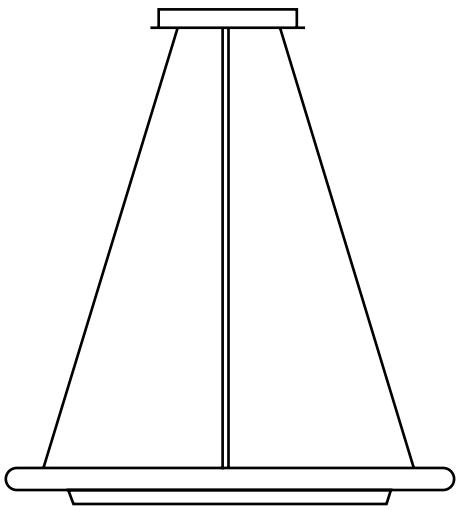
# LIGHT

CATALOGUE 2026



LENA LIGHTING

ARCHITECTURAL LIGHTING
LINEAR AND MODULAR
LIGHTING SYSTEMS
TROFFERS
INDUSTRIAL LIGHTING
QUICK-ASSEMBLY LINES
FLOODLIGHTS
DOWNLIGHT
SPOTLIGHT

CLEAN AND MEDICAL LIGHTING
WALL AND CEILING LUMINAIRES
STREET LIGHTING
PARK AND CITY LIGHTING
ACCENT LIGHTING
EMERGENCY LIGHTING
LIGHTING CONTROL




Lena Lighting production halls in Środa Wielkopolska

# MADE IN POLAND

We are a lighting manufacturer with 37 years of market presence, which has given us extensive knowledge of luminaires and lighting systems. We design, thoroughly test, and manufacture them ourselves. We combine practical experience with modern solutions.

### Advanced production facilities

Our modern infrastructure ensures a high level of flexibility and operational efficiency.

### Working with global leaders

We cooperate with leading manufacturers of electrotechnical components, which enables us to implement unique solutions.

### Lighting market leader

Every year, we produce millions of luminaires, strengthening our position both nationally and globally.

### Energy savings and quality of illumination

Our technological innovations reduce energy consumption while simultaneously improving lighting parameters.

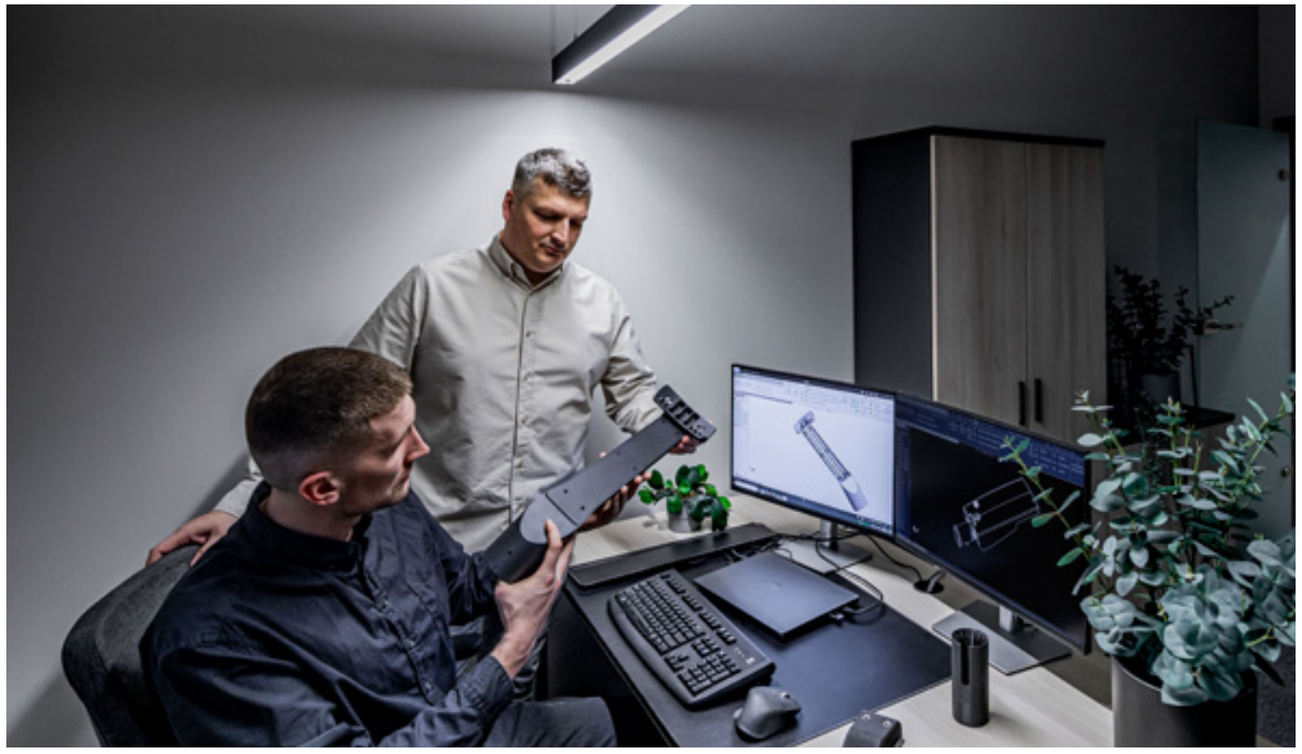
### Innovative design

We use the latest technological advance-ments to create modern and energy-efficient solutions.

### Continuous technological improvement

We constantly expand our know-how by implementing the latest LED technologies and lighting control systems.

37+ years experience



Values that help us achieve
our goals through our daily work
for our customers

### Passion and professionalism

Our company was born out of a fascination with light. Over the years, we have gained knowLEDge and expertise that enable us to design and manufacture even the most complex lighting systems.

### Inspiration and design

We make sure that our products stand out not only through top-tier performance but also exceptional design. We believe that the spaces around us have a real impact on how we feel. With this in mind, we create our products.

### Innovation and development

We provide technologically advanced solutions. We continuously invest in the expansion of our research and development center as well as our advanced manufacturing lines. Our growth is driven by ongoing advancements in LED technology, electronics, and lighting control systems.

### Sustainable development

Environmental management is at the core of our operations. We have implemented a system that minimizes any negative impact on the natural environment. We are certified to ISO 14001.



# PROOF RATHER THAN PROMISES

An Environmental Product Declaration (EPD) is a verified document that clearly shows a product's carbon footprint, energy consumption, and environmental impact at every stage of its life cycle.

It is based on independent verification and the ISO 14025 and EN 15804 standards, rather than on the manufacturer's declaration. It supports participation in tenders and building certification under the LEED, BREEAM, and DGNB systems, and the life cycle assessment (LCA) identifies where emissions can still be reduced.





# ARCHITECTURAL LIGHTING



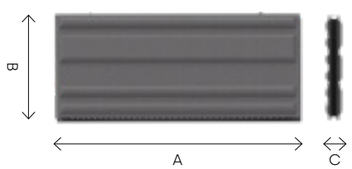
D131 Honey
D124 Yellow
D209 Bordeaux
D534 Rose
D269 Lilac
D613 Lavender
D282 Dark blue
D312 Lagune
D732 Fern
D342 Dark greer
D150 Mixed white
D170 Mixed light

# Colline x Terrano

IP 20 | IK 03 | lm/W 134

| | |
|---|---|
| rated power [W] | 10 - 53 |
| luminous flux [lm] | 1400 - 6300 |
| mounting version | suspended |
| body material | wool / steel, polyester / steel |
| body color | |
| optics material | PC |
| type of optics | lens |
| dimensions [mm] | 1200/600/100, 1200/400/100, 1200/200/100 |

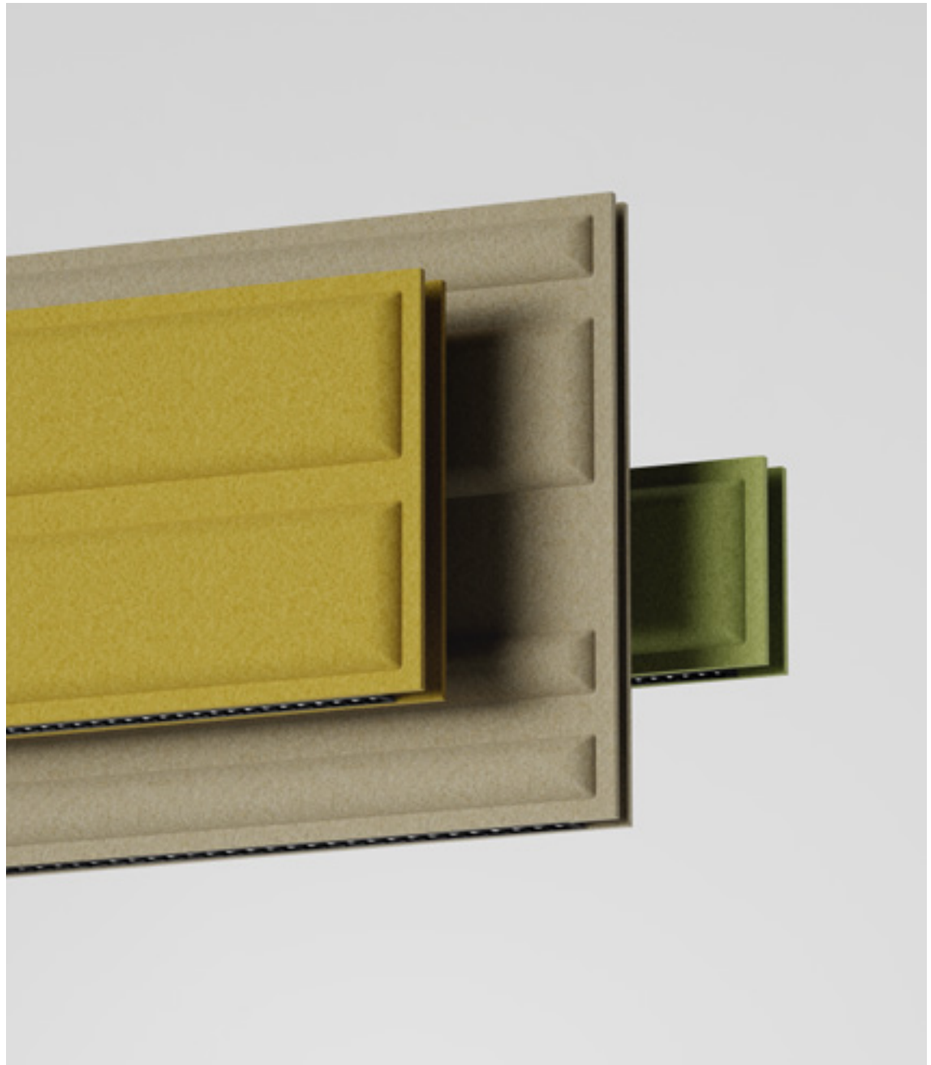
- The UGR is in the range of 12 - 19
- High-quality sound absorption
- Versions with DALI control are available
- The luminaire is made of a triple layer of felt
- Different embossing options and acoustic panel colors available




reddot winner 2023



Application of the Colline x Terrano lamp in a conference room



# CUSTOMIZATION OPTIONS

Colline x Terrano combines elegant, refined design, energy-saving lighting and first-class sound-absorbing components.

Colline x Terrano were created to build places conducive to work, rest and everyday challenges of day and night.

The modular design of Colline x Terrano offers a wide range of personalization options: from the choice of material, size and color of the panel, light color, through rich design, to a number of intelligent functions, such as DALI DIMM control, allowing you to dim and brighten the light. With a colorful block of panels, you can not only effectively mute, but also freely decorate the interior, adding a modern touch to it.

The product is designed with care for the natural environment in mind. The structure of the panels is supported by NanoFelt Ag technology, ensuring microbiological protection. Colline x Terrano is characterized by high durability and recyclable components.





# Terra Balance

IP 20 | lm/W 111

| | |
|---|---|
| rated power [W] | 16 - 50 |
| luminous flux [lm] | 1650 - 5200 |
| mounting version | surface-mounted, recessed, suspended |
| body material | ecoPET / steel |
| body color | |
| diffuser material | Various mounting forms and colour variants are available |
| type of optics | lens |
| dimensions [mm] | 595/595/40, 600/600/44, 600/600/600/50, 1200/600/47, 1200/600/52, 1440/300/48 |

- Eco-friendly pet felt luminaires,
- LEDs and low UGR < 19 ensure comfort without glare
- Various mounting forms and colour variants are available.
- Durable, moisture resistant, easy to clean and fully recyclable



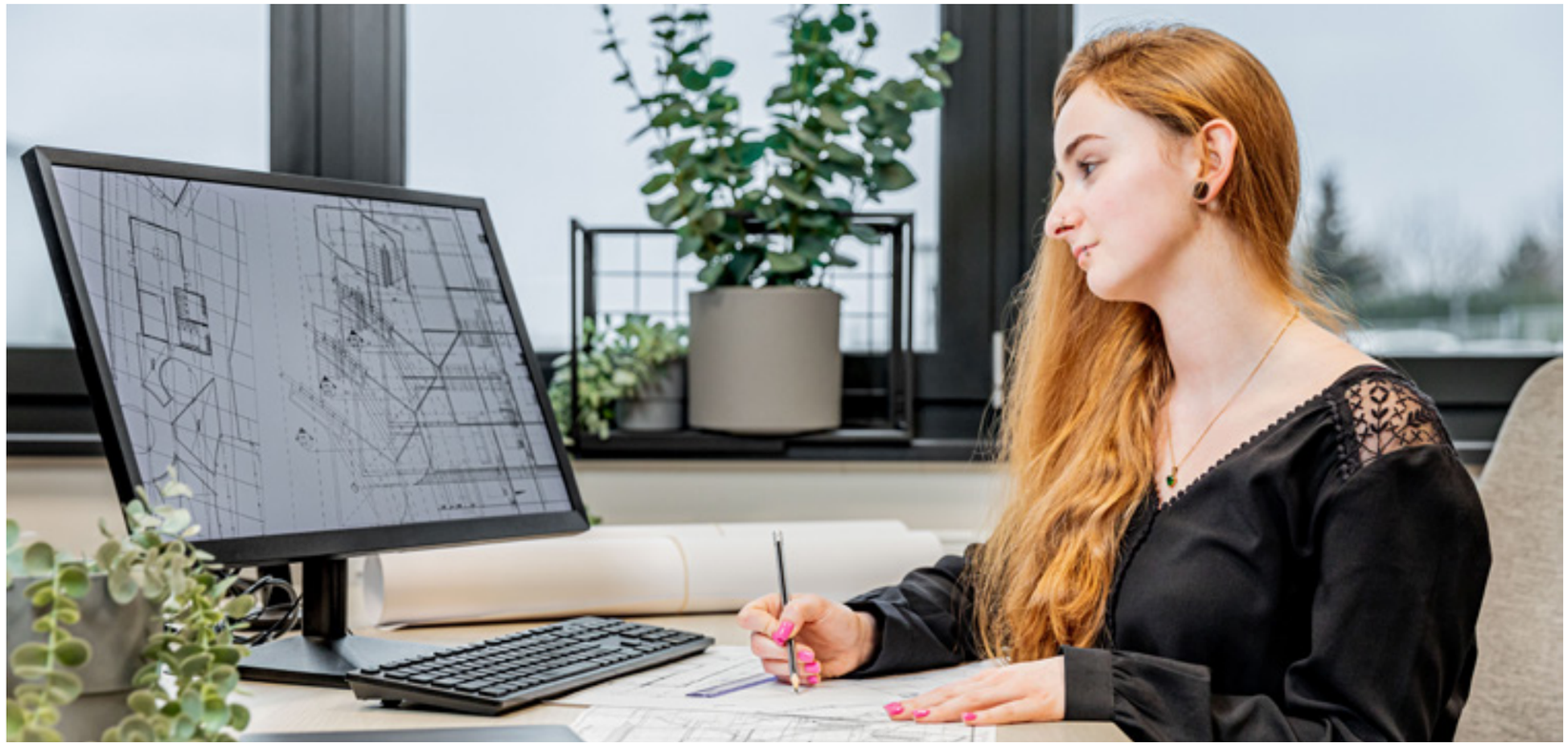
Application of Terra Balance lamp

reddot winner 2022

reddot winner 2023

DESIGN AWARD 2025

ZIELONY WZÓR DOBRY WZÓR 2021



# WE SUPPORT YOUR VISION

Our team has been supporting architects for years in creating professional designs and delivering the highest quality lighting systems.

We share knowLEDge and experience by proposing tailor-made solutions to fit your needs. We take on ambitious challenges and support the implementation of bold visions. We combine modern technology with passion and in-depth knowLEDge of the subject lighting.



Visualization of the Sizzano luminaire in a modern room

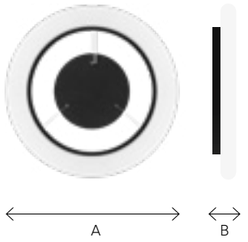


# Sizzano

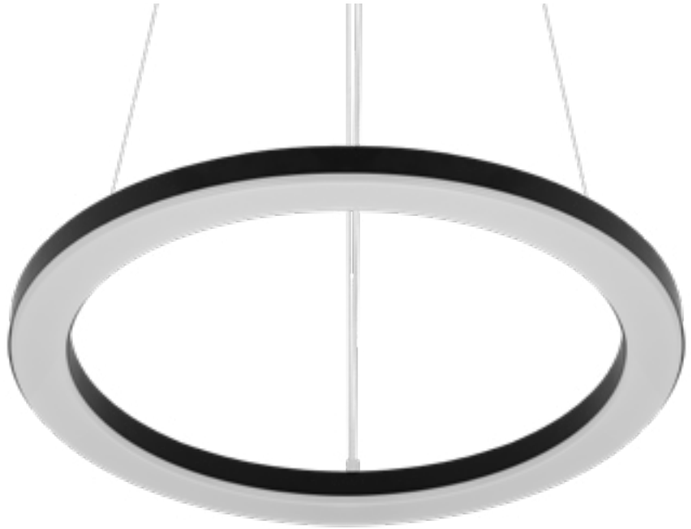
| IP | IK | lm/W |
|---|---|---|
| 40 | 03 | 105 |

| | |
|---|---|
| rated power [W] | 21 - 37, 32 - 55 |
| luminous flux [lm] | 2000 - 3800, 3100 - 5600 |
| mounting version | suspended |
| body material | steel |
| body color | ■□ |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | Ø970/80,<br>Ø630/50 |

- Modern and intriguing design
- Uniform light distribution and excellent optical performance
- MULTILED versions with adjustable power and luminous output
- Two diameters
- DALI control version




reddot winner 2022

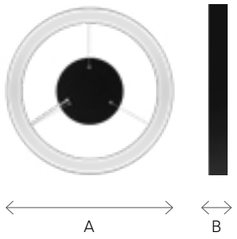


# Solanto

IP 20 | lm/W 94

| | |
|---|---|
| rated power [W] | 30 - 53 |
| luminous flux [lm] | 1890 - 6100 |
| mounting version | suspended |
| body material | steel |
| body color | ■ □ |
| diffuser material | PS, PMMA (version 1200) |
| diffuser type | Opal |
| dimensions [mm] | Ø602/32, Ø900/32, Ø1200/32 |

- Classic circular design
- Thermoformed diffuser
- Multi versions with adjustable power and luminous output
- Uniform light distribution and excellent optical performance
- DALI control version






Application of the Solanto lamp in the beauty & SPA CENTRE

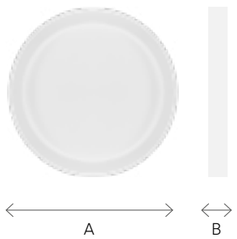


# Solanto N

IP 20 | lm/W 116

| | |
|---|---|
| rated power [W] | 30 - 53 |
| luminous flux [lm] | 1890 - 4980 |
| mounting version | surface-mounted |
| body material | steel |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | Opal |
| dimensions [mm] | Ø602/68, Ø900/68 |

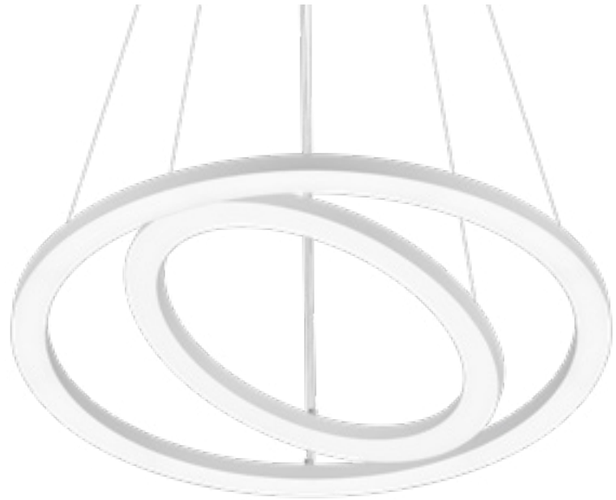
- Classic circular design
- Thermoforming lampshade
- Multi versions with adjustable power and luminous output
- Uniform light distribution and excellent optical performance
- DALI control version






The use of a surface-mounted variant of the Solanto lamp in the fitness and yoga center.



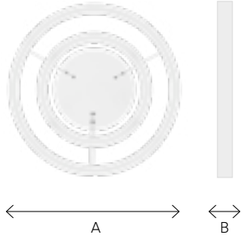


# Solanto Duo

IP 20 | lm/W 122

| | |
|---|---|
| rated power [W] | 26 - 54 |
| luminous flux [lm] | 1500 - 4300 |
| mounting version | suspended |
| body material | steel |
| body color | ■ □ |
| diffuser material | PS |
| diffuser type | Opal |
| dimensions [mm] | Ø602/32, Ø900/32 |

- Intriguing design
- Thermoforming lampshade
- Multi versions with adjustable power and luminous output
- Uniform light distribution and excellent optical performance
- DALI control version




The use of the Solanto Duo lamp in a modern apartment.



# Solanto Quattro

IP 20 | lm/W 90

| | |
|---|---|
| rated power [W] | 120 - 212 |
| luminous flux [lm] | 8160 - 14400 |
| mounting version | suspended |
| body material | steel |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | Opal |
| dimensions [mm] | 2x Ø602/32, 2x Ø900/32 |

- Intriguing design
- Several configuration options
- Thermoforming lampshade
- Multi versions with power and flux settings
- Uniform light distribution and excellent optical performance
- DALI control version




The use of the Solanto Quattro lamp in the lobby of the office building.

# IN LIGHT SHADES

Messaggio is a balanced combination of the highest quality design, intelligent technologies and art, which provides extremely wide arrangement possibilities.

This is a collection in which it is possible to create multi-coloured variants of lamps. The juxtaposition of their different versions - pendant, wall and floor lamps - allows you to create phenomenal compositions lighting and decorative elements.

The LED modules used in the lamps provide a high level of energy efficiency. The steel, solid, and at the same time delicate in visual perception, housing can be painted in two different colors from the RAL palette in the inner and outer parts.

Messaggio lamps are also available in a version with DALI control, which allows you to adjust the value of the luminous flux. The team of engineers and technologists can also program the lamps for the individual needs of investors and architects to enable light control with compositions made of many lamps.



04 various versions

MESSAGGIO SUSPENDED

Lamp in the version for hanging installation

MESSAGGIO WALL LIGHT

Three wall lights lengths

MESSAGGIO WALL LIGHT XS

Wall sconce

MESSAGGIO STANDING

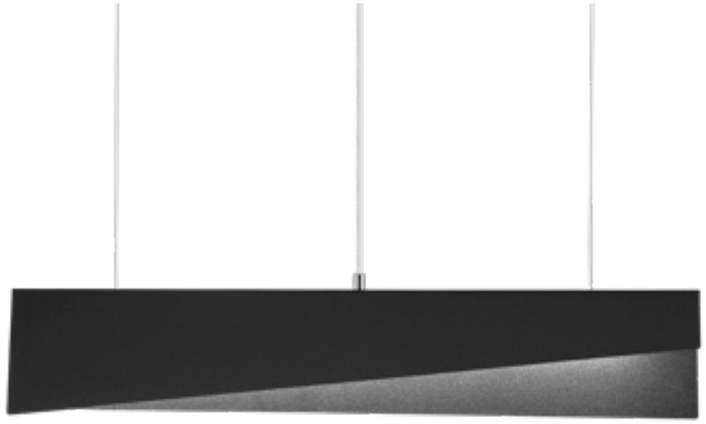
Standing lamp



# DOROTA KOZIARA

The world-famous designer has created a collection of lamps using LED technology for us. The idea behind the project is to combine the magic of light with a highly energy-efficient lighting system.

Dorota Koziara approaches design topics broadly, being a designer, she also deals with design promotion, company development strategy through design and design criticism. He designs for many well-known companies. For years, he has also been a curator and organizer of exhibitions promoting design internationally.

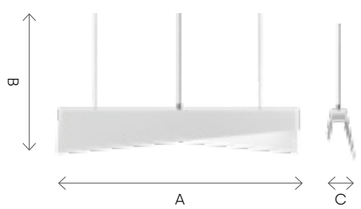


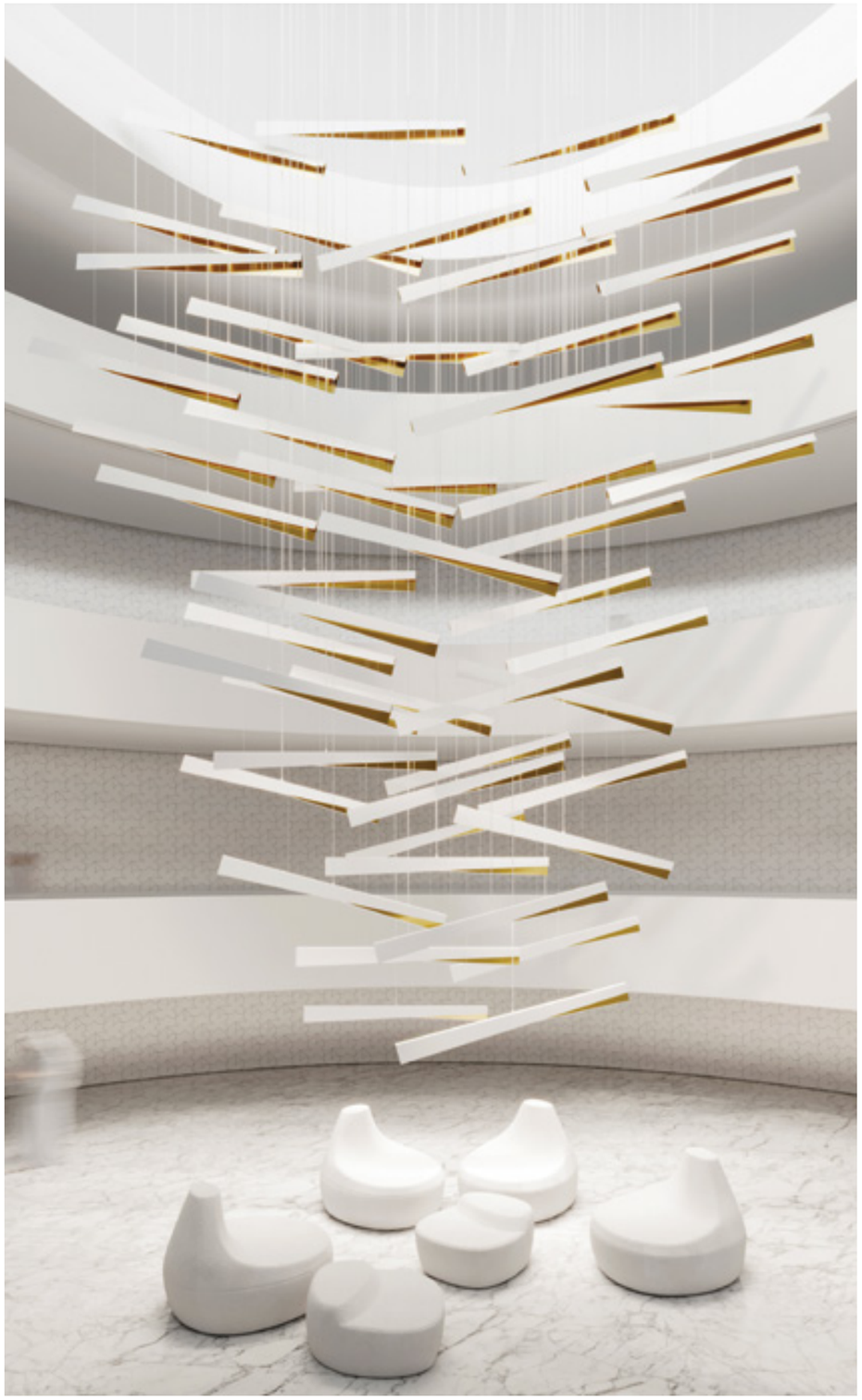
# Messaggio

IP 20 | lm/W 106

| | |
|---|---|
| rated power [W] | 18 - 64 |
| luminous flux [lm] | 670 - 5700 |
| mounting version | suspended |
| body material | steel |
| body color | RAL |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 701/130/80, 1261/130/80, 1541/130/80 |

- Minimalist form designed by Dorota Koziara
- The lamps can be available in all colors from the RAL palette, also in a multi-color version
- Versions with DALI control are available
- Suspension length adjustment



Visualization of the use of Messaggio luminaires



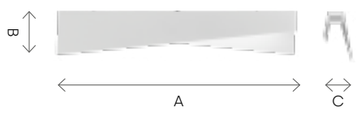


# Messaggio wall light

IP 20 | lm/W 106

| | |
|---|---|
| rated power [W] | 18 - 64 |
| luminous flux [lm] | 670 - 5700 |
| mounting version | surface-mounted, wall-mounted |
| body material | steel |
| body color | RAL |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 701/128/106, 1261/128/106, 1541/128/106 |

- Minimalist form designed by Dorota Koziara
- The lamps can be available in all colors from the RAL palette, also in a multi-color version
- Versions with DALI control are available




Visualization of the use of Messaggio luminaires

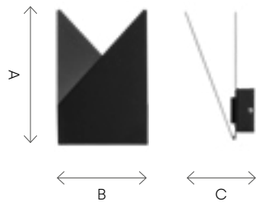


# Messaggio wall XS

IP 20 | lm/W 75

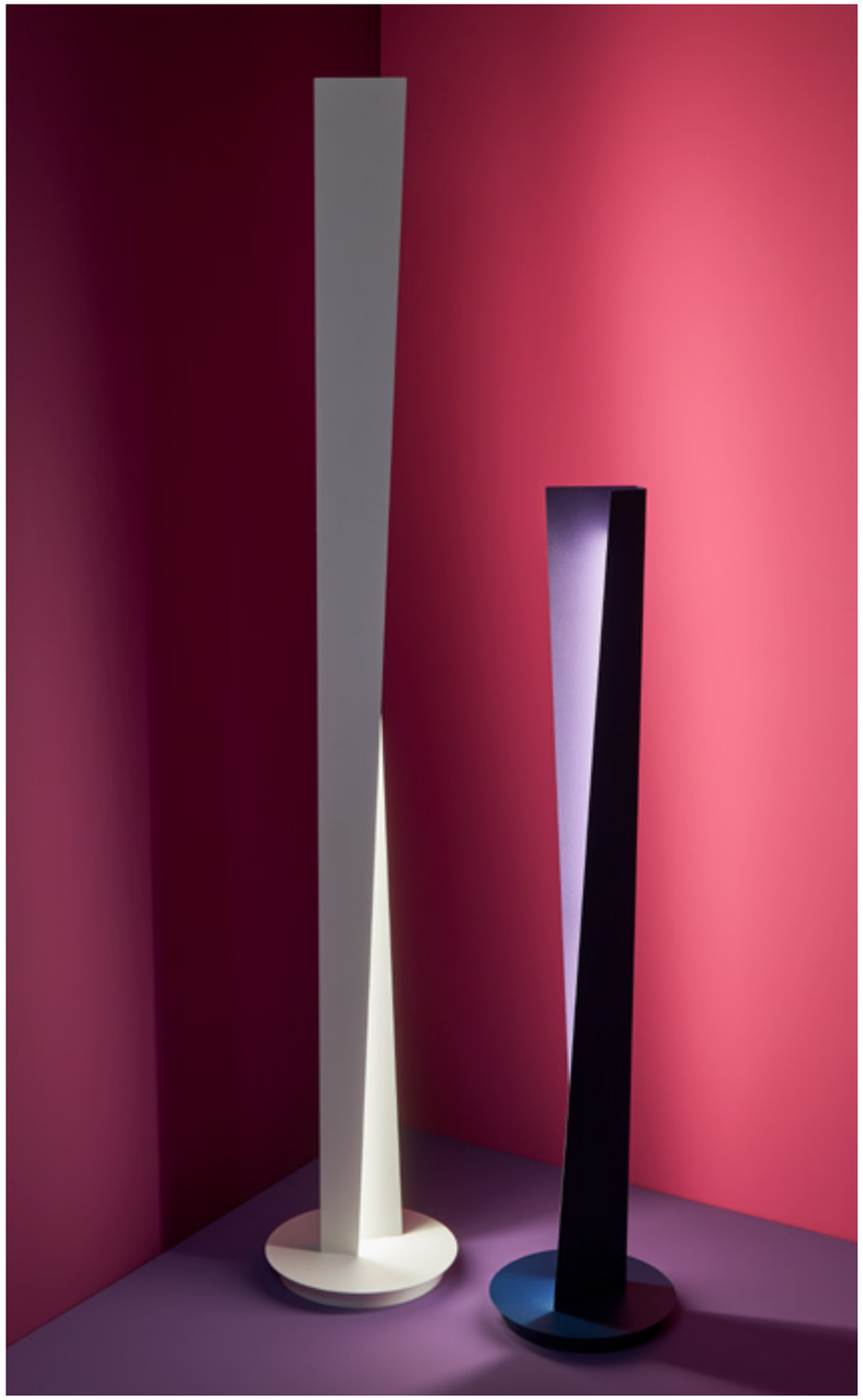
| | |
|---|---|
| rated power [W] | 2 |
| luminous flux [lm] | 59 - 100 |
| mounting version | surface-mounted, wall-mounted |
| body material | steel |
| body color | RAL |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 200/130/140 |

- Minimalist form designed by Dorota Koziara
- The lamps can be available in all colors from the RAL palette, also in a multi-color version
- Versions with DALI control are available






Visualization of the use of Messaggio luminaires



Visualization of the use of Messaggio luminaires

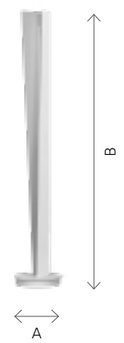


# Messaggio floor lamp

IP 20 | lm/W 104

| | |
|---|---|
| rated power [W] | 23 - 44 |
| luminous flux [lm] | 1300 - 4500 |
| mounting version | standing |
| body material | steel |
| body color | RAL |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 1241/Ø220, 1802/Ø260 |

- Minimalist form designed by Dorota Koziara
- The lamps can be available in all colors from the RAL palette, also in a multi-color version
- Versions with DALI control are available



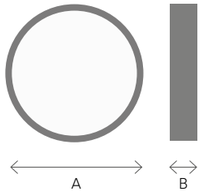


# Coria 2 LED

IP 44,40 | IK 03 | lm/W 115

| | |
|---|---|
| rated power [W] | 15 - 145 |
| luminous flux [lm] | 1100 - 14800 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | ø300/85, ø400/85, ø600/85, ø900/85, ø1200/85 |

- Classic design and elegance
- Intuitive assembly
- High luminous efficacy and uniform light distribution
- Excellent lighting parameters, make the luminaire perfect for large conference rooms
- A multitude of dimensional and colour versions






Application of the Coria LED system in a hospice, Środa Wielkopolska



Visualization of the Lungo II luminaires used in a hotel reception area. Generated using AI.



# Lungo II LED

IP 20 | lm/W 108

| | |
|---|---|
| rated power [W] | 12 |
| luminous flux [lm] | 1020 - 1330 |
| mounting version | surface -mounted, suspended, suspended on electrical tracks |
| body material | aluminum |
| body color | ■ ■ □ |
| optics material | aluminum |
| type of optics | catoptric element |
| dimensions [mm] | ø60/170, ø60/170/1500 |

- Powerful LED module with a flux of up to 1330 lm and a color temperature of 3000 K or 4000 K
- Flexible lighting options – beam angles of 20°, 40° or 70°, along with several colour variants
- Various installation options



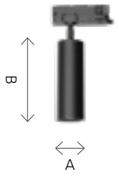


# Lungo II LED Track

IP 20 | lm/W 125

| | |
|---|---|
| rated power [W] | 12 - 18 |
| luminous flux [lm] | 1020 - 2100 |
| mounting version | suspended on electrical tracks |
| body material | aluminum |
| body color | ■ ■ □ |
| optics material | aluminum |
| type of optics | catoptric element |
| dimensions [mm] | ø60/170 |

- A sleek, cylindrical design that highlights the modern character of the interior
- Precise accent lighting to showcase products and details
- Three beam angles: 20°, 40°, and 70° for accent and general lighting
- CRI >90 options for better color rendering of displayed products





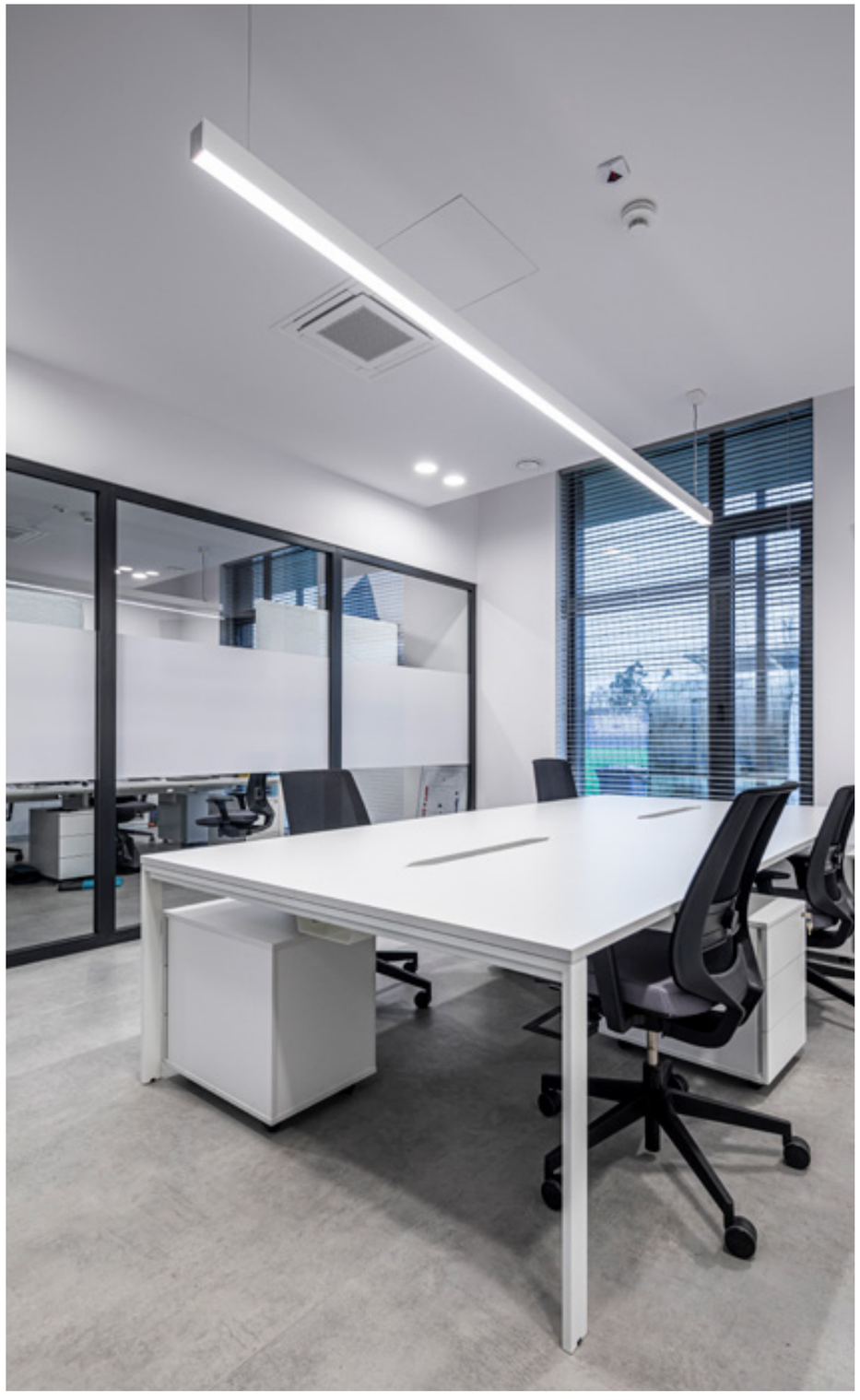

Visualization of the Lungo II LED Track lighting fixtures in use. Generated using AI.

# THE BEST SOLUTION FOR YOUR OFFICE

Minimalist design and unique design have been combined with an innovative approach to energy efficiency and solutions affecting to increase the comfort of working and staying at artificial light.

Baris 40 LED and Baris 52 LED lamps were designed in accordance with the Human Centric Lighting concept, which puts a human in the design of lighting and his needs in the first place.

The iridescent shutter ensures an even distribution of light on the lampshade, significantly affecting the sense of comfort and well-being. Lamps combine the most important aspects related to a modern approach to lighting design – maximum energy efficiency, functionality, possibility creating individual lighting installations and user comfort.



## 08 different version

SQUARE 40/52 LED
A lamp with a classic square shape

40 LED
Lamp version for surface-mounted and suspended installation

40 LED UGR
Lamp version for surface-mounted and suspended installation with UGR<19

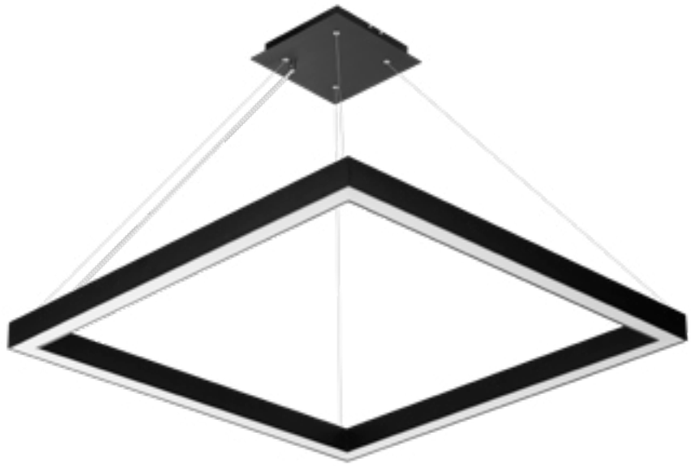
40/52 LED WALL LAMP
Wall bracket

52 LED
Suspended and surface-mounted lamp for creating light lines

52 LED X, T, L, V
Connectors for creating a variety of light lines

52 LED P GK
Recessed mounted light for plasterboard ceilings

52 LED SM
For recessed mounted I in modular ceilings

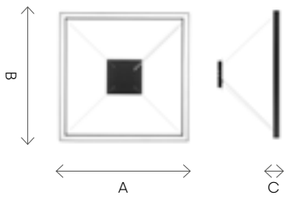


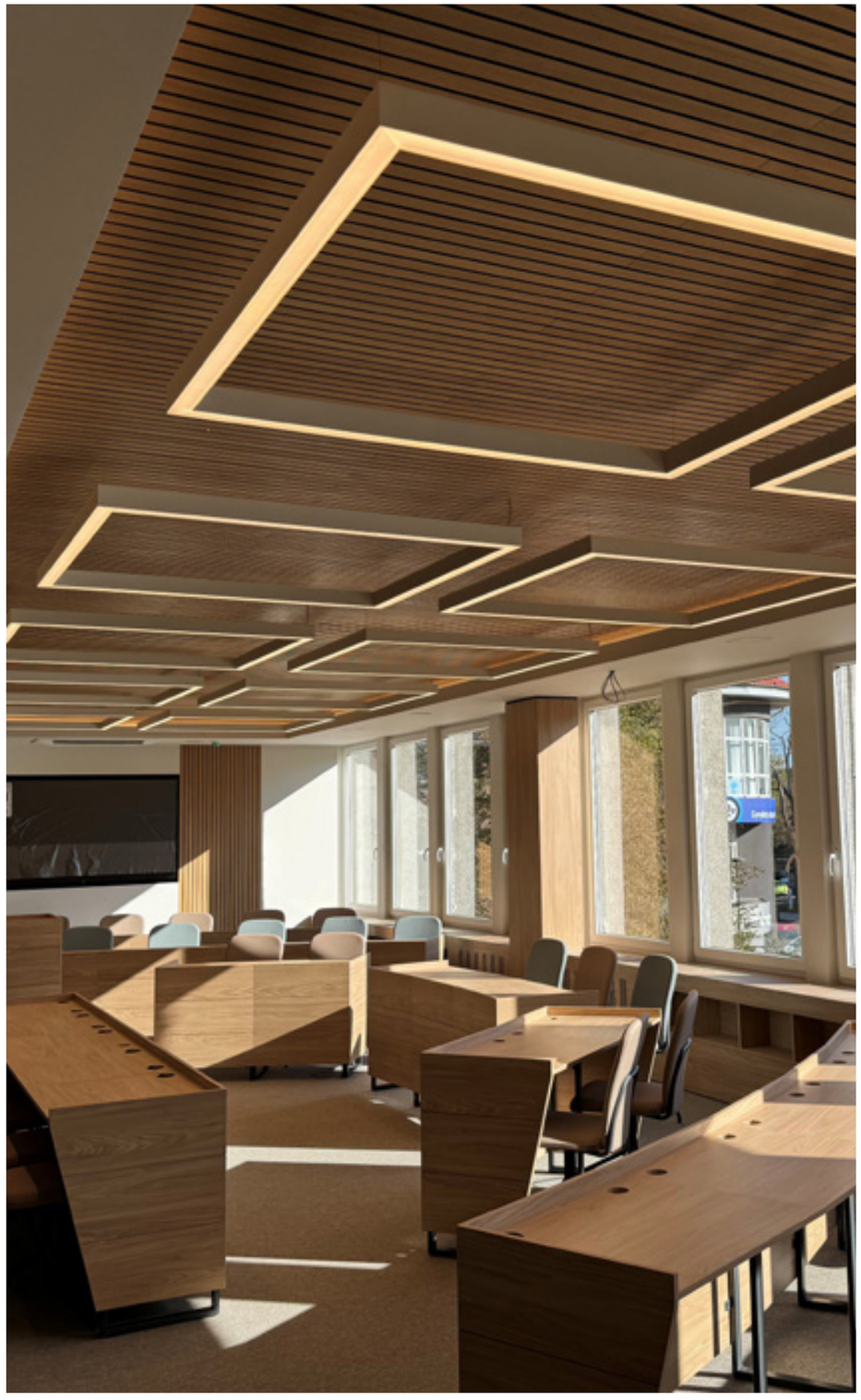
# Baris Square 40 LED

| IP | IK | lm/W |
|---|---|---|
| 20 | 06 | 142 |

| | |
|---|---|
| rated power [W] | 32 - 116 |
| luminous flux [lm] | 4275 - 16450 |
| mounting version | suspended |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1162/1162/52, 882/882/52, 602/602/52 |

- Sturdy housing
- Modern design
- High luminous efficacy
- Compact design
- Flexibility in choosing the version of the lampshade, colour and length of suspension

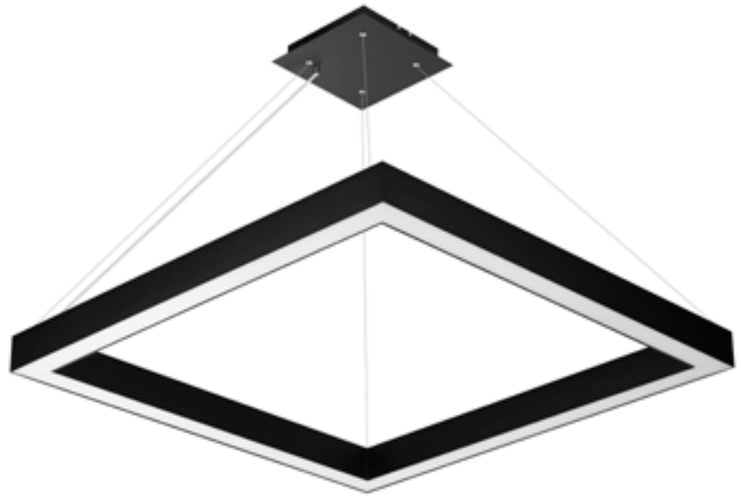


The use of Baris Square 40 LED lamp.



The use of Baris Square 40 LED lamp.

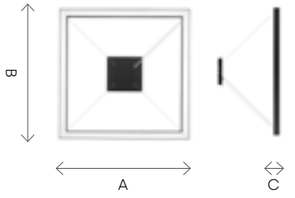


# Baris Square 52 LED

| IP | IK | lm/W |
|---|---|---|
| 40 | 06 | 128 |

| | |
|---|---|
| rated power [W] | 32 - 145 |
| luminous flux [lm] | 3850 - 18575 |
| mounting version | suspended |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1173/1173/69, 1453/1453/69, 893/893/69, 613/613/69 |

- Sturdy housing
- Modern design
- High luminous efficacy
- Compact design
- Versions with IP40 protection
- Flexibility in choosing the version of the lampshade, colour and length of suspension



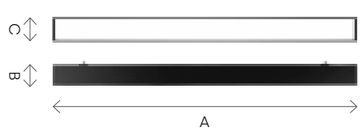


# Baris 40 LED

IP 44/20 | IK 06 | lm/W 164

| | |
|---|---|
| rated power [W] | 14 - 50 |
| luminous flux [lm] | 2125 - 7875 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC, PS |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1140/53/40, 1421/53/40, 860/53/40 |

- Sturdy housing
- Narrow Profile
- High luminous efficacy
- Compact design
- Versions with IP40 protection
- Flexibility in choosing the version of the lampshade, colour and length of suspension






Use of Baris 40 LED UGR Plus in a conference room



Use of Baris 40 LED UGR Plus in a conference room

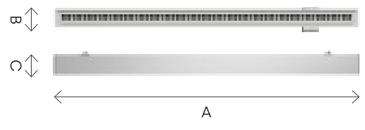


# Baris 40 LED UGR Plus

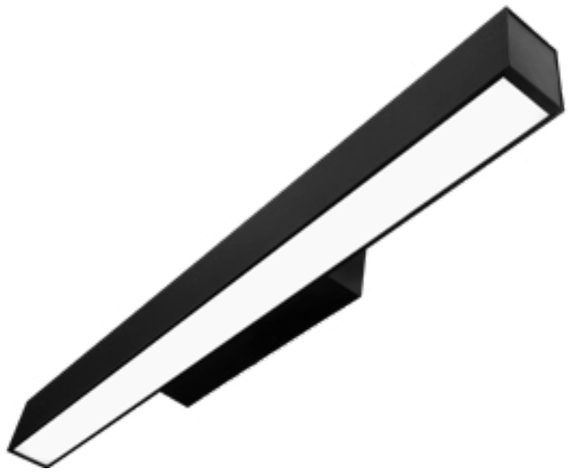
| IP | IK | lm/W |
|---|---|---|
| 44/20 | 03 | 154 |

| | |
|---|---|
| rated power [W] | 17 - 40 |
| luminous flux [lm] | 1875 - 5875 |
| mounting version | suspended, surface-mounted |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | 1140/53/40, 1421/53/40, |

- Unique design
- Energy-saving LED modules
- Optical system in the form of a lens with a parabolic raster
- Possibility of cooperation with external lighting control systems in the DALI STANDARD




SZPITAL
ŚREDZKI
SERCA JEZUSOWEGO
HOSPICJUM
IM. PIOTRA KRÓLA

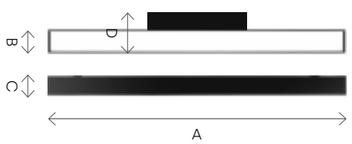


# Baris 52 LED Bracket

| IP | IK | lm/W |
|---|---|---|
| 44 | 06 | 142 |

| | |
|---|---|
| rated power [W] | 9 - 39 |
| luminous flux [lm] | 1200 - 5525 |
| mounting version | Wall-mounted |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 579/40/53/71, 860/40/53/71 |

- Compact design
- Ingress protection (IP) – IP44
- Elegant, minimalist design
- Prestigious design
- Sturdy structure






The use of Baris 40 LED lamp in a hotel room.





25m

uniform form of the shade



### Better functionality with IoT

The lamp can work with intelligent IoT modules, which additionally allow you to optimize the level and volume of light it delivers uniform form of the shade  musi być uniform version of the diffuser.



### Easy exchange

The modularity of the lamp allows you to replace electronic components such as the LED module, the power supply and the lampshade.



### Convenient installation

Convenient plastic clips connecting the LED lighting module to the aluminum profile of the lamp.



### Dedicated universal shade

The dedicated flexible edge of the diffuser  allows for IP44 protection and up to 25 meters of uniform length of the diffuser.

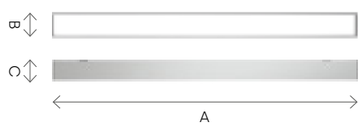


# Baris 52 LED

IP 44 | IK 06 | lm/W 135

| | |
|---|---|
| rated power [W] | 18 - 150 |
| luminous flux [lm] | 1750 - 9600 |
| mounting version | suspended, surface-mounted |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1143-5623/52/69 |

- Creating light lines up to 6 m in length without profile connectors and up to 25 m without connecting of the diffuser
- Replacement of components is possible thanks to modularity
- Flexibility in choosing the diffuser type, color, length (every 14 cm)
- Available versions with a raster limiting the degree of glare UGR<19






The use of a suspended version of the Baris 52 LED lamp in the conference room.







# Baris 52 LED X/T/L/V

IP 20 | IK 03 | lm/W 133

| | |
|---|---|
| rated power [W] | 18 - 37 |
| luminous flux [lm] | 2400 - 4575 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM, UGR |
| dimensions [mm] | in the detail tab |

- Lightweight aluminium body
- Equipped with integrated electronics and diffuser
- Universal solution: for surface-mounted and suspended installation
- Unusual possibilities of configuring light lines

The use of a suspended version of the Baris 52 LED lamp and linear connectors in a restaurant.

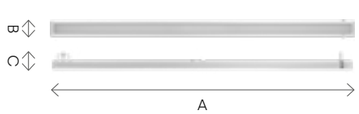


# Baris 52 LED P GK

IP 44/20 | IK 03 | lm/W 133

| | |
|---|---|
| rated power [W] | 9 - 74 |
| luminous flux [lm] | 1200 - 9150 |
| mounting version | flush-mounted in GK ceilings |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, UGR, PRM |
| dimensions [mm] | 586/69/37, 1145/69/37, 1425/69/37, 2265/69/37 |

- Replacement of components is possible thanks to modularity
- Flexibility in choosing the diffuser type, color, length (every 14 cm)
- Available versions with a raster limiting the degree of glare UGR<19
- Lamp profile height only 37 mm
- lightweight aluminium body






The use of a recessed mounted version of the Baris 52 LED lamp in an open space office



# Baris 52 LED Single

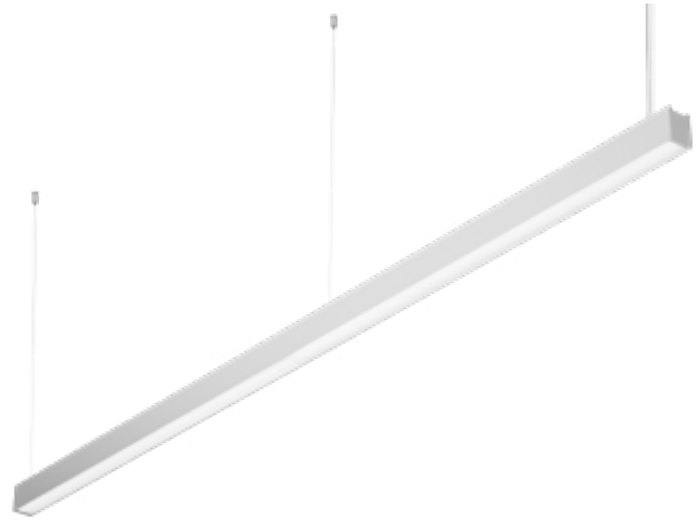
IP 44 | IK 06 | lm/W 157

| | |
|---|---|
| rated power [W] | 22 - 100 |
| luminous flux [lm] | 3450 - 15500 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 583, 1143, 1423, 2263/52/69 |

- Cooperation with intelligent IoT modules
- Modularity and removability of the lamp
- Ergonomic suspension system
- High IP protection coefficient





# Baris 52 LED D/I Single

IP 44 | IK 06 | lm/W 128

| | |
|---|---|
| rated power [W] | 44 - 88 |
| luminous flux [lm] | 5550 - 11075 |
| mounting version | suspended |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1143, 1423, 2263/52/69 |

- Cooperation with intelligent IoT modules
- Intermediate light version available
- Modularity and removability of the lamp
- Ergonomic suspension system
- High IP protection coefficient







# Baris 52 LED Single L,X,T

| IP | IK | lm/W |
|---|---|---|
| 20 | 03 | 139 |

| | |
|---|---|
| rated power [W] | 18 - 30 |
| luminous flux [lm] | 2400 - 3975 |
| mounting version | suspended |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 575/575/52, 590/575/52, 590/590/52 |

- Aluminium body in grey, white or black
- Two shades to choose from: prismatic (PRM) or opalescent
- Replaceable LED, power supply and shade, IoT compliant
- 1.2m suspension system with can and adjustment included.

Visualization of the use of Baris 52 LED Single X luminaire. Generated using AI.

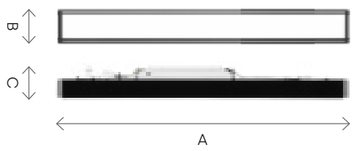


# Baris 52 LED P SM

IP 44/20 | IK 03 | lm/W 131

| | |
|---|---|
| rated power [W] | 9 - 45 |
| luminous flux [lm] | 1100 - 5775 |
| mounting version | flush-mounted in modular ceilings |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1193/69/60, 1793/69/60, 593/69/60 |

- Sturdy housing made of aluminum
- Diffuser: OPAL (soft light) or PRM (glare reduction)
- A complete mounting system for quick and easy installation in modular ceilings.
- High light uniformity SDCM ≤3
- Low weight






Application of the Baris 52 LED lamp in the version for modular ceilings



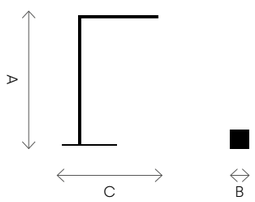


# Baris Stand

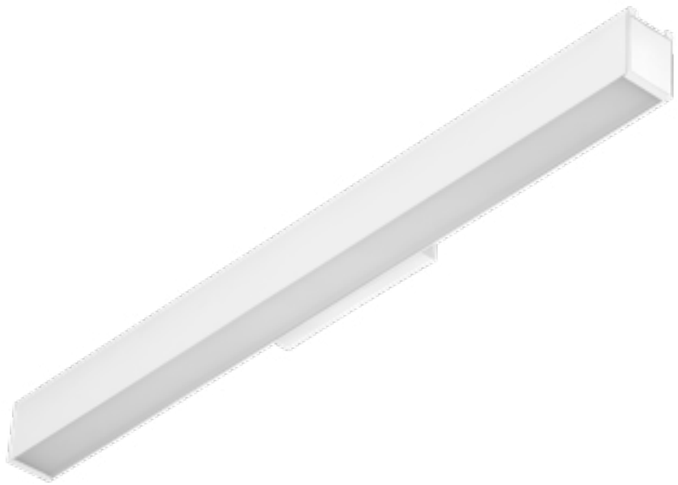
| IP | IK | lm/W |
|---|---|---|
| 20 | 03 | 125 |

| | |
|---|---|
| rated power [W] | 81 |
| luminous flux [lm] | 10150 - 10650 |
| mounting version | standing |
| body material | aluminum |
| body color | ■□ |
| optics material | PC |
| type of optics | lens |
| dimensions [mm] | 2108/51/1325 |

- Temperature 2700 - 6500K
- Two-zone lighting with automatic adjustment of lighting intensity
- Mobile design ideal for dynamic office spaces
- Motion and light sensors optimize energy consumption




Visualization of the use of the Baris Stand luminaire

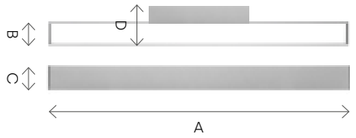


# Baris 52 LED Wall Lamp

| IP | IK | lm/W |
|---|---|---|
| 44 | 06 | 129 |

| | |
|---|---|
| rated power [W] | 13 - 26 |
| luminous flux [lm] | 1575 - 3350 |
| mounting version | Wall-mounted |
| body material | aluminum |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 864/52/69/82 |

- Available DIR/IND versions provide two-way light distribution up/down in the ratio of 65/35
- Ingress protection (IP):
- Elegant, minimalist design
- Prestigious design
- Sturdy structure






Use of Baris 52 LED Wall Lamp in a Museum



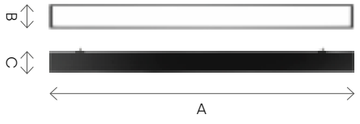


# Baris 55 LED

| IP | IK | lm/W |
|---|---|---|
| 20 | 06 | 142 |

| | |
|---|---|
| rated power [W] | 15 - 48 |
| luminous flux [lm] | 1975 - 5475 (3000 K)<br>2125 - 5900 (4000 K) |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ □ |
| diffuser material | PS |
| diffuser type | OPAL |
| dimensions [mm] | 1209/70/55 |

- MULTIWAT technology that allows for flexible adjustment of power and luminous flux
- A diffuser that ensures even, soft light distribution
- A minimalist linear profile that highlights the modern character of the interior
- A durable design built to last for many years of use




Applications for the suspended version of the Baris 55 LED lamp

# LIGHTING AS A CREATOR OF BRAND IMAGE AND IDENTITY




## Brand identity

Lighting emphasizes the brand image and is intended to enliven the aspects identifying it that the customer can experience in the store.

## Strengthening the message

Personalized lighting helps to identify the selected store surface with a specific company and its values.This consistency and integrity of the image builds a sense of security, so important for making a purchase decision.

## Custom

The purpose of building the image is achieved by adjusting the luminaires: it is possible to use colors that perfectly match the corporate colors of the brand. Even placing the logotype on the frame can strengthen the image and brand message.



Jakub Garstkiewicz
designer

The EXPO spotlight was developed in response to evolving user needs. Its functional design and interchangeable rings with a dynamic form enable the creation of diverse lighting arrangements while enhancing the ergonomics and distinctive character of the luminaire.

The modular lighting system retains its utilitarian nature while offering extensive customization options, including a wide range of colour finishes and accessories produced using 3D printing for bespoke projects.

EXPO combines functionality with design flexibility — from multiple lighting configurations to a versatile and easily customizable form.

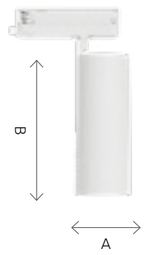


# Expo Modular

IP 20 | IK 03 | lm/W 150

| | |
|---|---|
| rated power [W] | 12 - 35 |
| luminous flux [lm] | 1550 - 4850 |
| mounting version | for busbar, surface-mounted |
| body material | powder coated steel sheet |
| body color | RAL |
| diffuser material | PC |
| diffuser type | lens matrix or a reflector |
| dimensions [mm] | ø82/178, ø82/184, ø82/210 |

- Compatible with Shop System T and Linea S
- Possibility of mounting as an individual luminaire
- Personalization in relation to the beam angle and color temperature
- Customizable with additional accessories
- Dedicated diodes for specialist applications (food, clothing)









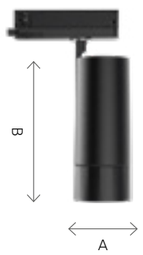



# Expo Modular HR

IP 20 | IK 03 | lm/W 121

| | |
|---|---|
| rated power [W] | 12 - 35 |
| luminous flux [lm] | 1250 - 3950 |
| mounting version | for busbar, surface-mounted |
| body material | aluminum, zinc alloy |
| body color | ■ ■ □ |
| diffuser material | aluminum reflector |
| diffuser type | lens matrix or a reflector |
| dimensions [mm] | 284/167/ø84, 268/202/ø82 |

- HR optical system for precise light control
- Highlighting details and displayed products
- Two beam angles to facilitate light distribution selection
- A solution for stores, shopping malls and exhibition spaces








# Expo Modular Zoom

IP 20 | IK 03 | lm/W 129

| | |
|---|---|
| rated power [W] | 12 - 35 |
| luminous flux [lm] | 1500 - 3950 |
| mounting version | for busbar, surface-mounted |
| body material | aluminum, zinc alloy |
| body color | ■ ■ □ |
| diffuser material | aluminum reflector |
| diffuser type | lens matrix or a reflector |
| dimensions [mm] | 258/167/ø84, 258/240/ø84, 235/202/ø82 |

- Adjustable beam angle of 18–370, allowing you to change the beam width
- Flexible lighting adjustment to suit the size of the display
- Precise highlighting of products and display elements





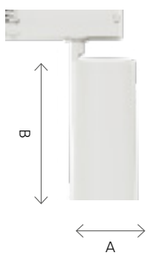


# Expo Optima

IP 20 | IK 03

| | |
|---|---|
| rated power [W] | 11 - 37 |
| luminous flux [lm] | 1550 - 4950 |
| mounting version | for busbar, surface-mounted |
| body material | aluminium |
| body color | ■ ■ □ |
| diffuser material | PC |
| diffuser type | reflector |
| dimensions [mm] | ø84/180 |

- A compact design for modern commercial spaces
- Precise light direction toward selected areas
- Versatile application vin display lighting




Visualization of the Expo Optima Application. Generated using AI.

# TERRANO FAMILY

The Terrano family of luminaires is a modern range of linear LED fittings designed for modular ceilings and busbar systems, distinguished by quick installation without the need to interfere with the ceiling structure.

Thanks to the use of precision lenses, the luminaires provide a low level of glare (UGR 12–19), ensuring visual comfort in both work and everyday environments. The availability of two colour temperatures (3000 K and 4000 K) and two colour finishes (white and black) allows the luminaires to be matched to a variety of interiors. The Terrano S and S/R models offer adjustable rotation, enabling directional and creative lighting arrangements.



## Terrano

| | |
|---|---|
| installation | modular ceiling (600x600) |
| application | • Off<br>• commercial spaces |
| Highlights | • lightning-fast and tool-free assembly<br>• low glare<br>• the possibility of creating a composition of figures |



## Terrano P

| | |
|---|---|
| installation | Flush-mounted |
| application | • universal<br>• office interiors<br>• Circulation |
| Highlights | • low glare<br>• the low weight,<br>• Compact dimensions |



## Terrano R

| | |
|---|---|
| installation | modular ceiling |
| application | • Off<br>commercial premises |
| Highlights | • low glare<br>• Quick installation<br>• rotating light system in the range up to 45° |



## Terrano S

| | |
|---|---|
| installation | busbars |
| application | • Off<br>• brick and mortar<br>• Circulation |
| Highlights | • low glare<br>• quick installation in busbars<br>• Metal body |



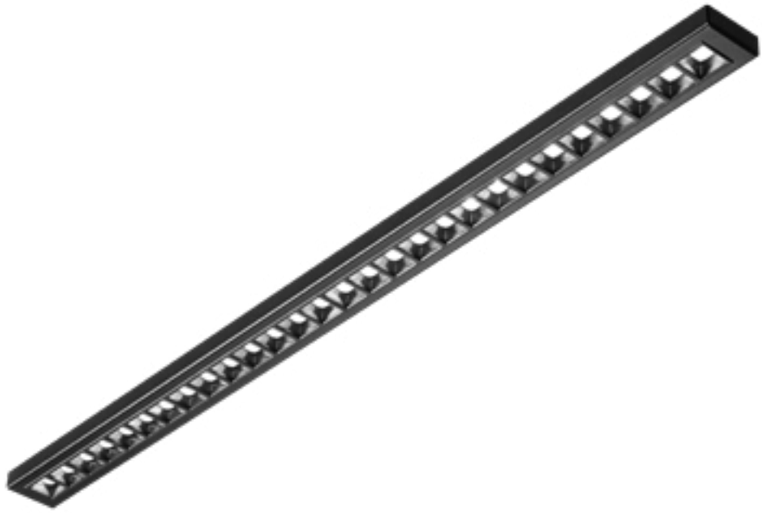
## Terrano S /R

| | |
|---|---|
| installation | busbars |
| application | • Off<br>• brick and mortar<br>• Circulation |
| Highlights | • version with a length of 630mm allows 360° rotation around its own axis and rotation of the light system by 45°<br>• version with a length of 1180mm allows the light system to rotate by 45° |



## Terrano S /R Duo

| | |
|---|---|
| installation | busbars |
| application | • Open space<br>• corridors |
| Highlights | • in versions with a length of 630 mm and 1180 mm, both lighting modules can be rotated independently by 45° |

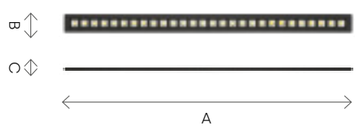


# Terrano

IP 20 | IK 03 | lm/W 158

| | |
|---|---|
| rated power [W] | 9 - 45 |
| luminous flux [lm] | 1050 - 6300 |
| mounting version | surface-mounted for modular ceiling profiles |
| body material | steel chromium plated |
| body color | ■ □ |
| diffuser material | PC |
| diffuser type | Raster |
| dimensions [mm] | 568/33/17 |

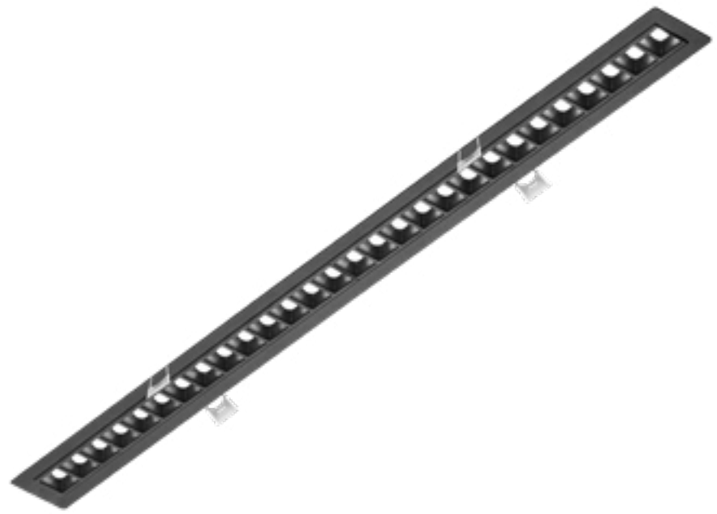
- Lightning-fast and tool-free assembly
- Very low glare coefficient UGR in the range of 12 - 19
- Possibility to create compositions of light figures
- Low weight
- Compact dimensions






Application of the Terrano system in the office.



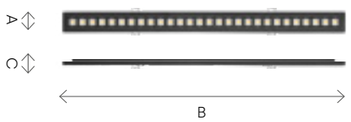


# Terrano P

| IP | IK | lm/W |
|---|---|---|
| 20 | 03 | 158 |

| | |
|---|---|
| rated power [W] | 9 - 43 |
| luminous flux [lm] | 1050 - 6300 |
| mounting version | flush-mounted in modular ceilings |
| body material | powder coated steel sheet |
| body color | ■ □ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 566/40/34, 1117/40/34 |

- Very low UGR betwen 12-19
- Quick installation



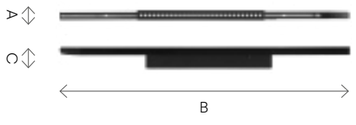


# Terrano S

IP 20 | IK 03 | lm/W 158

| | |
|---|---|
| rated power [W] | 9 - 45 |
| luminous flux [lm] | 1050 - 6300 |
| mounting version | busbar-mounted |
| body material | powder coated steel sheet |
| body color | ■ □ |
| diffuser material | PC |
| diffuser type | lenticular arrays |
| dimensions [mm] | 48/566/69, 48/1117/69 |

- Very low UGR between 12-19
- Quick installation
- Metal body
- Busbar system compatibility






Terrano S corridor lighting

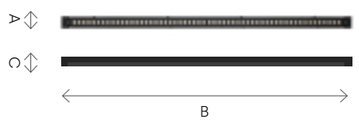


# Terrano R

IP 20 | IK 03 | lm/W 158

| | |
|---|---|
| rated power [W] | 23 - 43 |
| luminous flux [lm] | 3000 - 6300 |
| mounting version | flush-mounted in modular ceilings |
| body material | powder coated steel sheet |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | lenticular arrays |
| dimensions [mm] | 1180/46/55 |

- Very low UGR between 12-19
- Quick installation
- Rotating light system up to 45°





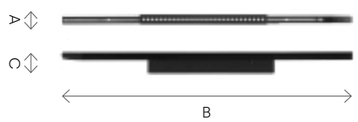



# Terrano S/R

IP 20 | IK 03 | lm/W 158

| | |
|---|---|
| rated power [W] | 9 - 45 |
| luminous flux [lm] | 1050 - 6300 |
| mounting version | flush-mounted in modular ceilings |
| body material | powder coated steel sheet |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | lenticular arrays |
| dimensions [mm] | 48/1180/85, 48/630/85 |

- Very low UGR between 12-19
- Quick installation
- The 630mm long version allows 360° rotation around its own axis and 45° rotation of the light system
- The 1180mm long version allows the light system to rotate by 45°



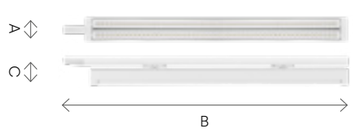


# Terrano S/R Duo

IP 44 | IK 03 | lm/W 156

| | |
|---|---|
| rated power [W] | 23 - 71 |
| luminous flux [lm] | 3000 - 10100 |
| mounting version | the busbar |
| body material | powder coated steel sheet |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 630/98/85, 1180/98/85 |

- Very low UGR betwen 12-19
- Quick installation
- In versions with a length of 630 mm and 1180 mm, both lighting systems can be rotated independently by 45°






Application of the Terrano S/R duo system



# Piatto LED 340

| IP | IK | lm/W |
|---|---|---|
| 20 | 03 | 60 |

| | |
|---|---|
| rated power [W] | 9 |
| luminous flux [lm] | 520, 560 |
| mounting version | suspended |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø340/280 |

- Elegant design
- Decorative style
- Minimalist design
- Fashionable colour combinations



A B



Piatto LED 340 lamps in the hospital canteen



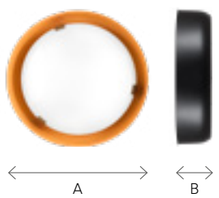


# Piatto LED 610

IP 20 | IK 03 | lm/W 76

| | |
|---|---|
| rated power [W] | 28 - 45 |
| luminous flux [lm] | 2050 - 3200 |
| mounting version | surface-mounted, suspended |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | ø610/150 |

- Elegant design
- Decorative style
- Minimalist design
- Fashionable colour combinations





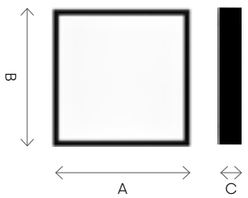



# Madera Altus LED Evo

IP 20 | IK 07 | lm/W 115

| | |
|---|---|
| rated power [W] | 50, 88 |
| luminous flux [lm] | 4650 - 8700 |
| mounting version | suspended |
| body material | aluminum, powder-coated steel |
| body color | |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | 900/900/120 |

- Large size:
  900mm x 900mm
- High luminous efficacy
- Robust metal body
- Soft Light
- Available in three colours: black, grey and white.



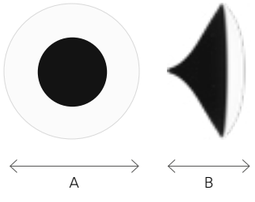


# Capella LED Plus Z

IP 20 | IK 07 | lm/W 103

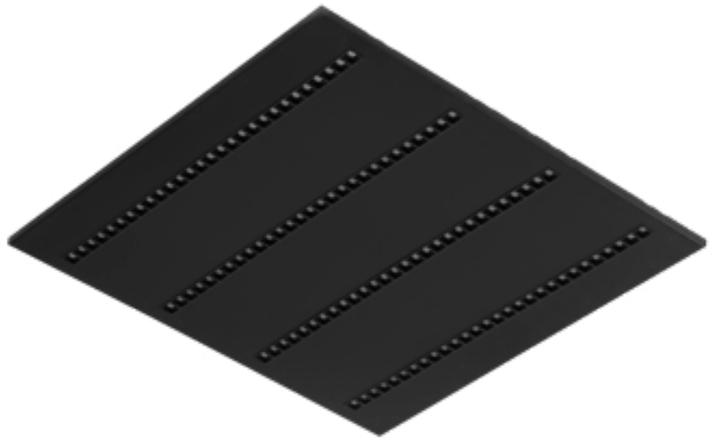
| | |
|---|---|
| rated power [W] | 11 - 15 |
| luminous flux [lm] | 950 - 1650 |
| mounting version | suspended |
| body material | ABS System |
| body color | ■■□ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø320/177 |

- High impact and ingress protection
- SBV (high beam control)
- High aesthetic value
- Branded components
- Compatibility with IoT components






Application of Capella LED Plus lamps

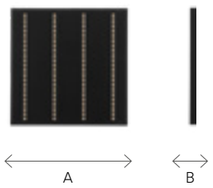


# Terra 3 LED

IP 20 | IK 03 | lm/W 157

| | |
|---|---|
| rated power [W] | 14 - 56 |
| luminous flux [lm] | 1800 - 8600 |
| mounting version | flush-mounted, suspended, surface-mounted |
| body material | powder coated steel |
| body color | ■□ |
| diffuser material | lens |
| diffuser type | HE louvre |
| dimensions [mm] | 595/295/32, 595/595/32, 1195/295/32 |

- Robust metal body
- High impact resistance
- Glare-limiting louvres at optimal UGR levels, even at high luminous flux levels
- High degree of light uniformity SDCM ≤3
- Multitude of versions available in different sizes, colours, power and mounting options





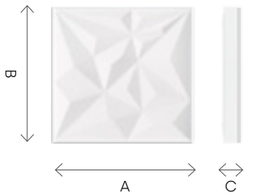



# Tripact LED

IP 40/20 | IK 07 | lm/W 100

| | |
|---|---|
| rated power [W] | 24 - 60 |
| luminous flux [lm] | 2300 - 6000 |
| mounting version | Flush-mounted |
| body material | ABS System |
| body color | □ |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | 595/595/93 |

- Available versions with round and square profile of the shade
- Decorative lampshade
- Ceiling and wall mounting possible
- For mounting in modular ceilings
- Low weight
- Proven solution based on Compact LED lamp



# MINI MALISTIC DESIGN

Terraco is a lamp with a modernist design distinguished by an interesting minimalist design.

The steel body of the lamp is available in four colors: silver, graphite, white and black. The multitude of versions with different illuminating surfaces allows it to be used in various places and in different ways: vertically and horizontally. Mounted on the facade of the building, it can shine down, down, up and sideways. There is also a version with an asymmetrical housing, from which light falls on the surface at an angle. The lamp is characterized by a high IP54 tightness coefficient. It is intended for surface mounting.

Terraco will be especially useful as external facade lighting, lighting of terraces and balconies. Small dimensions increase the range of applications - it can illuminate recesses or hard-to-reach places. Terraco lamps can also be used in the interiors of buildings and placed in various ways on the wall to provide interesting lighting arrangements. The lamp allows you to implement a large number of interesting lighting concepts. It is used to illuminate contemporary architecture.



06 different version

DIR

DIR

FRONT

SIDE

SIDE DIR/IND

ASYMMETRICAL HOUSING

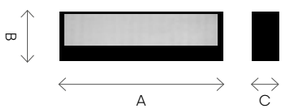


# Terraco LED

| IP | IK | lm/W |
|---|---|---|
| 54 | 04 | 133 |

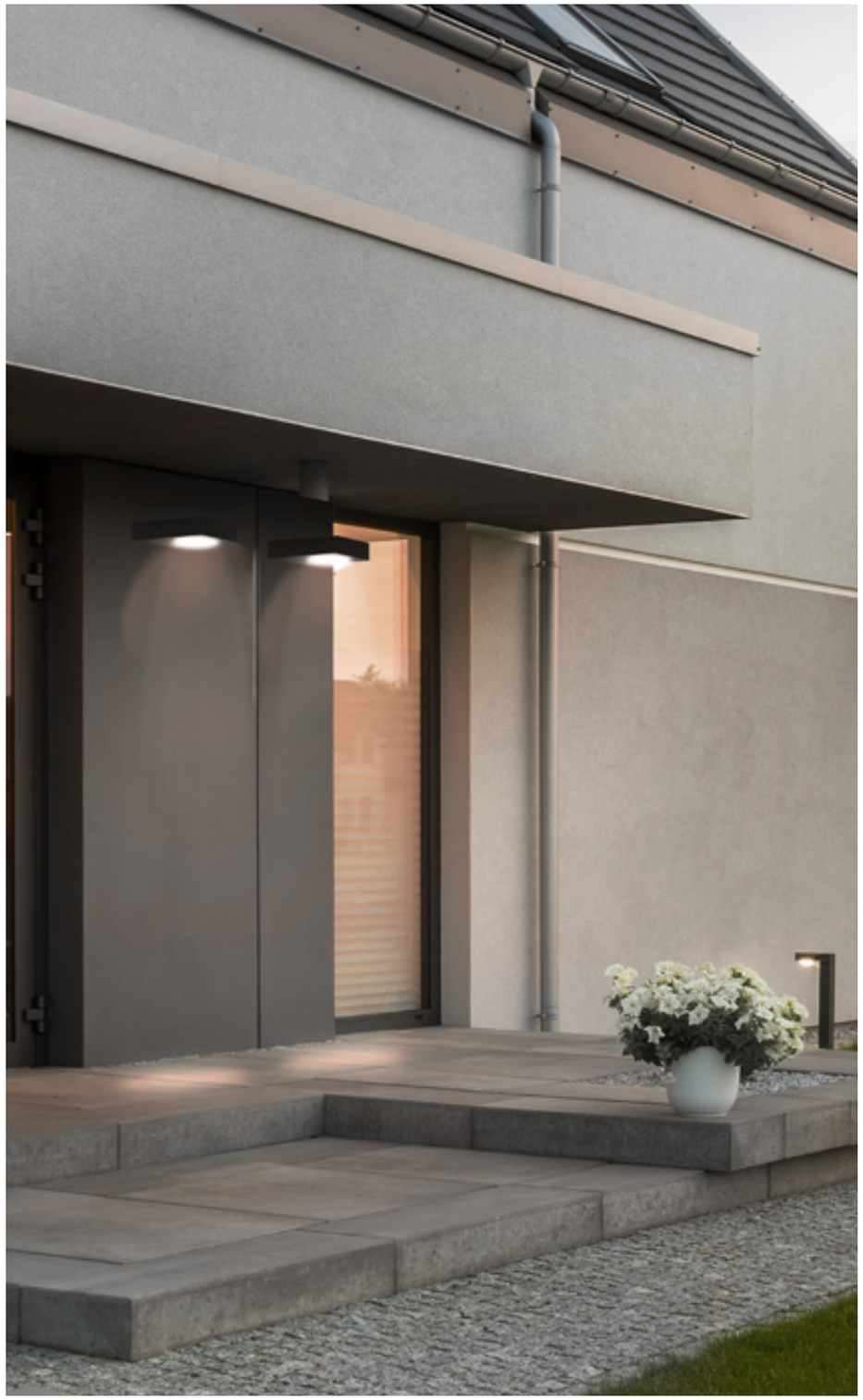
| | |
|---|---|
| rated power [W] | 8 - 17 |
| luminous flux [lm] | 250 - 1600 |
| mounting version | surface-mounted |
| body material | aluminum |
| body color | ■ ■ ■ □ |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | 260/110/100 |

- The multitude of versions with different illuminating surfaces allows it to be used in various places and in different ways: vertically and horizontally
- Small dimensions increase the range of its applications - it can illuminate recesses or hard-to-reach places






Terraco LED luminaire on the facade of the building



Altezzo L 100 K lighting on the facade of the building

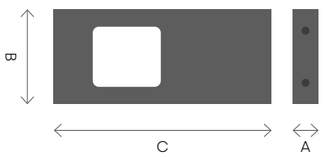


# Altezzo L 100 K

| IP | IK | lm/W |
|---|---|---|
| 65 | 08 | 130 |

| | |
|---|---|
| rated power [W] | 5 |
| luminous flux [lm] | 600 - 650 |
| mounting version | on the facade |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 40/100/250 |

- The lamps are designed to work in very low and high temperatures from -30˚C to +50 ˚C and in difficult weather conditions
- No light pollution effect



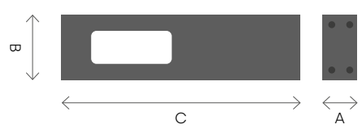


# Altezzo L 150 K

| | |
|---|---|
| rated power [W] | 40 |
| luminous flux [lm] | 4600 - 5200 |
| mounting version | on the facade |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 40/100/250 |

| IP | IK | lm/W |
|---|---|---|
| 65 | 08 | 130 |

- The lamps are designed to work in very low and high temperatures from -30˚C to +50 ˚C and in difficult weather conditions
- No light pollution effect

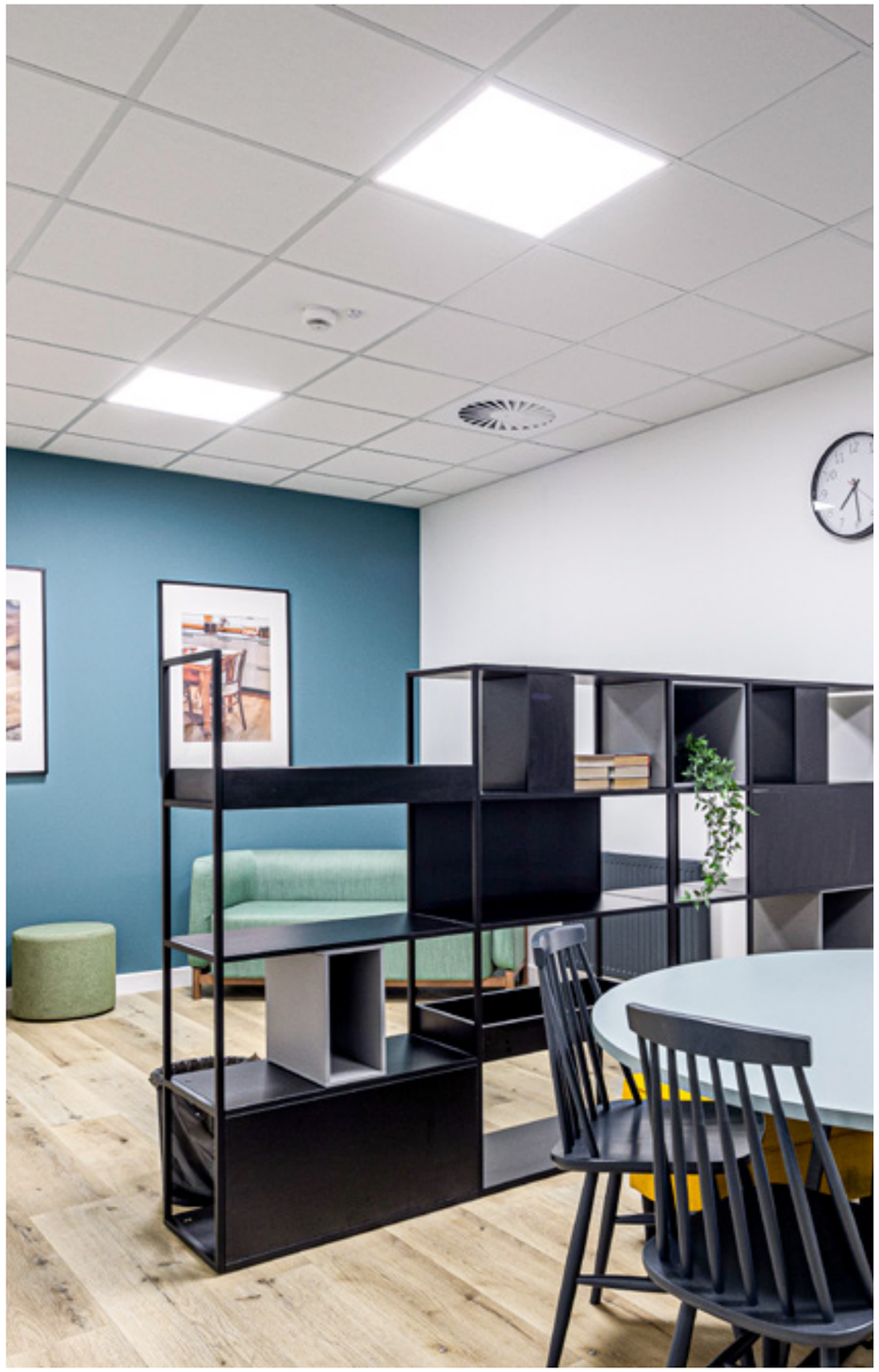





Altezzo L 150 K lighting on the facade of the building



# INVESTMENT LIGHTING/ TROFFERS



Application of SQ 600 LED luminaires

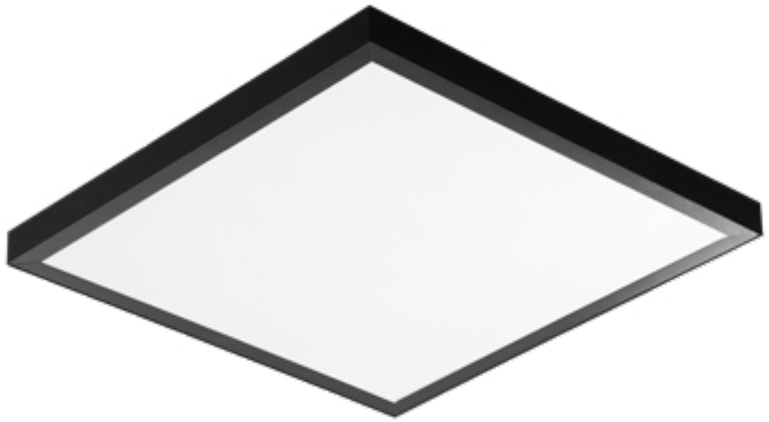
# ONE FAMILY, DIFFE-RENT PARAMETERS

SQ 600 LED is a modern line of surface-mounted lamps designed from scratch, recommended especially for office rooms, spacious corridors and public spaces.

A special lens system ensures a homogeneous glow effect and uniform illumination of the lens surface. The use of a prismatic lampshade allows to reduce the glare effect. The great advantage of the SQ 600 LED is its ease of installation and servicing. The low weight and the shade latching system ensure that the lamp is installED efficiently and quickly, without the use of specialized tools.



The SQ 300 LED is a new line of square ceilings that can be used in smaller rooms and corridors. The body made of plastic affects the low weight and high impact resistance (IK08). The PS polystyrene lampshade guarantees excellent lighting properties. A special lens system ensures a homogeneous glow effect and uniform illumination of the lens surface. The SQ 300 LED lamp is available in versions with an RCR motion sensor and DALI DIMM control.



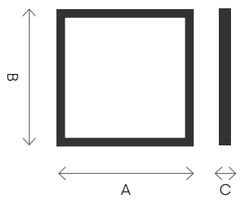
# SQ 600 LED

IP
44/20

lm/W
151

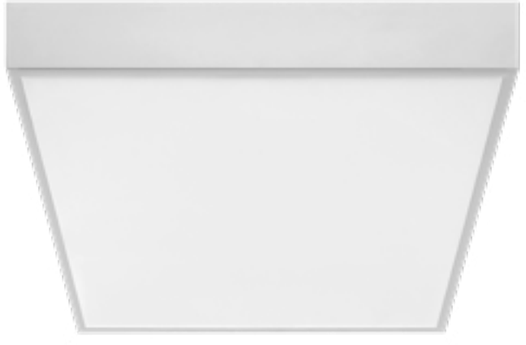
| | |
|---|---|
| rated power [W] | 18 - 73 |
| luminous flux [lm] | 2650 - 10900 |
| mounting version | flush-mounted, flush-mounted |
| body material | ABS System |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 592/592/44 |

- Low weight
- Quick and easy installation
- Versatility (flush-mounted version in modular ceilings)
- Glare-reducing raster






Application of the SQ 600 LED lamp

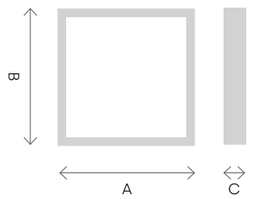


# SQ 300 LED Evo Plus

IP 54 | IK 08 | lm/W 112

| | |
|---|---|
| rated power [W] | 13 - 31 |
| luminous flux [lm] | 1350 - 3100 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | Opal |
| dimensions [mm] | 300/300/58 |

- Square ceiling light with integrated LED module
- Versions available with RCR motion sensor
- Optional DALI DIMM control
- Lightweight and energy-efficient LED technology





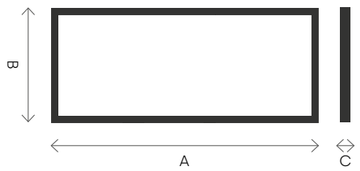


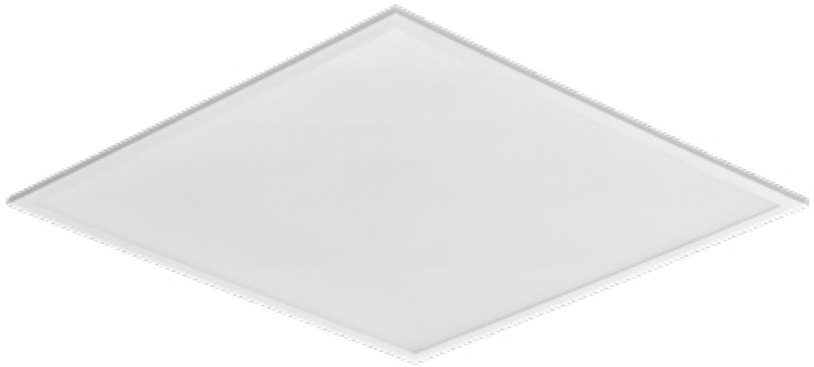

# SQ 1200 LED

IP 44/20 | lm/W 151

| | |
|---|---|
| rated power [W] | 25 - 58 |
| luminous flux [lm] | 2900 - 7500 |
| mounting version | flush-mounted, flush-mounted |
| body material | ABS System |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 1190/290/46 |

- Low weight
- Quick and easy installation
- Versatility (flush-mounted version in modular ceilings)
- Glare-reducing raster



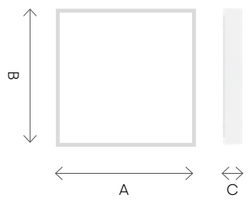


# Contra Plus LED

IP 44/20 | IK 04 | lm/W 163

| | |
|---|---|
| rated power [W] | 24 - 36 |
| luminous flux [lm] | 3500 - 5850 |
| mounting version | flush-mounted, flush-mounted, suspended |
| body material | coated aluminium |
| body color | ☐ |
| diffuser material | PS |
| diffuser type | PRM, MAT |
| dimensions [mm] | 1195/295/30, 595/595/30 |

- Low, slim profile and sleek look
- Adapted for flush mounting in modular ceilings, surface-mounted or suspended with the use of an additional frame (available as an accessory)
- Light diffusion

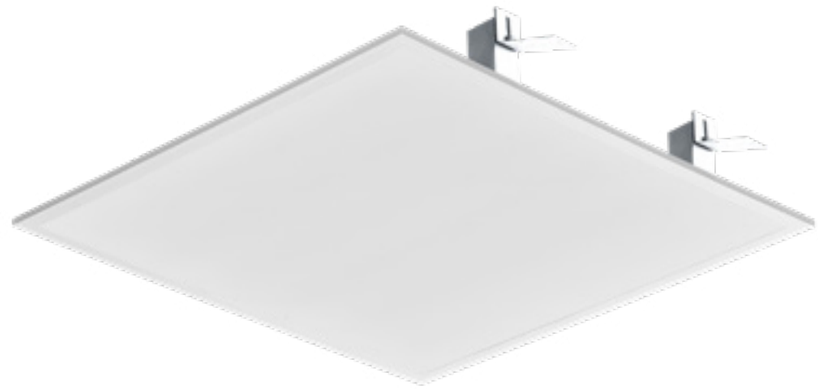





Application of Contra 2 LED lamp



Visualization of the Contra II LED ZK Fixtures in Use. Generated using AI.

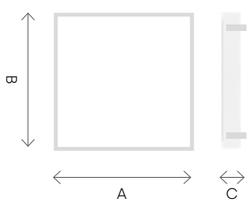


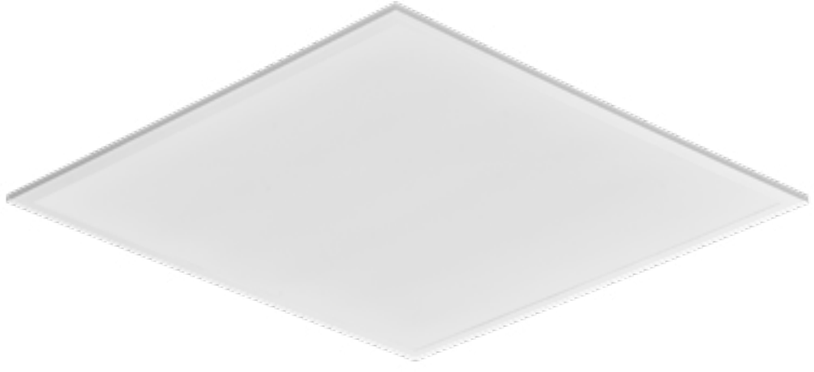
# Contra II LED ZK

| IP | IK | lm/W |
|---|---|---|
| 40/20 | 04 | 163 |

| | |
|---|---|
| rated power [W] | 24 - 36 |
| luminous flux [lm] | 3500 - 5850 |
| mounting version | flush-mounted |
| body material | coated aluminium |
| body color | ☐ |
| diffuser material | PS |
| diffuser type | PRM, MAT |
| dimensions [mm] | 595/595/87 |

- High energy efficiency that reduces energy consumption
- A multi-layered diffuser that ensures even light distribution
- Designed for modular ceilings with a concealed support structure (ZK)



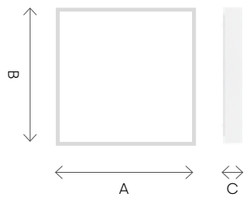


# Contra Plus LED

IP 44/20 | IK 03 | lm/W 138

| | |
|---|---|
| rated power [W] | 24 - 36 |
| luminous flux [lm] | 3200 - 5200 |
| mounting version | flush-mounted, flush-mounted, suspended |
| body material | coated aluminium |
| body color | □ |
| diffuser material | PMMA |
| diffuser type | PRM, MAT |
| dimensions [mm] | 595/595/39, 1195/295/39 |

- The MULTI version offers two light colors (3000K and 4000K) and 8 brightness levels in one LED panel thanks to the switch
- Integrated LED module – energy efficient, ideal as main light source
- Wide application: offices, hotels, schools, hospitals, shops, food industry and others





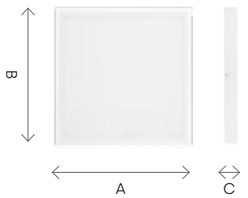



# Contra LED 400 Multi

IP 40 | IK 07 | lm/W 132

| | |
|---|---|
| rated power [W] | 21 - 32 |
| luminous flux [lm] | 2750 - 4200 |
| mounting version | Surface-mounted |
| body material | coated aluminium |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | MAT |
| dimensions [mm] | 400/400/39 |

- Slim and durable aluminium housing
- Opal lampshade PS provides even light
- Low-energy consumption
- 4 brightness levels thanks to built-in switch





# Vespo LED

IP 44 | IK 07 | lm/W 143

| | |
|---|---|
| rated power [W] | 17 - 71 |
| luminous flux [lm] | 2100 - 9800 |
| mounting version | surface-mounted |
| body material | steel chromium plated |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | PRM MAT, PRM |
| dimensions [mm] | 601/124/60, 1161/124/60, 1441/124/60 |

- SBV (high beam control)
- 3 lengths, solid steel body
- Impact-resistant lampshade
- Branded components
- Polish manufacturer - availability of spare parts






# Vector 3 LED

IP 40 | IK 07 | lm/W 118

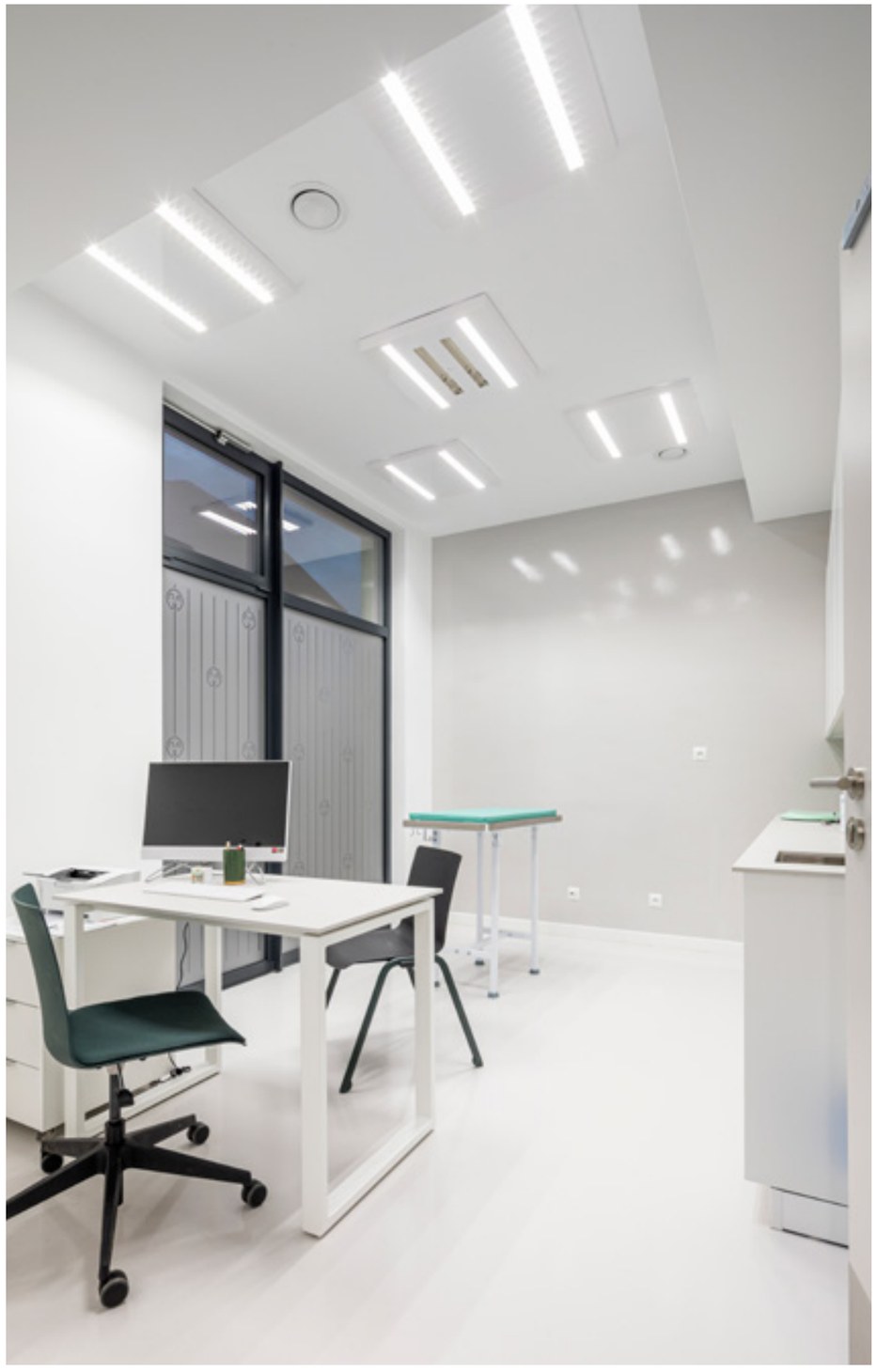
| | |
|---|---|
| rated power [W] | 16 - 60 |
| luminous flux [lm] | 1950 - 6900 |
| mounting version | surface-mounted |
| body material | steel chromium plated |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | PRM, MAT |
| dimensions [mm] | 601/124/60, 1161/124/60, 1441/124/60 |

- Multi version available with power and flux settings, and
- budget version of VD with sequential power supply
- Traditional design
- High light uniformity SDCM ≤3
- Matte evenly illuminated lampshade provides soft light
- 3 lengths, solid steel body





# INVESTMENT LIGHTING / MEDICAL



Application of SQ 600 LED luminaires

# WHITESPACE IS FAVORABLE FOR US EVERYONE

The climate and atmosphere of the interior depends on many factors. One of the most important is the light that can "change" the room. The color of the light and the size of the stream allows you to create an atmosphere of coziness or harshness. Light creates the interior and affects our well-being.

Patients choose the health facility that will provide them with the best care. We provide the best and most modern lighting that will increase the efficiency of the work of medical staff and create an atmosphere conducive to the convalescence of patients.

**Choosing our dedicated LED lamps:**

- Silver ions (2%) in the lamp limit the development of pathogens
- Energy efficiency translates into lower bills
- Increased staff efficiency and precision in laboratories
- Improving patient well-being and rehabilitation capacity
- Comfortable atmosphere for seniors – in sanatoriums, hospices and nursing homes

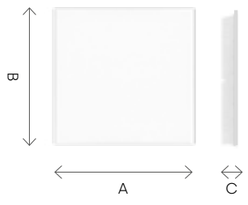


# Lumedic SM

IP 65 | IK 09 | lm/W 172

| | |
|---|---|
| rated power [W] | 22 - 86 |
| luminous flux [lm] | 2425 - 13275 |
| mounting version | flush-mounted |
| body material | powder-coated steel |
| body color | ☐ |
| diffuser material | tempered glass |
| diffuser type | Glass/PRM, Glass/OPAL |
| dimensions [mm] | 595/595/60 |

- Smooth, recessed design to minimize dirt accumulation
- Steel housing and sealed optics designed for rigorous cleaning procedures
- Servicing from the technical side without disturbing the clean area






Lumedic luminaires in hospital

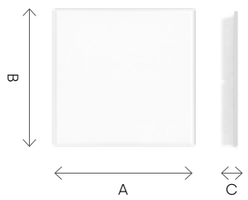


# Lumedic SMR

IP 65 | IK 09 | lm/W 165

| | |
|---|---|
| rated power [W] | 22 - 88 |
| luminous flux [lm] | 3075 - 13700 |
| mounting version | flush-mounted |
| body material | powder-coated steel |
| body color | ☐ |
| diffuser material | tempered glass |
| diffuser type | Glass/PRM, Glass/OPAL |
| dimensions [mm] | 595/595/65<br>295/1195/65<br>595/1195/65 |

- Recessed luminaire with frame providing an aesthetically pleasing and tight finish to the ceiling
- High ingress protection to protect against dust, moisture and disinfectants
- Design for quick service without interference into the room





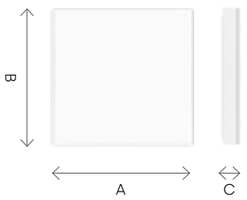



# Lumedic SWR

IP 65 | IK 09 | lm/W 165

| | |
|---|---|
| rated power [W] | 44 - 88 |
| luminous flux [lm] | 5350 - 13700 |
| mounting version | flush-mounted |
| body material | powder-coated steel |
| body color | ☐ |
| diffuser material | tempered glass |
| diffuser type | Glass/PRM, Glass/OPAL |
| dimensions [mm] | 595/595/65<br>295/1195/65<br>595/1195/65 |

- Surface mount for installation where ceiling space is lacking
- Robust housing and sealed closure resistant to intensive chemical cleaning
- Uniform illumination surface to promote comfort and hygiene

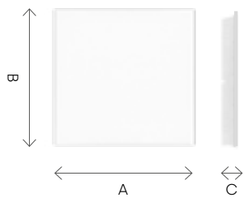


# Compact LED Hygienic

IP 65/44 | IK 07 | lm/W 130

| | |
|---|---|
| rated power [W] | 22 - 65 |
| luminous flux [lm] | 2700 - 7450 |
| mounting version | recessed, surface |
| body material | with silver ions |
| body color | ☐ |
| diffuser material | with silver ions |
| diffuser type | OPAL, PRM |
| dimensions [mm] | 595/595/71, 620/620/66 |

- Silver ions inhibit the development of pathogens
- BIOMASTER certificate
- Ingress protection (IP): clean room dehumidifier





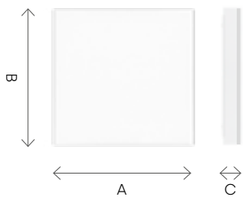



# Compact LED Evo IP65

IP 65 | IK 07 | lm/W 142

| | |
|---|---|
| rated power [W] | 24 - 60 |
| luminous flux [lm] | 2750 - 8100 |
| mounting version | recessed, surface |
| body material | ABS System |
| body color | ☐ |
| diffuser material | P.S. |
| diffuser type | Opal |
| dimensions [mm] | 595/595/71, 620/620/66 |

- Low weight
- Classic profile design
- High ingress protection

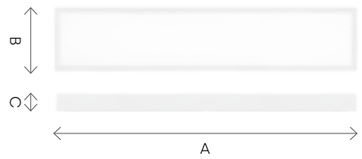


# Compact LED Evo 1200

IP 65 | IK 07 | lm/W 117

| | |
|---|---|
| rated power [W] | 25 - 58 |
| luminous flux [lm] | 2900 - 7000 |
| mounting version | suspended, surface-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | P.S. |
| diffuser type | Opal |
| dimensions [mm] | 1195/250/69 |

- Low weight
- Classic profile design
- High ingress protection






Compact LED Evo 1200 luminaires



# INVESTMENT LIGHTING / DOWNLIGHTS



# LESS IS MORE

The new line of energy-saving downlights RQ 100/160/200 and SQ 160/100 introduces modern solutions for excellent lighting parameters. Polish production is a guarantee of quality.

The classic shape and minimalist size allows you to use in different types of rooms, with different purposes and levels of representativeness. Downlights are available in three variants: with a matte, prismatic and iridescent shade. They allow for the right selection of the angle of incidence of light, and thus to obtain the right amount of light on a given surface.

Modern design, minimalist size and low weight allow them to be used, and thus create an atmosphere in any office space, in representative and spacious corridors, as well as in small rooms.



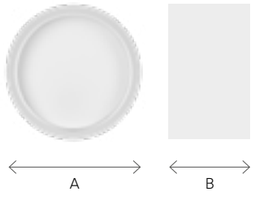


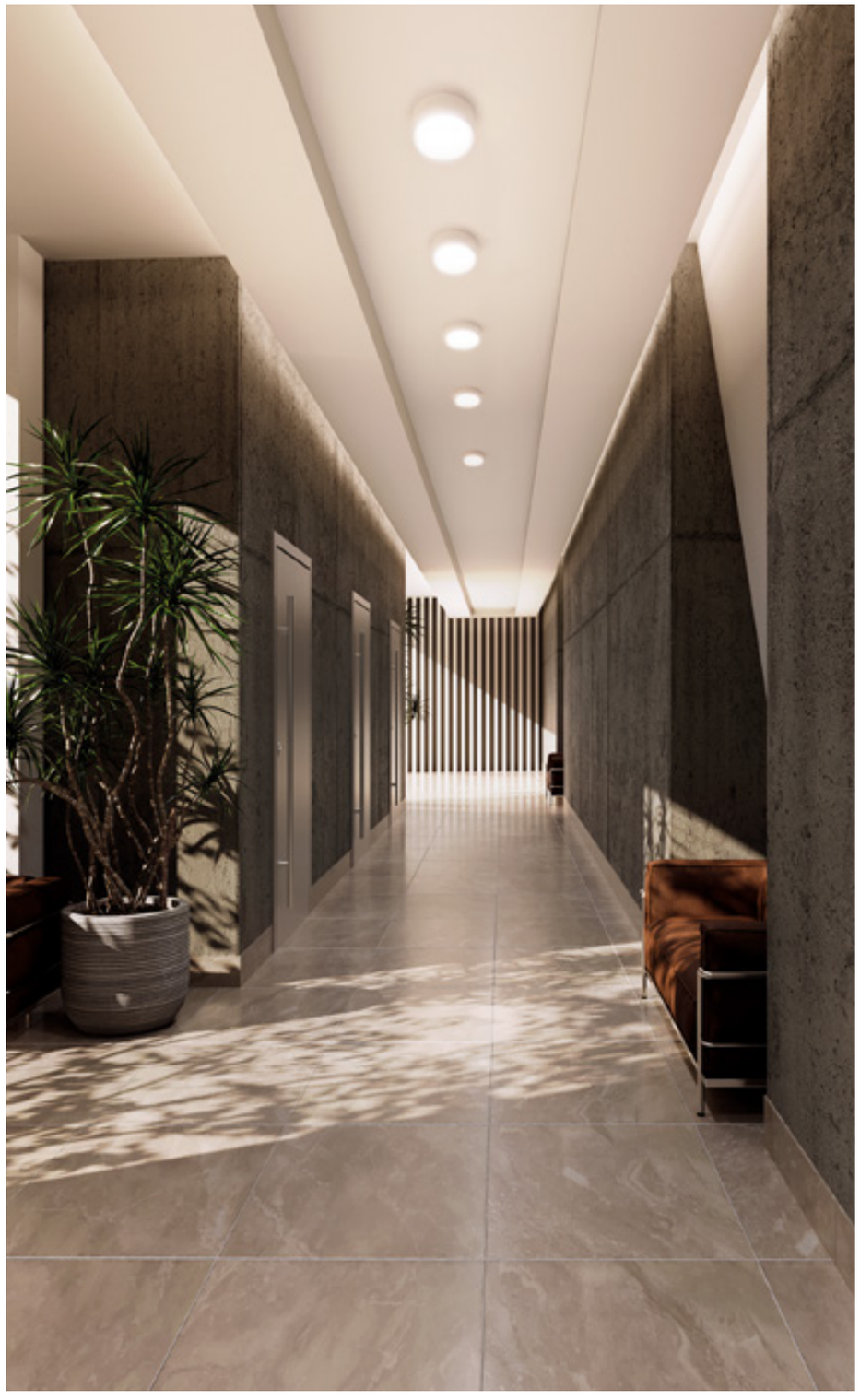
# RQ 220 LED N/P Plus

| IP | IK | lm/W |
|---|---|---|
| 44/20 | 07 | 138 |

| | |
|---|---|
| rated power [W] | 19 - 23 |
| luminous flux [lm] | 1800 - 3300 |
| mounting version | flush-mounted, flush-mounted |
| body material | ABS System |
| body color | □ |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | ø221/51, ø227/86 |

- Low weight
- Clip for ergonomic assembly
- Polish product
- 2 types of shade with different optics



Application of the RQ220 LED system in the lobby of the office building.

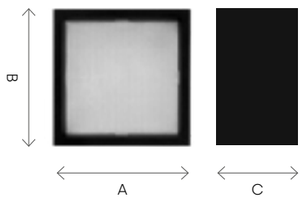


# SQ 160 LED Plus N

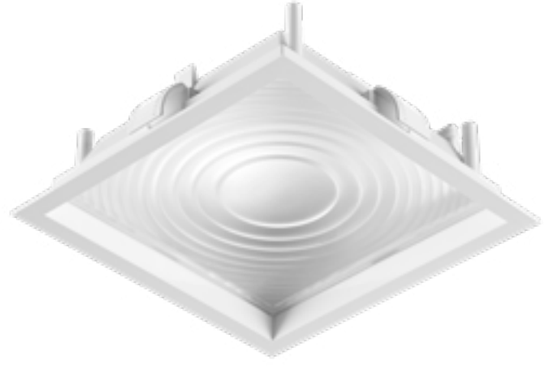
IP 33 | IK 08 | lm/W 117

| | |
|---|---|
| rated power [W] | 17 |
| luminous flux [lm] | 1700 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | MAT, PRM, OPAL |
| dimensions [mm] | 162/162/86 |

- Low weight
- 3 types of shade with different optics
- Polish product
- Uniform body (without additional surface-mounted cans)





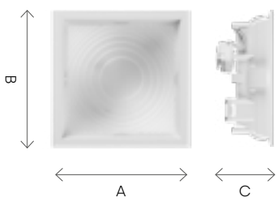



# SQ 160 LED Plus P

IP 44/20 | IK 08 | lm/W 132

| | |
|---|---|
| rated power [W] | 17 - 21 |
| luminous flux [lm] | 1700 - 2900 |
| mounting version | Flush-mounted |
| body material | ABS System |
| body color | □ |
| diffuser material | PC |
| diffuser type | MAT, PRM, OPAL |
| dimensions [mm] | 158/158/78 |

- Low weight
- Clip for ergonomic assembly
- Polish product
- Ingress protection (IP):
- 3 types of shade with different optics



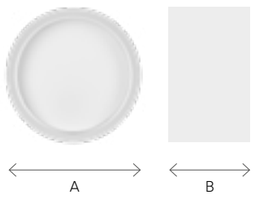


# RQ 160 LED Plus N

IP 44/33 | IK 08 | lm/W 117

| | |
|---|---|
| rated power [W] | 17 |
| luminous flux [lm] | 1700 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | MAT, PRM, OPAL |
| dimensions [mm] | Ø166/86, Ø171/97 |

- Low weight
- Uniform body (without additional surface-mounted cans)
- Polish product
- 3 types of shade with different optics





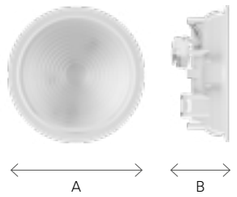


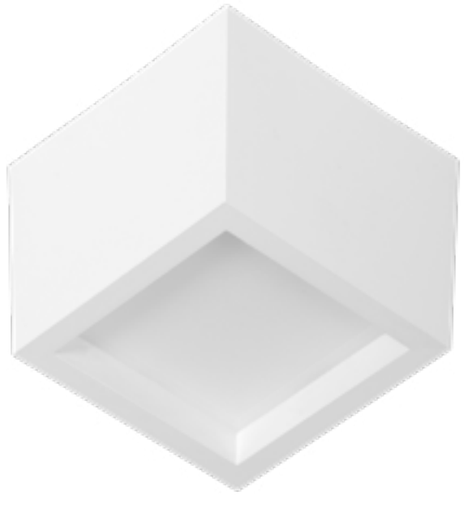

# RQ 160 LED Plus P

IP 44/20 | IK 08 | lm/W 132

| | |
|---|---|
| rated power [W] | 19, 22 |
| luminous flux [lm] | 1700 - 2900 |
| mounting version | Flush-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | MAT, PRM, OPAL |
| dimensions [mm] | ø162/70 |

- Low weight
- Clip for ergonomic assembly
- Polish product
- 3 types of shade with different optics



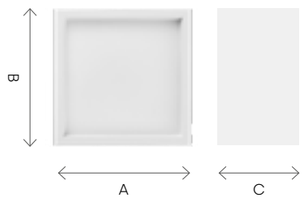


# SQ 100 LED Plus N

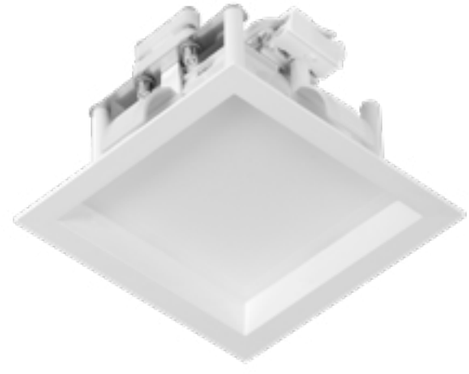
IP 33 | IK 08 | lm/W 102

| | |
|---|---|
| rated power [W] | 6 |
| luminous flux [lm] | 590 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 108/108/85 |

- Low weight
- homogeneous body (without additional surface-mounted cans)
- Polish product
- Compact, classic design





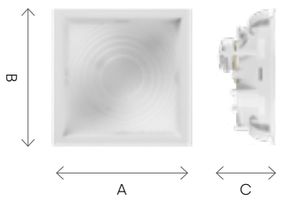



# SQ 100 LED Plus P

IP 44/20 | IK 08 | lm/W 102

| | |
|---|---|
| rated power [W] | 6 |
| luminous flux [lm] | 590 |
| mounting version | Flush-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 102/102/75 |

- Low weight
- Clip for ergonomic assembly
- Polish product
- Ingress protection (IP):
- Compact, classic design



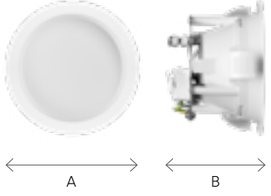


# RQ 100 LED Plus P

IP 44/20 | IK 08 | lm/W 102

| | |
|---|---|
| rated power [W] | 6 |
| luminous flux [lm] | 590 |
| mounting version | Flush-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | ø102/75 |

- Low weight
- Clip for ergonomic assembly
- Polish product
- 3 types of shade with different optics
- Compact, classic design






Application of the RQ 100 LED Plus P system



The use of DL 220 LED Evo luminaires

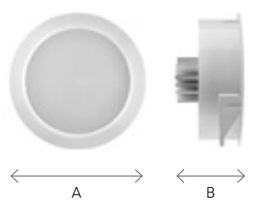


# DL 220 LED Evo

| IP | IK | lm/W |
|---|---|---|
| 65/20 | 08 | 130 |

| | |
|---|---|
| rated power [W] | 10 - 28 |
| luminous flux [lm] | 1350 - 3450 |
| mounting version | Flush-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | PRM, MAT |
| dimensions [mm] | Ø220/68 |

- High luminous efficacy
- High ingress protection
- Prismatic or matte lampshade
- easy to install;
- Impact strength
- Low weight



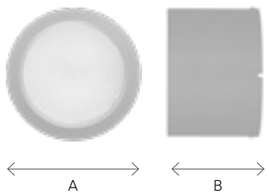


# DLN 220 LED Evo

IP 65 | IK 08 | lm/W 122

| | |
|---|---|
| rated power [W] | 10 - 28 |
| luminous flux [lm] | 1450 - 3450 |
| mounting version | surface-mounted |
| body material | steel chromium plated |
| body color | ■ ■ |
| diffuser material | PC |
| diffuser type | PRM, MAT |
| dimensions [mm] | ø220/140 |

- Heavy-duty metal housing
- High impact resistance
- High ingress protection
- Polish product





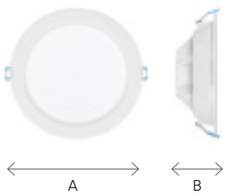



# Nectra LED Plus

IP 44 | IK 08 | lm/W 126

| | |
|---|---|
| rated power [W] | 5 - 25 |
| luminous flux [lm] | 500 - 3450 |
| mounting version | Flush-mounted |
| body material | PC, Aluminum |
| body color | ■ □ |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | ø121/67, ø170/69, ø222/70 |

- Ingress protection (IP):
- easy to install;
- Low weight
- Branded components with external power supply
- High adaptability tailored to your needs



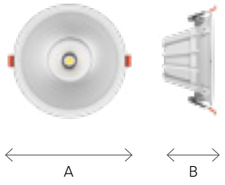


# Tiunne Plus 90/160/200

IP 65/20 | IK 08 | lm/W 120

| | |
|---|---|
| rated power [W] | 8 - 36 |
| luminous flux [lm] | 360 - 3800 |
| mounting version | Flush-mounted |
| body material | Aluminium (powder coated) |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | Ø215/108,5, Ø170/98, Ø96/73 |

- Low grade UGR<14
- Aluminum body to guarantee low cob temperature and thus its extended service life
- Distributions 15 and 60°
- Design suited to the interior. We have reflectors in white, black, metallic, satin. Custom-made reflectors painted in any RAL color






Tiunne Plus lamps in the conference room




# INVESTMENT LIGHTING/ WALL AND CEILING LUMINAIRES

# LIGHT THAT WORKS FOR YOU

Dione LED is a new generation luminaire, combining the highest standards of workmanship with thoughtful functionality. The subtle profile, solid materials, very High ingress protection and excellent light parameters make it both an aesthetic and practical solution. The line meets all electrical and lighting standards, and the high luminous flux allows you to reduce the number of luminaires needed in the space.

Thanks to innovations such as quick coupling, hanging lampshade or click-in assembly, installation and maintenance are quick and convenient. These are real savings already at the investment stage.

The Dione Plus LED Asymmetric version with asymmetric light distribution is ideal for illuminating selected zones, e.g. traffic routes, stairs or decorative elements. Directed light increases safety and gives designers full freedom in creating the atmosphere of interiors.



03 various versions

DIONE LED PLUS

High luminous efficacy and the highest quality of workmanship

DIONE LED PLUS MULTI

Adjustable power and luminous flux settings

DIONE LED PLUS ASYMMETRIC 5

Asymmetrical light distribution, conducive to the creation of accent lighting.

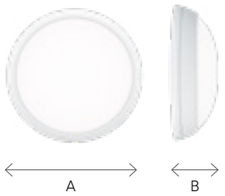


# Dione LED Plus

IP 65 | IK 10 | lm/W 133

| | |
|---|---|
| rated power [W] | 12 - 31 |
| luminous flux [lm] | 1350 - 3800 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø340/115 |

- Standard version available with anti-vandal protection
- Impact strength
- Very high degree of tightness
- high effectivenes
- Branded components





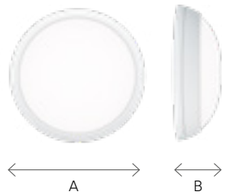



# Dione LED Plus Multi

IP 65 | IK 10 | lm/W 107

| | |
|---|---|
| rated power [W] | 15 - 26 |
| luminous flux [lm] | 1650 - 2650 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø340/115 |

- High impact resistance
- Very high degree of tightness
- Branded components
- high effectivenes
- Allows you to select one of three light settings (power and luminous flux)



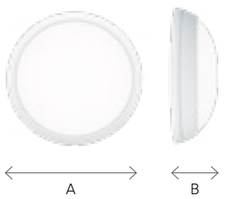


# Dione LED Plus Asym.

IP 65 | IK 10 | lm/W 105

| | |
|---|---|
| rated power [W] | 21, 32 |
| luminous flux [lm] | 2150 - 3200 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | white |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø340/115 |

- Multi version available with power and flux settings
- Impact strength
- High ingress protection
- high effectivenes
- Branded components
- Asymmetrical light distribution






## Integrated LED panel

The solution ensures the safety of the light module by eliminating the exposure of LEDs to accidental damage.



## Quick coupling

It streamlines the assembly process - no tools are needed. The heavy-duty hinge allows you to hang the lampshade with the LED module.



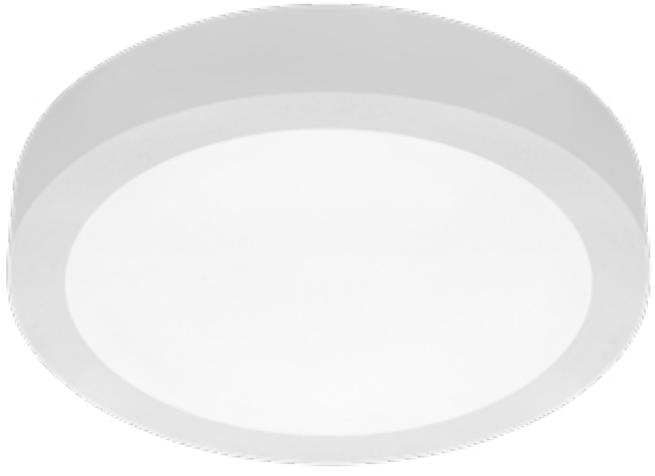
## High quality

Regardless of the product line, the drivers used are characterized by the highest quality and technical parameters.



## Easy access to the electrical cube

This allows you to connect the lamp using basic tools.

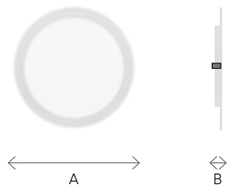


# Rotan LED

IP 40/20 | IK 07 | lm/W 102

| | |
|---|---|
| rated power [W] | 30 |
| luminous flux [lm] | 3000 |
| mounting version | flush-mounted |
| body material | powder coated sheet |
| body color | ☐ |
| diffuser material | PMMA |
| diffuser type | Opal |
| dimensions [mm] | Ø440/65 |

- Low weight
- Clip for ergonomic assembly
- Polish product
- SBV (high beam control)
- Compact, classic design





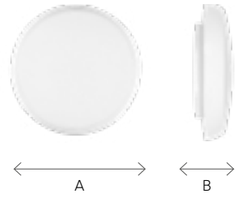



# Proxima LED

IP 65/54 | IK 10 | lm/W 113

| | |
|---|---|
| rated power [W] | 12 - 31 |
| luminous flux [lm] | 1350 - 3550 |
| mounting version | flush-mounted |
| body material | ABS |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | PRM MAT, PRM |
| dimensions [mm] | ø390/110 |

- High luminous efficacy
- UV-resistant plastic housing for color stability
- Available version with radio motion sensor to increase functionality in commercial spaces



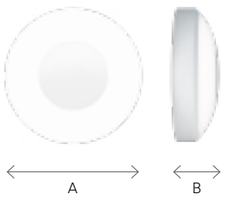


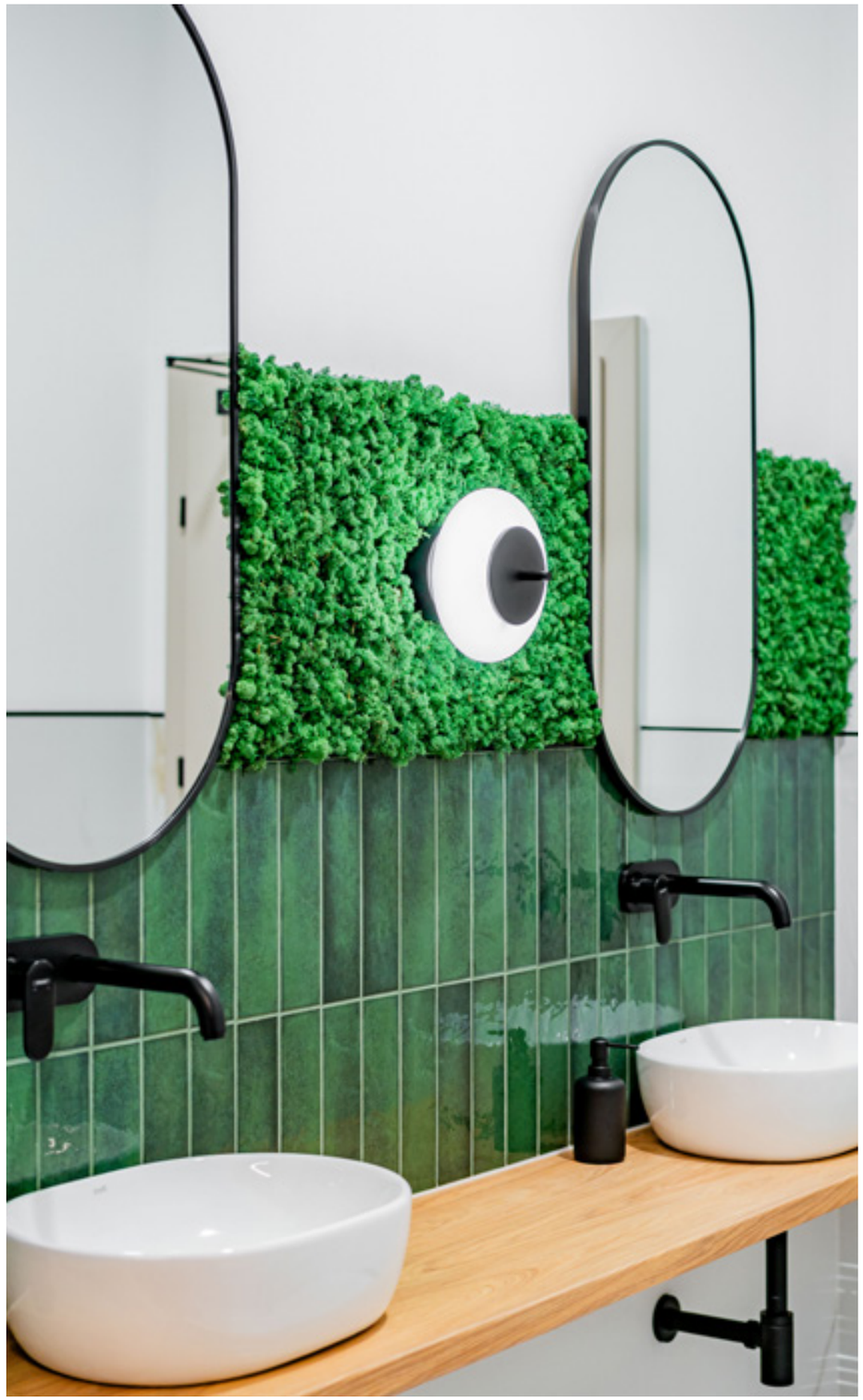
# Capella LED Plus IoT

| IP | IK | lm/W |
|---|---|---|
| 54 | 07 | 94 |

| | |
|---|---|
| rated power [W] | 11 - 26 |
| luminous flux [lm] | 950 - 2450 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø320/105, ø340/105 |

- Compatible with IoT components
- Impact strength
- High ingress protection
- Aesthetic design



The use of a Capella LED lamp in a restaurant.

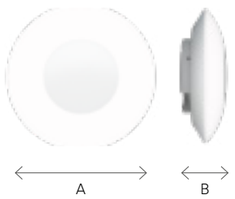


# Capella LED Plus

IP 54 | IK 07 | lm/W 105

| | |
|---|---|
| rated power [W] | 11 - 26 |
| luminous flux [lm] | 950 - 2450 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | white |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø320/105, ø340/105 |

- Standard version
- Impact resistance up to IK07
- High ingress protection
- Aesthetic design
- Branded components
- Variety of versions (Ring, Edge)





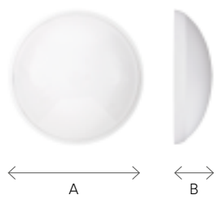


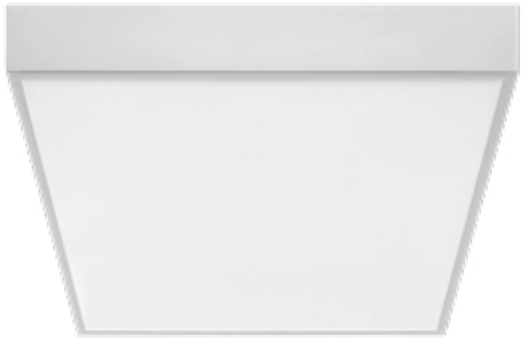

# Camea LED Evo

IP 44 | IK 10 | lm/W 100

| | |
|---|---|
| rated power [W] | 8 - 18 |
| luminous flux [lm] | 800 - 1800 |
| mounting version | surface-mounted |
| body material | PP |
| body color | white, ring: silver, satin, gold |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø300/90 |

- LC, PRO versions available with anti-vandal protection
- SBV (high beam control)
- Easy to install
- Ring in several colors
- good quality for good price
- High  impact strength



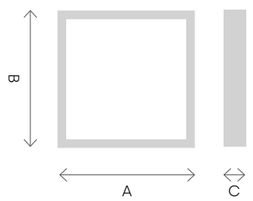


# SQ 300 LED Evo Plus

| IP | IK | lm/W |
|---|---|---|
| 54 | 08 | 112 |

| | |
|---|---|
| rated power [W] | 13 - 31 |
| luminous flux [lm] | 1350 - 3100 |
| mounting version | surface-mounted |
| body material | ABS System |
| body color | ■□ |
| diffuser material | PS |
| diffuser type | Opal |
| dimensions [mm] | 300/300/58 |

- Square ceiling light with integrated LED module
- Versions available with RCR motion sensor
- Optional DALI DIMM control
- Lightweight and energy-efficient LED technology






Using the SQ 300 LED Evo Plus in the Office

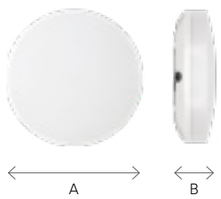


# Gamma LED

IP 54 | IK 10 | lm/W 133

| | |
|---|---|
| rated power [W] | 9 - 20 |
| luminous flux [lm] | 1150 |
| mounting version | surface-mounted |
| body material | PP |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | ø280/72 |

- A version is also available with a twilight or motion sensor PIR and DALI
- Low weight
- Straightforward installation
- High impact resistance
- SBV (high beam control)
- Ideal for indoor and outdoor use – corridors, staircases, facades





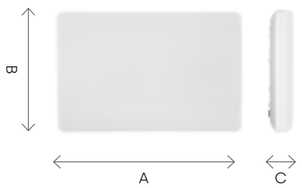



# Portal LED Basic

IP 54 | IK 08 | lm/W 73

| | |
|---|---|
| rated power [W] | 6 |
| luminous flux [lm] | 440 |
| mounting version | surface-mounted |
| body material | PP |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 280/185/55 |

- Recommended for residential construction
- Durable build
- SBV (high beam control)
- High impact resistance
- Versions available with twilight sensor and RCR motion sensor

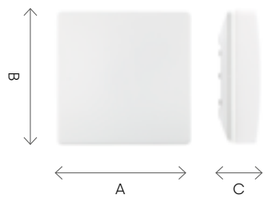


# Square LED Basic

IP 54 | IK 08 | lm/W 115

| | |
|---|---|
| rated power [W] | 13 |
| luminous flux [lm] | 1500 |
| mounting version | surface-mounted |
| body material | PC |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 260/260/60 |

- Recommended for residential applications
- Classic square design
- Diffuser: OPAL (soft light)
- Ingress protection (IP):
- Option: RCR motion sensor





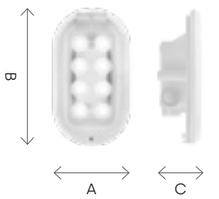



# Oval LED basic

IP 44 | IK 10 | lm/W 82

| | |
|---|---|
| rated power [W] | 3,4 - 4,7 |
| luminous flux [lm] | 370 - 450 |
| mounting version | surface-mounted |
| body material | PP |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | Opal |
| dimensions [mm] | 85/160/45 |

- BUILT TO LAST
- Modern lens shade
- easy to install;
- "Channel" lamp
- SBV (high beam control)
- Impact strength





# INVESTMENT LIGHTING / EMERGENCY

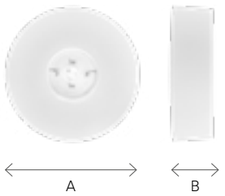


# Dot CS LED Evo

IP 65 | IK 07 | lm/W 150

| | |
|---|---|
| rated power [W] | 3 |
| luminous flux [lm] | 450 |
| mounting version | surface-mounted |
| body material | PC |
| body color | ■□ |
| diffuser material | PMMA |
| diffuser type | lens |
| dimensions [mm] | ø140/40 |

- 3W LED standalone emergency luminaire (450 lm) with built-in Li-ion battery (1h or 3h)
- Available in 4 optics variants: general and aisle (wide/narrow).
- Self-tested version
- CNBOP certificate






INVESTMENT LIGHTING / EMERGENCY

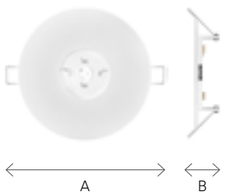


# Dot CR LED Evo

IP 20/65 | IK 07 | lm/W 150

| | |
|---|---|
| rated power [W] | 3 |
| luminous flux [lm] | 450 |
| mounting version | surface-mounted |
| body material | PC |
| body color | □ |
| diffuser material | PMMA |
| diffuser type | lens |
| dimensions [mm] | ø135/30 |

- Built-in Li-ion battery, 1h or 3h safe mode, self test version (AT)
- 4 optics variants: general or corridor, wide and narrow
- CNBOP certificate





The use of the DOT CS LED lamp in the corridor in an apartment building.



# Safelite

| IP | IK | lm/W |
|---|---|---|
| 42 | 08 | 85 |

| | |
|---|---|
| rated power [W] | 1.2, 3.2 |
| luminous flux [lm] | 100 - 250 |
| mounting version | flush-mounted, flush-mounted |
| body material | PC |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | PRM |
| dimensions [mm] | 270/119, 371/170 |

- Available versions designed to illuminate signs indicating the direction of evacuation
- SBV (high beam control)
- Operating mode: emergency or emergency - mains
- Autonomy: 1h/3h
- Ni-Cd battery





# INDUSTRIAL LIGHTING

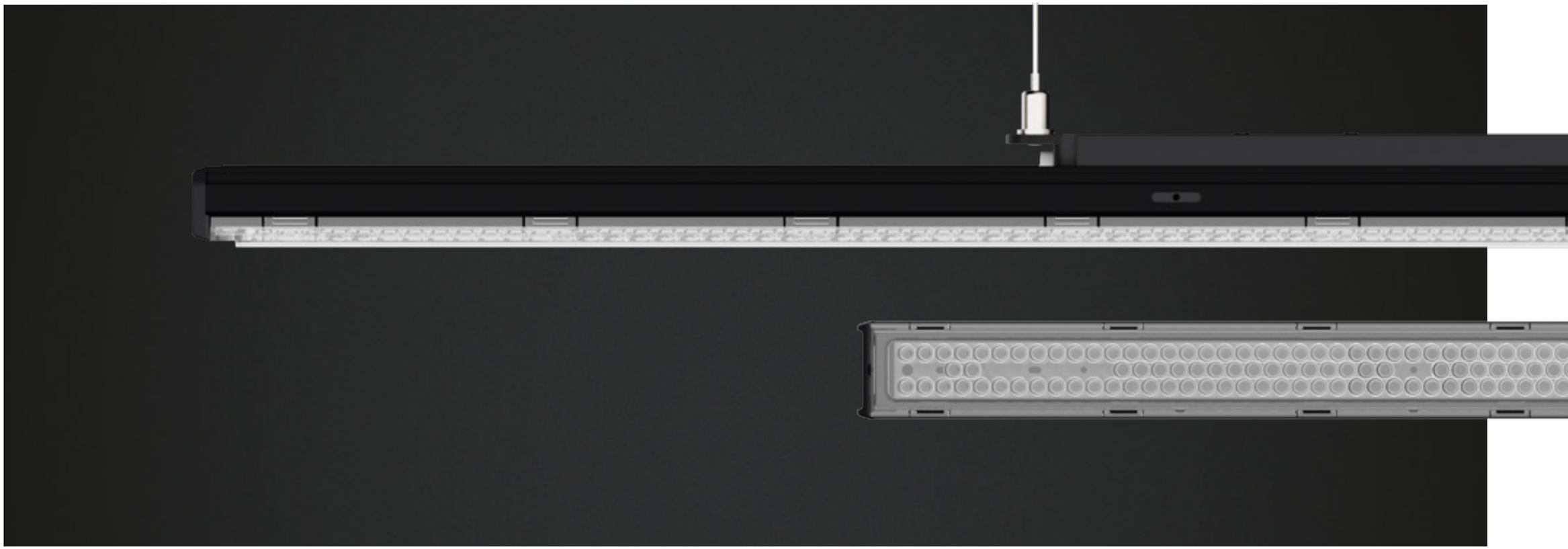
IP 66

UGR <19

ECO FRIENDLY

A

# TYTAN STEEL LED



Tytan Steel is a modern industrial luminaire manufactured in Poland, combining innovative technology with environmental responsibility. Thanks to its IP66 rating, it is resistant to dust and water, making it ideal for harsh industrial environments. The luminaire features high energy efficiency (Class A) and low glare (UGR<19/22/25), ensuring visual comfort. Luminous efficacy reaches 192 lm/W, while the 1.2 m version delivers up to 15,300 lm of luminous flux. ENEC certification confirms high quality and safety, and the Eco Friendly label highlights its environmentally responsible design.

# FAST INSTALLATION

Tytan Steel LED luminaire is a modern lighting solution designed for fast and easy installation. No specialized tools are required, significantly simplifying the process and reducing installation time.

Thanks to its well-thought-out design, the luminaire can be installed efficiently by a single person, without the need for additional equipment.

It is an ideal choice for companies that value efficiency and simplicity. Tytan Steel LED is suitable for both industrial and commercial spaces where reliability and fast installation are essential.

1



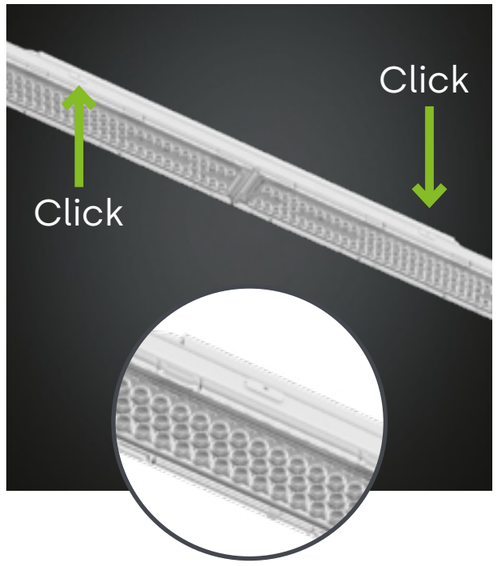
Attach the mounting box to the ceiling with two screws

2



Supply power using a cube installation

3




Click Module FLUX

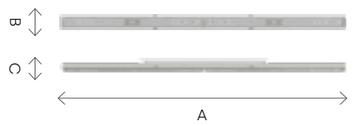


# Tytan Steel LED

IP 66 | IK 06 | lm/W 169

| | |
|---|---|
| rated power [W] | 14 - 73 |
| luminous flux [lm] | 2150 - 12000 |
| mounting version | surface-mounted, suspended |
| body material | steel/PC |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 600/57/45, 1188/57/45 |

- Quick and easy installation
- Low cost of purchase and operation
- Low profile with a sleek and modern look
- U-shaped steel profile provides all the advantages resulting from the use of a metal housing, while maintaining the lightness of a plastic housing



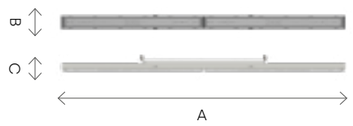



# Tytan Steel LED Pro

IP 66 | IK 06 | lm/W 192

| | |
|---|---|
| rated power [W] | 23 - 80 |
| luminous flux [lm] | 3600 - 15300 |
| mounting version | surface-mounted, suspended |
| body material | steel/PC |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 600/57/45, 1188/57/45, 1315/57/45 |

- Quick and easy installation
- Advanced optics
- 1.2 m version delivers up to 15,300 lm
- U-shaped steel profile provides all the advantages resulting from the use of a metal housing, while maintaining the lightness of a plastic housing Very High luminous efficacy up to 192 lm /W



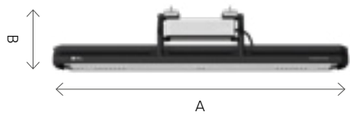


# Linero LED

| IP | IK | lm/W |
|---|---|---|
| 66 | 06 | 169 |

| | |
|---|---|
| rated power [W] | 71 - 143 |
| luminous flux [lm] | 11000 - 18650 |
| mounting version | surface-mounted, suspended |
| body material | aluminium |
| body color | ■ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 632/129 |

- High luminous efficacy, ideal for production halls and warehouses
- Sealed and durable IP66 design with aluminum body and efficient heat dissipation
- Modular design and professional PC optics enable optimal illumination even at high mounting heights






INDUSTRIAL LIGHTING



Application of Linero LED lamps in the warehouse hall

# AUDITED IN THOUSANDS OF INSTALLATIONS, TRUSTED BY THE INDUSTRY FOR YEARS.

The Tytan 2 LED family represents a new generation of sealed industrial luminaires, distinguished by very high luminous efficacy, high energy efficiency and excellent technical performance.

At its core is a high-performance LED module with a lifespan exceeding 196,000 hours. Tytan 2 LED Pro features a high energy class and luminous efficacy of up to 178 lm/W. It provides highly uniform light distribution (SDCM ≤3) and offers high impact resistance (IK09) and IP66 ingress protection.



**08** different version

TYTAN LED PRO
Top level quality & performance

TYTAN MULTI LED
4-step adjustment
luminous flux and power

TYTAN 2 LED
Versatility

TYTAN 2 LED ENDURA
Thermal resistance meaning more
Possibilities of use

TYTAN 2 LED HALL
Narrow light distribution

TYTAN 2 LED CHEMO
Chemical resistance with PCT-G

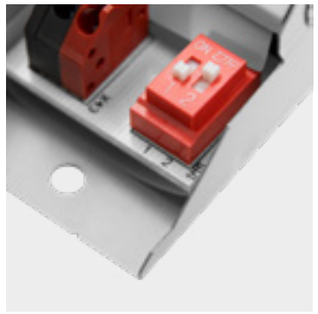
TYTAN 2 LED 24-48V
Installation lamp
low-voltage

TYTAN 2 LED LENS
IP66 beam with new
lenses



### Easy to replace LED module

For the convenience and time savings of installers and service personnel, a hanging lampshade system integrated into the mounting plate has been used.



### Greater versatility

Thanks to a dedicated micro-switch, the MULTI function allows you to control the power yourself and the luminous flux of the lamp.



### Mounting tolerance 100 mm

Adjustable brackets with an installation tolerance of +/- 50 mm to facilitate and speed up the surface mounting process



### Quick couplings

The Rapid-A or Rapid-D quick connector allows you to supply power extremely quickly and easily and does not require opening the lamp.

# CUSTOMIZED SOLUTIONS

The luminaire can be easily adapted to specific application requirements thanks to a design focused on the needs of investors, contractors and end users.

The MULTI function enables independent adjustment of power and luminous flux. A dedicated microswitch allows you to select the required light output and power level. This provides the flexibility to either maximize luminous flux or reduce energy consumption.

The solution is particularly useful in spaces where lighting requirements may change over time or where different standards must be met.



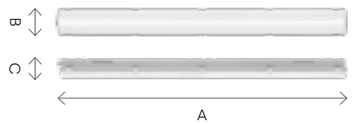


# Tytan LED Pro

IP 66 | IK 09 | lm/W 178

| | |
|---|---|
| rated power [W] | 13 - 70 |
| luminous flux [lm] | 2500 - 12000 |
| mounting version | surface-mounted, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

- Very high efficiency (>170lm/W)
- High degree of impact resistance and tightness
- Easy and simple installation
- Interchangeable light module
- Branded components, inox clips
- Large mounting tolerance range +/-50mm





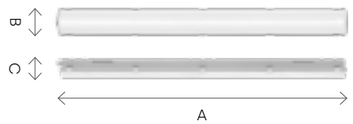


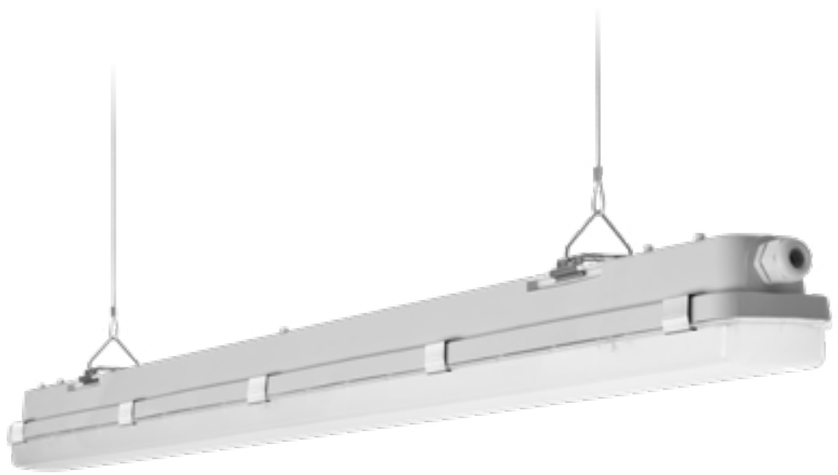

# Tytan Multi LED

IP 66 | IK 09 | lm/W 196

| | |
|---|---|
| rated power [W] | 13 - 24, 16 - 29, 26 - 47, 33 - 59 |
| luminous flux [lm] | 2500 - 4350, 3150 - 5450,<br>5000 - 8700, 6300 - 10900 |
| mounting version | surface-mounted, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

- Ability to change power and luminous flux
- Very high efficiency
- Saves warehouse space
- High energy efficiency
- SBV (high beam control)
- Interchangeable light module



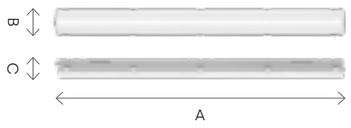


# Titan 2 LED Hyper

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 161 |

| | |
|---|---|
| rated power [W] | 17 - 72 |
| luminous flux [lm] | 2650 - 11300 |
| mounting version | surface-mounted, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

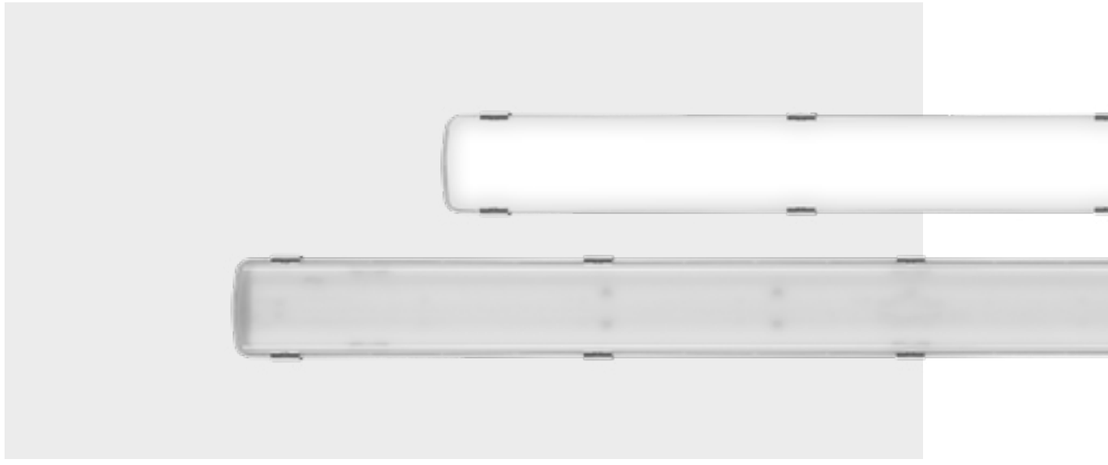
- Different variants available depending on the application
- Premium economic efficiency.
- High degree of impact resistance and tightness



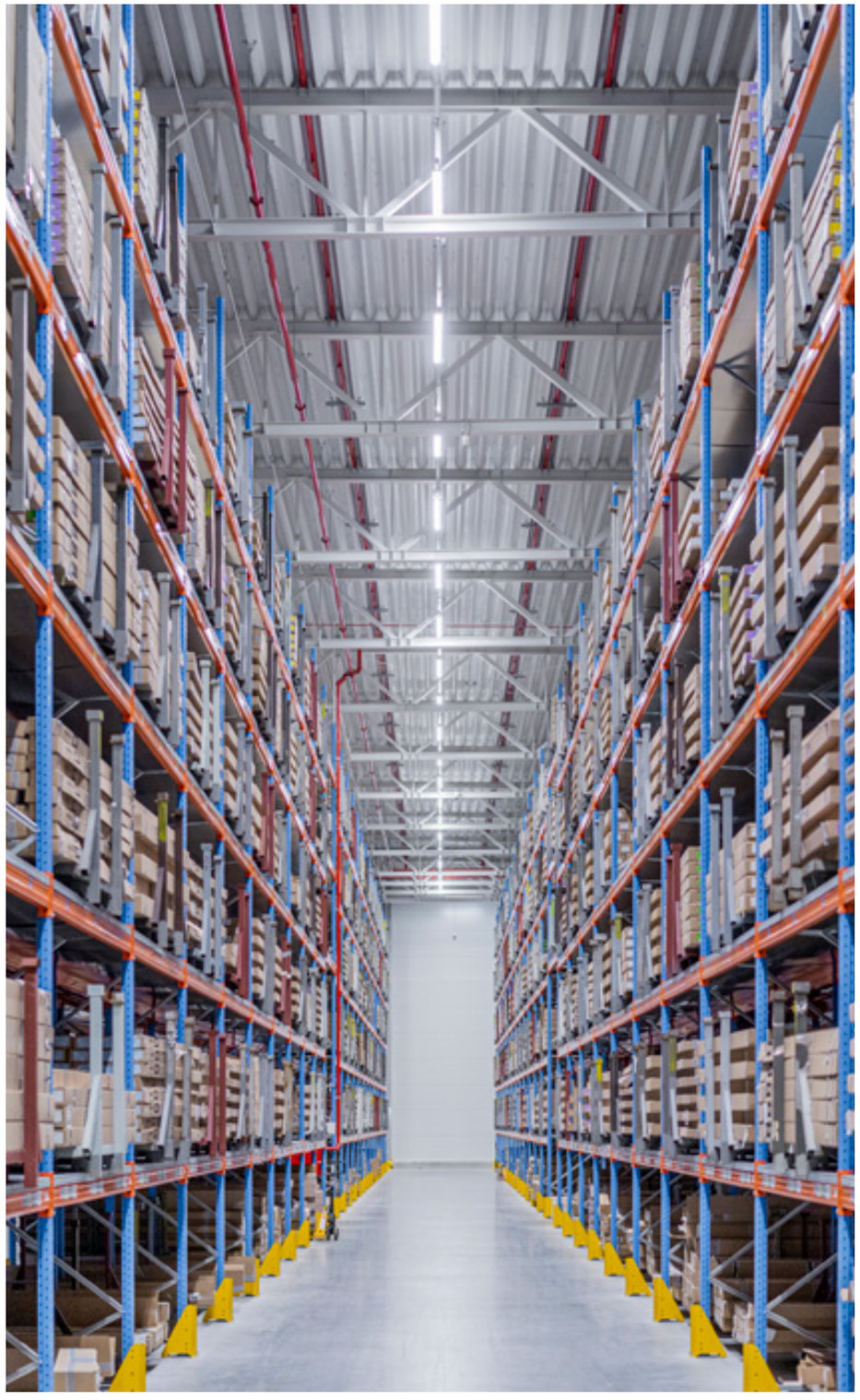








Application of Titan 2 LED lamps in the warehouse



Application of Titan 2 LED Endura lamps in the warehouse

-40°C
+60°C

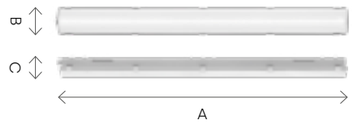


# Tytan 2 LED Endura

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 155 |

| | |
|---|---|
| rated power [W] | 32 - 76 |
| luminous flux [lm] | 4750 - 11300 |
| mounting version | surface-mounted, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

- Wide temperature range
- It has new solutions to improve light distribution and temperature balance
- Highly efficient - up to 71Lm/W
- High energy efficiency
- The housing body and diffuser are UV resistant



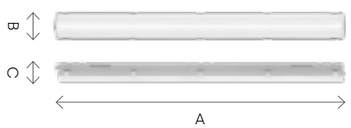


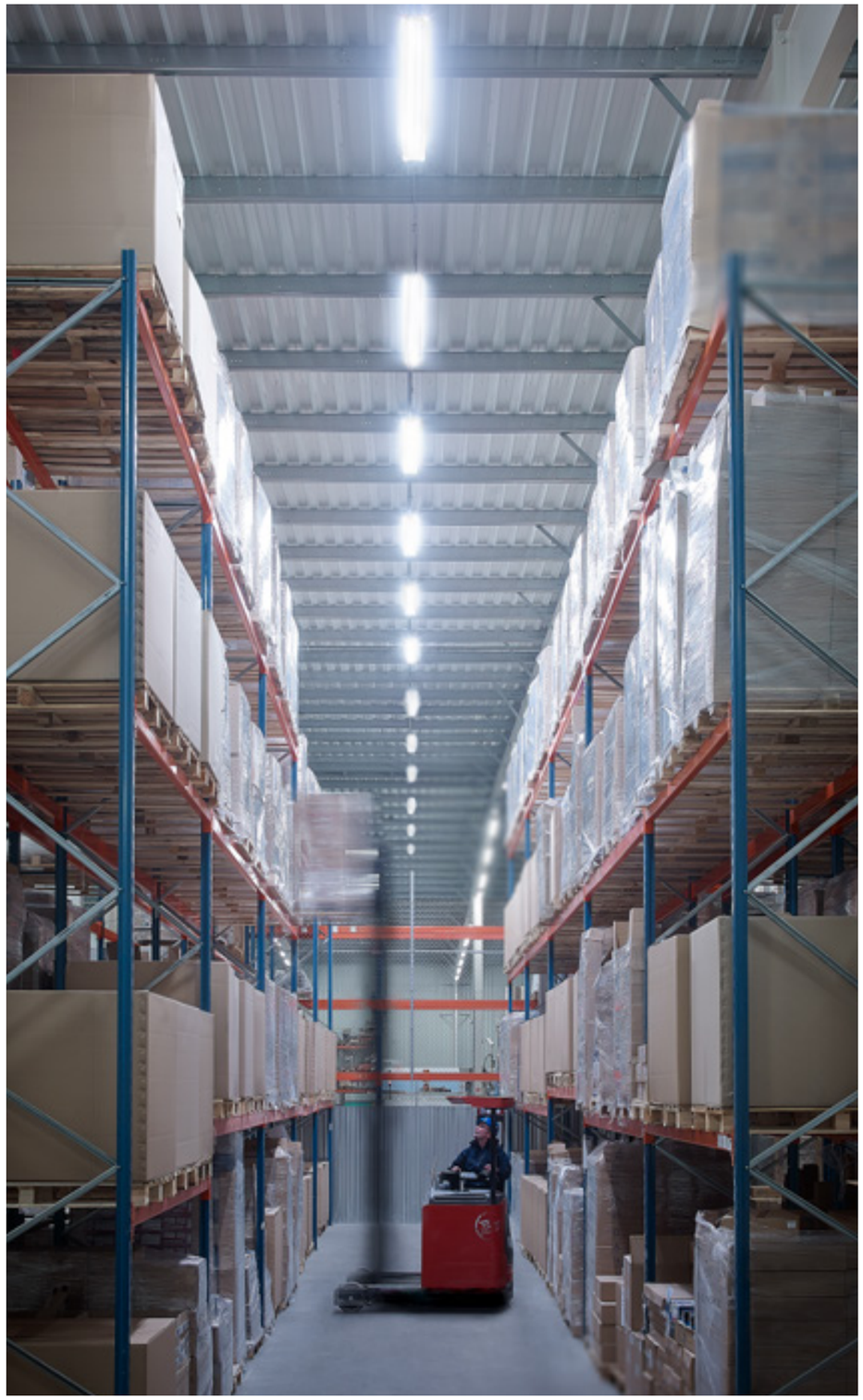
# Tytan 2 LED Hall

| | |
|---|---|
| rated power [W] | 58 - 72 |
| luminous flux [lm] | 10400 |
| mounting version | surface, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 144 |

- Dedicated to high bay warehouses (up to 12m)
- High energy efficiency
- Colour rendering index: Ra> 80
- SDCM ≤ 3
- 3 dedicated optics 60, 70, 90



Application of Titan 2 LED Hall lamps in the warehouse hall



Application of Tytan Multi LED Chemo lamps in the production hall

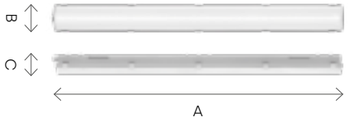


# Tytan 2 LED Chemo

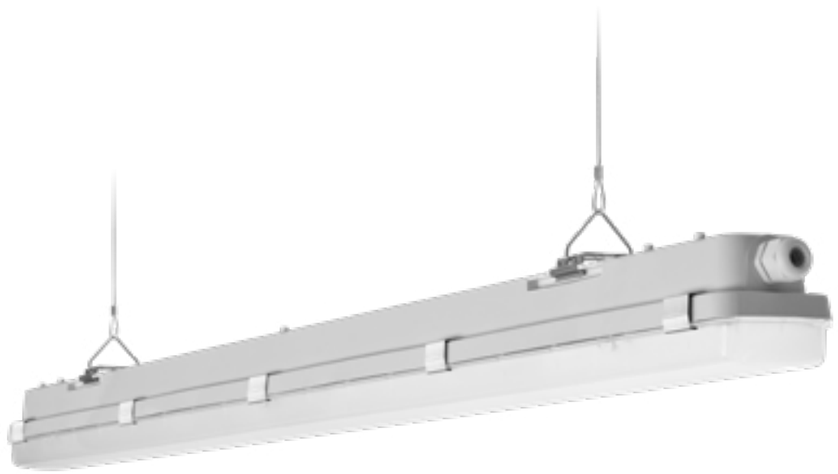
| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 155 |

| | |
|---|---|
| rated power [W] | 30 - 72 |
| luminous flux [lm] | 4550 - 11300 |
| mounting version | surface, suspended |
| body material | ABS System |
| body color | |
| diffuser material | PCT |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

- Ammonia-resistant housing for livestock facilities
- The diffuser material is GREENGUARD certified
- High ingress protection




9
10
11
13

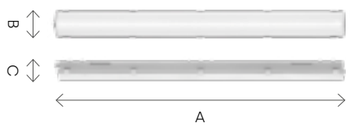


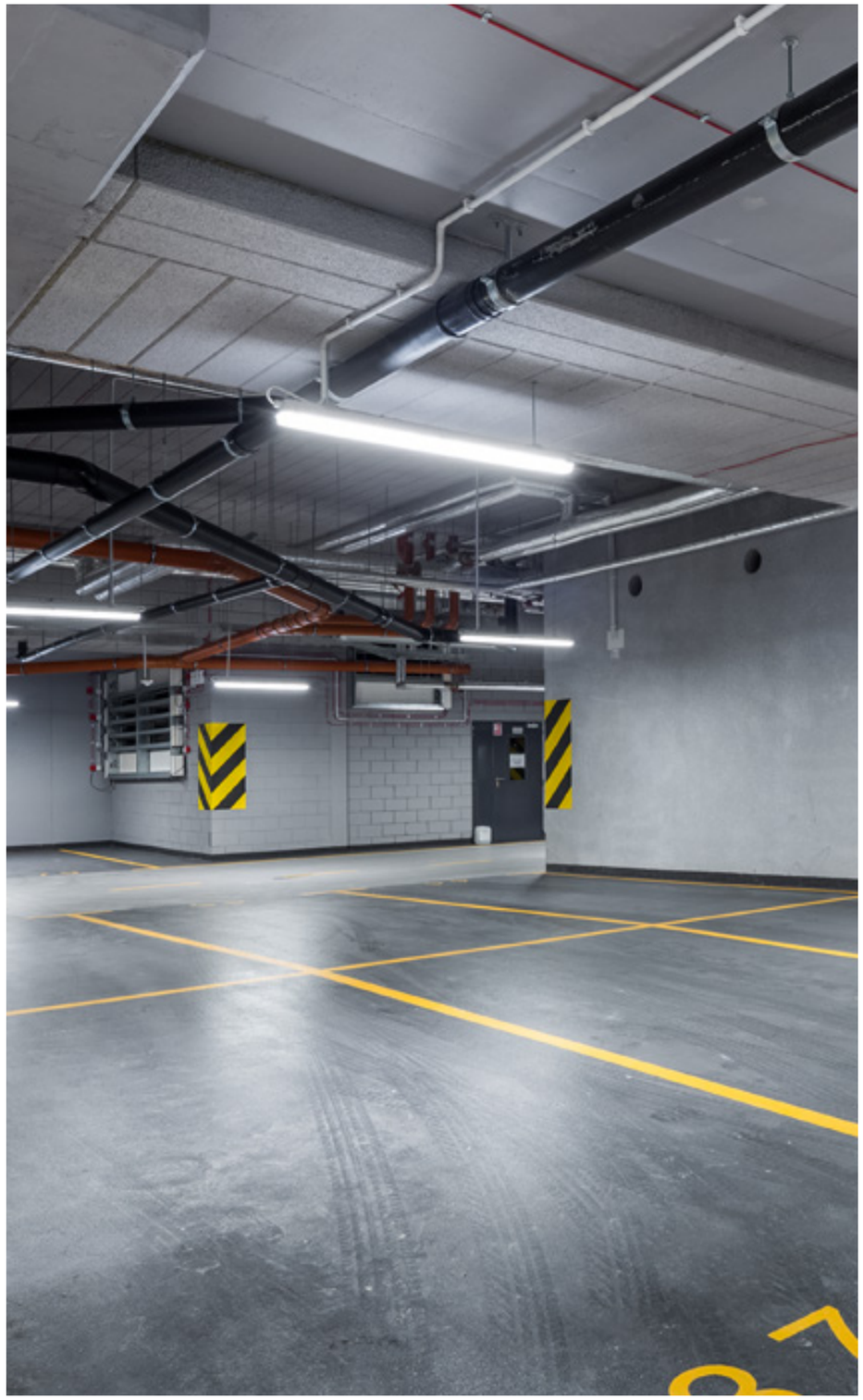
# Tytan 2 LED 24-48V

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 115 |

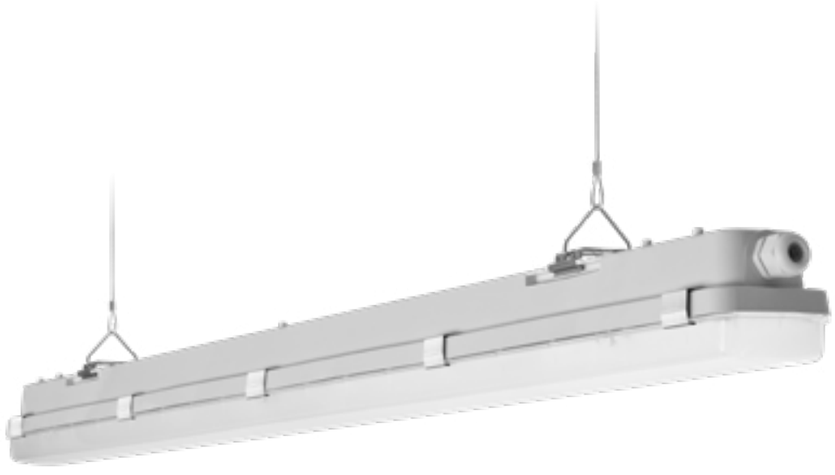
| | |
|---|---|
| rated power [W] | 24 |
| luminous flux [lm] | 2750 |
| mounting version | surface, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80 |

- Dedicated to low-voltage 24-48V AC/DC installations
- Very high efficiency
- High impact resistance and ingress protection



Application of Titan 2 LED 24-48V lamps in the garage hall

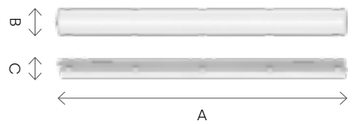


# RS LED

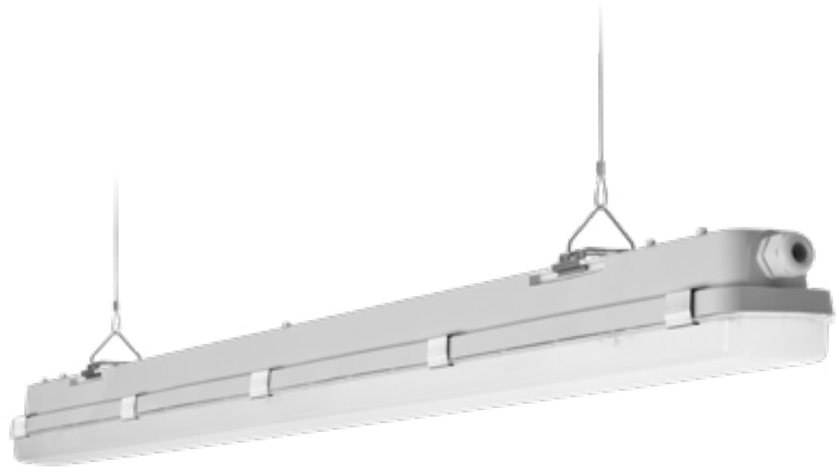
IP 66 | IK 09 | lm/W 143

| | |
|---|---|
| rated power [W] | 74 - 76 |
| luminous flux [lm] | 9500 - 10600 |
| mounting version | surface, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80, 1432/85/80 |

- The luminaire body and diffuser are resistant to UV radiation
- We offer 4 luminaires that allow for 16 combinations/versions of power and luminous flux
- High impact resistance and ingress protection





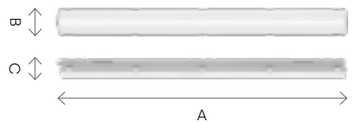



# RS LED Multi

IP 66 | IK 09 | lm/W 150

| | |
|---|---|
| rated power [W] | 18 - 59 |
| luminous flux [lm] | 2700 - 8150 |
| mounting version | surface, suspended |
| body material | PC |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1152/85/80 |

- There are 4 lamps available in the offer, which give the possibility of obtaining
  16 combinations - power and luminous flux versions
- Premium economic efficiency.
- Colour rendering index: Ra> 80
- High degree of impact resistance and tightness



IP
54/40

UGR
<19

ECO
FRIENDLY

A

# LINEA S LED



Linea S LED is an energy-efficient linear industrial luminaire with luminous efficacy of up to 200 lm/W. The power range of 15 - 146 W and luminous flux of 1,000 - 25,600 lm make it suitable for halls, warehouses and commercial facilities.

Thanks to the tool-free connection system and wide spacing between mounting points, installation is fast and cost-effective. The luminaire is compatible with Clue and HCL control systems, and the LED lifetime exceeds 196,000 hours.

Linea S LED is available in various light color and color rendering options, allowing precise adaptation to specific space requirements.

# THE FASTEST MOUNTING ON THE MARKET

Installation time is reduced by more than 70% compared to single industrial luminaires, resulting in lower labor costs and faster project completion.

In the case of Linea S LED, there is no need to purchase additional accessories or mounting components such as trunking rails, suspension rods or extra power cables. This further reduces installation costs compared to individual luminaires.

The integrated wiring system allows you to create a continuous light line of up to 100 meters powered from a single point.



**Connecting individual modules is extremely simple and requires no tools**

The speed of installing the lines brings the investor time and money savings.



**The installation process is extremely intuitive**

It starts with connecting the supporting profiles and mounting them to the ceiling. (they can be surface mounted or suspended). You can move the mounting brackets along the entire length of the profile, so there is no need to mark the exact location of the mounting holes.



**The profiles are connected by clicking in the connecting mechanism**

It requires no strength, no tools and takes a second. Then, it is enough to connect the power supply to the mounted supporting profiles and connect the lighting modules.

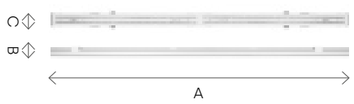


# Linea S LED IP40

| IP | IK | lm/W |
|---|---|---|
| 40 | 03 | 200 |

| | |
|---|---|
| rated power [W] | 15 - 146 |
| luminous flux [lm] | 2550 - 25000 |
| mounting version | surface, suspended |
| body material | coated steel |
| body color | white |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | 588-5292/60/50 |

- Very High luminous efficacy
- Quick connecting of modules into lines
- Up to 11 wires inside
- Variety of lighting modules
- Tool-free module clipping
- Wide range of optics available



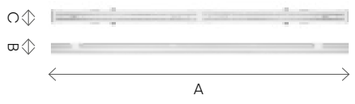



# Linea S LED IP54

| IP | IK | lm/W |
|---|---|---|
| 54 | 03 | 200 |

| | |
|---|---|
| rated power [W] | 15 - 135 |
| luminous flux [lm] | 2500 - 25300 |
| mounting version | surface, suspended |
| body material | coated steel |
| body color | ■ □ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 588-5292/60/50 |

- The applied design allows for easy installation and connection of the power supply
- High IP54 ingress protection class rating allows for installation of lamps in an environment with increased humidity and dust
- Diodes from a reputable manufacturer and new LED modules have an impact on a very High luminous efficacy



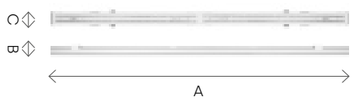


# Linea S LED Single

IP 54/40 | IK 03 | lm/W 200

| | |
|---|---|
| rated power [W] | 22 - 146 |
| luminous flux [lm] | 3200 - 25000 |
| mounting version | surface, suspended |
| body material | coated steel |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | 588/60/50, 1181/60/50, 1495/60/50, 1769/60/50 |

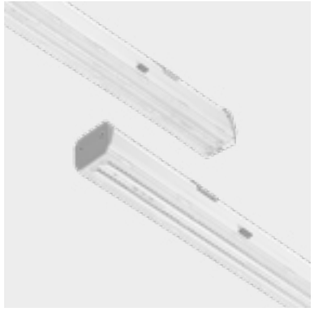
- Single version of the LINEA S luminaire
- Very High luminous efficacy
- Large selection of optics






## Clicked-in lighting module

Lighting modules are clicked into spots placed on the supporting profile, chosen by the installer.



## Various lengths

Three lengths of lighting modules and three lengths of supporting profiles give the possibility of creating many variants of lines and flexibility in adjusting the lighting to area specificity.



## Tool-free access to luminaire inTool-interiorterior

The design of the luminaire allows the installer to access the clicked-in luminaire interior quickly and without any tools.



## Flexibility in optics selection

The luminaire is available in many options of optics with four light distribution variants (120°, 105°, 40/30° i 46/117°), enabling the illumination of objects from a height of up to 20 m.



### With emergency lighting

Linea S LED is not just standard modules light to provide general illumination. Modules with emergency lighting are also available. So there is no need to distribute another electrical circuit to ensure safe evacuation.



### With projectors

The constructor has planned the possibility of connecting a module with accent lighting to Linei S LED. This the line element will point illuminate the details that the investor or user of the facility would like to be exposed.



### With a motion sensor

Function modules equipped with into motion sensors with the DALI protocol. They allow you to save energy in places where light is not required at the moment.



### With 11 cores - extensive possibilities

The load-bearing profiles have 11-wire wiring (excluding the ECO version) - this allows you to connect various control systems and intelligent lighting solutions to the luminaire.

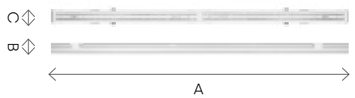


# Linea S LED Eco

| IP | IK | lm/W |
|---|---|---|
| 40 | 03 | 179 |

| | |
|---|---|
| rated power [W] | 7 - 143 |
| luminous flux [lm] | 1000 - 25600 |
| mounting version | surface, suspended |
| body material | coated steel |
| body color | ■ □ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 588/53/54, 1176/53/54, 1764/53/54, 2940/53/54, 53, 54 |

- The applied design allows for easy installation and connection of the power supply
- The ECO version is dedicated to investments where the length of single light lines powered from a single cable (not including modules with grilles and not including current protection) does not exceed 40m



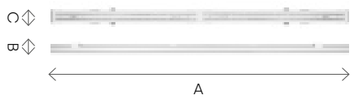


# Linea S Track LED

IP 20 | IK 03 | lm/W 179

| | |
|---|---|
| rated power [W] | 11 - 69 |
| luminous flux [lm] | 1750 - 11100 |
| mounting version | to the busbar |
| body material | coated steel |
| body color | ■□ |
| diffuser material | PC |
| diffuser type | lens matrix |
| dimensions [mm] | 1175/54/66, 590/54/66 |

- Highly energy-efficient modules with excellent luminous efficiency and a minimalist, delicate appearance
- Modules are available in lengths of 590 and 1175 mm with different optics enabling the selection of the right solution for a specific concept






Visualization of the use of the Linea S LED in the variant with Expo Adjust modules in the bookstore.




Linea family luminaires in Żabka stores

# LIGHTING FOR ŻABKA STORES

The Żabka retail chain has invested in state-of-the-art lighting solutions manufactured by Lena Lighting and tailored to its specific needs. Each supplied luminaire is compatible with intelligent lighting control systems and presence sensors.

Highly energy-efficient LED lighting helps address today's energy and sustainability challenges. In Żabka stores equipped with Lena Lighting solutions, energy savings reach approximately 60%.

The installed luminaires are compatible with the intelligent Clue control system based on the Human Centric Lighting concept. This allows the light intensity to be adjusted to outdoor conditions and the amount of natural daylight entering the space, benefiting both store employees and customers while reducing the carbon footprint.

Żabka also uses presence sensors that automatically switch the lighting on when movement is detected, ensuring the system operates only when needed.




Application of Linea 2 LED lamps in the store

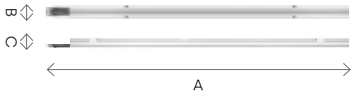


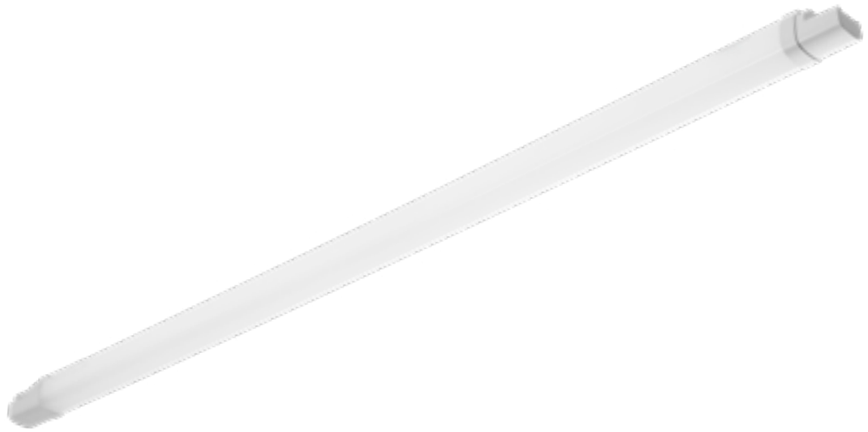
# Linea 2 LED

| IP | IK | lm/W |
|---|---|---|
| 20 | 06 | 157 |

| | |
|---|---|
| rated power [W] | 14 - 146 |
| luminous flux [lm] | 2250 - 22100 |
| mounting version | surface, suspended |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1680/52/47, 3360/52/47 |

- Designed for continuous light lines
- Uniform light output along the entire luminaire length
- 3 light distribution
- Wide luminous flux range
- Easy assembly in seconds
- Robust aluminium housing



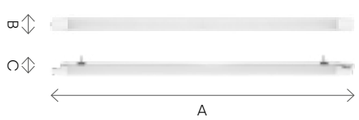


# Mimo 2 LED

| | |
|---|---|
| rated power [W] | 15 - 31 |
| luminous flux [lm] | 2050 - 5000 |
| mounting version | surface, suspended |
| body material | PC |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1230/45/50, 1510/45/50, 670/45/50 |

| IP | IK | lm/W |
|---|---|---|
| 66 | 06 | 150 |

- Designed for continuous light lines
- It shines along the entire length of the luminaire
- 3 types of light distribution
- Wide luminous flux range
- Easy and quick mounting
- Robust aluminium body






The use of MIMO 2 LED lamps in the warehouse

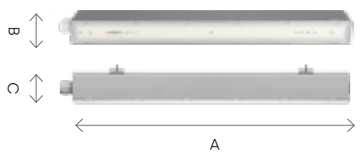


# Industry Slim LED

IP 66 | IK 09 | lm/W 171

| | |
|---|---|
| rated power [W] | 14 - 117 |
| luminous flux [lm] | 2100 - 17500 |
| mounting version | surface, suspended |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | OPAL, lens matrix, transparent |
| dimensions [mm] | 621/50/75, 651/50/75, 1177/50/75, 590/50/75 |

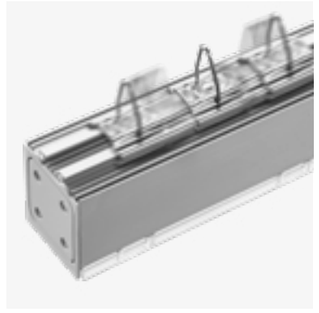
- Aluminium body
- Very high IP66 ingress protection
- Easy and fast installation
- 9 variants of light distribution






## Compact length

Compact dimensions reduce logistics and warehousing costs.



## Aluminium body

A robust luminaire body made of aluminium, which allows for good heat dissipation and significant weight reduction.



## Fast mounting

Thanks to the well-thought-out design, the installer can easily access the board with the connection cube and the driver. This significantly improves the installation process.



## Five types of light distribution

In order to be able to adjust the luminaire to the purpose of a given object and different needs for lighting, the designer designed several types of light distributions.

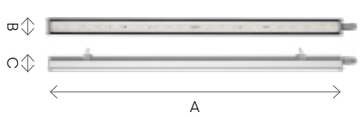


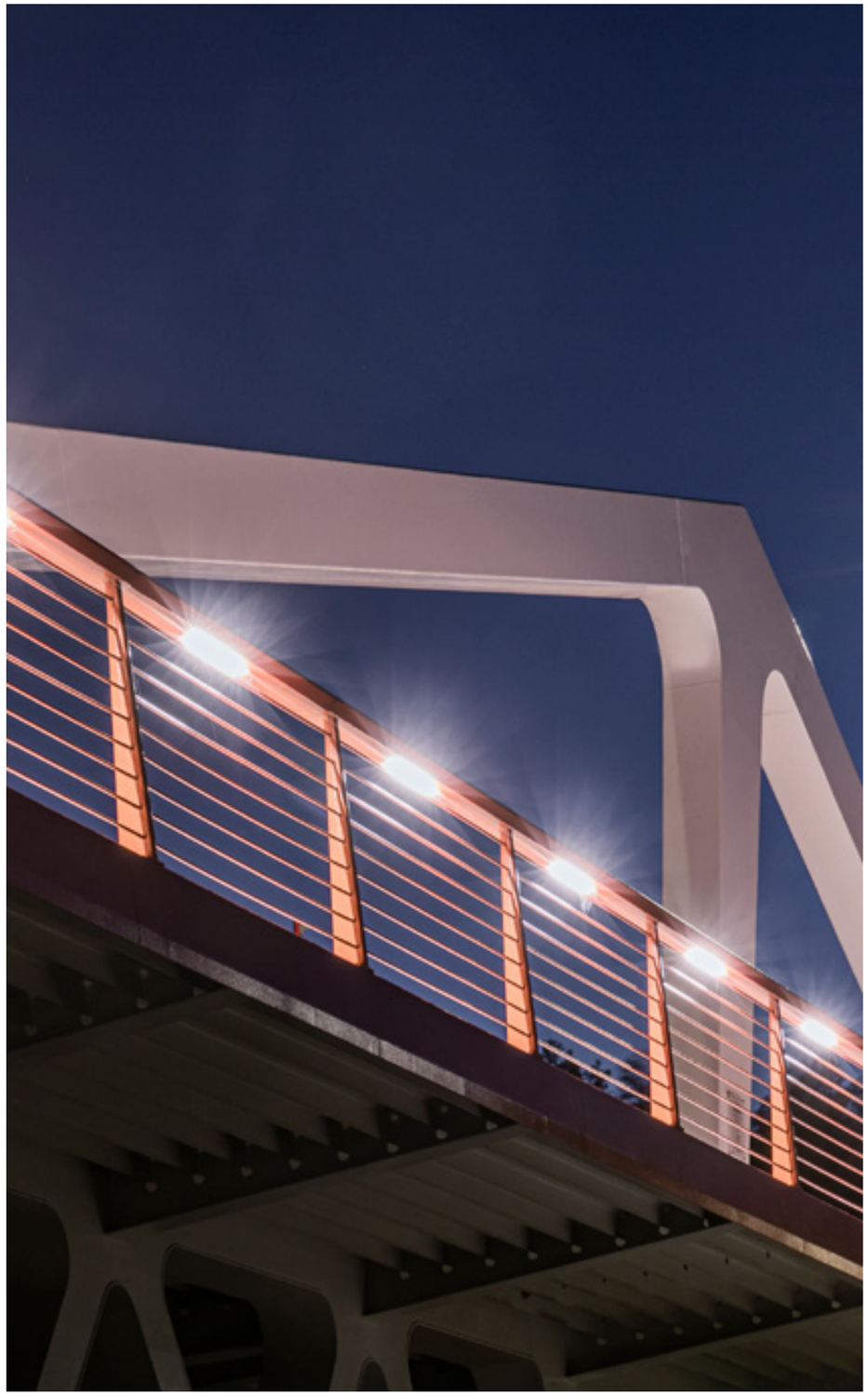
# Industry IP66 LED

| IP | IK | lm/W |
|---|---|---|
| 66 | 08 | 163 |

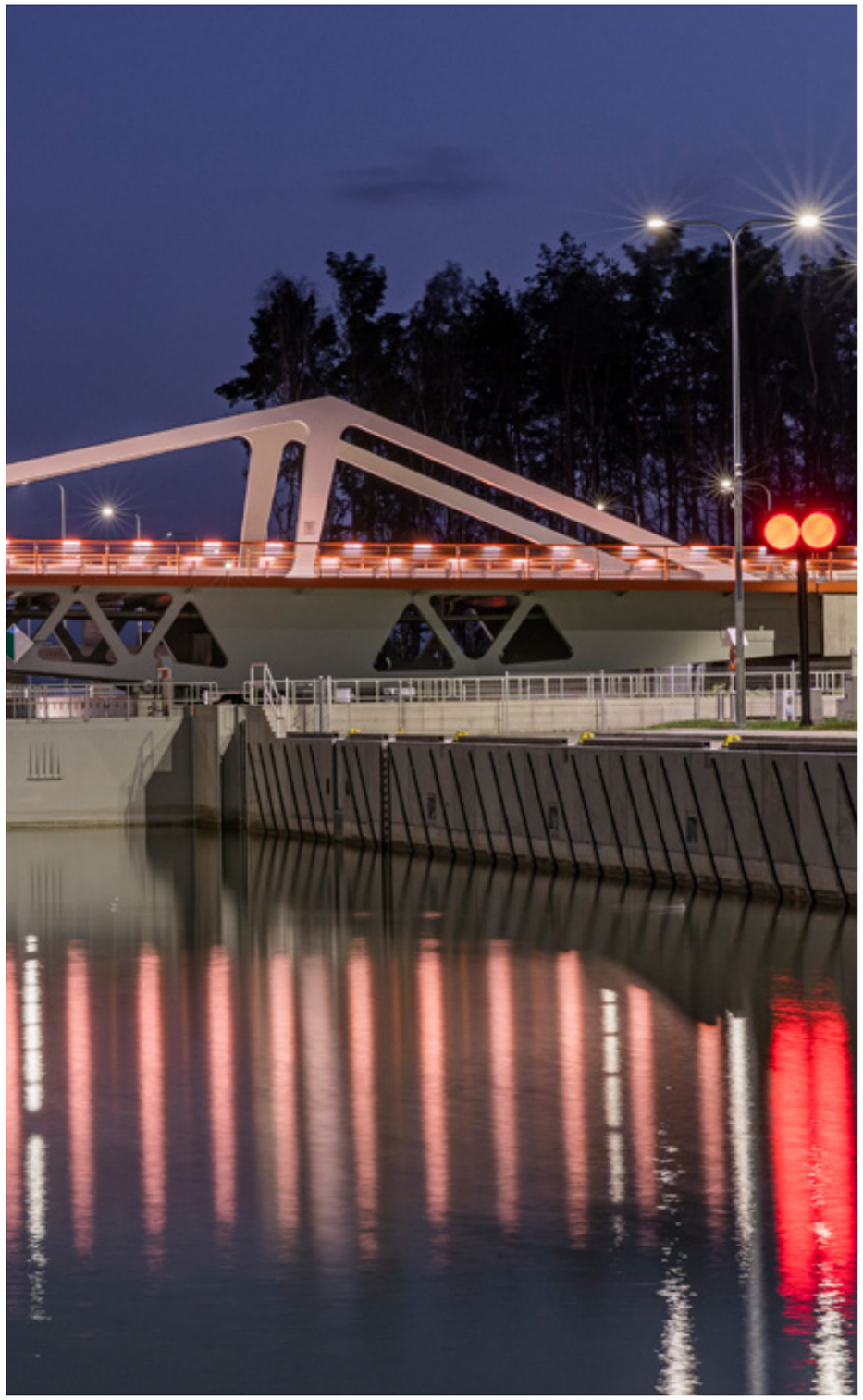
| | |
|---|---|
| rated power [W] | 13 - 212 |
| luminous flux [lm] | 2150 - 34000 |
| mounting version | surface, suspended |
| body material | aluminum |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent, PRM, MAT |
| dimensions [mm] | 570/63/55 - 1450/104/135 |

- Aluminium body and diffuser made of tempered glass
- Quick connector for safe and quick mounting
- Mounting bracket on the entire length
- Slim luminaire – does not collect dirt
- Dedicated to heavy duty industrial conditions
- 3 light distributions, dedicated to high rooms



Industry IP66 LED luminaires, Vistula Spit



Industry IP66 LED luminaires, Vistula Spit

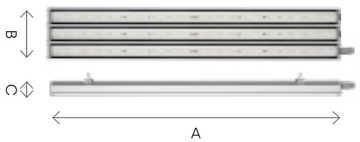


# Industry IP66 LED MR

| IP | IK | lm/W |
|---|---|---|
| 66 | 08 | 148 |

| | |
|---|---|
| rated power [W] | 276 - 345 |
| luminous flux [lm] | 35900 - 68000 |
| mounting version | surface, suspended |
| body material | aluminum |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 1139/205/125, 1419/205/125, 1473/273/170 |

- Aluminium body and diffuser made of tempered glass
- Impact strength
- Dedicated to harsh industrial environments
- High luminous flux up to 68000 lm
- 3 light distributions, dedicated to high rooms



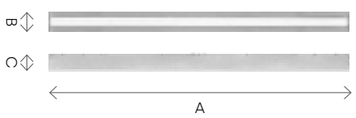


# Industry IP40 LED

| IP | IK | lm/W |
|---|---|---|
| 40 | 06 | 148 |

| | |
|---|---|
| rated power [W] | 52 - 118 |
| luminous flux [lm] | 7600 - 17450 |
| mounting version | surface, suspended |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1680/52/42 |

- High efficiency
- Lightweight aluminium body
- Installation speed
- Good quality for good price





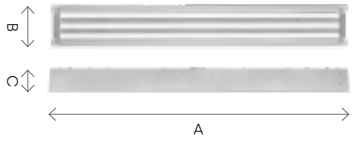



# Industry 2 LED

| IP | IK | lm/W |
|---|---|---|
| 23 | 07 | 161 |

| | |
|---|---|
| rated power [W] | 45 - 147 |
| luminous flux [lm] | 6800 - 23600 |
| mounting version | surface, suspended |
| body material | steel sheet |
| body color | |
| diffuser material | PC |
| diffuser type | MAT |
| dimensions [mm] | 1210/137/70, 1490/137/70, 1490/190/70 |

- Wide jet range from 6800 - 24000 lm
- High ergonomics and ease of installation
- 3 light distributions to choose from
- High luminous efficacy
- Mounting plate
- Zinc-plated sheet body resistant to environmental conditions



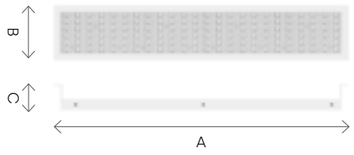


# Arena

IP 65 | IK 09 | lm/W 131

| | |
|---|---|
| rated power [W] | 70 - 141 |
| luminous flux [lm] | 8950 - 18400 |
| mounting version | surface, suspended |
| body material | steel |
| body color | ☐ |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | 811, 1205/195/95 |

- Very low glare
- High effectiveness
- Very high IP tightness coefficient
- High impact resistance
- Robust steel body






Application Arena LED



IP69K Tube luminaires on a car wash

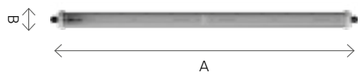


# Tuba IP69K

| IP | IK | lm/W |
|---|---|---|
| 69K | 10 | 194 |

| | |
|---|---|
| rated power [W] | 10 - 59 |
| luminous flux [lm] | 1350 - 11150 |
| mounting version | surface-mounted, suspended |
| body material | stainless steel |
| body color | |
| diffuser material | GLASS, PC, PMMA |
| diffuser type | transparent |
| dimensions [mm] | 1250/64.5, 660/64.5, 697/64.5, 1281/64.5, 661/64.5 |

- Maximum resistance IP69K – full tightness, resistance to dust and water at a pressure of 100 bar at 80℃
- Durable construction – chemical resistant materials (PMMA, borosilicate glass, acid-resistant steel)
- Resistance to the harshest conditions



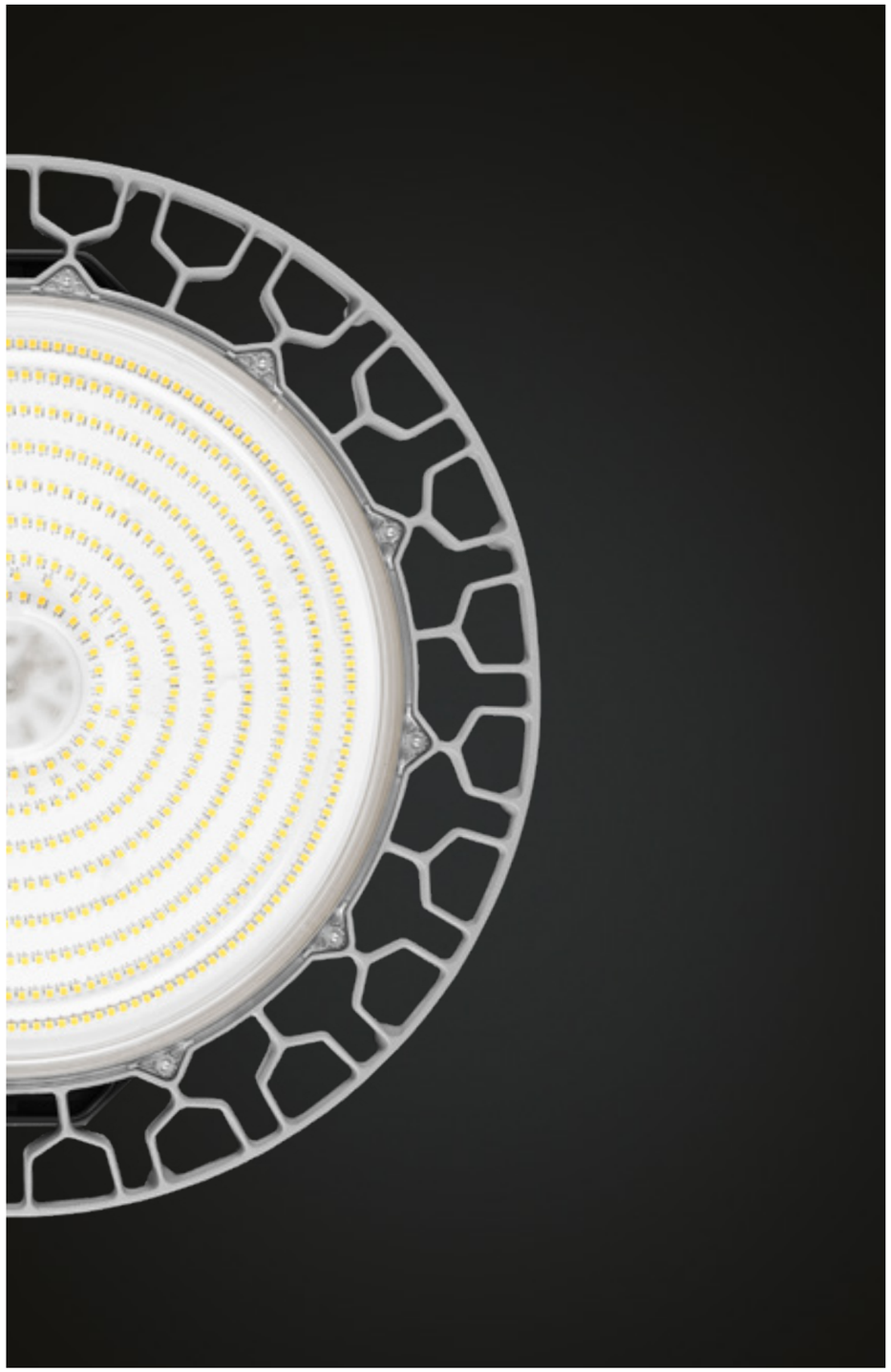
# EFFICIENT AND MODERN HIGH

We present a modern HIGH-BAY lamp, which is a new generation of lamps dedicated to LED technology. Thanks to the use of high-performance diodes, the lamp is distinguished by a very high luminous flux up to 49,200 lm and a luminous efficiency up to 176 lm/W.

Its undoubted, worth emphasizing advantages are: energy efficiency, durability and adaptability to work at high temperatures up to 60℃ and up to 75℃ (Endura version).

Oculus LED will be used not only in large-area warehouses and logistics centers, but also great in difficult production conditions, where there is high humidity, dust or elevated temperature. Thanks to its High ingress protection, it can be installLED outdoors.

The lamp uses a modern optical system. There are two versions. The first with a glass shade, the second with a shade made of polycarbonate. The polycarbonate version may have a transparent lens or a lens with an integrated linear lens array.



07 different versions

OCULUS
Very high luminous flux

OCULUS LED UGR
Reduced glare effect

OCULUS LED ENDURA
An environment with a high Ambient

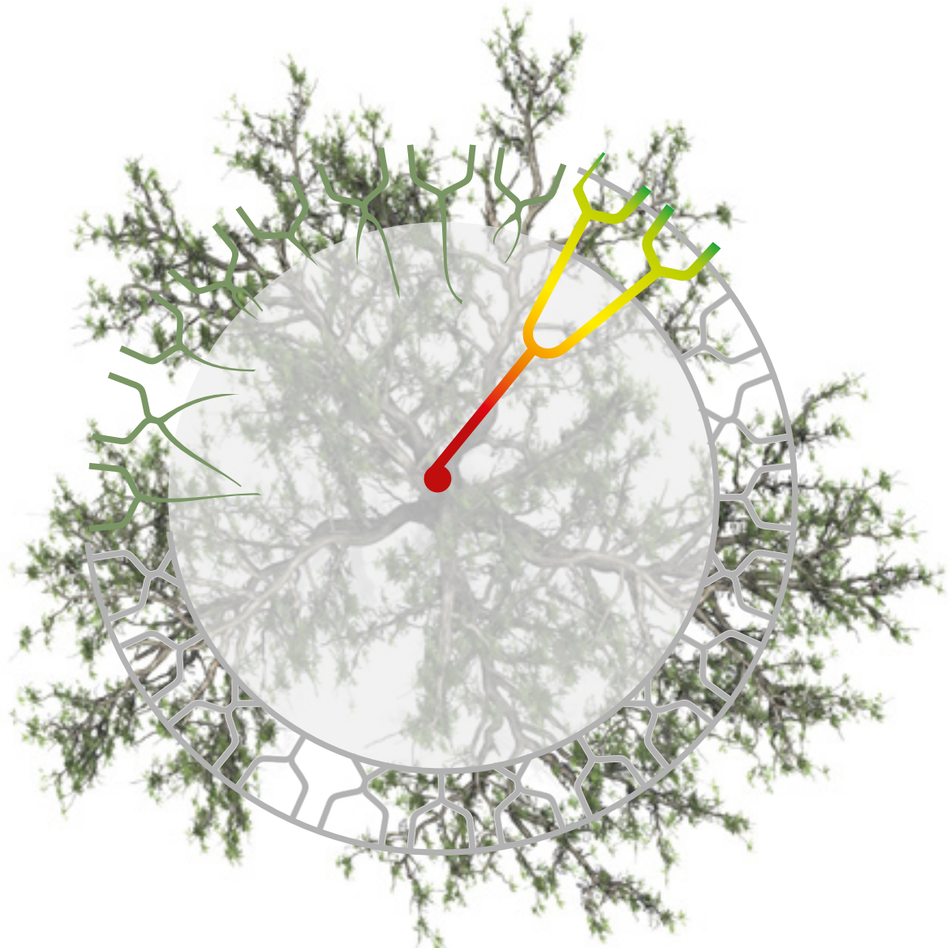
OCULUS LED MINI
Compact size (diameter 32 cm)

OCULUS LED MINI UGR
Reduced glare effect

OCULUS LED P1
installation of the switch on the pole

OCULUS LED P2
Fastening to the frame crossbars

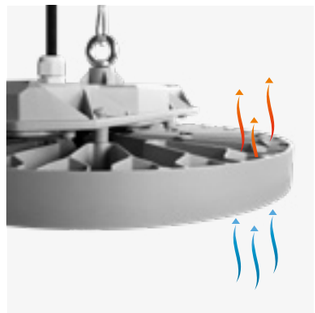
# SMART SOLUTIONS. EFFICIENT HEAT DISSIPATION.





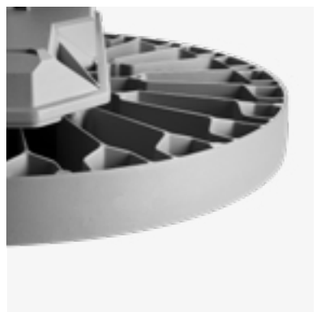
## Lamp design

Thanks to the use of the phenomenon of conduction and convection as well as the designed shapes and surface finish, the heat is effectively discharged from the lamp to the outside, guaranteeing optimal thermal conditions for the operation of the power supply system.



## Refined body shape

The shape of the body with an integrated, efficient heat sink and high-quality materials ensure maximum heat dissipation from the LED module. When designing the Oculus LED lamp, we were inspired by nature.



## Separated power supply system

The external driver's compartment, separated from the body, guarantees optimal thermal operating conditions for the power supply system.

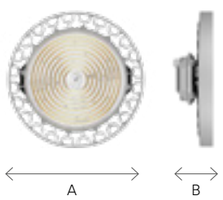


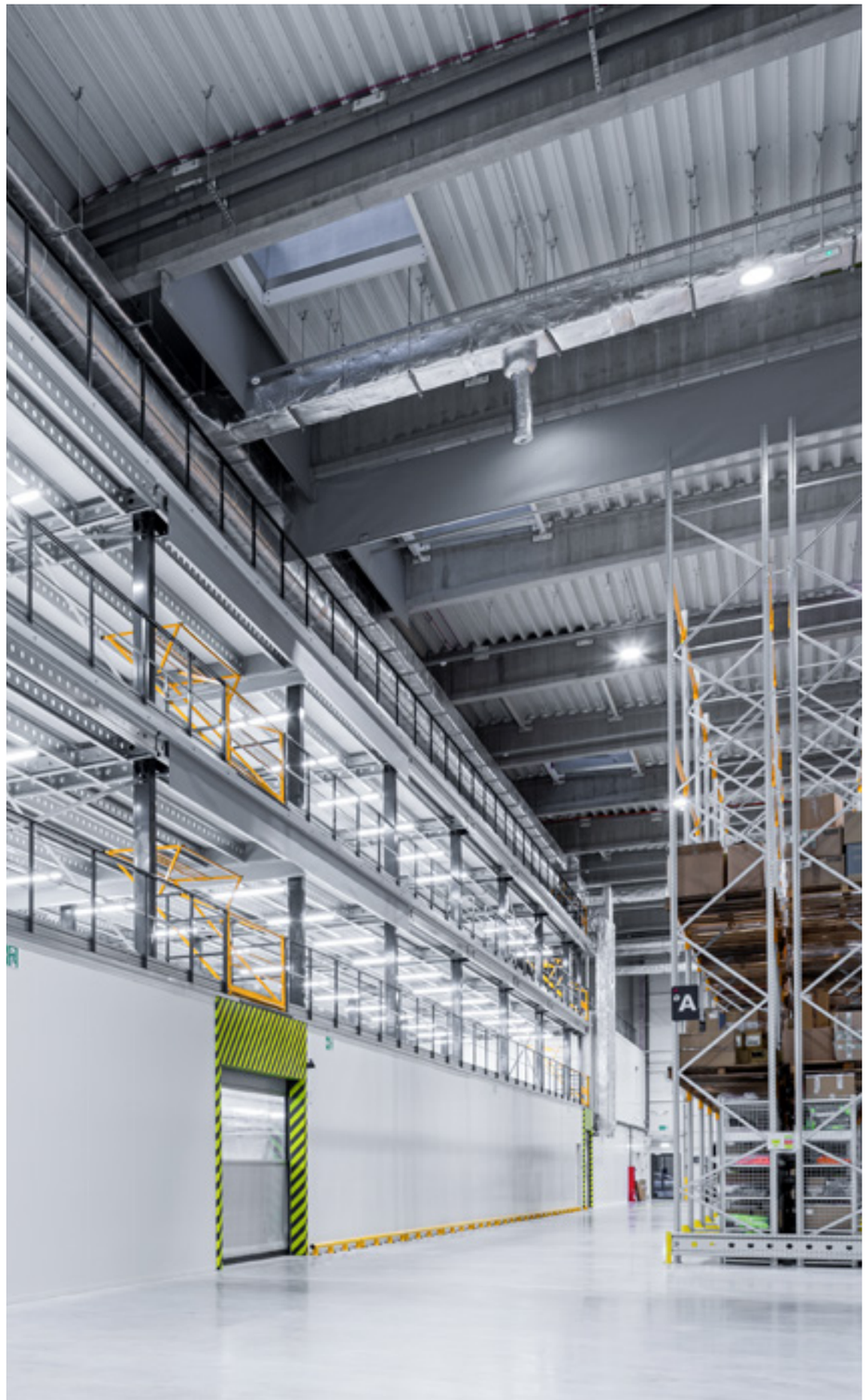
# Oculus LED

IP 66 | IK 09 | lm/W 176

| | |
|---|---|
| rated power [W] | 75 - 294 |
| luminous flux [lm] | 12200 - 49200 |
| mounting version | suspended, surface-mounted |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | Ø371/106 |

- Very high operating temperature up to 60°C
- High luminous flux up to 49200 lm
- Heavy-duty aluminium body, designed to dissipate heat well
- 3 light distributions and a version with a tempered glass shade
- Quick coupler - quicker and cheaper installation



Oculus LED lamps in the warehouse

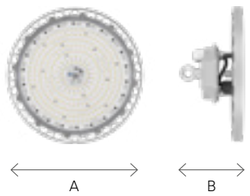


# Oculus LED mini

IP 66 | IK 09 | lm/W 167

| | |
|---|---|
| rated power [W] | 72 - 148 |
| luminous flux [lm] | 11400 - 23800 |
| mounting version | suspended, surface-mounted |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | Ø320/107 |

- Reduced glare version available UGR <19
- Very high operating temperature up to 45$^0$C
- High light output – low energy
- Heavy-duty aluminium body, designed to dissipate heat well





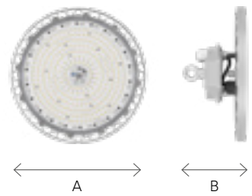



# Oculus LED mini Eco

IP 65 | IK 08 | lm/W 166

| | |
|---|---|
| rated power [W] | 200 |
| luminous flux [lm] | 30700 - 33200 |
| mounting version | suspended |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | Ø320/130 |

- Good cooling – working at temperatures up to 65°C
- High luminous efficacy thanks to 5050 diodes
- PC lenses or tempered GLASS, 105° dispersion
- Hook mounting



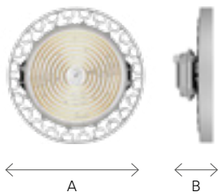


# Oculus LED UGR

IP 66 | IK 09 | lm/W 153

| | |
|---|---|
| rated power [W] | 74 - 218 |
| luminous flux [lm] | 11300 - 28800 |
| mounting version | suspended, surface-mounted |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | Ø371/106 |

- Heavy-duty aluminium body, designed to dissipate heat well
- Diodes from a reputable manufacturer and new LED modules have an impact on a very High luminous efficacy
- Thanks to the UGR value of 19 - 22, it minimizes the glare effect





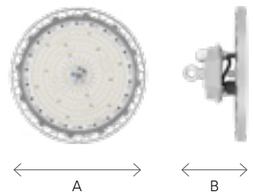



# Oculus LED Mini UGR

IP 66 | IK 09 | lm/W 153

| | |
|---|---|
| rated power [W] | 74 - 151 |
| luminous flux [lm] | 11300 - 21500 |
| mounting version | suspended, surface-mounted |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | PC |
| diffuser type | transparent |
| dimensions [mm] | Ø320/107 |

- Very high operating temperature up to 55$^{0}$C
- Heavy-duty aluminium body, designed to dissipate heat well
- Thanks to the UGR value of 19 - 22, it minimizes the effect of glare affecting well-being





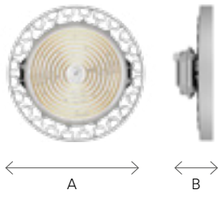
75°C

# Oculus LED Endura

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 174 |

| | |
|---|---|
| rated power [W] | 203 |
| luminous flux [lm] | 26600 - 28300 |
| mounting version | suspended, surface-mounted |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | PC, tempered glass |
| diffuser type | transparent |
| dimensions [mm] | Ø371/106 |

- Heavy-duty aluminium body
- Separated from the body, the driver's chamber connected to the lamp with a 10m cable guarantees optimal thermal conditions for power supply
- Possible operation of the lamp at an ambient temperature of max. 75°C






Oculus LED Endura in the warehouse

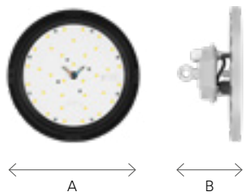


# Oculus LED XS Eco

| IP | IK | lm/W |
|---|---|---|
| 65 | 08 | 160 |

| | |
|---|---|
| rated power [W] | 100 |
| luminous flux [lm] | 15000 - 16000 |
| mounting version | suspended |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | glass |
| diffuser type | transparent |
| dimensions [mm] | 215/143 |

- The body is made of die-cast aluminum
- Passive cooling system and separated power supply have a positive effect on the thermal management of the lamp, its service life and maintaining the highest parameters





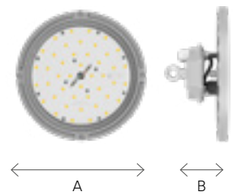



# Oculus LED S Eco

| IP | IK | lm/W |
|---|---|---|
| 65 | 08 | 165 |

| | |
|---|---|
| rated power [W] | 150 |
| luminous flux [lm] | 23000 - 24700 |
| mounting version | suspended |
| body material | Aluminium (powder coated) |
| body color | |
| diffuser material | glass |
| diffuser type | transparent |
| dimensions [mm] | 245/143 |

- The body is made of die-cast aluminum
- Passive cooling system and separated power supply have a positive effect on the thermal management of the lamp, its service life and maintaining the highest parameters



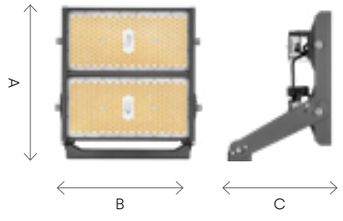


# Factor LED

IP 66 | IK 09 | lm/W 158

| | |
|---|---|
| rated power [W] | 101 -1124 |
| luminous flux [lm] | 14600 - 150800 |
| mounting version | on a pole, for a construction partition, flat surface, boom |
| body material | Aluminium (powder coated) |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | lens matrix, transparent |
| dimensions [mm] | 191/425/217, 385/425/340, 580/425/340, 774/425/340 |

- Premium economic efficiency.
- High ingress protection IP66 and impact resistance IK09
- Passive lamp cooling system
- Ability to work at elevated temperatures

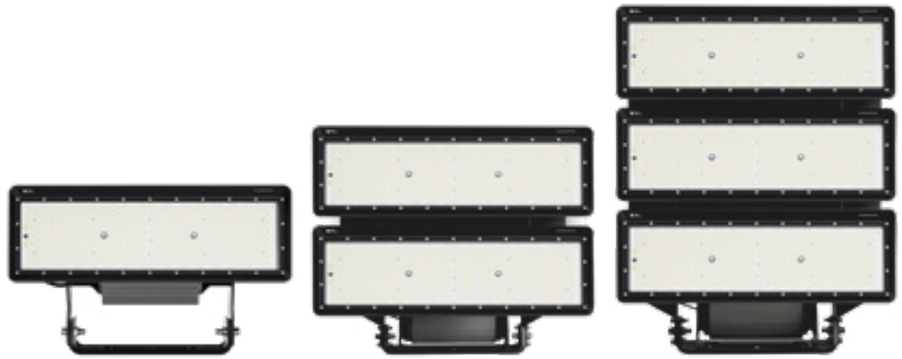





Lighting of the Słotwiny Arena ski slope



Skatepark Lighting, Świeciechowa

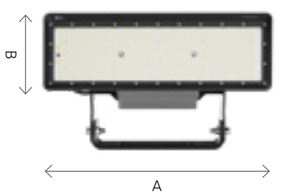


# Factor LED XL

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 169 |

| | |
|---|---|
| rated power [W] | 200 - 1665 |
| luminous flux [lm] | 28100 - 248700 |
| mounting version | on a pole, for a construction partition, flat surface, boom |
| body material | Aluminium (powder coated) |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | lens matrix, transparent |
| dimensions [mm] | 1M: 368/624/227, 2M: 779/624/238, 3M: 1084/624/238 |

- Three versions: 1 module (1M), 2 modules (2M), and 3 modules (3M)
- Specifications that meet the requirements for television broadcasts at sports venues
- C5-M version for marine, offshore, and industrial applications
- DALI power supplies; can operate in standard on/off mode



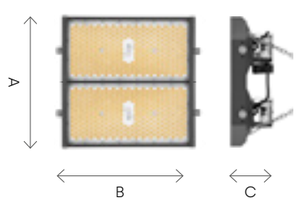


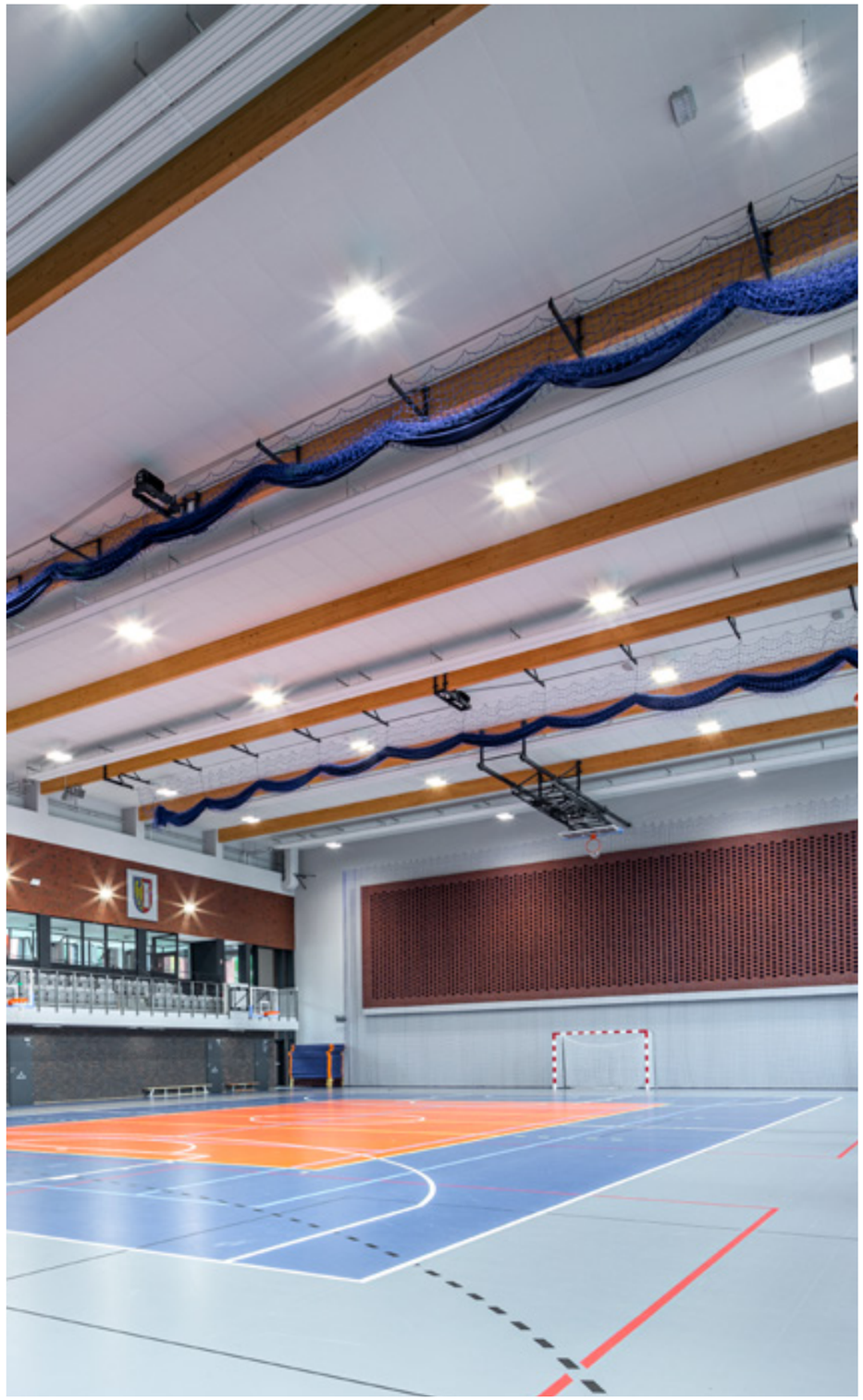
# Factor LED HB

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 158 |

| | |
|---|---|
| rated power [W] | 101 - 562 |
| luminous flux [lm] | 14600 - 75400 |
| mounting version | surface-mounted or suspended |
| body material | Aluminium (powder coated) |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | lens matrix, transparent |
| dimensions [mm] | 191/397/125, 387/397/125 |

- Premium economic efficiency
- High ingress protection IP66 and impact resistance IK09
- Passive lamp cooling system
- Ability to work at elevated temperatures (depending on power).



Sports field lighting in Gliwice

IP 67 IK 10

# QUEST LED EVO



Introducing the Quest LED Evo family – a line of high-bay floodlights and lamps. Their the greatest advantage is the versatility and multitude of applications – in accordance with the constructor's vision, which assumed the diversity of individual variants so as to be able to dedicate them to many places and objects.

Quest LED Evo lamps are characterized by high energy efficiency, which translates into a reduction in $CO_2$ emissions and allows for up to 65% savings compared to lamps equipped with traditional light sources.




# Quest LED Evo XS

IP 67 | IK 10 | lm/W 171

| | |
|---|---|
| rated power [W] | 20 - 56 |
| luminous flux [lm] | 2800 - 9000 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 240/280 |

- RGBW versions available to illuminate building facades
- 7.5° graduated steel arm attached to the body
- Die-cast aluminium body in corrosion class C5
- A wide selection of optics, including asymmetric, providing great freedom of configuration







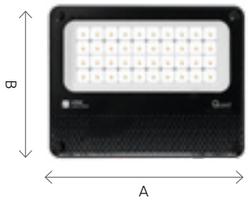


# Quest LED EVO S

IP 67 | IK 10 | lm/W 191

| | |
|---|---|
| rated power [W] | 38 - 121 |
| luminous flux [lm] | 6450 - 19350 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 403/263/57 |

- RGBW versions available for building facade illumination
- Steel arm with 7.5° increments attached to the housing
- Die-cast aluminum housing, C5 corrosion class
- Wide selection of optics, including asymmetric options, providing great flexibility in configuration



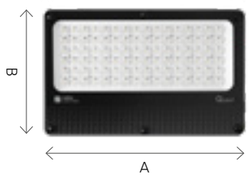


# Quest LED Evo M

IP 67 | IK 10 | lm/W 189

| | |
|---|---|
| rated power [W] | 56 - 185 |
| luminous flux [lm] | 9950 - 29550 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 550/383/57 |

- RGBW versions available to illuminate building facades
- Wide range of power and light distribution (including asymmetrical)
- Resistance to extreme humidity, dust and high temperatures
- Meets the requirements of PN-EN 60598-2 part 5, resistance to strong wind





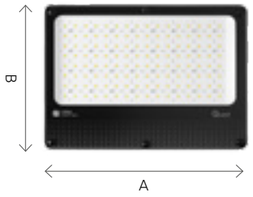



# Quest LED Evo L

IP 67 | IK 10 | lm/W 191

| | |
|---|---|
| rated power [W] | 81 - 297 |
| luminous flux [lm] | 14550 - 48900 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 550/434/57 |

- Wide range of power and light distribution (including asymmetrical)
- Resistance to extreme humidity, dust and high temperatures
- Meets the requirements of PN-EN 60598-2 part 5, resistance to strong wind



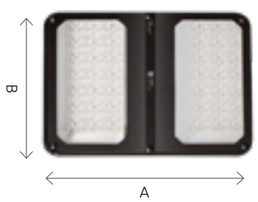


# Quest LED Everest

| | |
|---|---|
| rated power [W] | coming soon |
| luminous flux [lm] | coming soon |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | coming soon |

| IP | IK | lm/W |
|---|---|---|
| 67 | 10 | 171 |

- 7.5° graduated steel arm attached to the body
- Die-cast aluminium body in corrosion class C5
- A wide selection of optics, including asymmetric, providing great freedom of configuration
- Tight quick connecting
- Meets the requirements of PN-EN 60598-2 part 5 per floodlight






Quest LED Evo in the warehouse



Installation of Quest RGBW on a Data Center Building. Generated using AI.




# Quest LED Evo XS RGBW

| IP | IK | lm/W |
|---|---|---|
| 67 | 10 | 51 |

| | |
|---|---|
| rated power [W] | 52 |
| luminous flux [lm] | 2300 - 2650 |
| mounting version | surface-mounted, suspended |
| body material | aluminum |
| body color | ■ |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 280/240/55 |

- A larger version of the M is also available
- RGBW technology – full color palette including natural white
- DMX control, beam angles of 15°, 25°, 35°, 60°
- Die-cast aluminum housing in corrosion class C5
- Sealed quick-connect fitting and tool-free installation





# ROAD AND STREET LIGHTING



Tiara 2 LED luminaires, MPK Poznań depot

# SECURE AND AL-WAYS TO THE GOAL

Street and road luminaires from the Polish manufacturer Lena Lighting are modern, energy efficient, durable and safe solutions.

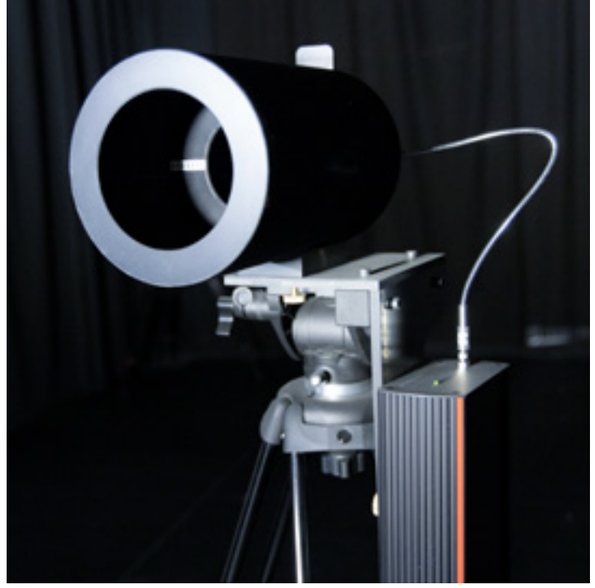
Our luminaires are characterized by

- Good quality at a competitive price
- Construction created by our own R&D department
- Polish production and branded components
- Efficiency up to 170 lm/W
- Power range 8 to 330 W
- Luminous flux range from 900 - 42275 lm
- High ingress protection
- SP10kV protection as standard
- Impact resistance
- Variety of available broadcasts
- ULOR = 0.0%
- Green production

# ALL STARTS WITH FROM THE LIGHT!

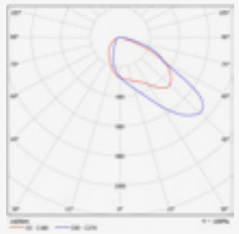
Only the best lighting solutions, thanks to which we will optimize every project.

Lena designers design lighting situations every day based on solutions that not only guarantee that lighting standards are met with care
by reducing the total installED capacity as much as possible, but also improve the comfort of all road users. Carefully designed and manufactured LED module, high-end components – including lenses and diodes, and many years of experience of designers make the light from Lena Lighting changes the rules of the game!



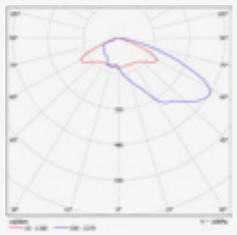






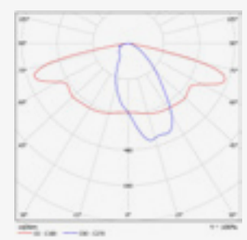
### PP1 distribution

The light distribution of the PP1 luminaire is designed to maximize pedestrian visibility after dark. Thanks to even and targeted lighting, it improves safety and comfort of movement in public space.



### RW10 distribution

The RW10 light distribution is ideal for open spaces such as squares or parking lots. It provides wide and even lighting of the area, which translates into a high level of safety and comfort for users.



### RM8+ distribution

The RM8+ light distribution is characterized by great versatility, thanks to which it is used in a variety of urban spaces. It combines efficient lighting with an even distribution of light, increasing the safety and comfort of both pedestrians and drivers.

### Check out all our broadcasts

Scan the QR code

# CERTIFIED SOLUTIONS

We are a leading manufacturer of innovative lighting solutions, characterized by exceptional technical parameters and practical advantages. Our products combine modern design with functionality, providing excellent lighting effects. In addition, our products are confirmed by many international certificates that meet the highest industry standards.

Our company is committed to maintaining continuous customer satisfaction and ensuring the highest quality of our products and services. Therefore, our specialists constantly monitor and follow the procedures of the quality system.

## When preparing lighting projects, we take into account:

- Legal provisions
- applicable standards
- Recommendations of the International Commission for Lighting (CIE) and its National Committees
- Environmentally friendly production

Our company is ready to meet the highest requirements and provide you with optimal lighting solutions that meet all standards and expectations.

IP 66 IK 10

# TIARA 2 LED



TIARA 2 LED is the most flexible item in the Lena Lighting road luminaire range.

These fixtures can be used both on motorways and expressways, as well as on national, municipal, local and residential roads. The variety of optics available also allows them to be used to illuminate pedestrian crossings, sidewalks and bicycle paths.

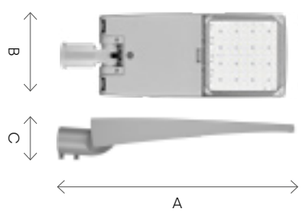


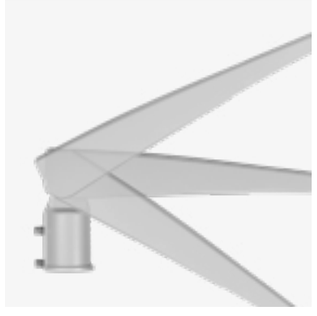
# Tiara 2 LED M

| IP | IK | lm/W |
|---|---|---|
| 66 | 10 | 184 |

| | |
|---|---|
| rated power [W] | 8 - 175 |
| luminous flux [lm] | 1075 - 22925 |
| mounting version | to pole -30°+120°<br>on the boom -120°+30° |
| body material | high-pressure aluminium<br>powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent lens |
| dimensions [mm] | 597/265/105 |

- Tool-free access to the power supply compartment
- Compatible with ClueCITY system (NEMA, ZHAGA connectors)
- Temperature Protection
- Quick disassembly of the optical-electrical part without removing the luminaire



## Pitch angle adjustment

The mounting bracket is attached to housing with two screws, by loosening these screws we have the possibility of adjusting the angle of the housing -30°+30°.



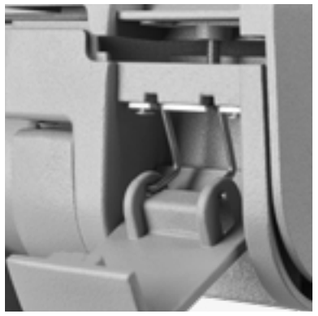
## Fast, innovative assembly

Tool-free access to the interior of the Tiara luminaire translates into ease of servicing.



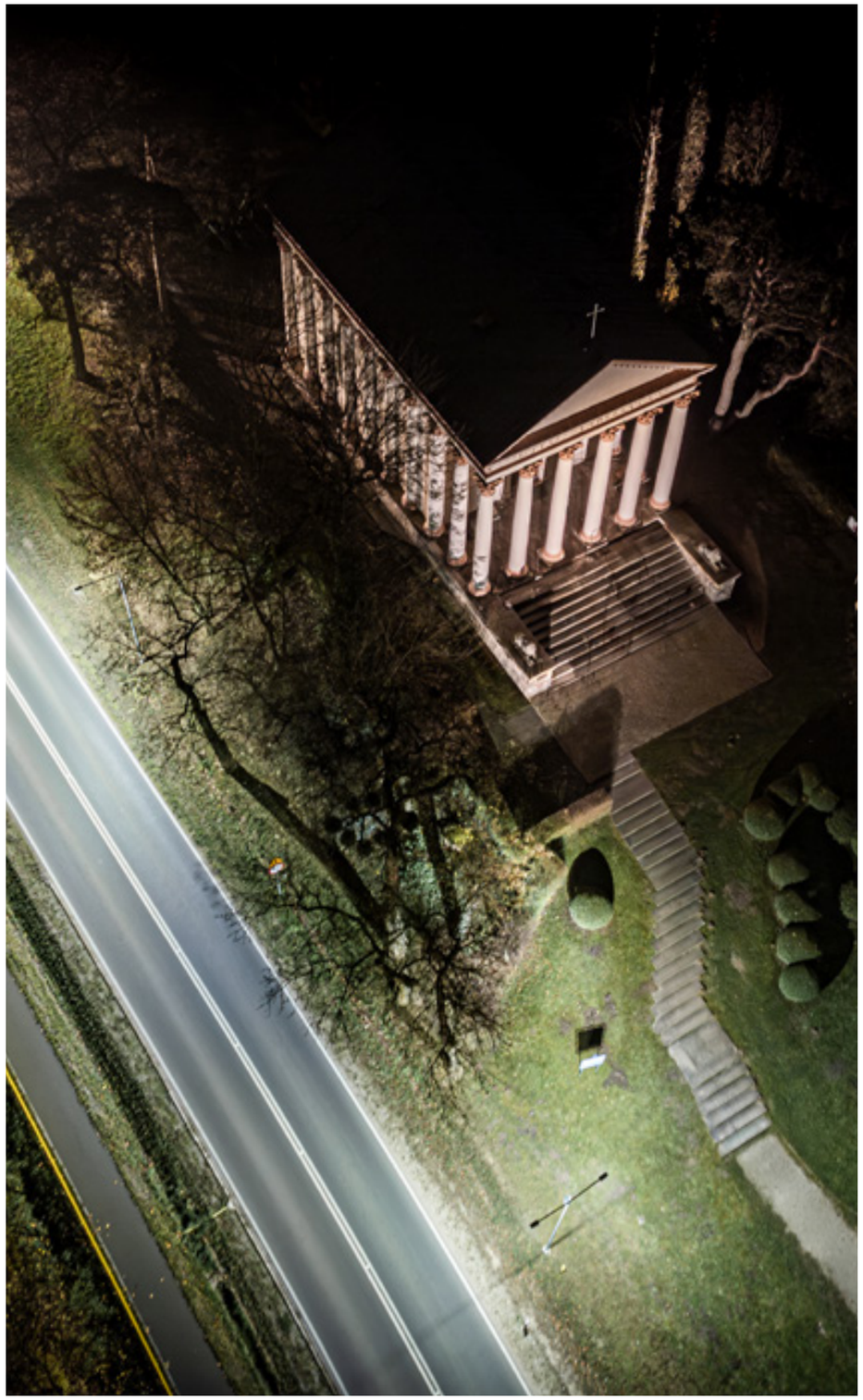
## More efficient sources LED lights

The use of even newer and more efficient LED light sources translates directly to higher energy efficiency Settings



## Solid construction

Tiara 2 LED luminaires are made of the highest quality materials. Reliable and resistant to extreme weather conditions.



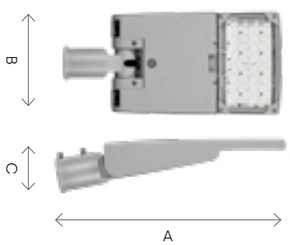


# Tiara 2 LED S

| IP | IK | lm/W |
|---|---|---|
| 66 | 10 | 178 |

| | |
|---|---|
| rated power [W] | 8 - 109 |
| luminous flux [lm] | 1075 - 16150 |
| mounting version | to pole -30 to +120<br>on boom -120 to +30 |
| body material | high-pressure aluminium<br>powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent lens |
| dimensions [mm] | 424/251/105 |

- Tool-free access to the power supply compartment
- Compatible with ClueCITY system (NEMA, ZHAGA connectors)
- Temperature Protection
- Quick disassembly of the optical-electrical part without removing the luminaire



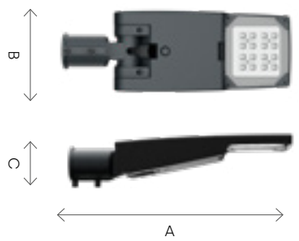


# Tiara 2 LED XS

| IP | IK | lm/W |
|---|---|---|
| 66 | 10 | 168 |

| | |
|---|---|
| rated power [W] | 12 - 54 |
| luminous flux [lm] | 1800 - 7900 |
| mounting version | to pole -30 to +120<br>on boom -120 to +30 |
| body material | high-pressure aluminium<br>powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent lens |
| dimensions [mm] | 424/186/105 |

- Tool-free access to the power supply compartment
- Compatible with ClueCITY system (NEMA, ZHAGA connectors)
- Temperature Protection
- Quick disassembly of the optical-electrical part without removing the luminaire



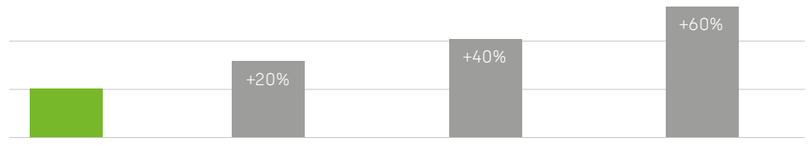

# OPTIMIZED DESIGN

TIARA 2 LED XS is an optimized design and smaller overall size, allowing you to illuminate even more efficiently the most popular traffic situations - reducing both CAPEX and OPEX .

High efficiency, the best urban distribution and proven technical solutions enclosed in an optimal body mean lower total costs associated with the modernization of infrastructure, but also translate into a significant reduction in the carbon footprint. It pays off!




LUMINAIRE SIZES




MATERIALS NEEDED FOR PRODUCTION

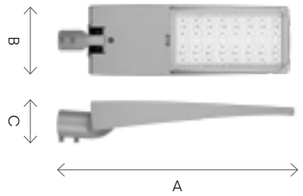


# Tiara 2 LED L

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 169 |

| | |
|---|---|
| rated power [W] | 8 - 330 |
| luminous flux [lm] | 875 - 43375 |
| mounting version | on the pole: -30° to +120°<br>on the boom: -120° to +30°<br>on the DarkSky boom: +10° to -0° |
| body material | high-pressure aluminium<br>powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent lens |
| dimensions [mm] | 839/265/113 |

- Certificates: ENEC, ENEC+, CE, Zhaga (ZD4i)
- Wide range of broadcasts
- high effectivenes
- Tool-free access to accessory compartment
- Compatible with ClueCITY system (NEMA, ZHAGA connectors)
- LED durability: 100,000 h (L90B10)






Lighting system

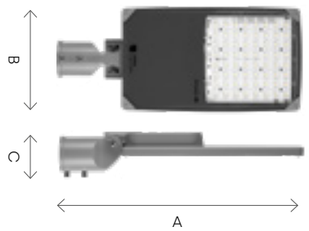


# Strado LED M

IP 66 | IK 10 | lm/W 165

| | |
|---|---|
| rated power [W] | 8 - 157 |
| luminous flux [lm] | 1050 - 23525 |
| mounting version | to the pole, on the boom |
| body material | high-pressure aluminium powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 505/265/60 |

- from reputable manufacturers
- Directional multilens PMMA dies
- Programmable with DALI DRIVER
- Constant luminous flux (CLO) function
- 5-stage power reduction
- Temperature Protection





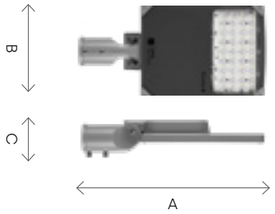



# Strado LED S

IP 66 | IK 10 | lm/W 158

| | |
|---|---|
| rated power [W] | 8 - 109 |
| luminous flux [lm] | 1075 - 13200 |
| mounting version | to the pole, on the boom |
| body material | high-pressure aluminium powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 385/265/60 |

- from reputable manufacturers
- Directional multilens PMMA dies
- Programmable with DALI DRIVER
- Constant luminous flux (CLO) function
- 5-stage power reduction
- Temperature Protection



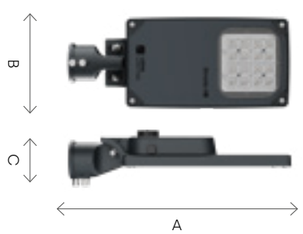


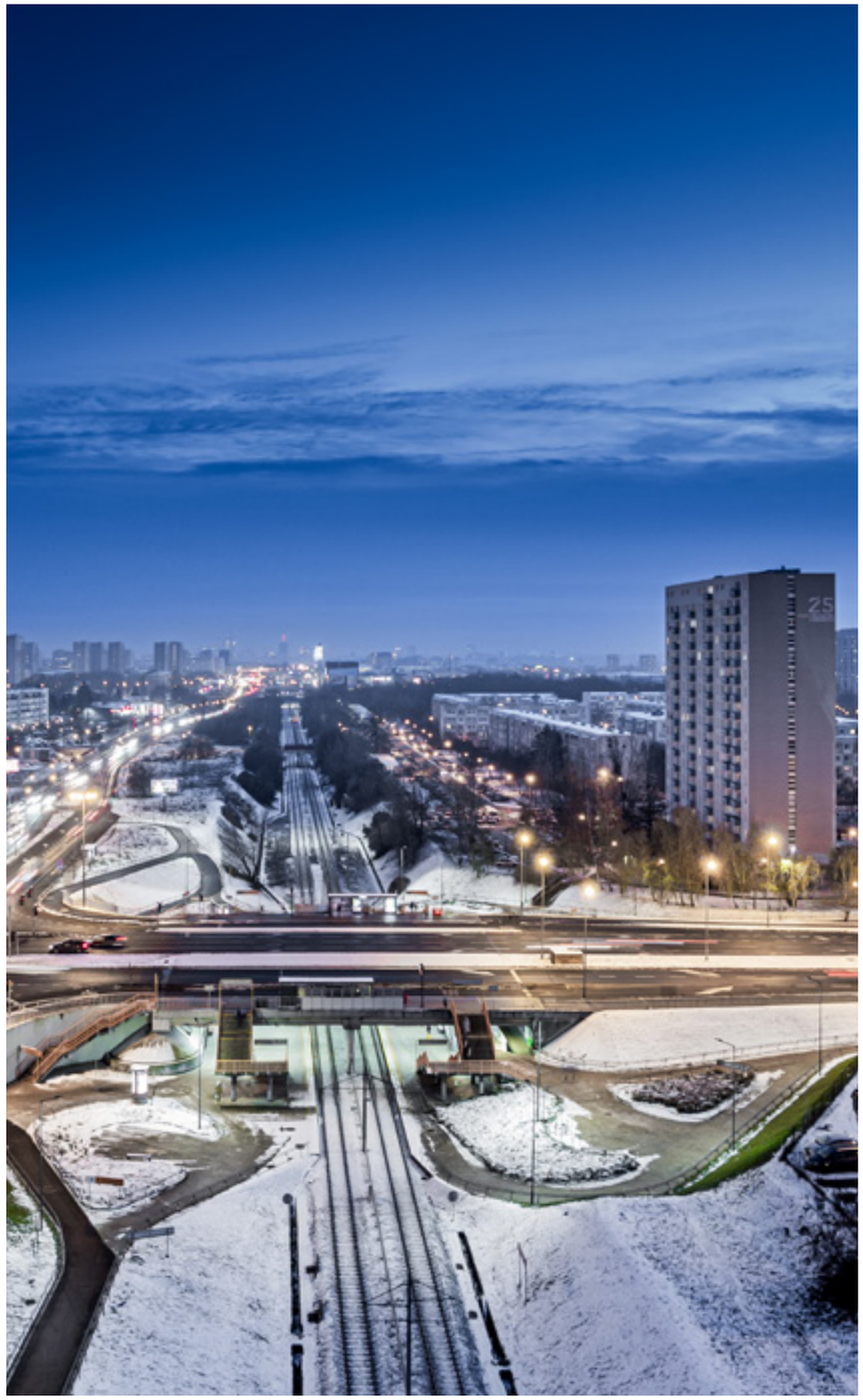
# Strado LED XS

IP 66 | IK 10 | lm/W 168

| | |
|---|---|
| rated power [W] | 8 - 54 |
| luminous flux [lm] | 1250 - 7900 |
| mounting version | to the pole, on the boom |
| body material | high-pressure aluminium powder coated |
| body color | |
| diffuser material | Tempered glass |
| diffuser type | transparent |
| dimensions [mm] | 449/185/85 |

- From reputable manufacturers
- Directional multilens PMMA dies
- Programmable with DALI DRIVER
- Constant luminous flux (CLO) function
- 5-stage power reduction
- Temperature Protection



Lighting system


PAŁAC KULTURY I NAUKI
accenture

**We want to develop the network intelligent lighting**

*"We have come to the conclusion that we must invest in modern lighting in Środa Wielkopolska. It is a hybrid set, i.e. lamps and controls. I think that residents will be satisfied with this investment, if only for aesthetic reasons, because it is not sodium lighting, which we have dealt with in previous years, it is LED lighting. Firstly, efficient, secondly, it gives a very nice, friendly light, and thirdly, measurable savings. We have to look at it in the perspective of a few or a dozen or so years, and these are already very measurable savings, going into the hundreds of thousands or even millions of zlotys."*



**Piotr Mieloch**

Mayor
Środa Wielkopolska









# ŚRODA WIELKOPOLSKA IN A NEW LIGHT

Środa Wielkopolska will shine with a new, better quality light. Thanks to the investment of the municipality's authorities, the Clue system was implemented, consisting of over 170 modern road luminaires Tiara LED and integrated with them, technologically advanced management system.

As a result, the light is delivered in the optimal amount, only when it is needed. The beneficiaries of this investment are both the municipal authorities and the residents themselves. The former, thanks to the very high energy efficiency of the instal LED road luminaires, additionally supported by a wireless control system, save on electricity consumption and maintenance costs. Residents gain light that provides better visibility and supports the safety of road users and sidewalks. They are also sure that the response time of service providers is reduced to a minimum, as they are informed on an ongoing basis by the intelligent system about the need for any intervention.

IP 66 IK 08

# ASTRA LED



ASTRA LED is a modern road luminaire with an energy-saving LED module and High luminous efficacy. The integrated quick connector and power cord allow for quick and easy installation.

Recommended for use in open areas for lighting: streets, local roads, bicycle paths, alleys, sidewalks, parking lots and squares.

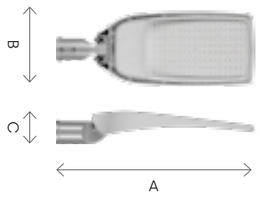


# Astra LED

IP 66 | IK 08 | lm/W 151

| | |
|---|---|
| rated power [W] | 17 - 104 |
| luminous flux [lm] | 2100 - 12800 |
| mounting version | side to boom,<br>top to pole |
| body material | FG |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 640/233/113/60 (76) |

- Basic and budget version of VD with sequential power supply
- Compact size, low weight
- SP10kV protection
- H07RN-F cable (0.7m)
- Quick connector IP66 – quick installation
- Self-cleaning fiberglass (FG) polypropylene body






## Quick installation

Thanks to the use of a tight quick connector and a power cable connected to the luminaire, its assembly is more efficient.



## Self-cleaning body

Self-cleaning, uniform body made of polypropylene (PP) reinforced with glass fiber (GF), which guarantees protection against uV radiation.



## Lens matrices

Directional dies are used in the luminaire lenticular (made of PC polycarbonate).



## Adjustment of the housing angle

The integrated, adjustable handle allows for setting the luminaire at an angle: -5° to +15° (top mounting, on pole), -15° to +5° (side mounting, on the boom).



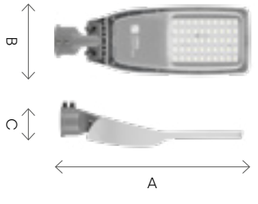



# Astra LED S

| IP | IK | lm/W |
|---|---|---|
| 66 | 08 | 164 |

| | |
|---|---|
| rated power [W] | 12 - 34 |
| luminous flux [lm] | 1700 - 5300 |
| mounting version | side to boom,<br>top to pole |
| body material | PP+15% GF |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 500/175/75 |

- Self-cleaning polypropylene body
- The integrated handle, adjustable in steps of 5 degrees, allows adjustment in the range of: -5° to +15° (top, on the pole);
  -5° to +15° (side, on the boom)
- H07RN-F cable with a length of 0.7 m



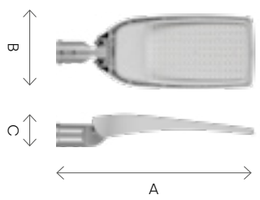


# Astra LED Alu

| | |
|---|---|
| rated power [W] | 17 - 125 |
| luminous flux [lm] | 2100 - 15500 |
| mounting version | side to boom,<br>top to pole |
| body material | Powder-coated aluminium |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 640/233/113/60 (76) |

| IP | IK | lm/W |
|---|---|---|
| 66 | 08 | 151 |

- Compact size and lightweight design
- SP10kV surge protection
- H07RN-F cable, length 0.7 m
- Quick connector IP66 for quick installation
- Self-cleaning aluminium body






The use of Astra LED Alu luminaires



# PARK AND CITY LIGHTING

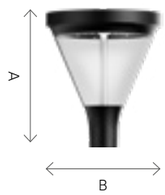


# Skver LED S (A)

IP 66 | IK 10 | lm/W 145

| | |
|---|---|
| rated power [W] | 16 - 54 |
| luminous flux [lm] | 2100 - 7400 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 427/360/360 |

- Universal park light distribution with all-round lighting
- Increased CRI80 color rendering index
- Simple installation on poles fi 48–76, 1.5 m cable as standard



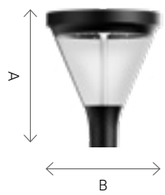



# Skver LED S (F)

IP 66 | IK 10 | lm/W 159

| | |
|---|---|
| rated power [W] | 8 - 54 |
| luminous flux [lm] | 1125 - 7400 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 427/360/360 |

- Omni-directional and targeted distributions to match lighting to a variety of spaces
- Available CRI70 and elevated CRI80 versions
- Tool-free access to the attachment chamber significantly facilitating operation and service



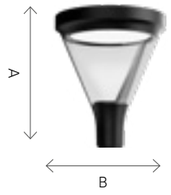


# Skver LED S (L)

IP 66 | IK 10 | lm/W 159

| | |
|---|---|
| rated power [W] | 14 - 54 |
| luminous flux [lm] | 2150 - 7650 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 427/360/360 |

- Omni-directional and targeted broadcasts adapted to illuminate parks, streets and urban spaces
- Available CRI70 and elevated CRI80 versions
- Tool-free service plate compliant with ZhagaBook13/15 standard for faster service




DESIGN AWARD 2025




Skver LED lighting in the port



# Skver LED S (Z1 WJ)

IP 66 | IK 10 | lm/W 170

| | |
|---|---|
| rated power [W] | 8 - 54 |
| luminous flux [lm] | 1075 - 7650 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 461/360/216 |

- An urban design that gives the space a modern character
- and aesthetic character
- Architectural quality of workmanship for durability and attractive appearance
- Tool-free service plate in ZhagaBook13/15 standard for easy service




DESIGN AWARD 2025



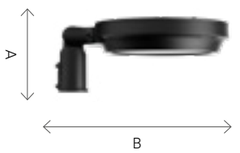


# Skver LED S (Z1 MF)

IP 66 | IK 10 | lm/W 156

| | |
|---|---|
| rated power [W] | 8 - 54 |
| luminous flux [lm] | 975 - 7025 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | toughened-glass pane |
| diffuser type | PMMA lens |
| dimensions [mm] | 461/360/188 |

- Round luminaire with an urban design, distinguished by its elegant form and total ULR = 0
- Architectural quality of workmanship allowing for aesthetic integration into the space
- Adjustable mounting bracket for installation on poles and booms fi 48–76




DESIGN AWARD 2025

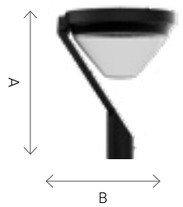


# Skver LED S (Z2 WJ)

IP 66 | IK 10 | lm/W 170

| | |
|---|---|
| rated power [W] | 8 - 54 |
| luminous flux [lm] | 1075 - 7650 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 386/360/476 |

- Distinctive urban luminaire design
- Architectural workmanship for reliability and a sleek look
- Tool-free service plate compliant with the ZhagaBook13/15 standard facilitating technical work





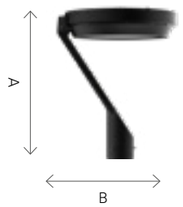



# Skver LED S (Z2 MF)

IP 66 | IK 10 | lm/W 156

| | |
|---|---|
| rated power [W] | 8 - 54 |
| luminous flux [lm] | 975 - 7025 |
| mounting version | post |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | toughened-glass pane |
| diffuser type | PMMA lens |
| dimensions [mm] | 386/360/476 |

- Modern urban luminaire design, ULR = 0
- Architectural workmanship for durability and high product aesthetics
- Tool-free service plate compliant with ZhagaBook13/15 standard for simple service



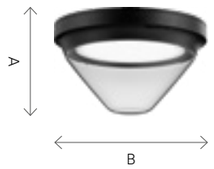


# Skver LED S (R WJ)

IP 66 | IK 10 | lm/W 163

| | |
|---|---|
| rated power [W] | 13 - 54 |
| luminous flux [lm] | 1700 - 7650 |
| mounting version | suspended |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 316/363/363 |

- Architectural workmanship for an aesthetic look in urban space
- Omni-directional and targeted distributions offering versatility in applications
- Tool-free service plate in ZhagaBook13/15 standard facilitating service work




DESIGN AWARD 2025



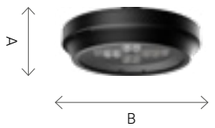


# Skver LED S (R MF)

IP 66 | IK 10 | lm/W 138

| | |
|---|---|
| rated power [W] | 19 - 50 |
| luminous flux [lm] | 2250 - 6700 |
| mounting version | suspended |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | toughened-glass pane |
| diffuser type | PMMA lens |
| dimensions [mm] | 427/360 |

- Architectural workmanship, ULR = 0
- Omni-directional and targeted distributions to match the lighting effect to the installation site
- Tool-free service plate in ZhagaBook13/15 standard facilitating service work




DESIGN AWARD 2025

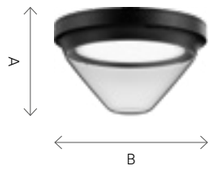


# Skver LED S (R2 WJ)

IP 66 | IK 10 | lm/W 161

| | |
|---|---|
| rated power [W] | 19 - 50 |
| luminous flux [lm] | 2725 -7400 |
| mounting version | an der Tragseil |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | PC |
| diffuser type | PMMA lens |
| dimensions [mm] | 316/363/363 |

- Architectural workmanship for an aesthetic look in urban space
- Omni-directional and targeted distributions offering versatility in applications
- Tool-free service plate in ZhagaBook13/15 standard facilitating service work




DESIGN AWARD 2025



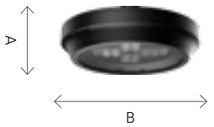


# Skver LED S (R2 MF)

IP 66 | IK 10 | lm/W 142

| | |
|---|---|
| rated power [W] | 19 - 50 |
| luminous flux [lm] | 2400 - 6700 |
| mounting version | an der Tragseil |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | szyba hartowana |
| diffuser type | PMMA lens |
| dimensions [mm] | 316/363/363 |

- Architectural workmanship, ULR = 0
- Omni-directional and targeted distributions to match the lighting effect to the installation site
- Tool-free service plate in ZhagaBook13/15 standard facilitating service work




DESIGN AWARD 2025



# Skver LED PRO

| IP | IK | lm/W |
|---|---|---|
| 66 | 10 | 163 |

| | |
|---|---|
| rated power [W] | 4 - 175 |
| luminous flux [lm] | 575 - 27575 |
| mounting version | post/on a pole |
| body material | Aluminium (powder coated) |
| body color: | ■ |
| diffuser material | toughened-glass pane |
| diffuser type | PMMA lens |
| dimensions [mm] | ø520, ø620 |

- Available versions: Z1, Z2, V, and R
- Modular design—allows for the addition of diffusers, modules, and canopies
- Precision PMMA optics
- Standard knife switch
- Easy maintenance and high durability—Zhaga modules can be replaced without disassembly; IK10 housing
- Certifications: ENEC, ENEC+, Zhaga-D4i and EPD








# Skver LED PRO Z1

IP 66 | IK 10 | lm/W 168

| | |
|---|---|
| rated power [W] | 4 - 175 |
| luminous flux [lm] | 575 - 27575 |
| mounting version | post |
| body material | aluminium |
| body color: | ■ |
| diffuser material | toughened-glass pane 5mm |
| diffuser type | PC/PMMA |
| dimensions [mm] | 520/664/276 |

- A round luminaire with an urban design, distinguished by its elegant form and a ULR rating of 0
- Architectural-quality craftsmanship that allows for seamless integration into the space
- An adjustable mounting bracket that allows for installation on poles and booms with diameters of 48–76








# Skver LED PRO Z2

IP 66 | IK 10 | lm/W 168

| | |
|---|---|
| rated power [W] | 4 - 175 |
| luminous flux [lm] | 575 - 27575 |
| mounting version | post |
| body material | aluminium |
| body color: | ■ |
| diffuser material | toughened-glass pane 5mm |
| diffuser type | PC/PMMA |
| dimensions [mm] | 520/705/110 |

- Modern, urban luminaire design; ULR = 0
- Architectural-quality craftsmanship ensuring the product's durability and high aesthetic appeal





# Skver LED PRO V

IP 66 | IK 10 | lm/W 168

| | |
|---|---|
| rated power [W] | 4 - 175 |
| luminous flux [lm] | 575 - 27575 |
| mounting version | post |
| body material | aluminium |
| body color: | ■ |
| diffuser material | toughened-glass pane 5mm |
| diffuser type | PC/PMMA |
| dimensions [mm] | 520/705/110 |

- Modern, urban luminaire design; ULR = 0
- Architectural-quality craftsmanship ensuring the product's durability and high aesthetic appeal








# Skver LED PRO R

IP 66 | IK 10 | lm/W 168

| | |
|---|---|
| rated power [W] | 4 - 175 |
| luminous flux [lm] | 575 - 27575 |
| mounting version | suspended |
| body material | aluminium |
| body color: | ■ |
| diffuser material | toughened-glass pane 5mm |
| diffuser type | PC/PMMA |
| dimensions [mm] | 520/234 |

- A round luminaire with an urban design, distinguished by its elegant form and a ULR rating of 0
- An adjustable mounting bracket that allows for installation on poles and booms with diameters of 48–76
- A knife switch that disconnects the power when the electrical compartment is opened









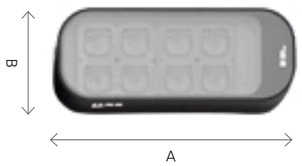


# Verti Light

| IP | IK | lm/W |
|---|---|---|
| 66 | 05 | 110 |

| | |
|---|---|
| rated power [W] | 2 - 8 |
| mailing | RN1 i 30D |
| luminous flux [lm] | 200 - 550 |
| mounting version | on the edge of the frame |
| body material | UV-F1 polycarbonate |
| diffuser material | toughened-glass pane 5mm |
| dimensions [mm] | 162/72/84 |
| lens type | PC/PMMA |

- Color temperature: 2200 K, 2700 K, 3000 K
- Beam angle: 90° - 120°, optional asymmetric beam
- Installation and communication: Zhaga Book 18 or NEMA interface, powered via Zhaga connector






Generated using AI.



# Constelia LED

| | |
|---|---|
| rated power [W] | 8 - 76 |
| luminous flux [lm] | 1125 - 10150 |
| mounting version | post/on a pole |
| body material | Aluminium (powder coated) |
| body color | ■ |
| diffuser material | toughened-glass pane |
| diffuser type | PMMA and PC |
| dimensions [mm] | 425/827 |

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 150 |

- Stylized and durable LED park-urban luminaire
- Quick module replacement without disassembly and soldering
- Rugged housing IP66, IK09, powder coating
- Options: DALI, ZHAGA, CLO, SP10kV, RAL, CE, RoHS, ENEC






Constelia LED, Darłowo





Constelia LED R, Darłowo



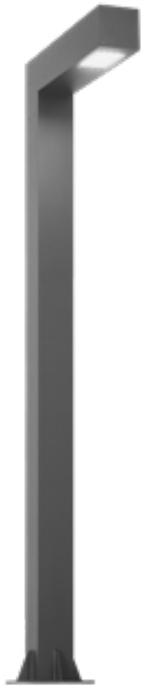
# Constelia LED R

| IP | IK | lm/W |
|---|---|---|
| 66 | 09 | 150 |

| | |
|---|---|
| rated power [W] | 8 - 76 |
| luminous flux [lm] | 975 - 10650 |
| mounting version | post/on a pole |
| body material | Aluminium (powder coated) |
| body color | ■ |
| diffuser material | toughened-glass pane |
| diffuser type | PMMA and PC |
| dimensions [mm] | 425/765 |

- Stylized and durable LED park-urban luminaire
- Quick module replacement without disassembly and soldering
- Rugged housing IP66, IK09, powder coating
- Options: DALI, ZHAGA, CLO, SP10kV, RAL, CE, RoHS, ENEC



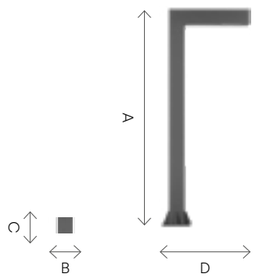


# Altezzo L 150

IP 65 | IK 09 | lm/W 122

| | |
|---|---|
| rated power [W] | 32 - 82 |
| luminous flux [lm] | 3600 - 10700 |
| mounting version | on the foundation |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 2500, 3000, 3500, 4000, 5000/150/150/800 |

- Beam angle 110°
- Different light streams and distributions
- Operating at -30°C to +50°C and harsh environments
- Versions with 2, 3 or 4 modules on one or different heights





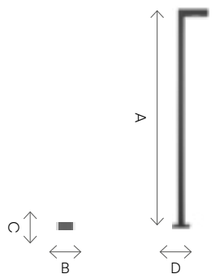


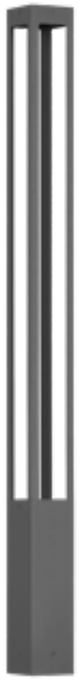

# Altezzo L 100

IP 65 | IK 09 | lm/W 117

| | |
|---|---|
| rated power [W] | 6 - 12 |
| luminous flux [lm] | 650 - 1400 |
| mounting version | on the foundation |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 600, 900, 1200, 1500/100/40/200 |

- Beam angle 110°
- Different light streams and distributions
- Operating at -30°C to +50°C and harsh environments
- Versions with 2, 3 or 4 modules on one or different heights





# Altezzo A 150

IP 65 | IK 09 | lm/W 109

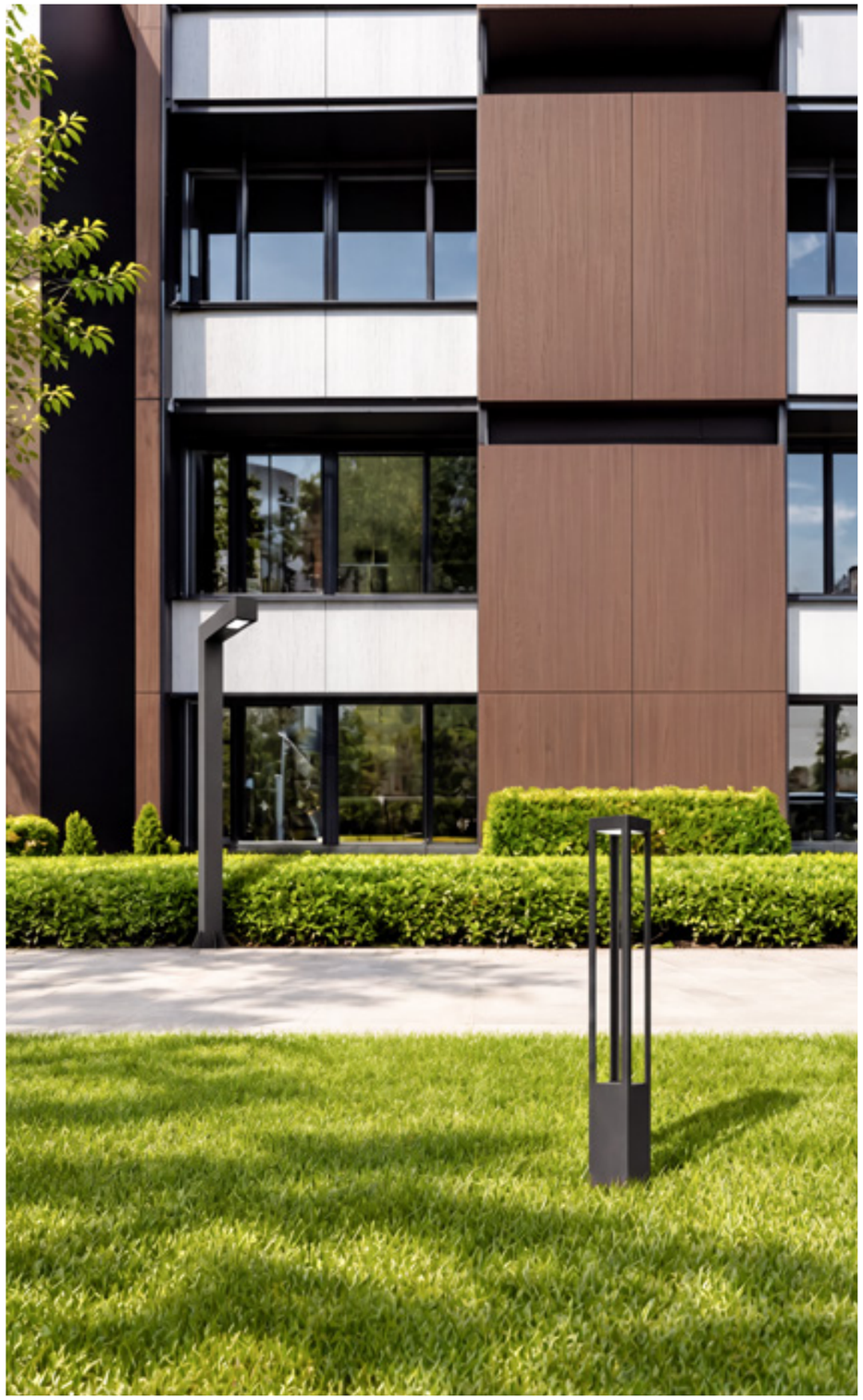
| | |
|---|---|
| rated power [W] | 10 - 42 |
| luminous flux [lm] | 1100 - 4000 |
| mounting version | on the foundation |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 150/150/600, 150/150/900, 150/150/1200, 150/150/1500, 150/150/2000, 150/150/2500, 150/150/3000 |

- They can work in very low and high temperatures
- The light module consists of high durability LEDs with a durable polycarbonate screen
- They will work well in parks and gardens for illuminating small architecture






Visualisation of Altazzo family luminaires



Examples of use of Altezzo luminaires



# Altezzo A 120

| IP | IK | lm/W |
|---|---|---|
| 65 | 08 | 96 |

| | |
|---|---|
| rated power [W] | 8 - 13 |
| luminous flux [lm] | 850 - 1200 |
| mounting version | on the foundation |
| body material | aluminum |
| body color | ■ |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 120/120/600, 120/120/900, 120/120/1200, 120/120/1500 |

- They can work in very low and high temperatures
- The light module consists of high durability LEDs with a durable polycarbonate screen
- They will work well in parks and gardens for illuminating small architecture





# Bollard Skver LED (A)

IP 66 | IK 09 | lm/W 139

| | |
|---|---|
| rated power [W] | 10 - 30 |
| luminous flux [lm] | 1050 - 4175 |
| mounting version | on the foundation / in the ground |
| body material | aluminium |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 500/ø182, 1000/ø182 |

- Directional multi-lens arrays made of PMMA
- Lighting up to 180°, pole spacing up to 20 m
- Compliance with the Zhaga Book standard, easy maintenance








# Bollard Skver LED (Z2)

IP 66 | IK 09 | lm/W 68

| | |
|---|---|
| rated power [W] | 10 - 30 |
| luminous flux [lm] | 450 - 1400 |
| mounting version | on the foundation / in the ground |
| body material | aluminium |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 500/ø135, 1000/ø135 |

- Directional multi-lens arrays made of PMMA
- Lighting up to 180°, pole spacing up to 20 m
- Compliance with the Zhaga Book standard, easy maintenance





# Ilumi Ground

IP 67 | IK 10 | lm/W 120

| | |
|---|---|
| rated power [W] | 17, 30 |
| luminous flux [lm] | 1390 - 3550 |
| mounting version | For dirt |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | ø216.5, ø148, ø92 |

- A product based on LEDs from the renowned American company CREE® IP67
- The housing is made of ADC12 aluminum






# Ilumi Spot

IP 67 | IK 10 | lm/W 125

| | |
|---|---|
| rated power [W] | 17, 30 |
| luminous flux [lm] | 1390 - 2750 |
| mounting version | on the foundation |
| body material | aluminum |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | ø194, ø130, ø76 |

- A product based on LEDs from the renowned American company CREE® IP67
- The housing is made of ADC12 aluminum



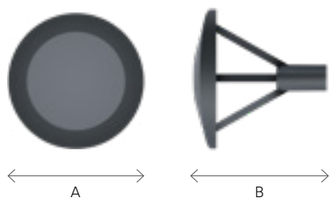


# Leo Park LED

IP 65 | IK 07 | lm/W 123

| | |
|---|---|
| rated power [W] | 30 - 48 |
| luminous flux [lm] | 3200 - 5400 |
| mounting version | gable to pole |
| body material | aluminum |
| body color | |
| diffuser material | PMMA |
| diffuser type | transparent lens |
| dimensions [mm] | ø400/430 |

- Degree of impact resistance
- Round, compact aluminum housing
- Light distributions available: ASM1; RM2; SM1





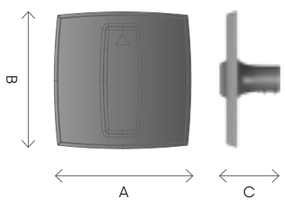



# Mitra LED

IP 66 | IK 07 | lm/W 132

| | |
|---|---|
| rated power [W] | 13 - 62 |
| luminous flux [lm] | 1550 - 7250 |
| mounting version | gable to pole |
| body material | FG |
| body color | |
| diffuser material | PC |
| diffuser type | transparent lens |
| dimensions [mm] | 398/398/175 |

- Two types of shade – iridescent and transparent
- Over Voltage Protection
- H07RN-F cable with a length of 0.6m
- Smooth, dirt-resistant surface
- The use of a tight IP66 quick connector allows for instant assembly





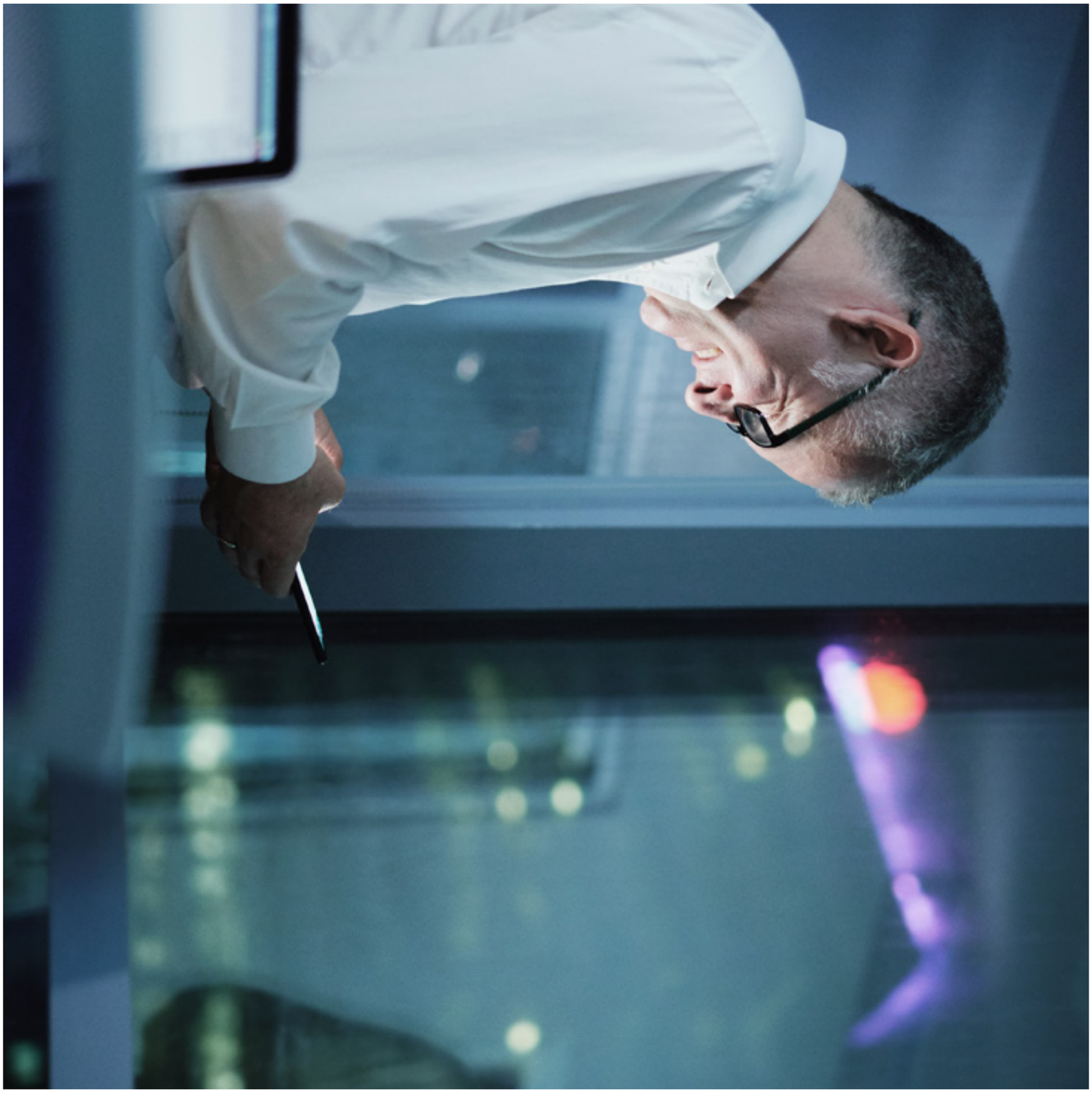
# Solar Kit

| IP | IK | lm/W |
|---|---|---|
| 66 | 10 | 165 |

| | |
|---|---|
| rated power of the luminaire [W] | 3 - 54 |
| power of solar panels [W] | min. 100 |
| angle adjustment tilt | from -90° to +90° |
| rotation adjustment | 360° |
| body material | powder-coated aluminum |
| battery type | lithium-ion / LiFePO4 |
| lampshade material | tempered glass |
| light fixture suspension height | min. 5 m |

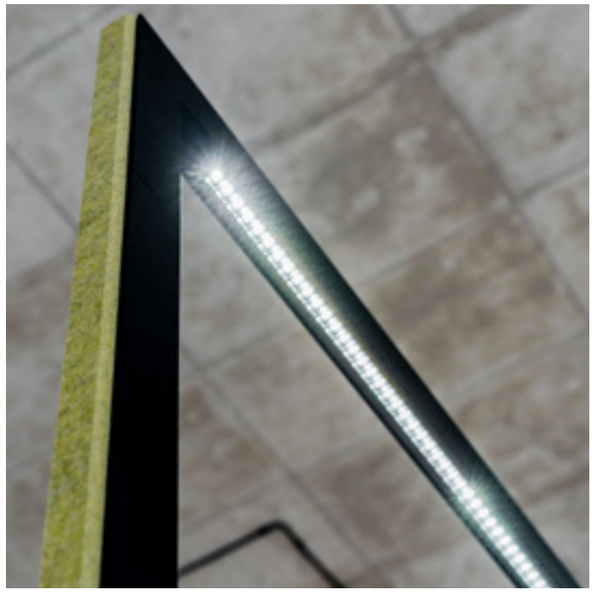
- Modular design that allows for flexible expansion and adaptation to various applications
- Ultra-lightweight aluminum alloy with high mechanical strength
- Quick and easy installation and configuration
- Independently adjustable LED fixture—position the light source regardless of the solar panel's orientation





# LIGHTING CONTROL





TUNABLE WHITE

# TUNABLE WHITE

Tunable White technology is an intelligent lighting solution that allows smooth regulation of the color temperature of light – from warm (approx. 2700 K) to cool (up to 6500 K). This allows you to recreate the daylight cycle and ensure visual comfort and well-being throughout the day.

| LIGHT **WARM** | | LIGHT **NEUTRAL** | | LIGHT **COLD** | |
|---|---|---|---|---|---|
| **2700 K** | **3200 K** | **3300 K** | **4500 K** | **4600 K** | **6500 K** |

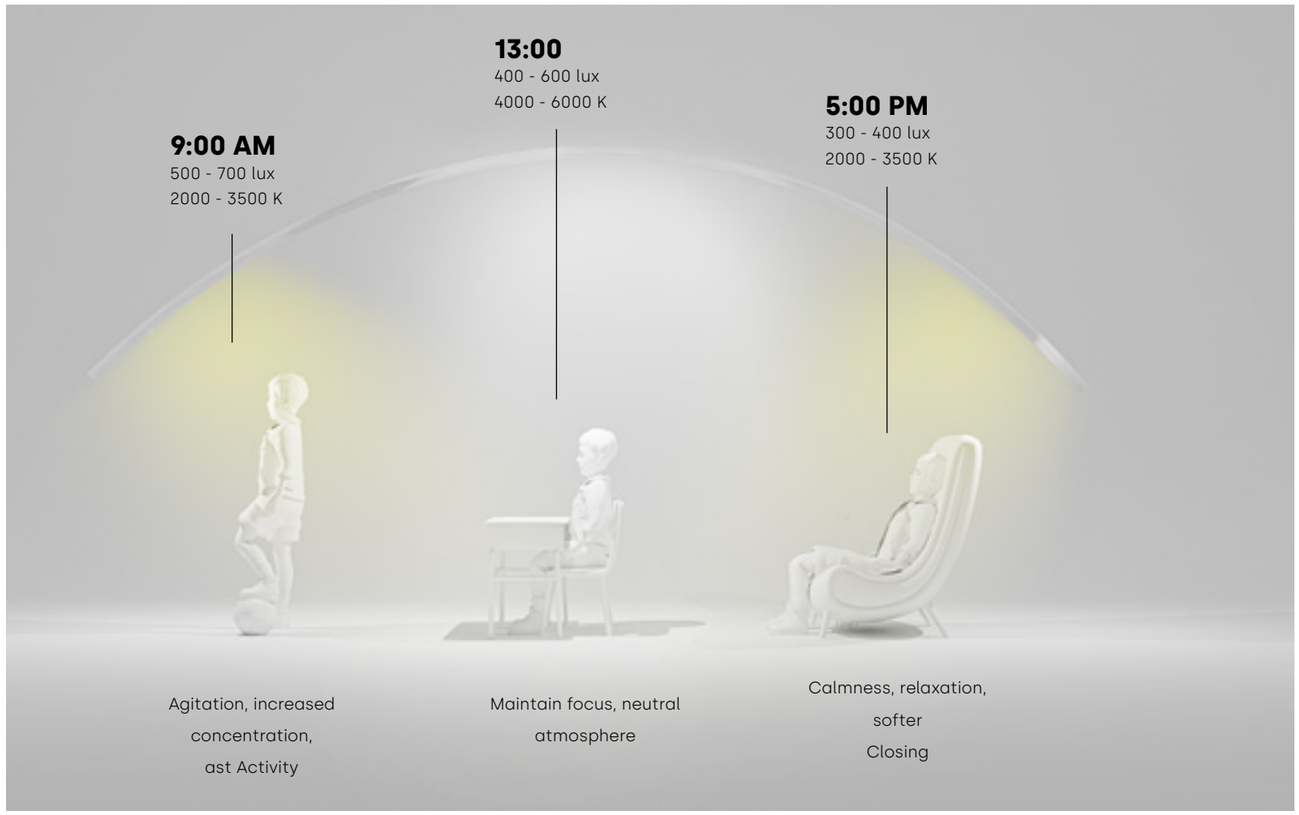
warm light
promotes relaxation

neutral light
supports the communication process

cool and bright light
enhances concentration

- Smooth adjustment of light color
- Recreating the natural daily cycle
- Improved visual comfort
- Well-being effects
- Lighting control:

# HUMAN CENTRIC LIGHTING AND DAYLIGHT HARVESTING




Today, the role of light is not limited to illuminating space. It is also supposed to take care of the well-being of users, especially when weather conditions are unfavorable and interfere with the efficiency of everyday functioning.

And this is where Human Centric Lighting comes into play, a concept focused on individual human needs, which with the help of light helps to build a sense of balance every day.

Natural light changes colour during the day. In the morning, it adopts a warm shade, which is modified over time, reaching maximum intensity and white color around noon. At sunset, it returns to warm shades, and its intensity decreases.

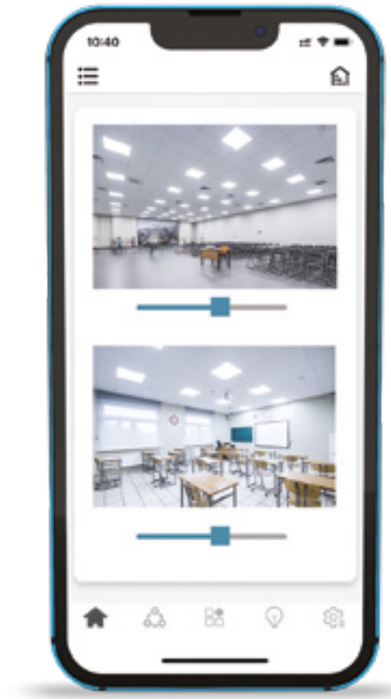
Human Centric Lighting solutions allow you to create spaces that perfectly harmonize with natural lighting, coming from the outside. They adjust the color and intensity of light to the time of day. (cool light before noon stimulates activity, stimulates concentration, warmer in the afternoon promotes calmness). They will also help minimize the negative effects of darker and "shorter" days.

**The condition for the use of the ideal daily rhythm of man is the full harmony and cooperation of LED light with natural sunlight.**

The Daylight Harvesting system, on the other hand, automatically uses daylight to reduce the electricity consumption needed for artificial lighting. The sensors constantly monitor the intensity of natural light and dynamically adjust the work of the luminaires – for example, dimming them when more sun comes in through the windows. Thanks to this, the rooms are always properly illuminated and energy consumption is significantly reduced.

Energy efficiency and climate neutrality remain an extremely important issue in the area of lighting. The Human Centric Lighting and Daylight Harvesting solutions also allow you to optimize the costs associated with electricity consumption, and as a result generate visible savings and care for the environment by reducing $CO_2$ emissions.

# LIGHT UNDER CONTROL






APP

Smartphone

Clue is a technologically advanced system that remotely manages and controls lighting fixtures. It optimizes energy use and monitors the condition of each luminaire.

It's intuitive, reliable, wireless, and secure. Provides accurate real-time control of lighting infrastructure. The cloud-based interface is available to the administrator at all times and from any device connected to the Internet.

## DALI-2

DALI (Digital Addressable Lighting Interface) is a fully digital communication protocol enabling communication between the end elements of the installation (lamps) and the control system, regardless of the technological solutions used. It allows you to create complete lighting systems based on components from any manufacturer and produce even the most complex lighting systems.

## Internet of Things (IoT)

Clearly identifiable items can directly or indirectly collect, process and exchange data via electrical installation, KNX smart, computer network or DALI. The system allows remote control from mobile devices and is compatible with existing BMS systems, e.g. KNX It also allows you to control larger installations through an interface running on a PC platform, which allows you to manage the peripherals of building automation.

## Corridor function

The operation of a two-beam lamp (with a corridor function) is based on a two-circuit architecture or a dimmable driver cooperating with a motion sensor. The lamp works, for example, in 10/100 mode – at rest it shines with 10% power, and after detecting movement it smoothly passes to 100%. This solution works where constant, minimal backlighting of the monitored area is needed.

## 10GE SFP (1)

Most LED lights can be armed with a 1-10V dimmable DIMM power supply. Full use of the wide possibilities offered by modern LED modules can only be achieved by connecting the lamps to the 1-10V CONTROL analog lighting control system. Thanks to this, we can control each lamp individually or in groups and maximize savings without negatively affecting the durability of LED modules.

## PIR sensor 500W

Directional passive infrared sensor for precise lighting control. It works in a specific area, minimizing false excitations. It allows you to adjust the light intensity (day-night), operating time (shutdown delay) and detection range. It also allows you to set the monitoring direction. Thanks to this, you can optimize the operating mode of the lamp and save up to 90% energy.

## Tunable White

Tunable White (Human Centric Lighting) is a technology that allows you to control the color (temperature) and luminous flux of a lamp or group of lamps, imitating natural light that changes during the day. It allows you to adjust the lighting to your current needs and activities, regardless of the time of day. The lamp contains two types of diodes, and the color and flux are controlLED via the DALI bus from the touch panel or application. It is possible to control manually or by programmed scenes.

## Sensor

The built-in, invisible microwave sensor automatically controls the lighting, reducing energy consumption by up to 90%. Mounted inside the lamp – does not affect the tightness or life of the LED. It allows you to adjust the light intensity, operation time and detection range. Also available in Bluetooth version, with corridor function and daylight harvest. It occurs as a component or a ready-made stand-alone module.

## Intelligent lighting management system

The system enables significant energy savings thanks to the use of daylight and automatic switching off of lighting in the absence of presence. It contains three advanced sensors connected to a controller with ready-made operating modes. The control takes place via the DALI protocol, ensuring convenience and energy savings of up to 75%. The light sensor adjusts the light intensity to the daytime conditions, without causing discomfort. The high-precision motion sensor works with the delay function to optimize performance in offices.

## Technology at the service of your city

We offer comprehensive solutions perfectly suited to your city, because we know perfectly well that each of them is unique. We offer intelligent city lighting control systems based on a variety of communication technologies, in terms of functionality and billing, selected to achieve your goals in the most optimal way. Contact us to learn how we can work together to prepare your city for the challenges of the future



# IT'S REALLY MATTERS

We produce in accordance with the highest environmental standards.

## ECO FRIENDLY

Awareness of how important environmental behaviors are for us and future generations motivates us to put maximum effort to both offer the highest quality, energy-efficient products, as well as to ensure that the entire process and technology of their production does not have a negative impact on the ecosystem.

Our efforts and their effectiveness have been confirmed by the ISO 14001 certificate. This means that Lena Lighting has successfully implemented an environmental management system. The overriding objective of this system is to create conditions for the functioning of the enterprise in order to minimize the negative impact on the natural environment. We have already succeeded, but we continue and will continue to invest in technology and knowLEDge, one of the goals of which is to care for the environment.

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## TECHNICAL MARKINGS

| IP | IK | lm/W |
|---|---|---|
| 20 | 03 | 134 |
| Ingress protection (IP) | Degree of impact resistance | Efficacy light |

## ADDITIONAL INFORMATION

All our products meet the requirements of the European Union declaration. The parameters of the lamps are given within the tolerance allowed by the standard. The manufacturer reserves the right to change the parameters of the product to not worse ones, in the course of its improvement and to structural changes or modernization. The materials presented in the folder are not a commercial offer. The full, current offer of Lena Lighting along with the current parameters can be found at www.lenalighting.com

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