-210-4K	21 W	4,000 K	3,150 lm	>0.7	≥80	120°	150 lm/W	0.57 kg	590×72×61 mm
HLB-060-210-6K	21 W	6,000 K	3,150 lm	>0.7	≥80	120°	150 lm/W	0.57 kg	590×72×61 mm
HLB-120-330-4K	33 W	4,000 K	4,950 lm	>0.9	≥80	120°	150 lm/W	1.11 kg	1,180×72×61 mm
HLB-120-330-6K	33 W	6,000 K	4,950 lm	>0.9	≥80	120°	150 lm/W	1.11 kg	1,180×72×61 mm
HLB-150-460-4K	46 W	4,000 K	6,900 lm	>0.9	≥80	120°	150 lm/W	1.32 kg	1,480×72×61 mm
HLB-150-460-6K	46 W	6,000 K	6,900 lm	>0.9	≥80	120°	150 lm/W	1.32 kg	1,480×72×61 mm

# HERMETIC LED LUMINAIRES HLS 'SOLIS'



## Description:

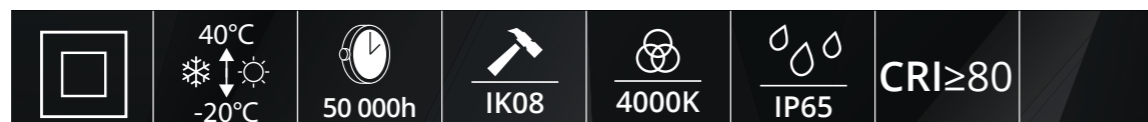
The **HLS 'SOLIS'** luminaire is distinguished by its durability, energy-saving properties and reliability. Thanks to the high **IP65** protection level and **IK06** durability level, the fixture can be used in places with high humidity and dustiness levels. Both the lamp and the cover are made of high-quality polycarbonate (PC) resistant to mechanical damage caused by the destination of rooms where the fixture is installed. Thanks to the milky HLS cover, the emitted light doesn't cause eye fatigue. The lamp emits neutral **4,000 K** light.

Thanks to the use of a high-performance light system and an **isolated power supply system**, **HLS** luminaires are characterised by high luminous efficacy and durability.

For user safety and convenience, the fixture has a **hermetic connection chamber** and an option of through connection. Option to change fixture parameters upon special request or for a given project.

## Use:

- warehouses
- industrial halls
- production lines
- logistic facilities



## Narrow luminaire body (45 mm)



## Connection chamber



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions
HLS-060-180-4K	18 W	4,000 K	2,000 lm	>0.9	≥80	120°	112 lm/W	600×70×45 mm
HLS-120-360-4K	36 W	4,000 K	4,000 lm	>0.9	≥80	120°	112 lm/W	1,200×70×45 mm
HLS-150-480-4K	48 W	4,000 K	5,500 lm	>0.9	≥80	120°	115 lm/W	1,500×80×45 mm

# HERMETIC LUMINAIRES STA / STP 'ALGAR'



## Description:

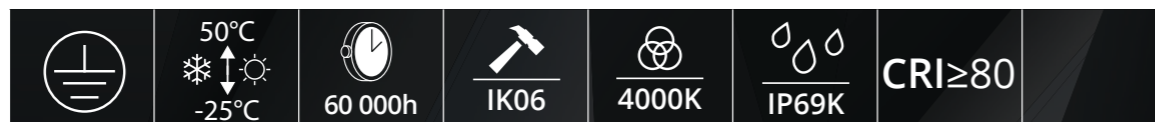
STA / STP 'ALGAR' are lightweight, hermetic industrial luminaires designed for lighting rooms with difficult working conditions. They can be used in such places as meat processing facilities or animal farms. 'Algar' has the highest IP69K watertightness class, which means it can be exposed to extremely hard working conditions and it's totally water-tight and dust resistant.

The fixtures meet D labelling requirements and have a HACCP certificate for the use in food and drink industry companies which meet the 6th version of IFS standard and BRC Global Food Safety Standard.

The fixtures are equipped with mounting brackets made of acid-resistant steel, with hooks, and a 3x1 mm cord with a length of 1.0 m or 1.5 m as a standard.

## Use:

- rooms with high humidity, dust levels, temperature variations, and aggressive environments – urea, ammonia
- production halls and food packing lines
- industrial, commercial, manufacturing facilities
- food industry facilities (cold stores, dairies, mushroom farms, slaughterhouses, storage facilities)
- utility facilities for livestock (barns, stables, pig farms, etc.)



## End caps: Chromated aluminium



## Body: PC + chemical coating



Code Index	Power	Colour temperature	Luminous flux	Power factor	Beam angle	Luminous efficacy	Weight	Dimensions
STA-70-120-OPAL-840	70 W	4,000 K	7,350 lm	>0.9	120°	105 lm/W	2.2 kg	Ø70x1,210 mm
STA-70-120-TRC-PREMIUM-840	70 W	4,000 K	11,000 lm	>0.9	120° / 60° / 90°	157 lm/W	2.2 kg	Ø70x1,210 mm
STA-70-120-TRC-ECO-840	70 W	4,000 K	10,640 lm	>0.9	120° / 60° / 90°	152 lm/W	2.2 kg	Ø70x1,210 mm
STP-40-150-T8OU-830	22 W	3,000 K	3,690 lm	>0.9	190°	167 lm/W	1.0 kg	Ø40x1,550 mm
STP-40-150-T8OU-840	22 W	4,000 K	4,100 lm	>0.9	190°	185 lm/W	1.0 kg	Ø40x1,550 mm
STP-40-150-T8OU-865	22 W	6,500 K	4,100 lm	>0.9	190°	185 lm/W	1.0 kg	Ø40x1,550 mm

\*after meeting the specific warranty conditions

# HERMETIC LUMINAIRES HLT PMMA 'TUBE S'

LED TUBE



## Description:

LED HLT **PMMA 'TUBE S'** is a specialist hermetic fixture designed for rooms with extremely difficult working conditions, where all types of detergents and surfactant cleaners are used. HLT PMMA is resistant to strong chemicals like sodium hydroxide, potassium hydroxide and ammonia.

They can be used in such places as meat processing facilities or animal farms. The housing facilitates cleaning, and the lightweight construction facilitates fixture installation.

### It meets the criteria of internal HACCP requirements.

The possibility of suspended installation or wall installation with an option to adjust beam angle and control light intensity through DALI system.

## Use:

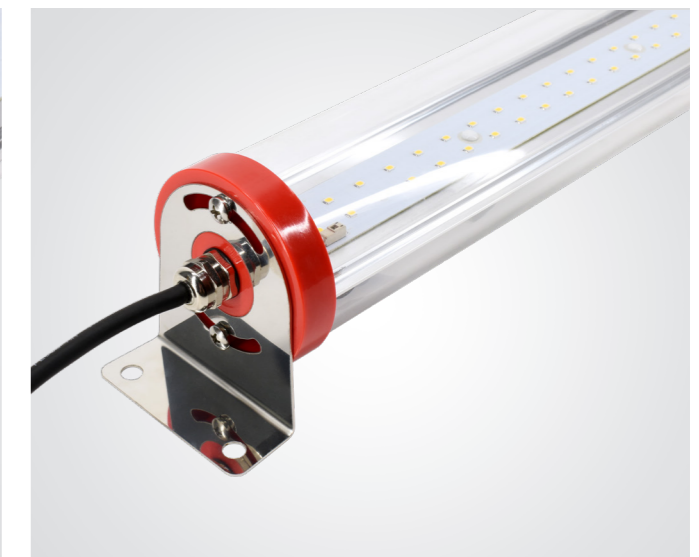
- food industry facilities
- production halls
- utility facilities for livestock



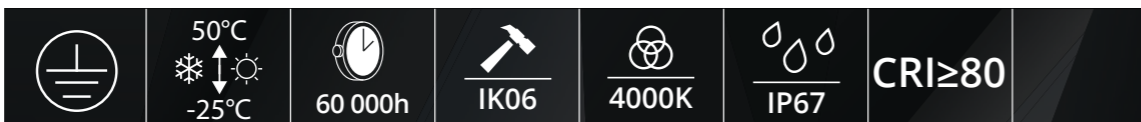
## LED modules, Samsung diode



## Brass cable gland



powered by  
**TRIDONIC**



\*after meeting the specific warranty conditions

Code Index	Power	Colour temperature	Luminous flux	Power factor	Weight	Luminous efficacy	Dimensions
HLT-ST-120-440-4K-PMMA	44 W	4,000 K	7,920 lm	>0.9	1.35 kg	180 lm/W	1,240×115×75 mm

# HERMETIC LUMINAIRES

## OHT T8-LED

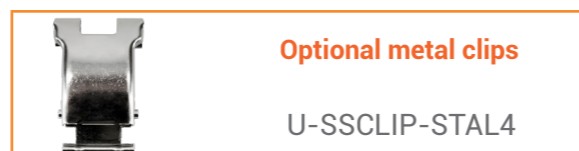
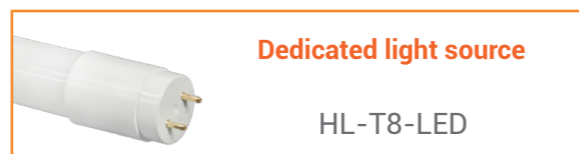


### Description:

A classic hermetic fixture adapted to T8 LED light sources. Thanks to the wide range of use, **OHT** fixture will be perfect for any areas where increased fixture watertightness is required. The high quality of its components guarantees durability. The housing is made of ABS, and the cover is made of impact-resistant polycarbonate.

### Use:

- warehouses
- sports centres, gyms
- industrial halls
- production lines
- logistic facilities
- shops, supermarkets, schools



\*emergency module available

### Quick connector included



### Hinged lamp cover for easy installation



Code Index	Dedicated light source	Power supply type	Installation clips	Dimensions
OHT-060-1KP	1x T8-LED 60 cm	Versatile*	6	660×70×78 mm
OHT-060-2KP	2x T8-LED 60 cm	Versatile*	6	660×100×78 mm
OHT-120-1KP	1x T8-LED 120 cm	Versatile*	10	1,260×70×78 mm
OHT-120-2KP	2x T8-LED 120 cm	Versatile*	10	1,260×100×78 mm
OHT-150-1KP	1x T8-LED 150 cm	Versatile*	12	1,560×70×78 mm
OHT-150-2KP	2x T8-LED 150 cm	Versatile*	12	1,560×100×78 mm

\*for one-side powered T8-LED tubes

# LED TUBE HL 'HIGH LUMEN'

LED TUBE

**EFFICIENCY**  
up to 160 lm/W

**Flicker-free**  
lighting



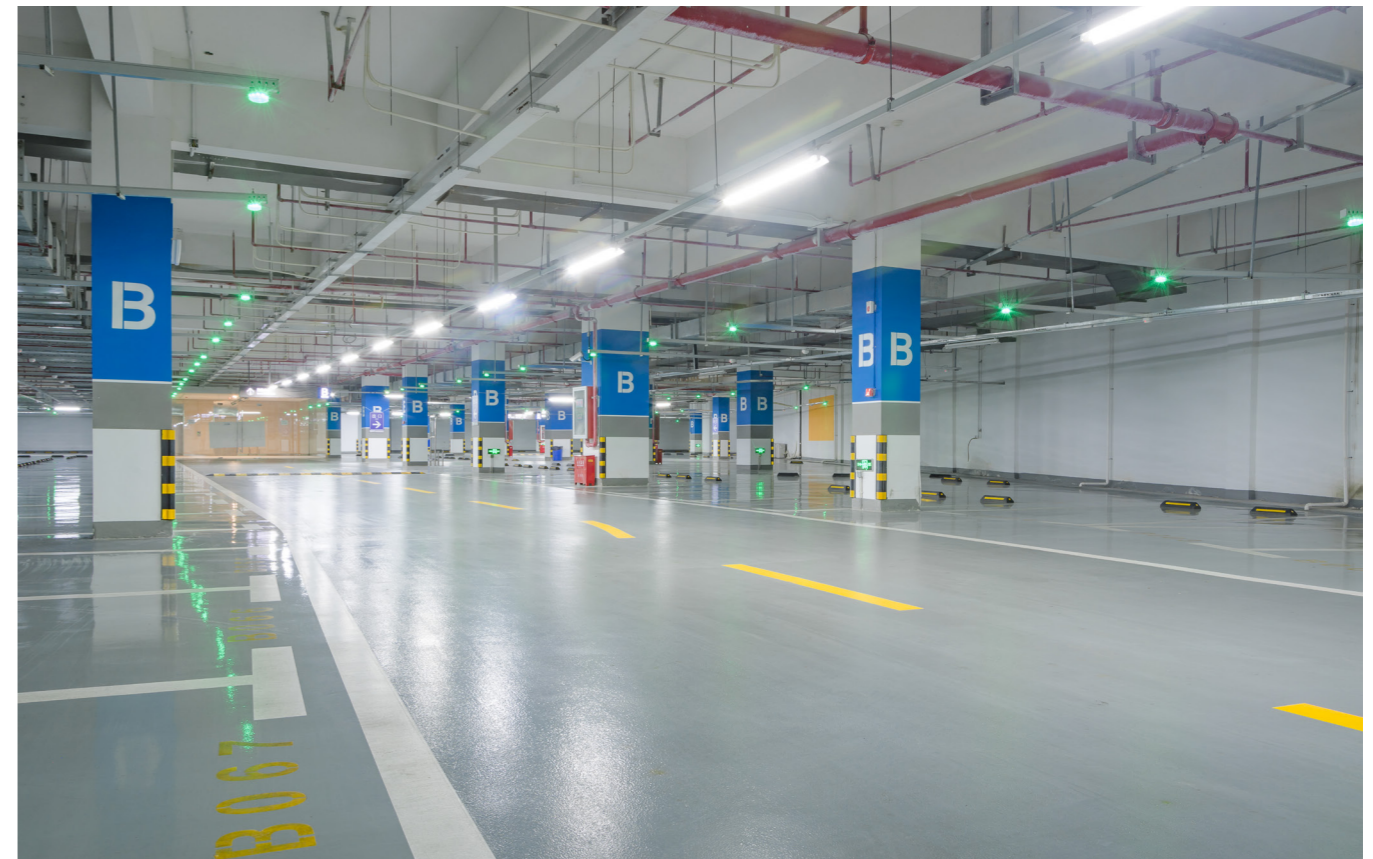
## Description:

Unique energy-saving properties and durability are some of the properties of 'HIGH LUMEN' T8 LED tubes. Thanks to the highly efficient LED Epistar light sources, they are a perfect solution for those who value money-saving and environmental-friendly solutions. **Increased luminous efficacy of up to 160 lm/W** guarantees efficient lighting of the area and low energy consumption. The popularity of the G13 end cap guarantees that a wide range of fixtures are compatible with HIGH LUMEN tubes. Light sources have a milky cover which distributes light evenly and reduces the glare effect.

## Use:

- production halls
- supermarkets
- schools

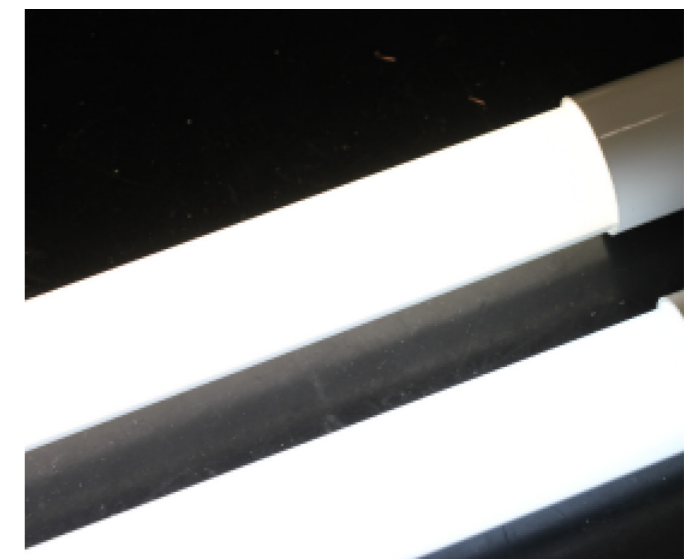
40°C -10°C	T8-LED G13	L80B50 50 000h	4000K 6000K	IP20	CRI ≥ 80
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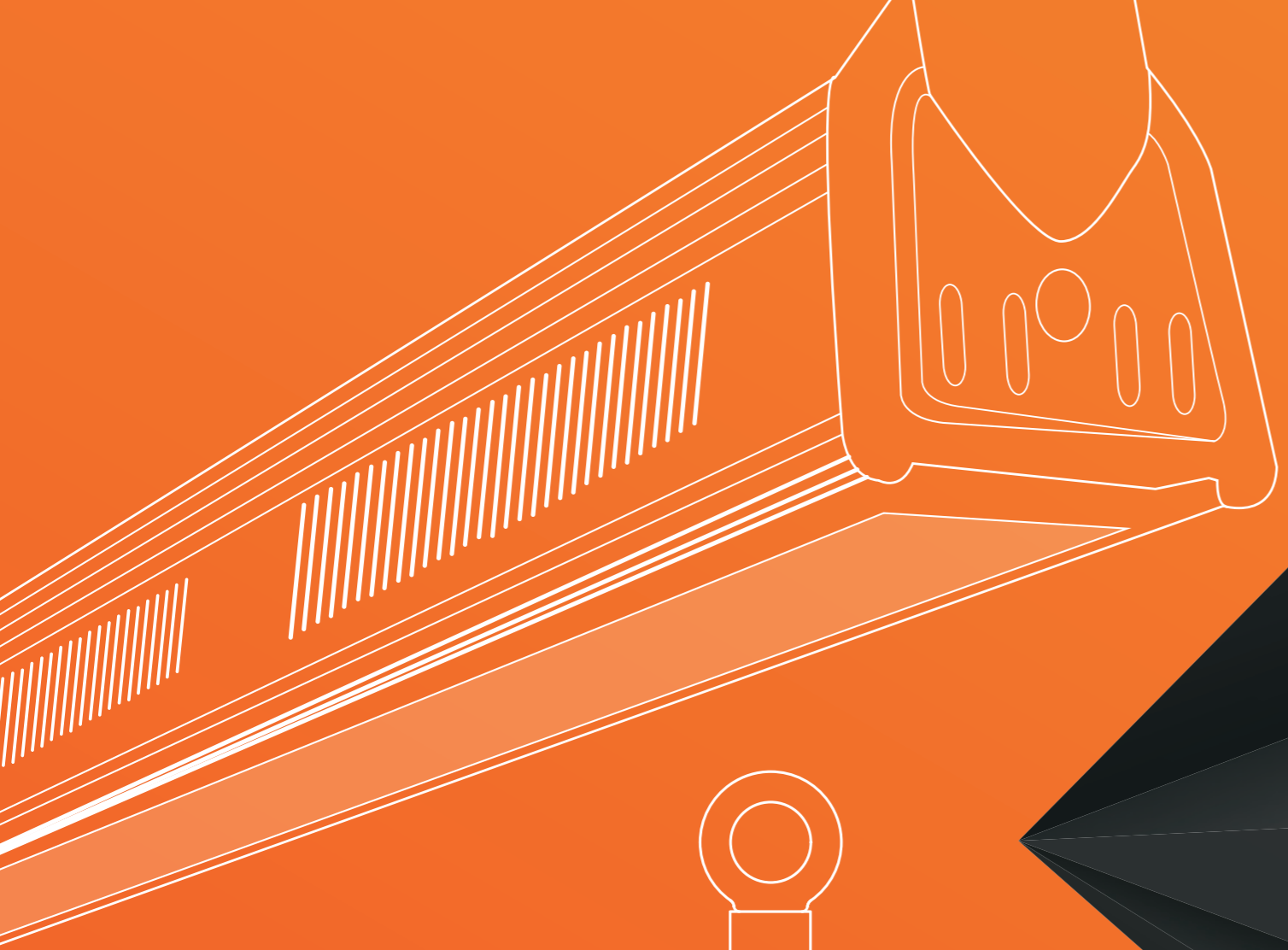
## G13 end cap



## LEDs with increased efficiency



Code Index	Power	Colour temperature	Luminous flux	Power factor	Beam angle	Luminous efficacy	Dimensions
HL-T8-LED060-ZJM-4K	9 W	4,000 K	1,440 lm	>0.5	240°	160 lm/W	604×Ø28 mm
HL-T8-LED060-ZJM-6K	9 W	6,000 K	1,440 lm	>0.5	240°	160 lm/W	604×Ø28 mm
HL-T8-LED120-ZJM-4K	18 W	4,000 K	2,880 lm	>0.5	240°	160 lm/W	1,214×Ø28 mm
HL-T8-LED120-ZJM-6K	18 W	6,000 K	2,880 lm	>0.5	240°	160 lm/W	1,214×Ø28 mm
HL-T8-LED150-ZJM-4K	22 W	4,000 K	3,520 lm	>0.5	240°	160 lm/W	1,514×Ø28 mm
HL-T8-LED150-ZJM-6K	22 W	6,000 K	3,520 lm	>0.5	240°	160 lm/W	1,514×Ø28 mm



# INDUSTRIAL LUMINAIRES

# HIGH BAY FIXTURE HBU3 'ULTRAS 3'



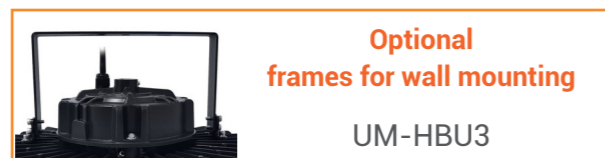
## Description:

'ULTRAS 3' is a high-quality industrial fixture in the professional class. It was constructed based on superior-quality diodes and a reliable power source system by PHILIPS, which guarantees fault-free operation. Complex HBU3 radiator system facilitates the dissipation of heat produced by fixture components.

Replaceable optical lenses: 60° / 90° / 120°. The kit includes a steel line with a snap hook (l. 54 cm) to protect the fixture. PHILIPS Xitanium power supply with an option to control the voltage in the range of 1–10 V allows to adjust light intensity to the room conditions and create complex automated systems.

## Use:

- warehouses
- sports halls
- industrial halls
- production lines



optional protective mesh



1÷10V 80 000h CRI≥80

\*after meeting the specific warranty conditions



## PHILIPS Xitanium power supply



## PHILIPS Lumiled LED diodes



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
HBU3-100W-840-090BL	100 W	4,000 K	19,000 lm	≥0.9	≥80	90°	190 lm/W	2.27 kg	Ø273/121 mm
HBU3-150W-840-090BL	150 W	4,000 K	28,500 lm	≥0.9	≥80	90°	190 lm/W	2.7 kg	Ø308/126 mm
HBU3-200W-840-090BL	200 W	4,000 K	37,000 lm	≥0.9	≥80	90°	185 lm/W	3.2 kg	Ø349/122 mm

\*90° – standard beam angle; 60°, 120° – upon request

# HIGH BAY FIXTURE HBP3 'PARIT'



## Description:

'PARIT' high-bay LED fixture is a perfect alternative to metal-halide or sodium lamps. Long service life of HBP3 fixtures is especially important in hard-to-reach areas (warehouses and industrial halls) due to lack of need to replace the light source or perform technical maintenance of the fixtures. 'PARIT' is a product with a long service life of up to **60,000 hours** and high light efficiency of up to **160 lm/W**. Equipped with short circuit, thermal and voltage surge protection, covered by a 5-year warranty.

Option to order a fixture with a microwave motion sensor and a remote control.



RF-HBP3 – remote control with a motion sensor

## Use:

- warehouses
- sports halls
- industrial halls
- production lines



**Optional frames for wall mounting**

C85-UM-HB-M10



optional protective mesh



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\*\*after meeting the specific warranty conditions



## External power supply



## Replaceable lens: 120° / 90° / 60°



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
HBP3-100A-120BL	100 W	4,000 K	16,000 lm	>0.9	≥80	120°	160 lm/W	2.3 kg	Ø270×115 mm
HBP3-150A-120BL	150 W	4,000 K	24,000 lm	>0.9	≥80	120°	160 lm/W	2.4 kg	Ø270×115 mm
HBP3-200A-120BL	200 W	4,000 K	32,000 lm	>0.9	≥80	120°	160 lm/W	2.7 kg	Ø305×115 mm
HBP3-240A-120BL	240 W	4,000 K	38,400 lm	>0.9	≥80	120°	160 lm/W	3.4 kg	Ø340×122 mm
HBP3-100A-090BL	100 W	4,000 K	16,000 lm	>0.9	≥80	90°	160 lm/W	2.3 kg	Ø270×115 mm
HBP3-150A-090BL	150 W	4,000 K	24,000 lm	>0.9	≥80	90°	160 lm/W	2.4 kg	Ø270×115 mm
HBP3-200A-090BL	200 W	4,000 K	32,000 lm	>0.9	≥80	90°	160 lm/W	2.7 kg	Ø305×115 mm
HBP3-240A-090BL	240 W	4,000 K	38,400 lm	>0.9	≥80	90°	160 lm/W	3.4 kg	Ø340×122 mm

# HIGH BAY FIXTURE HBP3 'PARIT' DALI

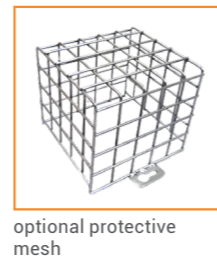
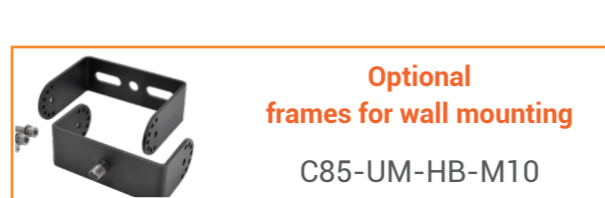


## Description:

'PARIT' high-bay LED fixture is a perfect alternative to metal-halide or sodium lamps. Long service life of HBP3 fixtures is especially important in hard-to-reach areas (warehouses and industrial halls) due to lack of need to replace the light source or perform technical maintenance of the fixtures. 'PARIT' is a product with a long service life of up to **60,000 hours** and high light efficiency of up to **160 lm/W**. Equipped with short circuit, thermal and voltage surge protection, covered by a 5-year warranty.

## Use:

- warehouses
- sports halls
- industrial halls
- production lines



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## External power supply



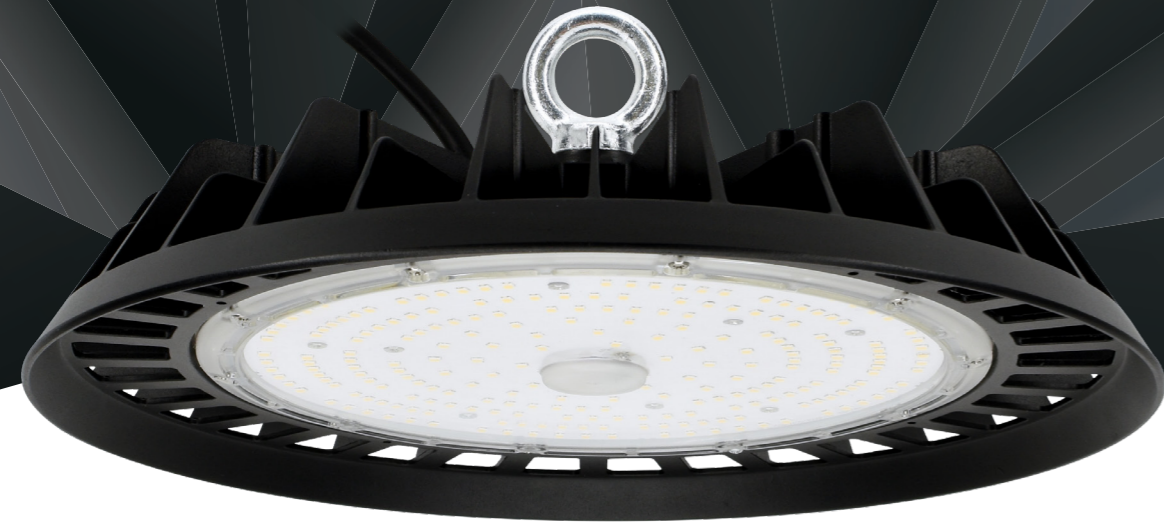
## Replaceable lens: 120°/90°/60°



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
HBP3-100D-090BL	100 W	4,000 K	16,000 lm	>0.9	≥80	90°	160 lm/W	2.3 kg	Ø270×115 mm
HBP3-100D-120BL	100 W	4,000 K	16,000 lm	>0.9	≥80	120°	160 lm/W	2.3 kg	Ø270×115 mm
HBP3-150D-090BL	150 W	4,000 K	24,000 lm	>0.9	≥80	90°	160 lm/W	2.4 kg	Ø270×115 mm
HBP3-150D-120BL	150 W	4,000 K	24,000 lm	>0.9	≥80	120°	160 lm/W	2.4 kg	Ø270×115 mm
HBP3-200D-090BL	200 W	4,000 K	32,000 lm	>0.9	≥80	90°	160 lm/W	2.7 kg	Ø305×115 mm
HBP3-200D-120BL	200 W	4,000 K	32,000 lm	>0.9	≥80	120°	160 lm/W	2.7 kg	Ø305×115 mm

\*HBP3-200 – DALI – upon request  
\*\*after meeting the specific warranty conditions

# HIGH BAY FIXTURE HBV2 'VOYAGER 2'



## Description:

HBV2 'VOYAGER' is a new version of the efficient industrial fixture. Modern construction and excellent light parameters make it an alternative to traditional industrial fixtures which use sodium, mercury or metal-halide lamps. Available with the following power variants: **100 W, 150 W and 200 W**. They have an aluminium radiator which efficiently dissipates heat generated by the fixture. Cable length: **50 cm**.

In the new HBV2 diodes, luminous efficacy equals to **140 lm/W**. Highly efficient LED light sources have a C energy class.

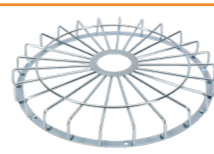
## Use:

- warehouses
- sports halls
- industrial halls
- production lines



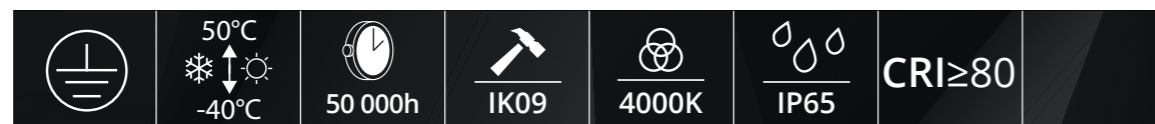
**Optional frames for wall mounting**

C85-UM-HB-M10



**Optional protective mesh**

SSNET



Replaceable lens: 120°/90°/60°

Mounting loop



Code Index	Power	Colour temperature	Luminous flux	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
HBV2-100-4K-120BL	100 W	4,000 K	14,000 lm	≥80	120°	140 lm/W	1.5 kg	Ø280×124×76 mm
HBV2-150-4K-120BL	150 W	4,000 K	21,000 lm	≥80	120°	140 lm/W	1.9 kg	Ø320×126×78 mm
HBV2-200-4K-120BL	200 W	4,000 K	28,000 lm	≥80	120°	140 lm/W	2.6 kg	Ø360×128×80 mm

\*after meeting the specific warranty conditions

UM-HB-M10



NEW PRODUCT

UM-HBP3



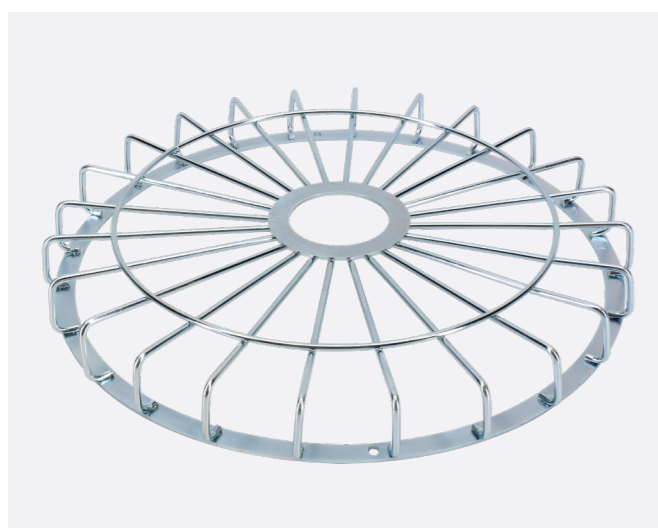
UM-HBU3



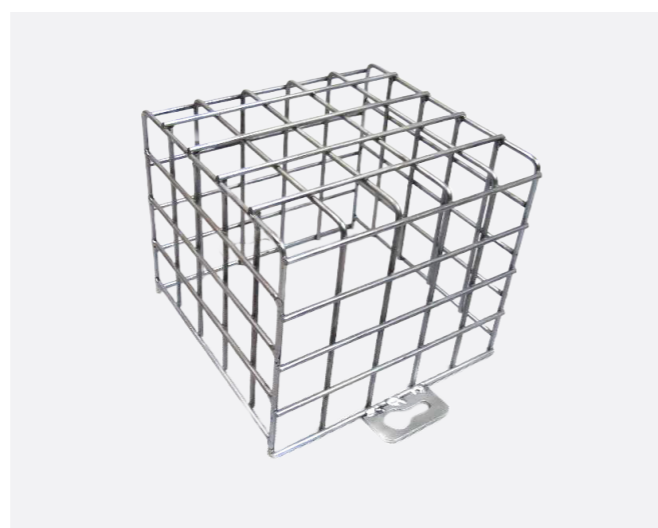
UM-HBV2



SSNET



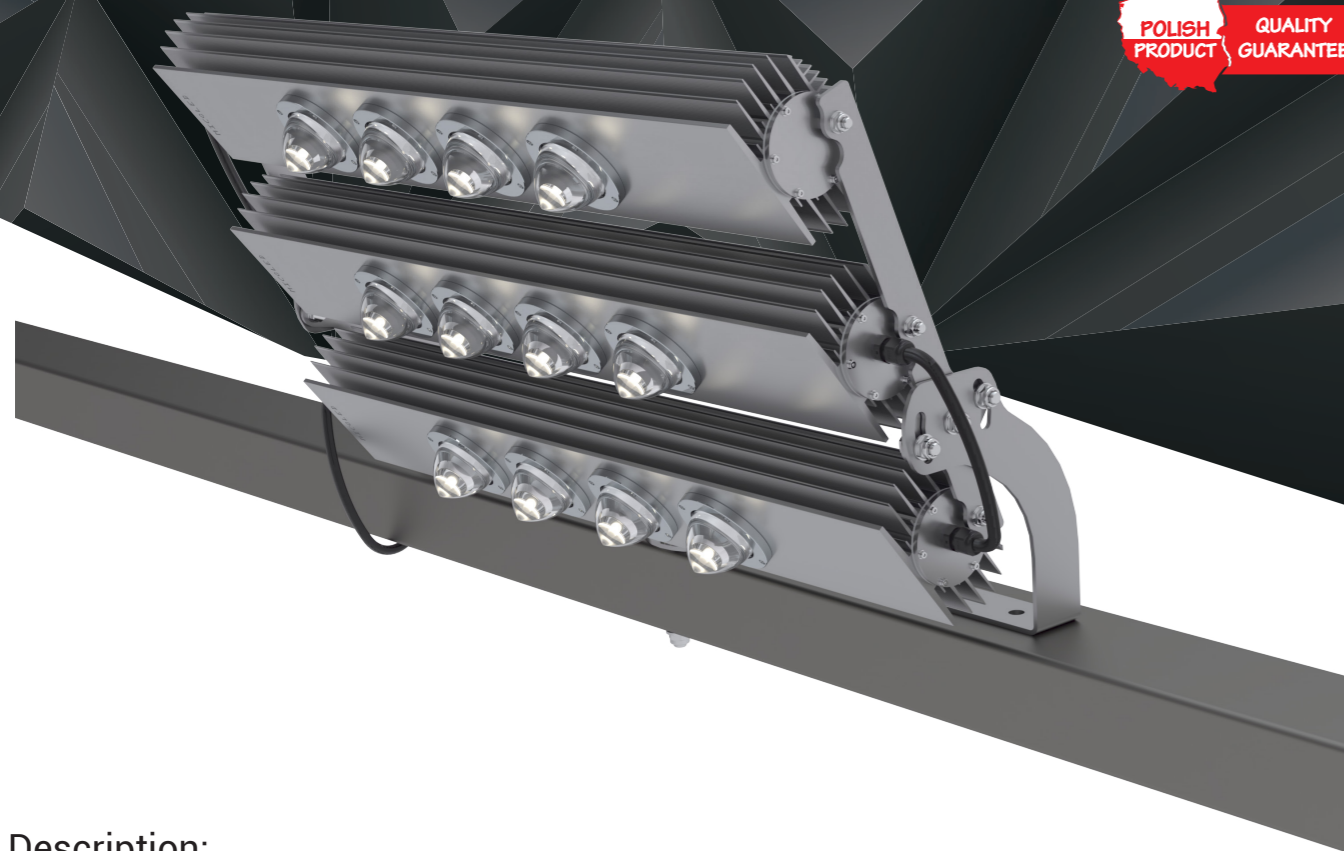
Protective grille – individual design for each luminaire model



Compatibility of luminaires with assembly kits

Code Index	Compatible luminaires	Description
UM-HB-M10	HBP3, HBU2, HBV2, HBG	versatile mounting bracket with M10 hole
UM-HBP3-100	HBP3-100	mounting bracket for HBP3 luminaire 100 W
UM-HBP3-150	HBP3-150	mounting bracket for HBP3 luminaire 150 W
UM-HBP3-200	HBP3-200	mounting bracket for HBP3 luminaire 200 W
UM-HBP3-240	HBP3-240	mounting bracket for HBP3 luminaire 240 W
UM-HBU3-150	HBU3-150	mounting bracket for HBU3 luminaire 150 W
UM-HBU3-200	HBU3-200	mounting bracket for HBU3 luminaire 200 W
UM-HBV2-100	HBV2-100	mounting bracket for HBV2 luminaire 100 W
UM-HBV2-200	HBV2-200	mounting bracket for HBV2 luminaire 200 W
SSNET-100	HBU3, HBV2	protective grille for highbay led HBU3/HBV2 100 W
SSNET-150	HBU3, HBV2	protective grille for highbay led HBU3/HBV2 150 W
SSNET-200	HBU3, HBV2	protective grille for highbay led HBU3/HBV2 200 W

# STADIUM LUMINAIRE STD SPORT



## Description:

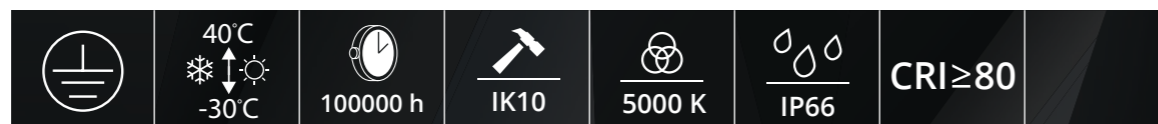
Professional **STD SPORT** fixtures are designed for lighting of sports fields. Highly efficient **SAMSUNG diodes** with operation time of up to **100,000 h** and a wide range of light distribution angles guarantees correct and energy-efficient lighting of the whole area.

The fixtures are available within a power range of 135-915 W and can be combined as a module on a dedicated head in the number of up to 15 pieces. High watertightness parameters – **IP66**, and high impact resistance – **IK10**, make them safe for both indoor and outdoor use.

The fixtures can be ordered for individual projects.

## Use:

- sports fields, stadiums
- sports halls
- industrial areas

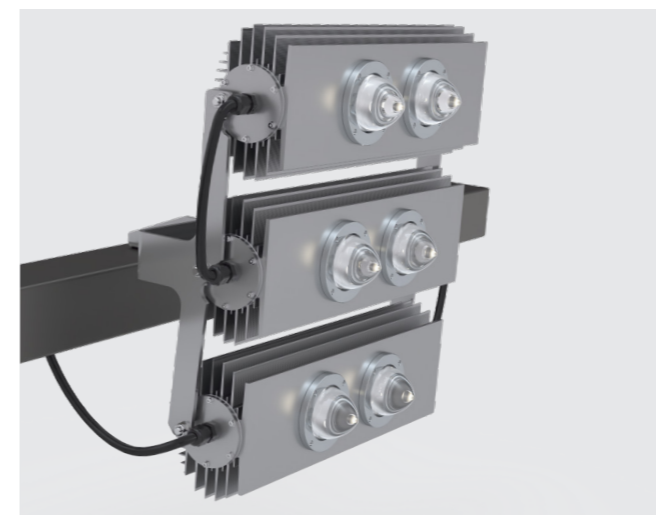


\*after meeting the specific warranty conditions



6x COB version

Anodized aluminium and tempered glass



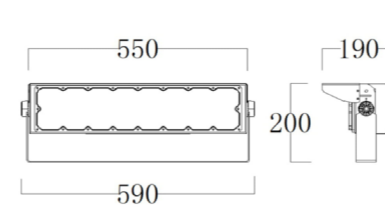
Code Index	Power	Light source <sup>2</sup>	Colour temperature <sup>2</sup>	Luminous flux	Luminous efficacy	Weight	Dimensions
STD-S2-135-5K	135 W	2 x COB LED	5,000 K	20,530 lm	152 lm/W	8.4 kg	630×150×90 mm
STD-S2-170-5K	170 W	4 x COB LED	5,000 K	27,362 lm	161 lm/W	11.0 kg	830×150×90 mm
STD-S2-205-5K	205 W	4 x COB LED	5,000 K	32,323 lm	157 lm/W	12.0 kg	830×150×90 mm
STD-S2-235-5K	235 W	4 x COB LED	5,000 K	36,433 lm	155 lm/W	12.3 kg	830×150×90 mm
STD-S2-305-5K	305 W	4 x COB LED	5,000 K	45,530 lm	149 lm/W	11.0 kg	830×150×90 mm
STD-S2-405-5K	405 W	6 x COB LED	5,000 K	61,590 lm	152 lm/W	20.5 kg	550×450×90 mm
STD-S2-510-5K	510 W	6 x COB LED	5,000 K	82,086 lm	146 lm/W	25.0 kg	650×550×90 mm
STD-S2-705-5K	705 W	12 x COB LED	5,000 K	109,299 lm	155 lm/W	28.3 kg	650×550×90 mm
STD-S2-915-5K	915 W	12 x COB LED	5,000 K	136,590 lm	149 lm/W	33.6 kg	830×550×90 mm

# LED FLOODLIGHT STD STADIUM

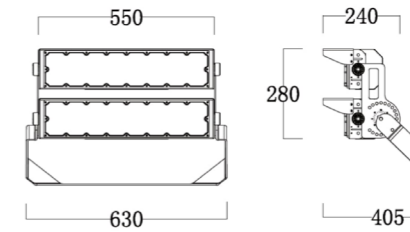


## Dimensions

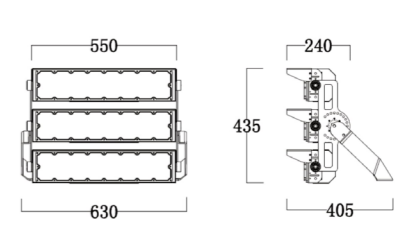
240 W



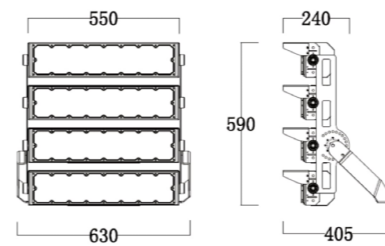
480 W



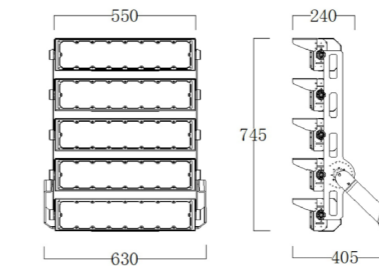
720 W



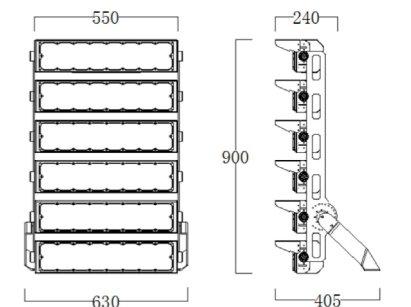
960 W



1,200 W



1,440 W



## Description:

**STD 'STADIUM'** – professional floodlight with integrated LED light source for sports applications. The luminaire has a high degree of protection – **IP66**. The luminaire is made of heat- and impact-resistant aluminium. Additional heatsink ribs ensure very efficient heat dissipation.

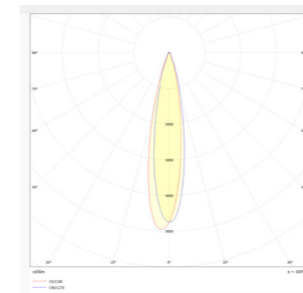
The design allows the angle of illumination of the individual modules to be adjusted, which is particularly important for ensuring proper lighting of sports surfaces and for simplifying installation.

## Use:

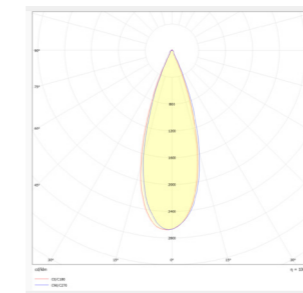
- sports fields, stadiums
- sports halls
- tennis courts
- industrial areas
- car parks
- airports
- docks

## Beam angle

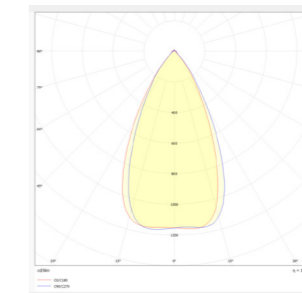
20°



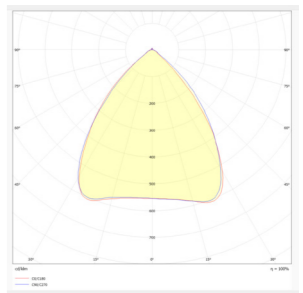
40°



60°



90°



Code Index	Power	Beam angle*	Colour temperature	Luminous flux	Luminous efficacy	Weight	Dimensions
STD-240	240 W	60°	5,000 K	38,400 lm	160 lm/W	6.0 kg	550×590×190×200 mm
STD-480	480 W	60°	5,000 K	76,800 lm	160 lm/W	16.5 kg	550×630×240×280 mm
STD-720	720 W	60°	5,000 K	115,200 lm	160 lm/W	23.0 kg	550×630×240×435 mm
STD-960	960 W	60°	5,000 K	153,600 lm	160 lm/W	30.0 kg	550×630×240×590 mm
STD-1200	1,200 W	60°	5,000 K	192,000 lm	160 lm/W	37.0 kg	550×630×240×745 mm
STD-1440	1,440 W	60°	5,000 K	230,400 lm	160 lm/W	44.0 kg	550×630×240×900 mm

\* optional beam angles: 20°, 40°, 90°

\*after meeting the specific warranty conditions

# HIGH BAY FIXTURE HBM 'MASTER'



## Description:

'MASTER' is a line of modern industrial fixtures made of superior-quality components. Two lines are available: **STANDARD** and **PROFESSIONAL** for the most demanding clients.

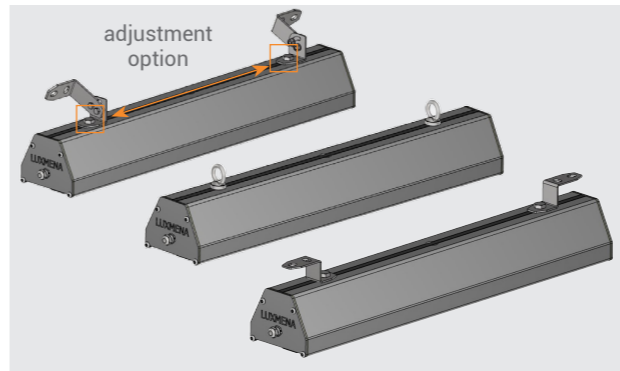
The housing is made of **anodized aluminium** as a monobloc construction with excellent heat dissipation properties. **TRIDONIC** power supply with highly efficient **OSRAM** diodes provides it with a luminous efficacy of **180 lm/W** (**PROFESSIONAL** version) which makes it significantly more energy efficient. **HBM MASTER** is manufactured with several power variants, which makes it an excellent solution for lighting of both high storage warehouses and lower rooms. Additionally, **IP65** watertightness allows for using the luminaire outdoors to illuminate car parks, squares, sports fields.

A wide range of lenses guarantees even lighting and proper light distribution, while the wide range of dedicated installation kits facilitates luminaire installation even in the most demanding conditions. Additionally, thanks to the possibility to install a **DALI** power supply, the fixture can be controlled.

## Use:

- high storage warehouses
- industrial facilities
- production halls
- circulation areas
- sports halls
- community sports fields

## Optional mounting brackets



## High quality OSRAM LED diodes



Code Index	Power	Number of LED modules	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle*	Luminous efficacy
HBM-S2A-046B-840B-C00-9090	46 W	2	7,600 lm	>0.95	≥80	90°	165 lm/W
HBM-S3A-069B-840B-C00-9090	69 W	3	11,400 lm	>0.95	≥80	90°	165 lm/W
HBM-S4A-092B-840B-C00-9090	92 W	4	15,200 lm	>0.95	≥80	90°	165 lm/W
HBM-S6A-138B-840B-C00-9090	138 W	6	22,800 lm	>0.95	≥80	90°	165 lm/W
HBM-S8A-184B-840B-C00-9090	184 W	8	30,400 lm	>0.95	≥80	90°	165 lm/W
HBM-P2A-060B-840B-C00-9090	60 W	2	10,700 lm	>0.95	≥80	90°	180 lm/W
HBM-P3A-090B-840B-C00-9090	90 W	3	16,050 lm	>0.95	≥80	90°	180 lm/W
HBM-S4A-117B-840B-C00-9090	117 W	4	19,305 lm	>0.95	≥80	90°	165 lm/W
HBM-P4A-120B-840B-C00-9090	120 W	4	21,400 lm	>0.95	≥80	90°	180 lm/W
HBM-P6A-180B-840B-C00-9090	180 W	6	32,050 lm	>0.95	≥80	90°	180 lm/W
HBM-P8A-240B-840B-C00-9090	240 W	8	42,750 lm	>0.95	≥80	90°	180 lm/W

\*90° – standard beam angle; 15°, 60°, 120°, 30°x70° – customised version

\*after meeting the specific warranty conditions

powered by **TRIDONIC**

- 55°C / -20°C
- 70 000h
- IK10
- 4000K
- IP65
- CRI≥80

## Installation methods

Parallel (HBM-UMR2-9005A HBM-UMR3-9005A)	Suspended systems (HBM-ZMZ-U)	Surface installation (HBM-ZMN-9005A)	Tilted (HBM-ZMO-9005)

## Simple luminaire connection



## Tridonic power supply

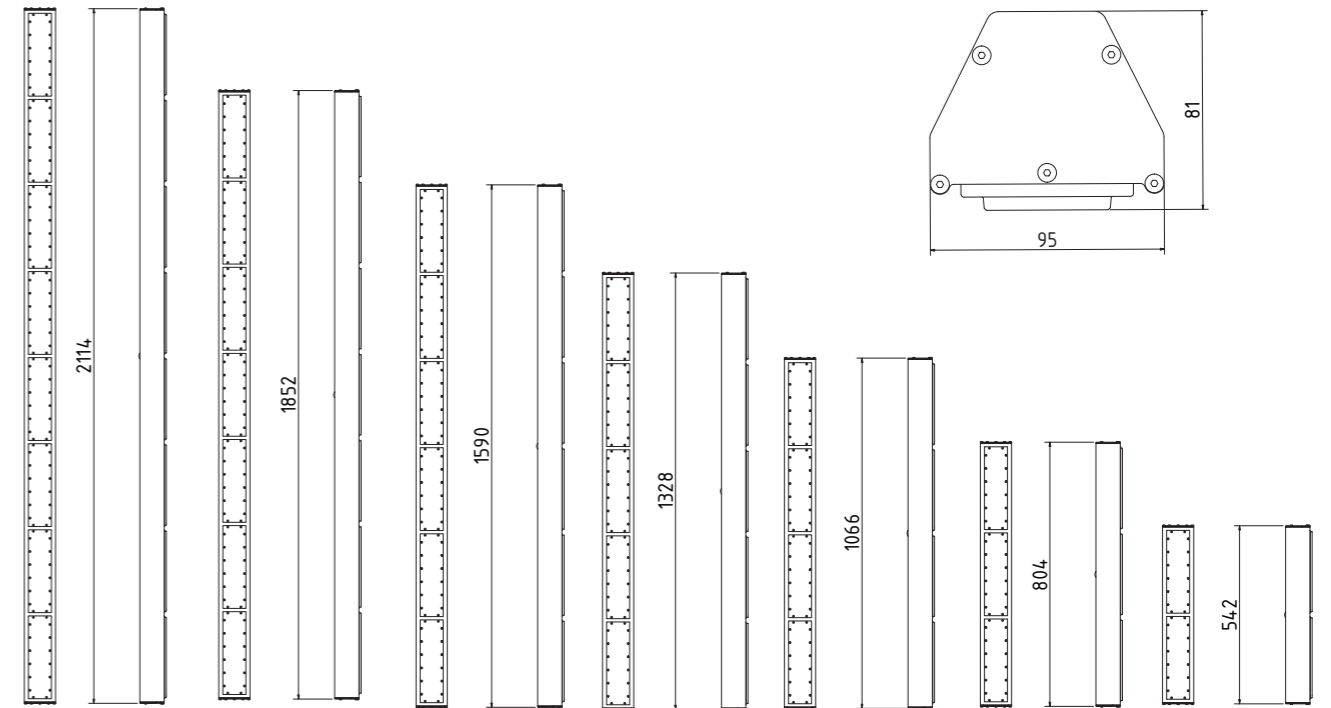


## A wide selection of lenses

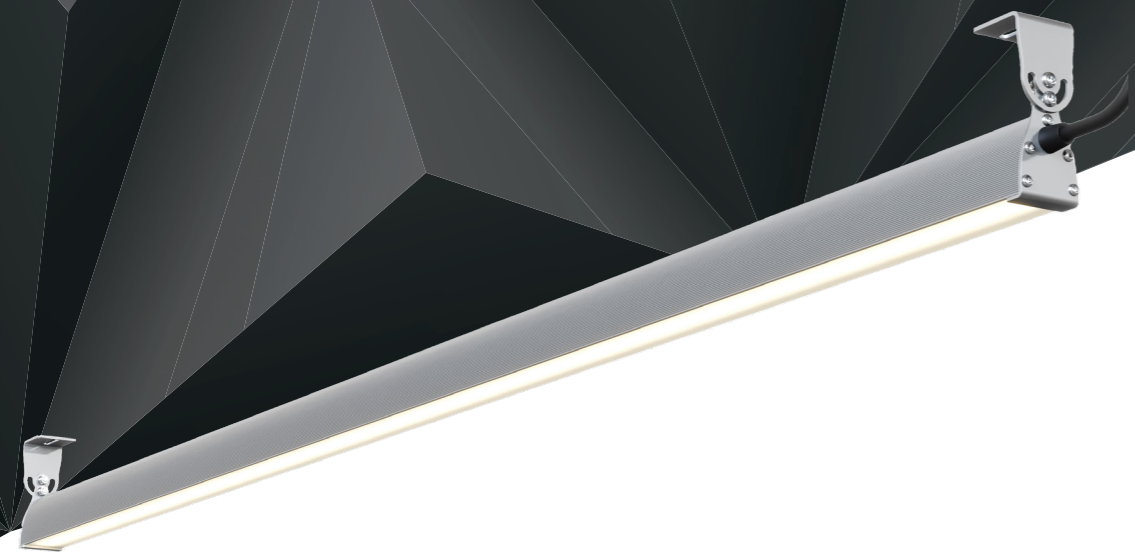
90° – standard  
15°, 60°, 120°, 30°x70°



## Dimensions



# FIXTURE HLO 'COBRA'



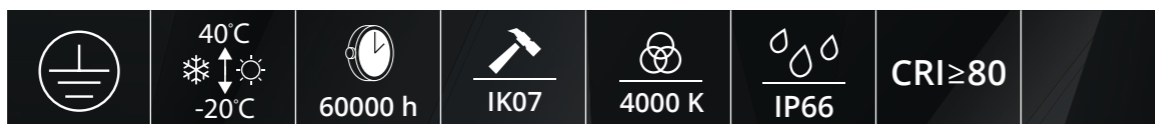
## Description:

**COBRA** is a Polish product with excellent technical parameters, designed on a **slim profile**. Special construction of the housing made of **anodized aluminium** efficiently dissipates heat without overheating the power supply or the subassemblies with LED diodes, which translates into a longer service life of the product. The fixture is distinguished by its excellent parameters, such as: luminous efficacy of up to **180 lm/W**, IP65 watertightness, DALI control option, Samsung diodes with a service life of up to **60,000 h**.

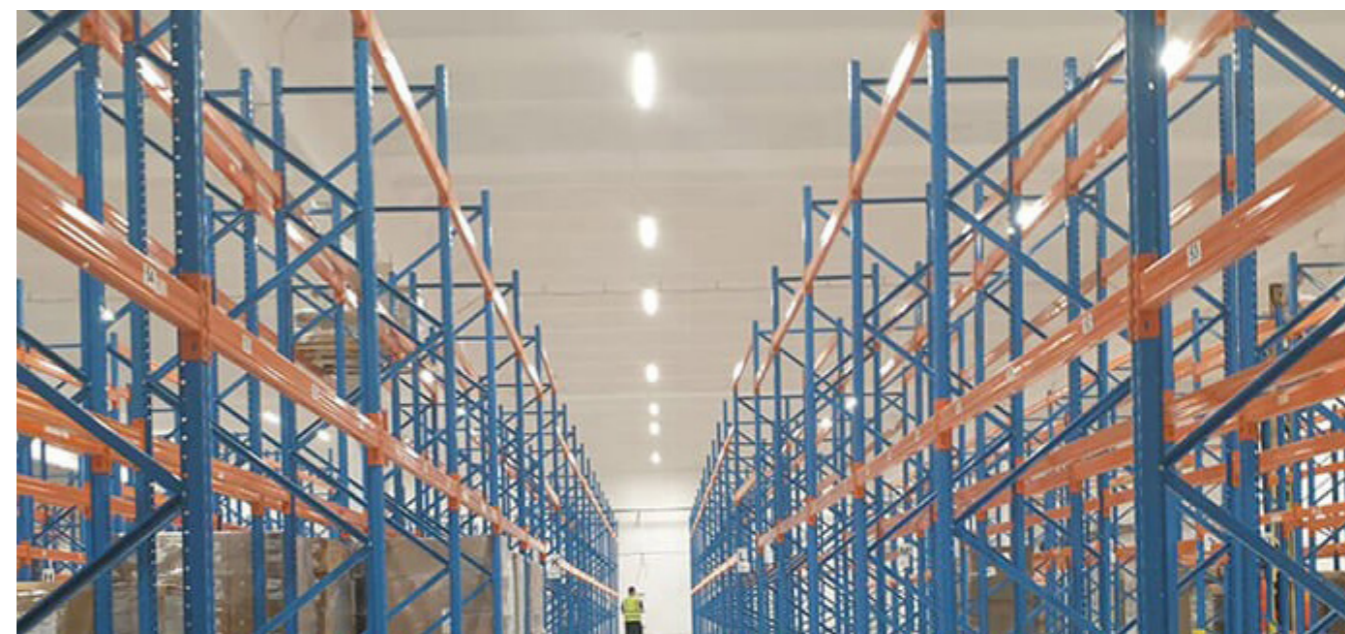
**COBRA** is available in a length range of 60–600 cm and a power range of **18–65 W**, with a **1 m cord**. The brackets allow for installation in suspended systems or surface installation with angle adjustment option. There is also an option to make a double version of the fixture with a power of 480 W. Light distribution adjustment and the choice of a proper cover allow for using the fixture in areas with difficult environmental conditions, e.g. poultry houses or mushroom farms.

## Use:

- commercial facilities
- high storage warehouses
- food industry
- animal farms



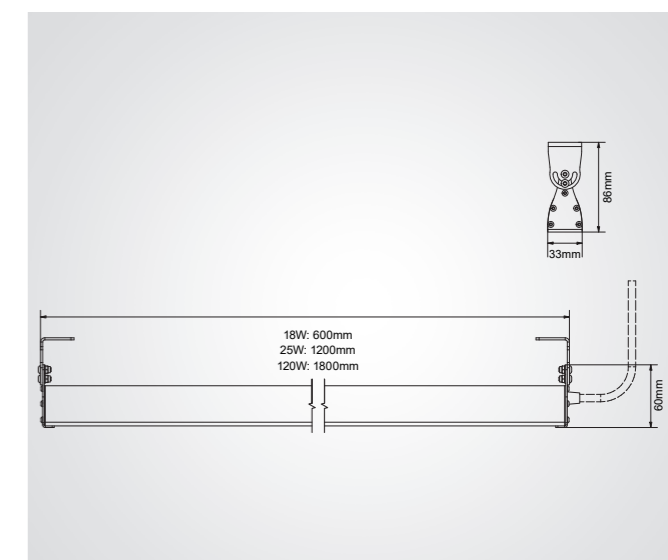
\*after meeting the specific warranty conditions



## Adjustable installation bracket



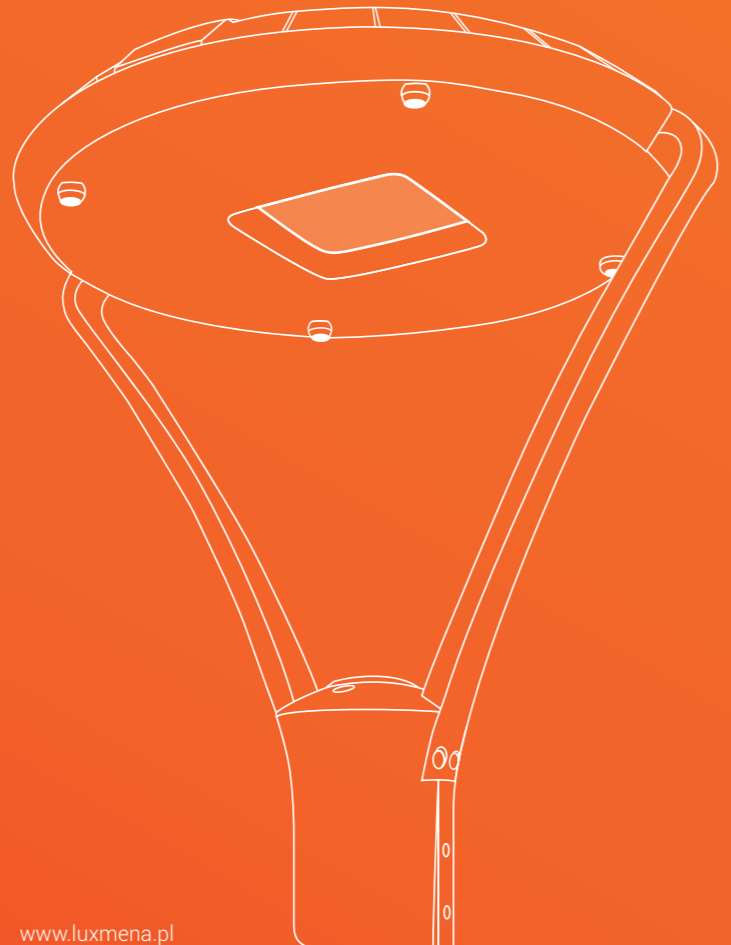
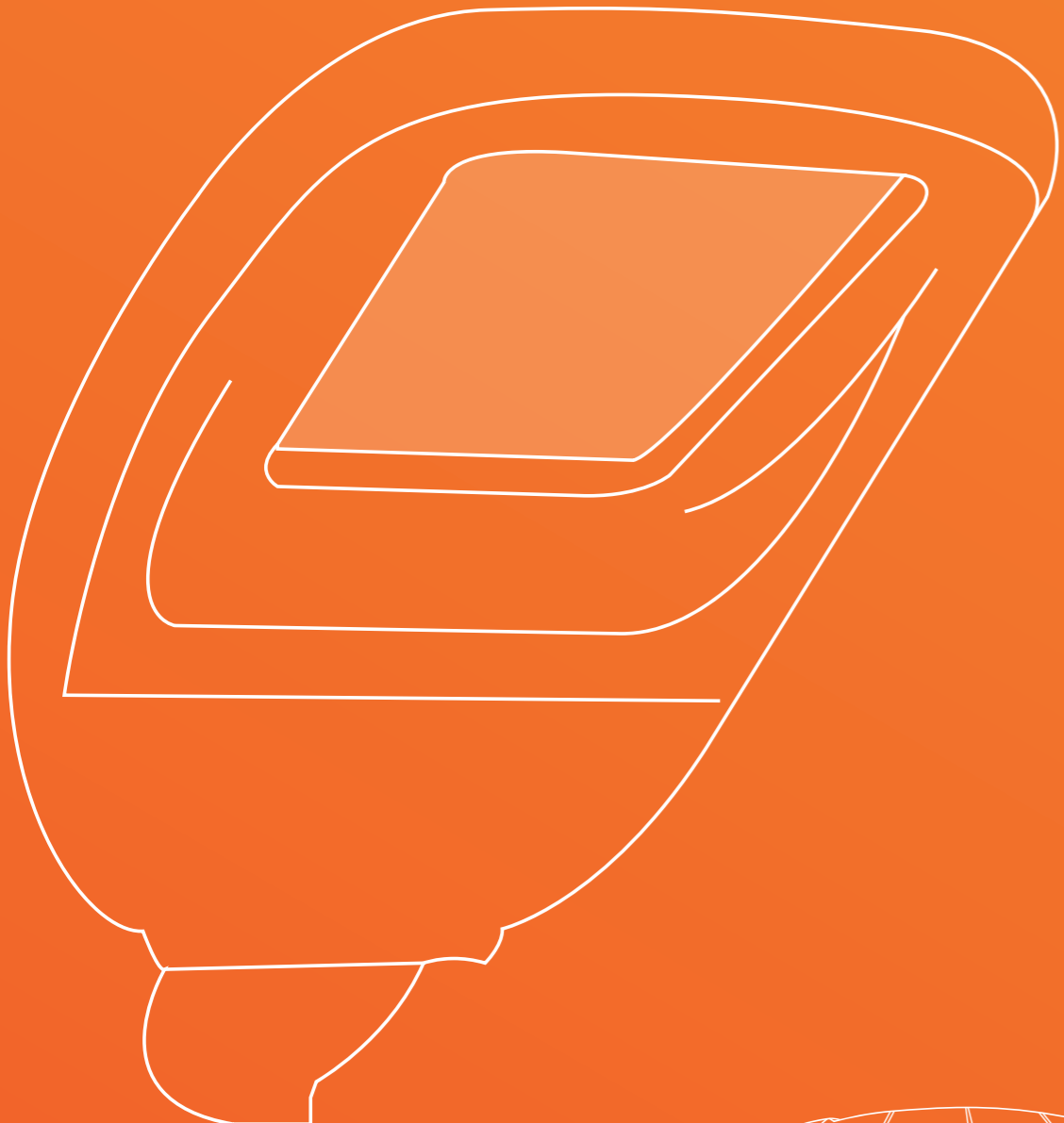
## Technical drawing



Code Index	Power*	Colour temperature	Luminous flux	Light source	Luminous efficacy	Weight	Dimensions
HLO-18W	18 W	4,000 K	3,547 lm	144 SMD LED	174 lm/W	0.7 kg	600×33×39 mm
HLO-25W	25 W	4,000 K	4,880 lm	144 SMD LED	176 lm/W	0.7 kg	600×33×39 mm
HLO-35W	35 W	4,000 K	6,618 lm	144 SMD LED	171 lm/W	0.7 kg	600×33×39 mm
HLO-50W	50 W	4,000 K	9,860 lm	288 SMD LED	178 lm/W	0.9 kg	1,200×33×39 mm
HLO-65W	65 W	4,000 K	12,545 lm	288 SMD LED	174 lm/W	0.9 kg	1,200×33×39 mm
HLO-80W	80 W	4,000 K	15,080 lm	288 SMD LED	170 lm/W	0.9 kg	1,200×33×39 mm
HLO-120W	120 W	4,000 K	21,600 lm	432 SMD LED	160 lm/W	1.4 kg	1,800×33×39 mm

\* 25 W, 65 W standard versions

\*\* optional beam angles: 30×120°, 90×90°, 110×130°



OUTDOOR  
LUMINAIRES

# FIXTURE LFC 'CAMPUS'



LFC-100DG



LFC-060DG



LFC-030DG

## Description:

High-quality LFC 'CAMPUS' sports floodlight designed for lighting outdoor sports facilities such as community sports fields, but also sports halls and outdoor industrial areas. **New versions with increased luminous efficacy of up to 170 lm/W!**

Made of superior-quality components: Lumiled diodes and INVENTRONIC Power supply system with a range of protection measures (short circuit protection, overload protection, power surge protection up to 10 kV). There is an option of installing a 1-10V control system.\*\*

The fixture comes with a 60 cm power supply cord and replaceable lenses with a standard beam angle: 90°x90°. There is an option to order a fixture equipped with lenses with a different beam angle.

## Use:

- sports facilities, community sports fields
- sports halls
- logistic facilities
- outdoor industrial areas



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## Reliable Inventronics power supply

## LEDs with 90°x90° lenses\*



Code Index	Power	Colour temperature	Luminous flux	Power factor	Beam angle*	Luminous efficacy	Weight	Dimensions
LFC-030DG-4K-9090	30 W	4,000 K	5,100 lm	>0.9	90°	170 lm/W	1.5 kg	270×230×50 mm
LFC-060DG-3K-9090	60 W	3,000 K	8,400 lm	>0.9	90°	140 lm/W	2.2 kg	320×224×50 mm
LFC-060DG-4K-9090	60 W	4,000 K	10,200 lm	>0.9	90°	170 lm/W	2.2 kg	320×224×50 mm
LFC-100DG-3K-9090	100 W	3,000 K	15,000 lm	>0.9	90°	150 lm/W	4.2 kg	421×291×62 mm
LFC-100DG-4K-9090	100 W	4,000 K	17,000 lm	>0.9	90°	170 lm/W	4.2 kg	421×291×62 mm

\*optional beam angles: 30°x30°, 60°x60°, 80°x150°, 155°x75°, 155°x95°

# FIXTURE LFC 'CAMPUS'



## Description:

High-quality LFC 'CAMPUS' sports floodlight designed for lighting outdoor sports facilities such as community sports fields, but also sports halls and outdoor industrial areas. **New versions with increased luminous efficacy of up to 170 lm/W!**

Made of superior-quality components: **Lumiled diodes** and **INVENTRONIC Spower** supply system with a range of protection measures (short circuit protection, overload protection, power surge protection up to 10 kV). There is an option of installing a **1-10V** control system.\*\*

The fixture comes with a **60 cm** power supply cord and replaceable lenses with a standard beam angle: **90x90°**. There is an option to order a fixture equipped with lenses with a different beam angle.

## Use:

- sports facilities, community sports fields
- sports halls
- logistic facilities
- outdoor industrial areas



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## Reliable Inventronics power supply



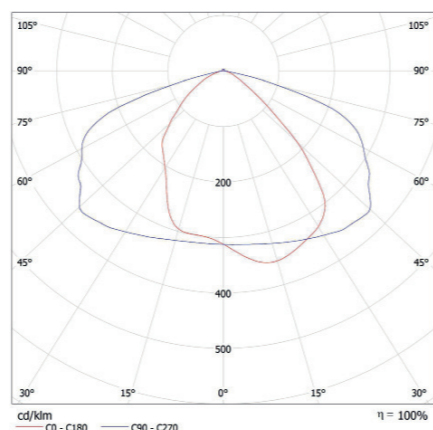
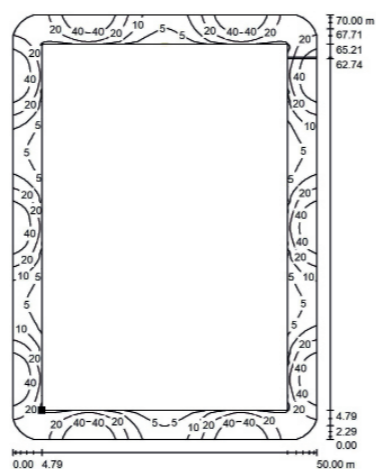
## LEDs with 90x90° lenses\*



Code Index	Power	Colour temperature	Luminous flux	Power factor	Beam angle*	Luminous efficacy	Weight	Dimensions
LFC-150DG-3K-9090	150 W	3,000 K	22,500 lm	>0.9	90°	150 lm/W	4.2 kg	421x291x62 mm
LFC-150DG-4K-9090	150 W	4,000 K	25,500 lm	>0.9	90°	166 lm/W	4.2 kg	421x291x62 mm
LFC-200DG-3K-9090	200 W	3,000 K	30,000 lm	>0.9	90°	150 lm/W	6.7 kg	520x342x65 mm
LFC-200DG-4K-9090	200 W	4,000 K	34,000 lm	>0.9	90°	170 lm/W	6.7 kg	520x342x65 mm
LFC-250DG-3K-9090	250 W	3,000 K	37,500 lm	>0.9	90°	150 lm/W	6.7 kg	520x342x65 mm
LFC-250DG-4K-9090	250 W	4,000 K	42,500 lm	>0.9	90°	170 lm/W	6.7 kg	520x342x65 mm

\*90° – standard, optional beam angles: 30x30°, 60x60°, 80x150°, 155x75°, 155x95°

# PARK LUMINAIRE PRK 'IBERIS'



## Description:

'IBERIS' park luminaire is a functional LED luminaire designed for outdoor areas.

The modern and elegant luminaire design perfectly blends with your park or garden. High IP66 watertightness level means that the fixture is resistant to water and dust. In the production of 'IBERIS' luminaires, we used superior-quality subassemblies: **Invertronics** power supplies and **PHILIPS LED diodes** which assure excellent lighting parameters and long, fault-free operation.

We recommend installing the luminaires on lamp extension arms or straight poles with a diameter of  $\varnothing 60-76$  mm.

## Use:

- parks, gardens
- bike routes
- residential streets

Path around a field: planned intensity: 20 lx; PRK-01A-060-4K

Illuminated area		Fixture installation	Results		Use of luminaire		
area 1,040 m <sup>2</sup>	operation area 0 m	on a pole 5 m	lighting intensity 23 lx	distribution 0.42	Amount 10	power 60 W	total power 600 W

**INVERTRONICS**  
DRIVING THE LIGHTING REVOLUTION

50°C  
-30°C

50 000h

IK08

3000K  
4000K

IP66

CRI ≥ 70

\*after meeting the specific warranty conditions



## PHILIPS LED diodes with lenses



## Reliable Invertronics power supply



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions
PRK-01A-040-3K	40 W	3,000 K	4,900 lm	>0.9	≥70	120°	123 lm/W	479×524×46 mm
PRK-01A-040-4K	40 W	4,000 K	5,100 lm	>0.9	≥70	120°	130 lm/W	479×524×46 mm
PRK-01A-060-3K	60 W	3,000 K	7,400 lm	>0.9	≥70	120°	123 lm/W	479×524×46 mm
PRK-01A-060-4K	60 W	4,000 K	7,700 lm	>0.9	≥70	120°	130 lm/W	479×524×46 mm

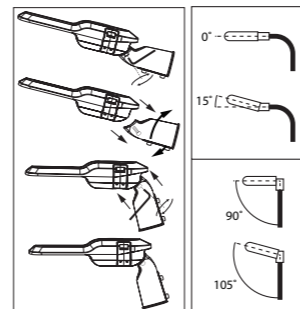
# STREET LUMINAIRE AVN 'AVENUE'



## Description:

The latest 'AVENUE' street luminaire is created with the development of LED technology in outdoor lighting in mind. This product is ideal both for retrofitting current lighting installations and for new projects. The luminaires are characterised by their high service life (L90B10 100,000 h), tightness class (IP66) and versatility (the luminaire can be adapted to any project).

adjustment option  
tilt angle:



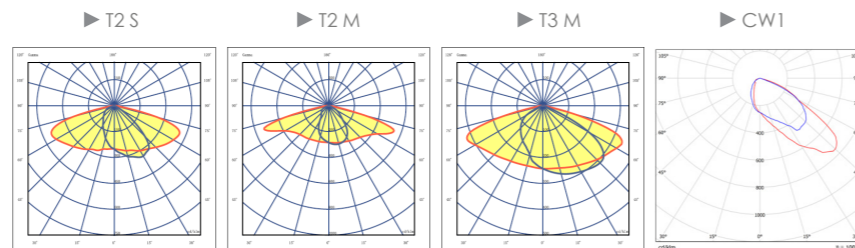
Special optics for pedestrian crossings available as an option.

Superior-quality subassemblies were used in the production process: SOSEN or Inventronics insulated power supplies and LUMILEDS LEDs ensure excellent light performance and long, trouble-free operation. The luminaire is equipped with a pressure equalisation vent and a safe, scissor-type power disconnect.

The luminous efficacy is **up to 185 lm/W**. An adjustable installation bracket helps to place the luminaire precisely in the desired spot. Recommended installation on  $\varnothing 48-60$  mm diameter poles.

## Use:

- trunk, county and municipal roads,
- bike routes,
- shared zones and pavements,
- car parks,
- outdoor industrial areas,
- housing estates.



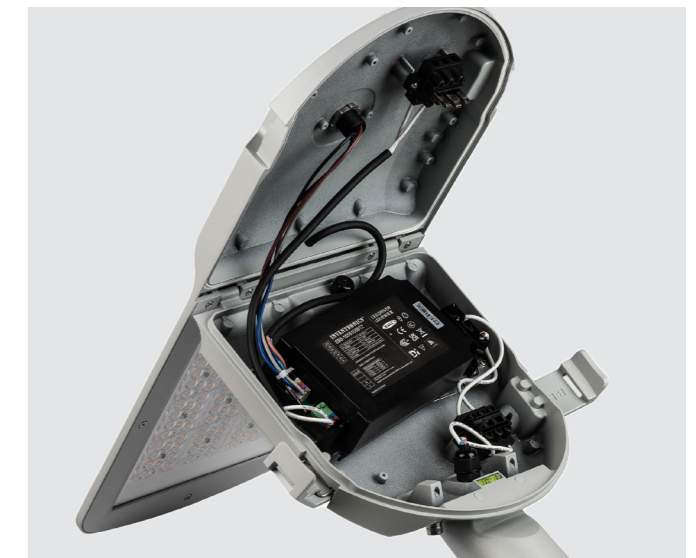
\*possibility of extending warranty conditions



## ZHAGA socket



## Tool-free access to the interior of the luminaire



Code Index	Power	Colour temperature	Power factor	Beam angle*	Housing dimension
AVN-030B0	15-30 W		>0.95	150°x78°	493x174x108 mm
AVN-050B0	25-50 W		>0.95	150°x78°	493x174x108 mm
AVN-080B0	40-80 W		>0.95	150°x78°	562x200x108 mm
AVN-100B0	50-100 W		>0.95	150°x78°	607x240x108 mm
AVN-150B0	75-150 W		>0.95	150°x78°	680x260x108 mm
AVN-200B0	100-200 W	2,700 K / 4,000 K / 5,000 K / 6,500 K	>0.95	150°x78°	680x260x108 mm
AVN-250B0	125-250 W		>0.95	150°x78°	776x300x108 mm
AVN-025Z1	14-28 W		>0.95	150°x78°	493x174x108 mm
AVN-040Z1	22-44 W		>0.95	150°x78°	493x174x181 mm
AVN-060Z1	40-80 W		>0.95	150°x78°	562x200x181 mm
AVN-120Z1	60-120 W		>0.95	150°x78°	607x240x181 mm
AVN-165Z1	85-170 W		>0.95	150°x78°	680x260x181 mm

# STREET LUMINAIRE JAG2 'JAGER'



## Description:

JAG2 'JAGER' is a new street luminaire with an increased efficiency. It is distinguished by a modern look and the high quality of its components. **Adjustable installation bracket** helps to place the lamp precisely in the desired spot.

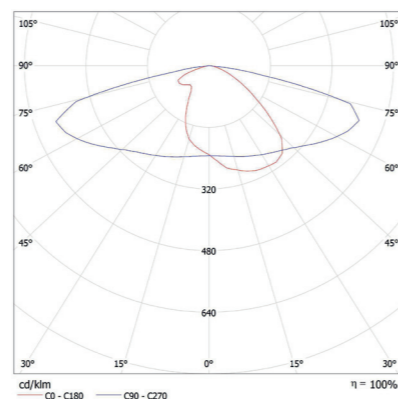
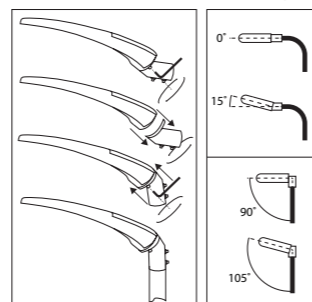
Superior-quality subassemblies were used in the production process. Isolated **SOSEN 1-10V** insulated power supply and **light sources with an increased efficiency**, ensuring excellent light performance and long, trouble-free operation.

Luminous efficacy of the luminaires amounts to **up to 170 lm/W**. We recommend to install them on lamp extension arms or straight poles with a diameter of **Ø60 mm**.

## Use:

- streets, inner roads
- parks, gardens
- warehouses

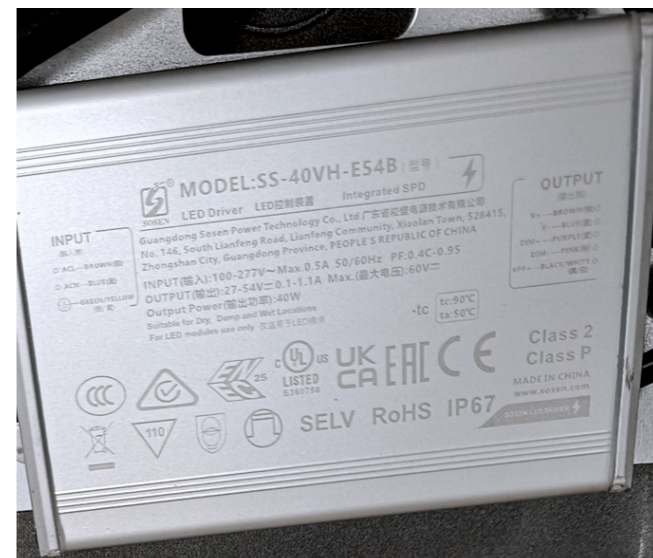
adjustment option  
tilt angle:



	50°C -40°C		50 000h		IK08		4000K		IP66		CRI ≥ 70
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\*after meeting the specific warranty conditions

## Isolated power supply



## Installation on Ø60 poles



Code Index	Power	Colour temperature	Luminous flux	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
JAG2-030DG-4K	30 W	4,000 K	4,800 lm	≥70	154°×80°	160 lm/W	2.4 kg	513×180×85 mm
JAG2-050DG-4K	50 W	4,000 K	8,100 lm	≥70	154°×80°	162 lm/W	2.4 kg	513×180×85 mm
JAG2-070DG-4K	70 W	4,000 K	11,900 lm	≥70	154°×80°	170 lm/W	3.2 kg	613×206×85 mm
JAG2-100DG-4K	100 W	4,000 K	17,000 lm	≥70	154°×80°	170 lm/W	3.2 kg	613×206×85 mm

# STREET LUMINAIRE JAZ 'JAZMIN'



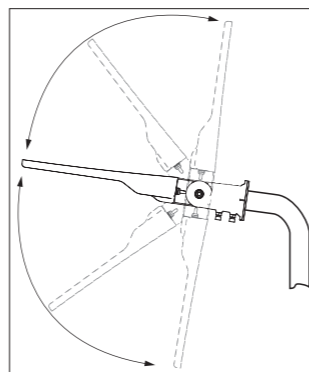
## Description:

**JAZ 'JAZMIN'** is a new street luminaire with increased luminous efficacy up to **135 lm/W**. It is characterised by modern design and the high quality of elements used in its production. The adjustable mounting bracket allows precise positioning of the luminaire on site. It includes asymmetrical street optics, which are also suitable for car park lighting.

We recommended installation on **Ø50–60 mm diameter poles**. Additionally, there is the possibility of mounting the luminaire to the wall.

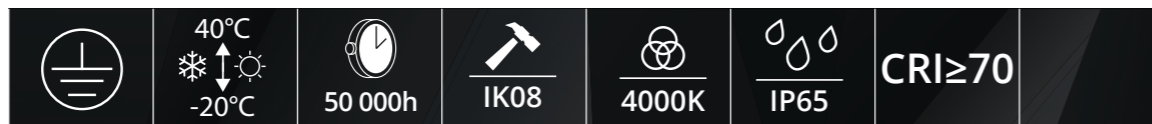
Models with the DS index have a built-in twilight sensor.

adjustment option  
tilt angle:



## Use:

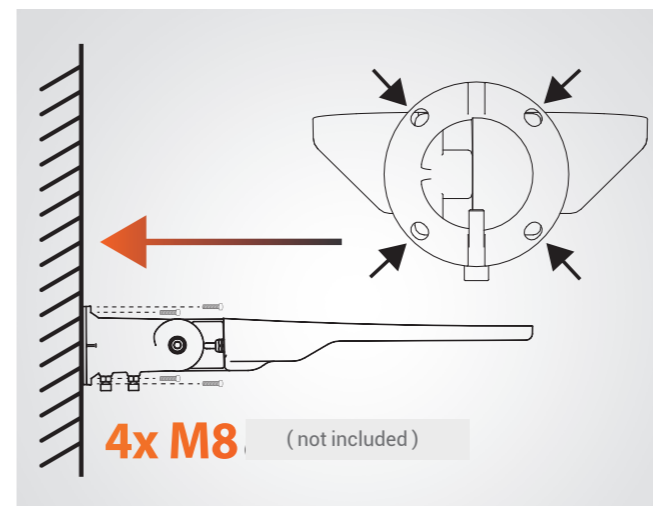
- provincial roads,
- county roads,
- urban roads,
- frontage roads,
- pavements,
- bike routes,
- car parks.



\*after meeting the specific warranty conditions



## Optional wall installation



## Installation on poles Ø50–Ø60

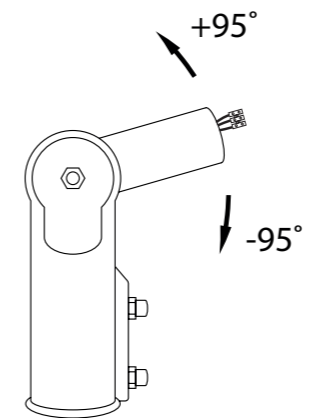


Code Index	Power	Colour temperature	Luminous flux	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
JAZ-030LG-4K	30 W	4,000 K	4,050 lm	≥70	140°×70°	135 lm/W	1.16 kg	416×138×105 mm
JAZ-050LG-4K	50 W	4,000 K	6,750 lm	≥70	140°×70°	135 lm/W	1.33 kg	470×149×105 mm
JAZ-070LG-4K	70 W	4,000 K	9,100 lm	≥70	140°×70°	130 lm/W	1.33 kg	470×149×105 mm
JAZ-100LG-4K	100 W	4,000 K	13,500 lm	≥70	140°×70°	135 lm/W	1.93 kg	567×179×105 mm
JAZ-150LG-4K	150 W	4,000 K	20,250 lm	≥70	140°×70°	135 lm/W	2.48 kg	633×203×105 mm
JAZ-050LG-4K-DS	50 W	4,000 K	6,750 lm	≥70	140°×70°	135 lm/W	1.34 kg	470×149×105 mm
JAZ-070LG-4K-DS	70 W	4,000 K	9,100 lm	≥70	140°×70°	130 lm/W	1.35 kg	470×149×105 mm
JAZ-100LG-4K-DS	100 W	4,000 K	13,500 lm	≥70	140°×70°	135 lm/W	1.99 kg	567×179×105 mm
JAZ-150LG-4K-DS	150 W	4,000 K	20,250 lm	≥70	140°×70°	135 lm/W	2.5 kg	633×203×105 mm

## Accessories for street and park lamps



## Adjustment angle



Code Index	Colour	Description
UOL-UR1	black	adjusted fixture bracket: LOP1-030 / JAS1-030 / JAS1-050 adapter for installation of Ø50 fixtures on Ø60 poles
UOL-UR2	black	adjusted fixture bracket for fixtures with a Ø60 bracket on Ø60 poles: LOP2
KUL1-5060-AD	black	adapter for installation of Ø50 fixtures on Ø60 poles: JAS1-030 / JAS1-050
KUL1-5060-AD-GR	grey	adapter for installation of Ø50 fixtures on Ø60 poles: JAS1-030 / JAS1-050

# FACADE LUMINAIRES EL1 'VALANT'



EL1-K-007GR



EL1-N-011GR



EL1-N-009GR



EL1-O-010GR



EL1-P-020GR



EL1-R-016GR

## Description:

'VALANT' is a line of hermetic luminaires with a built-in LED light source. The products are designed for installation on building exterior walls. Thanks to the option to connect the device with a motion sensor, the fixture might be turned on automatically when motion is detected to illuminate the path to the building.

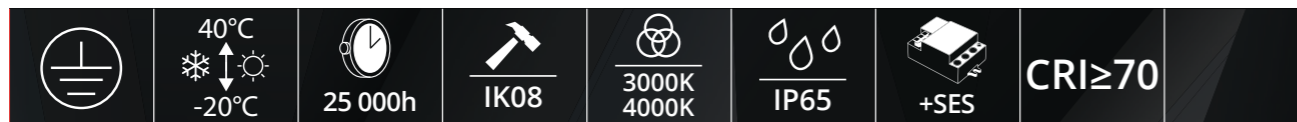
The housing is made of charcoal grey powder-coated aluminium and a milky plastic cover. EL1-N models are designed to illuminate house numbers, which is why they have a transparent cover.

EL1-R-016 model has efficient LED diodes with lenses.

Modern, compact look and elaborate workmanship make 'VALANT' an excellent choice for facade lighting.

## Use:

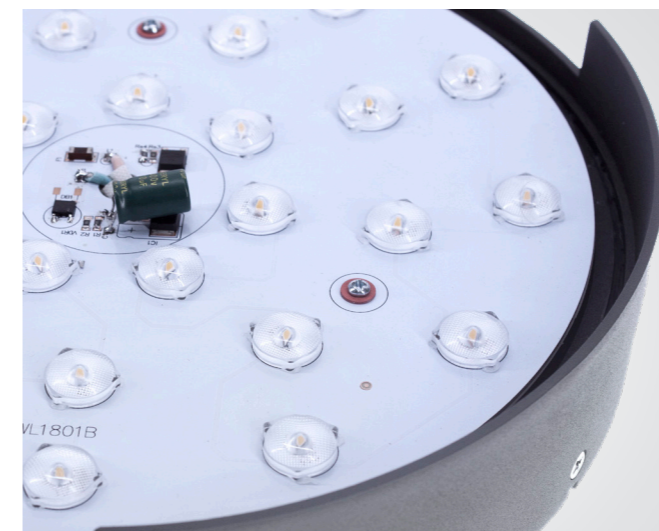
- house facades
- sheds, terraces, gazebos



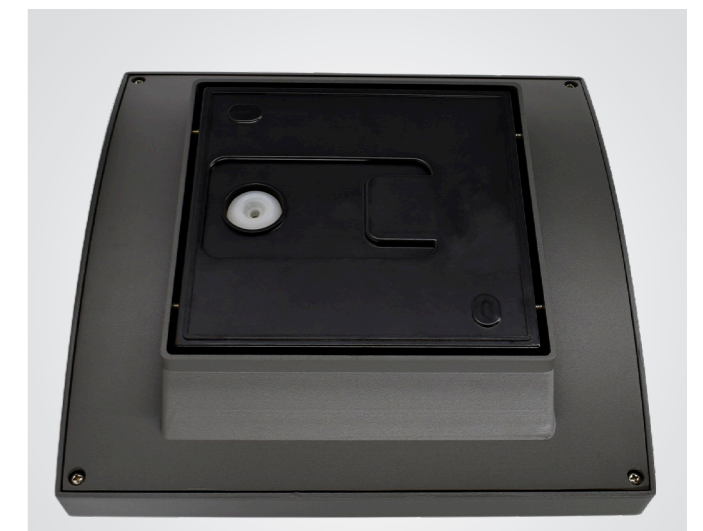
\*after meeting the specific warranty conditions



## Diodes with lenses (EL1-R-020GR)



## Elaborate workmanship



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
EL1-K-007GR	7 W	3,000 K 4,000 K	560 lm 600 lm	>0.9	≥70	100°	85 lm/W	0.55 kg	233×80×90 mm
EL1-O-010GR	10 W	3,000 K 4,000 K	800 lm 850 lm	>0.9	≥70	120°	85 lm/W	0.56 kg	Φ160×56 mm
EL1-N-009GR	9 W	3,000 K 4,000 K	650 lm 650 lm	>0.9	≥70	120°	72 lm/W	0.64 kg	180×120×110 mm
EL1-N-011GR	11 W	3,000 K 4,000 K	880 lm 940 lm	>0.9	≥70	120°	85 lm/W	0.64 kg	200×157×59 mm
EL1-N-013GR	13 W	3,000 K 4,000 K	1,040 lm 1,100 lm	>0.9	≥70	120°	85 lm/W	0.70 kg	180×120×110 mm
EL1-R-016GR	16 W	3,000 K 4,000 K	1,120 lm 1,180 lm	>0.5	≥70	120°	75 lm/W	1.17 kg	Φ250×62 mm
EL1-P-020GR	20 W	3,000 K 4,000 K	1,400 lm 1,470 lm	>0.9	≥70	120°	75 lm/W	1.38 kg	243×243×73 mm

# FACADE LUMINAIRES EL2 'VALIT'



EL2-R-010GR



EL2-S-010GR



EL2-O-010GR



EL2-Q-008GR

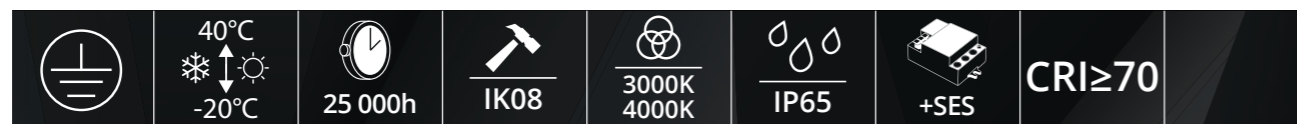
## Description:

'VALIT' facade luminaires with an **integrated LED light source** are hermetic fixtures designed for installation on building exterior walls. They are made of charcoal grey powder-coated aluminium and a milky plastic cover. The luminaires are distinguished by their high **IP65** watertightness and **IK08** mechanical resistance rating.

'VALIT' luminaires are modern and economic facade lighting. The luminaires are compliant with external motion sensors.

## Use:

- house facades
- sheds, terraces, gazebos



\*after meeting the specific warranty conditions



## Mounting crossbar



## Hermetic stuffing box



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
EL2-Q-008GR	8 W	3,000 K 4,000 K	640 lm 680 lm	>0.5	≥70	120°	85 lm/W	0.59 kg	151×50×151 mm
EL2-O-010GR	10 W	3,000 K 4,000 K	800 lm 850 lm	>0.9	≥70	120°	85 lm/W	0.59 kg	203×45×123 mm
EL2-R-010GR	10 W	3,000 K 4,000 K	800 lm 850 lm	>0.9	≥70	120°	85 lm/W	0.74 kg	∅200×45 mm
EL2-S-010GR	10 W	3,000 K 4,000 K	800 lm 850 lm	>0.9	≥70	120°	85 lm/W	0.85 kg	200×46×196 mm

\* EL2-K-2GU10-GR – No light source included

# FACADE LUMINAIRES EL2 'VALIT'



EL2-K-2GU10-GR



EL2-KR-205GR



EL2-KS-205GR

## Description:

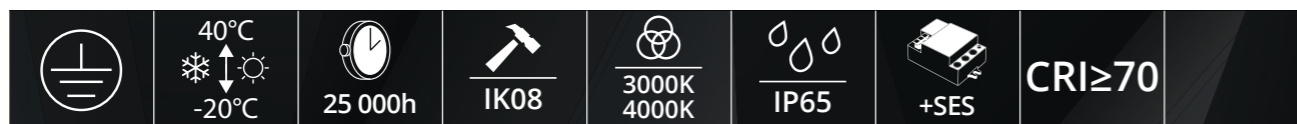
'VALIT' facade luminaires with an integrated LED light source and GU10 (EL2-K-2GU10-GR) light sources are hermetic fixtures designed for installation on building exterior walls. They are made of charcoal grey powder-coated aluminium. EL2-K-2GU10-GR version comes with a transparent milky cover. The luminaires are distinguished by their high IP65 watertightness and IK08 mechanical resistance rating.

New EL2-KS/KR models provide an option to adjust beam angle in the 'up and down' range thanks to the integrated moving covers. 'VALIT' luminaires are modern and economic facade lighting.

The luminaires are compliant with external motion sensors.

## Use:

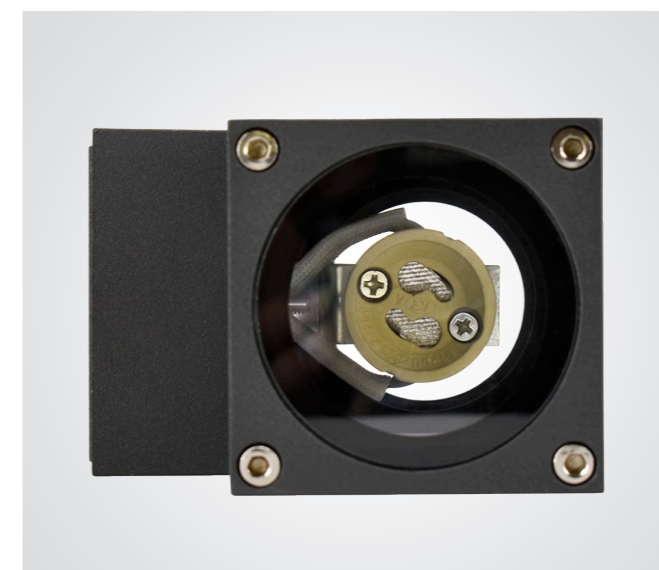
- house facades
- sheds, terraces, gazebos



\*after meeting the specific warranty conditions



## EL2-K-2GU – Two GU10 light sources\*



## Hermetic stuffing box



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Weight	Dimensions
EL2-K-2GU10-GR	max. 2x GU10 50 W	-	-	-	-	100°	-	0.54 kg	160×60×88 mm
EL2-KR-205GR	12 W	4,000 K	1,100 lm	>0.9	≥70	120°	91 lm/W	0.5 kg	100×110×130 mm
EL2-KS-205GR	12 W	4,000 K	1,100 lm	>0.9	≥70	120°	91 lm/W	0.5 kg	100×100×100 mm

\* EL2-K-2GU10-GR – No light source included

# FACADE LUMINAIRES EL3 'VALES'



## Description:

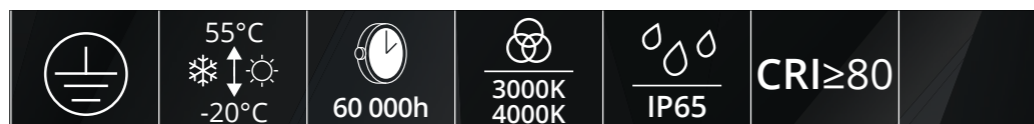
'VALES' facade luminaires with integrated LED light sources are available in 2 versions. 4.6 W square and 9.8 W rectangular versions in aluminium housing available in black and a line with 316L stainless steel front and aluminium housing with power of 11 W.

These fixtures are designed for lighting areas in front of buildings and paths along buildings. They are also excellent for lighting entrances to buildings and underground parking lots. Available in 3,000 K and 4,000 K colour temperature versions. Junction boxes included.

'VALES' fixtures have a high IP65 watertightness level and a 5-year warranty.

## Use:

- building facades
- stairs, underpasses
- corridors
- parking lot entrances
- terraces, gardens

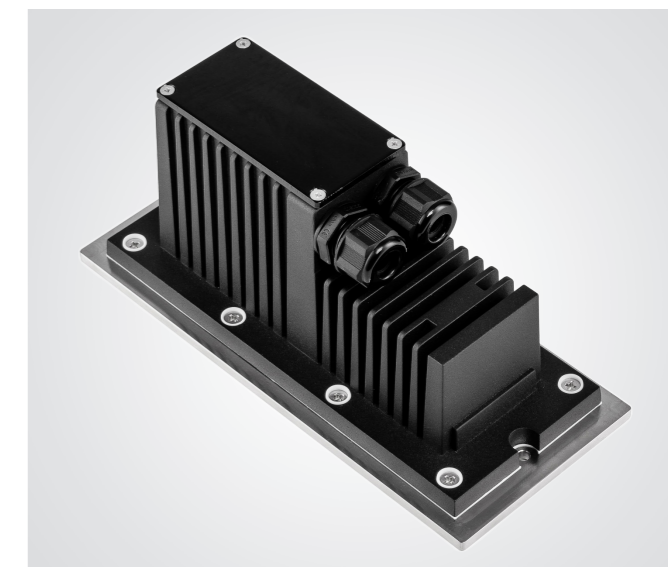


\*after meeting the specific warranty conditions

## Junction boxes for aluminium fixtures



## 316L stainless steel luminaire junction boxes



Code Index	Power	Colour temperature	Luminous flux	Power factor	Colour Rendering Index (CRI)	Beam angle	Luminous efficacy	Dimensions
EL3-S-005-BL	5 W	3,000 K 4,000 K	500 lm	>0.9	>80	100°	100 lm/W	95×95×68 mm
EL3-S-010-BL	10 W	3,000 K 4,000 K	1,000 lm	>0.9	>80	120°	100 lm/W	190×95×68 mm
EL3-S-011-316L	11 W	3,000 K 4,000 K	850 lm	>0.9	>80	120°	77 lm/W	210×91×93 mm

# IN-GROUND LUMINAIRE OGS / OGR 'DORYT'



## Description:

'DORYT' in-ground lamp is a premium product designed for ground installation. Designed for illuminating buildings and circulation areas.

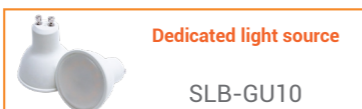
Thanks to its high IP67 weather resistance and IK10 mechanical resistance, it is dedicated for outdoor installations, and its maximum pressure load is 2,000 kg. Two cable glands allow for hassle-free connecting of the luminaires.

GU10 socket allows for choosing any kind of light to fulfil client expectations.

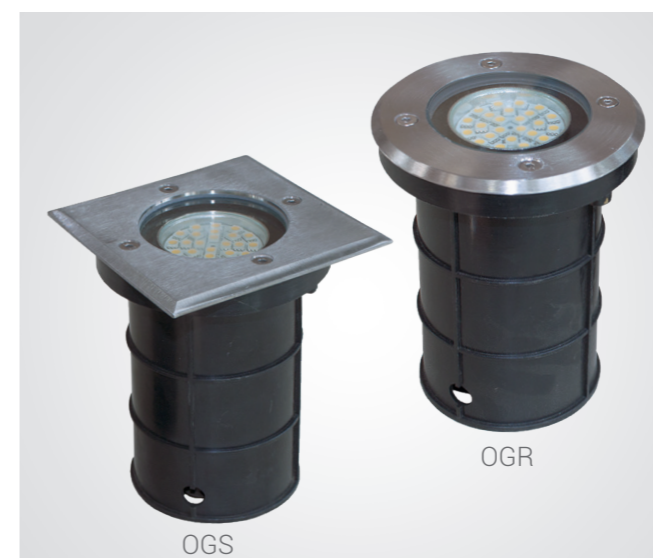
OGN50 version – a cover which redirects the beam to the surrounding area.

## Use:

- building illumination
- gardens
- park alleys, squares
- parking lots



## Square and round versions



## Version with cover – OGN



Code Index	Power	Light sources*	Beam angle	Strength	Weight	Dimensions
OGR 50	max. 50 W	GU10	max. 60°	2,000 kg	0.7 kg	Φ110×140 mm
OGS 50	max. 50 W	GU10	max. 60°	2,000 kg	0.8 kg	110×110×140 mm
OGN 50	max. 50 W	GU10	2x 60°	2,000 kg	0.9 kg	Φ105×165 mm

\* Luminaires without light sources

# DRIVE-OVER LUMINAIRE / PROJECTOR OGA / OGP 'GARD'



## Description:

**OGA drive-over luminaires and OGP projectors** are architectonic fixtures which can be used for professional lighting of buildings, trees, shrubs and small architecture projects.

The light source used in these luminaires is **CREE diode**, distinguished by its high efficiency and service life. The diodes we use have varying efficiencies, up to **155 lm/W**, making it possible to achieve up to **4,600 lm** at 30 W. Fixture housing is made of 316L stainless steel which guarantees a high quality of the product.

Thanks to versatile installation methods, **OGP projectors** provide a wide range of façade lighting and in-ground lighting. Available in aluminium, black and gold colour versions. 2 W mini version available upon request. **OGA** and **OGP** luminaires are available in round and square versions, with different beam angles which makes them adjustable to any investment.

Thanks to its high **IP68** weather resistance and **IK10** mechanical resistance, they are an excellent choice for architectural lighting.

## Use:

- illumination of building facades
- monuments and sacral architecture
- outdoor advertising
- park alleys, squares
- gardens and parking lots



OGA-S

OGA-R

OGP

OGP

Code Index	Power	Power supply*	Colour temperature	Beam angle	Strength	Dimensions**
OGA-R/S-07	7 W	230 V	3,000 K 4,000 K	30°	2,000 kg	φ96×height with a box×103 mm
OGA-R/S-20	20 W	230 V	3,000 K 4,000 K	25°	2,000 kg	φ148×height with a box×110 mm
OGA-R/S-30	30 W	230 V	3,000 K 4,000 K	25°	2,000 kg	φ217×height with a box×222 mm
OGP-R/S-05	5 W	230 V	3,000 K 4,000 K	25°	-	φ77 mm
OGP-R/S-17	17 W	230 V	3,000 K 4,000 K	25°	-	φ104 mm
OGP-R/S-30	30 W	230 V	3,000 K 4,000 K	25°	-	φ194 mm

\* optional OGA power supply: 12/24V DC  
\*\* mounting box in OGA model included

\*after meeting the specific warranty conditions

# POLE LUMINAIRE PLR 'PILLAR'



## Description:

'PILLAR' pole luminaire is an architectural luminaire designed for illuminating both commercial and private areas. The modern design of these pillar luminaires allows for lighting circulation areas, gardens, park alleys, but also parking lots and squares. Made entirely of aluminium with an option to be painted any colour from RAL colour chart. The light source used in pole luminaires is **OSRAM diode**, hermetic lens with LEDIL seal.

Standard pole luminaires are available in 2 versions with different height and power: **6 W-60 cm** and **10 W-110 cm**. There is an option to order them in other height and power versions. Available in 3,000 K, 4,000 K and 5,000 K colour temperature versions.

## Use:

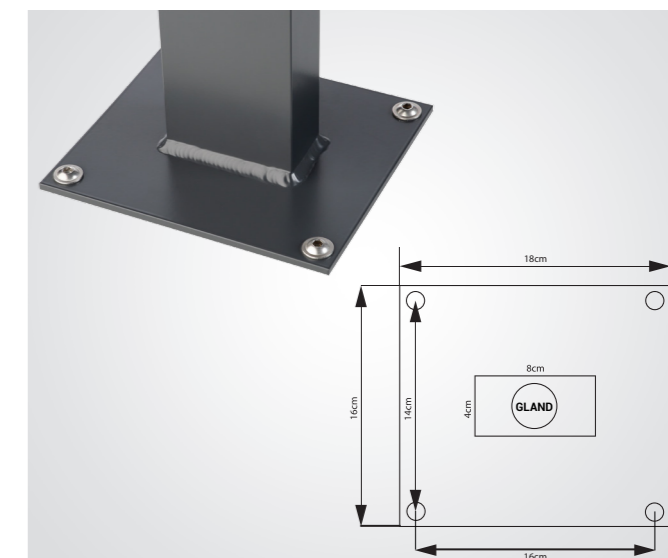
- circulation areas
- gardens
- park alleys, squares
- parking lots



## Option to select lens type and lumen output



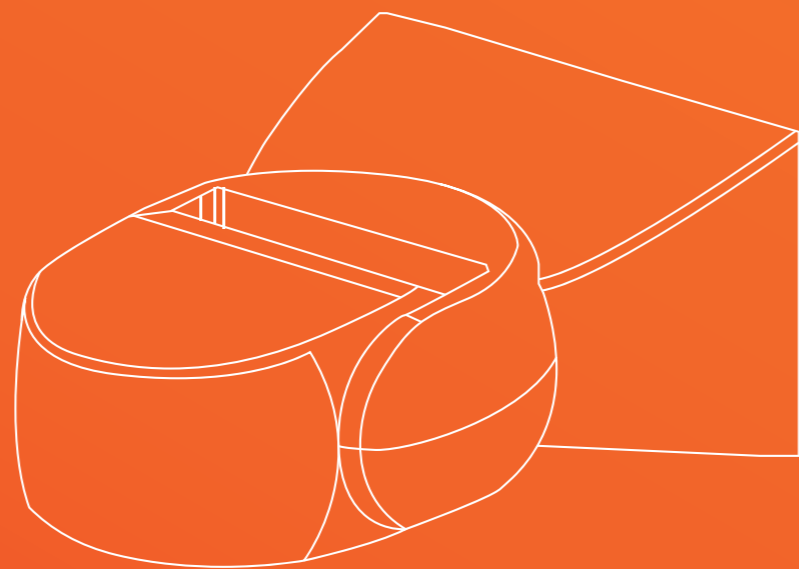
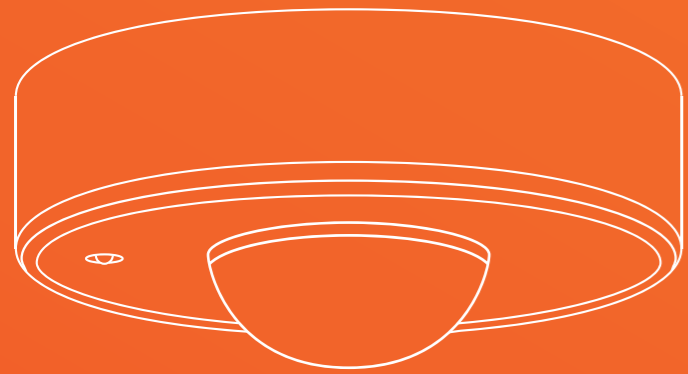
## Base dimensions



Code Index	Power**	Colour temperature*	Beam angle	Luminous efficacy	Weight	Dimensions
PLR-06	6 W	4,000 K	90°	135 lm/W	2.25 kg	40×80×600 mm
PLR-10	10 W	4,000 K	90°	135 lm/W	2.6 kg	40×80×1,100 mm

\*4,000 K – standard version; 3,000 K, 5,000 K – upon request  
 \*\*6 W, 10 W – standard; possibility to manufacture versions from 6 W – 30 W

# MOTION SENSORS



# MOTION SENSOR SES



SES04WH

SES04WH-A

SES07WH



SES08WH



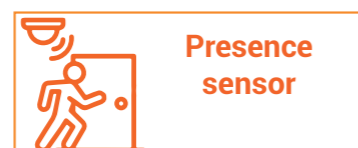
SES15BL



SES60WH



SES66

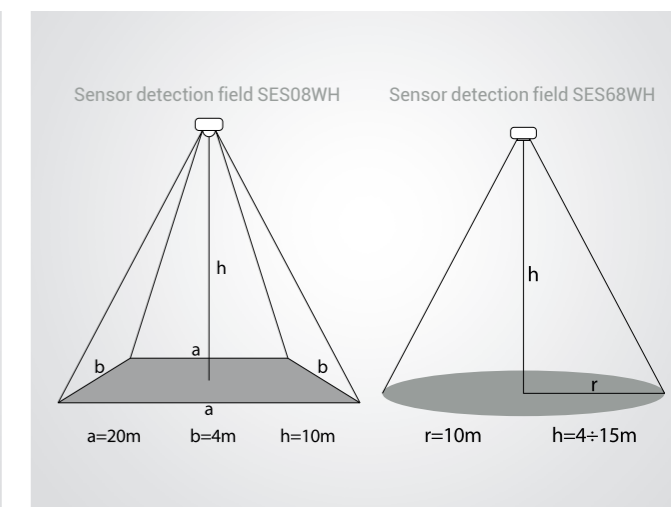


SES61



## SES60WH-A / SES60BL-A

## Detection range



Code Index	Power*	Colour of the housing	Regulation method	Type of sensor	Range of detection	Dimensions
SES04WH	1,200 W / 300 W	white	time / lux	PIR (infrared)	360° max. 6 m	Ø75×60 mm
SES04WH-A	800 W / 400 W	white	time / lux	PIR (infrared)	360° max. 6 m	Ø75×90 mm
SES07WH	2,000 W / 1,000 W	white	time / lux	PIR (infrared)	360° max. Ø20 m	102×102×60 mm
SES08WH	2,000 W / 1,000 W	white	time / lux	PIR (infrared)	360° 4×20 m	102×102×60 mm
SES15BL	1,200 W / 300 W	black	time / lux	PIR (infrared)	180°×120°; max. 12 m	81×52×120 mm
SES15WH	1,200 W / 300 W	white	time / lux	PIR (infrared)	180°×120°; max. 12 m	81×52×120 mm
SES60WH	1,200 W / 300 W	white	time / lux / sens	microwave	360° max. 8 m	Ø96×43 mm
SES60WH-A	800 W / 300 W	white	time / lux / sens	microwave	360° max. 8 m	Ø102×24 mm
SES60BL-A	800 W / 300 W	black	time / lux / sens	microwave	360° max. 8 m	Ø102×24 mm
SES61WH	2,000 W / 1,000 W	white	time / lux	presence	360° max. 6 m	Ø115×24 mm
SES66WH	1,200 W / 600 W	white	time / lux	presence	360° max. 6 m	Ø76×66 mm

\* power: incandescent / CFL or LED

# MOTION SENSOR SES



IR Quatro HD-2



IS 345 MX



US 360



Sens IQ S

## Description:

Our offer covers a wide range of specialist motion sensors. Thanks to their parameters and our experience, we could design luminaire control solutions adjusted to our clients' needs, which translates into even better energy-saving properties.

## Sens IQ S



With a range of up to 20 m, it's an excellent choice for entrances, docks, loading ramps, driveways, parking lots in logistic centres and industrial areas.

## US 360



Fills the surrounding area with ultrasonic waves, which allows for detection of items covered by furniture or division walls. Perfect for office spaces.

## IR Quatro HD-2



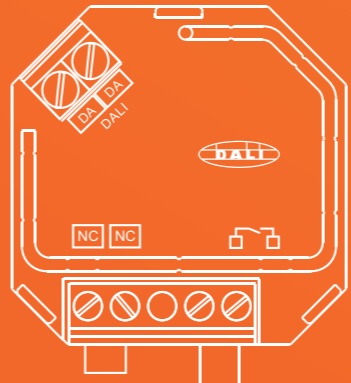
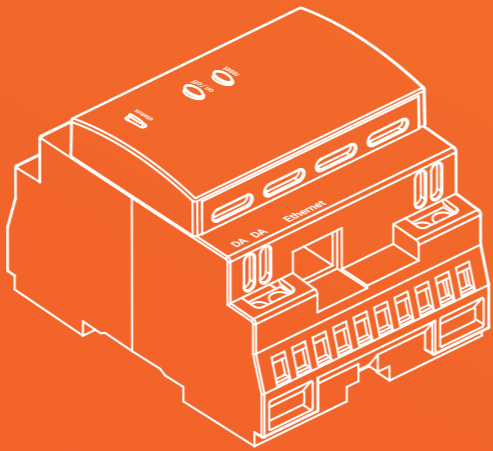
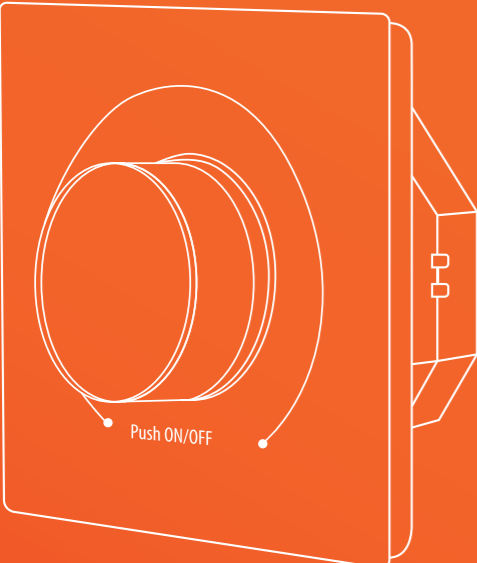
A range of 24 m×24 m (576 m<sup>2</sup>), very high precision – 5,200 detection areas. Allows for supervising large open spaces, such as warehouse halls and production halls.

## IS 345 MX highbay



Installation height of up to 16 m, detection range: 30×4 m (in a radius). It allows to control the lighting in high storage warehouses and circulation areas of warehouse and production halls.

# CONTROL DALI / DALI-2



# CONTROL DALI / DALI-2



## Description:

DALI is a versatile and energy-saving lighting control system from the central spot. It is most commonly used in large commercial facilities, offices, retail and industrial areas. It is also increasingly popular in houses whose owners seek the best lighting control solutions.

DALI system can be installed in the existing networks, but the best results are obtained when it is installed in a new building as there is no need to use lighting control circuits.

When compared to other lighting systems, DALI is the most flexible one. Programming makes it easier to monitor the system.

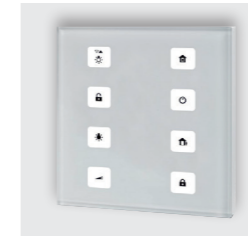
### BENEFITS of the DALI system:

- option to change lighting configuration in a room without additional cables
- the lighting can be designed to operate independently in each room
- easier installation in comparison to other lighting systems
- option to adjust the lighting system to your needs, which assure comfortable use and saves money
- individual settings with one button
- easy and convenient lighting system monitoring

## Control panels



Wall-mounted touch panel



Wall-mounted glass touch panel



Key panel

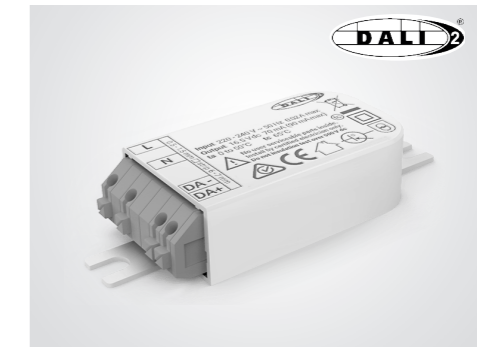
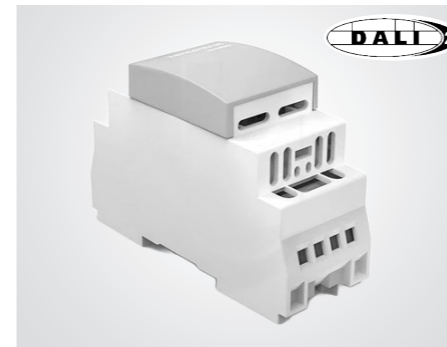


Key panel



Rotating dimmer switch

## Bus power supplies



## DALI-2 multisensors



PIR-5m / Installation height 2.7 m

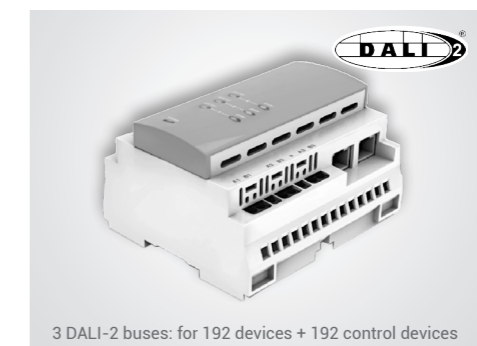


PIR-8m / Installation height 10 m

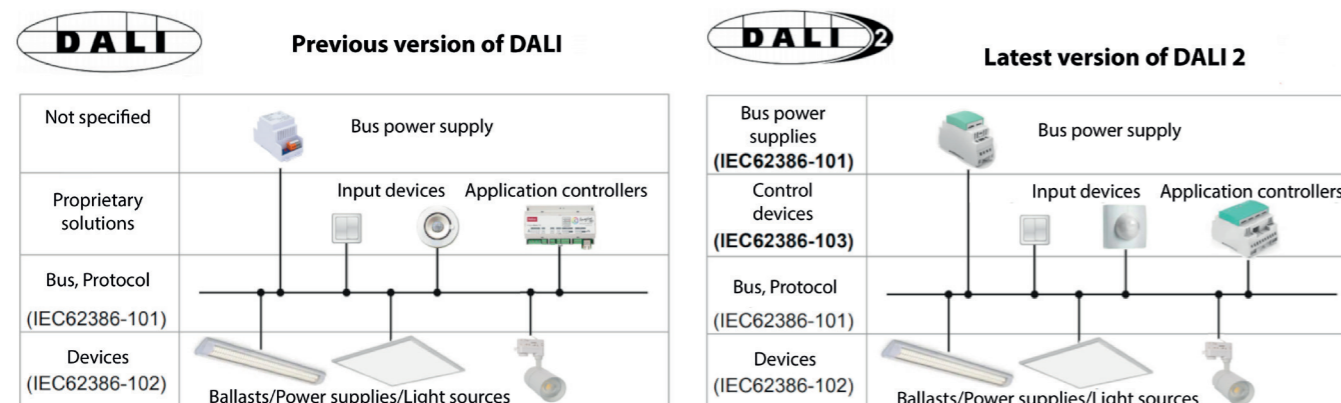
## Router Controller



1 DALI-2 bus: for 64 devices + 63 control devices



3 DALI-2 buses: for 192 devices + 192 control devices



# Meet the Schelinger brand

## Schelinger

**Schelinger** is our dynamically developing brand in the **Renewable Energy Sources sector**. It focuses on providing high-quality products and complex service. We focus on proven solutions, subsidies, and sustainability.

### Schelinger heat pumps are:

- **SAVING COSTS** – The ratio of consumed energy to produced energy is 1:4, which means that the cost is lower by 2–3 times
- **QUICK RETURN ON THE INVESTMENT** – In the era of dynamically increasing fuel prices, the return of incurred costs is just a few years.
- **SAFETY** – Pumps don't need fire to generate heat, contrary to traditional solid fuel or gas boilers.
- **COMFORT OF USE** – Temperature is set through a control panel at home or via a phone; clean and convenient use.
- **ECO-FRIENDLY USE** – Heat pumps are silent and emission-free. No smog and no emission of harmful substances to the atmosphere contribute to environmental protection.

**Air/water heat pump** is a multifunction device which not only heats your home in the winter and cools it down in the summer – it also controls domestic hot water. Thanks to the use of cutting-edge technologies, it can efficiently heat the building even on extremely cold days. **Schelinger** offer covers heat pumps which can be used both in small and large houses, and both in new and renovated buildings.



### EXCLUSIVELY IN OUR OFFER!

#### A PACKAGE OF ADDITIONAL SERVICES AND NEW TECHNOLOGIES:

- **HIT: SCHELINGER Multi Power Tank** – 2-in-1 tank / central heating + domestic hot water
- **Schelinger Care** with round-the-clock service
- **SCHELINGER golden warranty** – 12 years for the whole heat pump installation
- **SCHELINGER Outlet** – purchase of used central heating and domestic hot water devices

Heat pumps with **EVI DV Inverter** technology and multifunction water containers with ribbed coil pipe by Schelinger

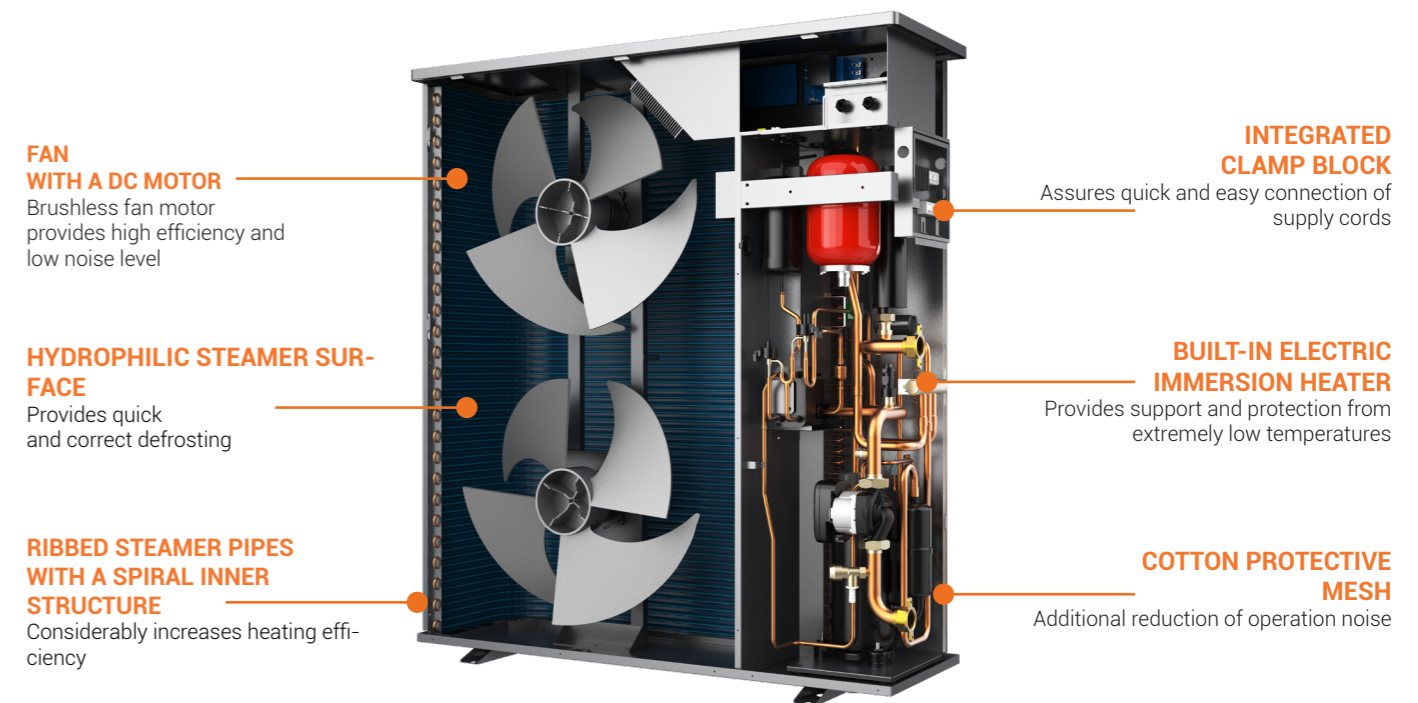
**Schelinger heat pumps** based on a highly efficient inverter compressor by **Panasonic®**, which uses **EVI** technology (direct injection of coolant to the compressor) that allows it to maintain high efficiency even in extremely low outdoor temperatures (up to -30°C). It allows for adjusting the heating power of the heat pump to the current heat demand of the building. Available in the heating power range of 6–18 kW.

Multifunction **Schelinger water tanks**, made of 316 stainless steel, available in many capacities, as buffer tanks (with electric immersion heater or with no immersion heater), and as domestic hot water tanks with single coil pipe made of flexible ribbed steel. Thanks to its properties, the exchange surface of this coil pipe is twice as large as in coil pipes with a smooth surface.

The ribs on the pipe also count as exchange surface. The surface is ca. 0.5 m<sup>2</sup>/m. Because of the ribbed surface, the coil pipe is subject to micro-extension and compression movement. This translates into a long service life and a stable efficiency level, as its little movement prevents the deposition of calcium and other mineral substances in the water.

**2-in-1 tanks** which combine the function of central heating buffer and domestic hot water tank in a single cover, are the most popular. Their external surface reduces the engine room area where it needs to be installed to a minimum. Stainless steel guarantees a long service life and eliminates the need to use magnesium or titanite anodes. Glazed steel in a versatile steel colour makes the tank look professional.

Please see the available information on our website or contact us to learn more.













BEMKO GROUP



LUXMENA

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