



Lighting of Retail Parks

LUG Light Factory

We are a manufacturer of LED lighting for professional applications with more than 35 years of experience. Since 1989, we have been going off the beaten track and deliver breakthrough sustainable lighting solutions. We are present in more than 75 markets around the world, delivering the most demanding projects. Our extensive product portfolio, which includes more than 6,000 different versions of luminaires, our vast knowledge and experience allow us to provide comprehensive solutions and services of the highest quality. In addition to a wide range, professional lighting solutions, we offer consulting from our team of lighting designers, architects and technical advisors. As a result, we are able to provide support at every stage, even the most complex projects.

LUG is a lighting brand inspired by passion, ambition and entrepreneurial spirit.

We operate internationally, with our regional offices located in 6 countries. We take a comprehensive approach to our solutions, from concept to finished product in the Administration, Production and Warehouse Center in Zielona Gora and at the Research and Production Center in Nowy Kisielin near Zielona Gora. Our third factory is located in Argentina. We specialize in infrastructure, industrial and architectural lighting, both indoor and outdoor applications. Our products illuminate roads, parks, factories, buildings, commercial spaces and architectural and sports facilities around the world. Commercial lighting is a key element of any space, both outdoor and indoor, having a significant impact on the atmosphere, productivity and overall aesthetics of the place. In today's dynamic environment, proper lighting not only serves a practical function, but is also an important part of a company's marketing, image and sales strategy.

Show your business to customers in a perfect light, with us you will achieve success!

Why us?

By choosing us, you are betting on cooperation with an experienced industry leader and products in line with the latest design trends and technology! Innovation is our hallmark.

Our lighting solutions are tailored to the unique needs of each project, making each space shine brightest.

Aesthetics, functionality and design:



Lighting that highlights architecture and sales areas. Products with a modern design that blends well with different styles arrangements, highlighting the attractiveness of the spaces, encouraging longer stays.

Energy efficiency:



Reduction in operating costs thanks to the highest quality LED technology and dedicated control systems of up to more than 80%. Sustainable solutions in line with environmental trends, helping to achieve LEED (Leadership in Energy and Environmental Design) or BREEAM (Building Research Establishment Environmental Assessment Method) certification.

Safety and comfort:



Excellent space lighting for visual comfort. Dedicated solutions from the area of emergency lighting increase the sense of security. Lighting of car parks and pedestrian routes allow customers to get to and from retail spaces safely.

Innovative technologies:



Modern solutions based on the latest lighting technologies, such as HI-CRI solutions, smart lighting and Human Centric Lighting, increase the attractiveness of the products on display and enhance the comfort and well-being of customers.

Tailor-made solutions



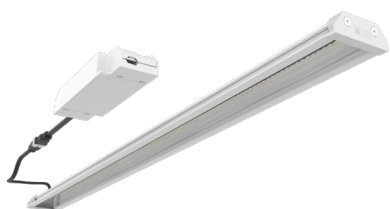
Custom or bespoke products - customized lighting solutions that take into account the specifics of your facility, type of business and aesthetic preferences.



Selected products

Correct lighting of commercial facilities

according to PN-EN-12464-1 norm



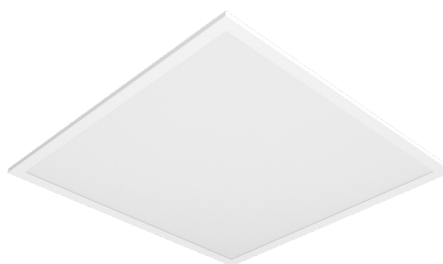
LINER



TINO 2.0



VOLICA 2.0



LUGCLASSIC SLIM HE



SECURA



POWERLUG



AVENIDA



INTO

1

Sales area

- Em - 300 lx
- UGR < 22
- Ra ≥ 80
- Uo ≥ 0,40

2

Changing rooms

- Em - 300 lx
- Uo ≥ 0,40
- Ra ≥ 90

3

Checkout area

- Em - 500 lx
- UGR < 19
- Ra ≥ 80
- Uo ≥ 0,60

4

Packaging area

- Em - 500 lx
- UGR < 22
- Ra ≥ 80
- Uo ≥ 0,60

5

Storage area

- Em - 300 lx
- UGR < 25
- Ra ≥ 80
- Uo ≥ 0,40

6

Car park

- Em - 20 lx
- RGL < 50
- Ra ≥ 20
- Uo ≥ 0,25





**Sales area lighting -
the key to an attractive and efficient space.**

**First impressions matter a great deal, and appropriate
lighting of store aisles plays a key role in this.
LINER luminaire guarantees even illumination of
sales areas, customer safety and the comfort of shopping.**

Sales area



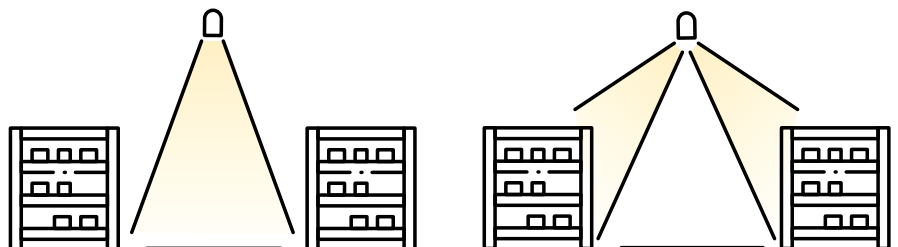
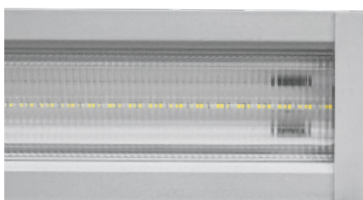
A key space for both the investor and customers. Typically, due to its area, it generates the highest energy consumption therefore it is important to use the most precise and efficient solutions. Especially since the replacement of T5 and T8 fluorescent lamps is becoming not just a privilege but an obligation due to the EU ban on the sale of fluorescent lamps.

LINER

LINER is the latest item with its application mainly in retail spaces equipped with modular ceilings. The main audience is non-food discounters, convenience stores and drugstores.

With asymmetrical optics, it will be ideal as lighting for shelves and other store spaces, lambert optics are ideal for lighting checkout areas, social spaces or in corridors.

power	14 - 42 [W]
lumen output	2500 - 7400 [lm]
efficacy	169 - 182 [lm/W]
colour temperature	3000, 4000
ULOR/DLOR	0% / 100%
power supply	220-240V 50/60Hz
L90B10 lifetime	100 000 h
body	extruded aluminum
colour	white
operating temperature	0°C ... +35 °C



Sales area



LUGTRACK EVO LED

Lugtrack EVO LED is an advanced quick-assembly system that combines modern design with the highest lighting efficiency. Designed for commercial spaces, stores and storage spaces. Lugtrack EVO offers ease of installation and full configuration flexibility.

power	31 - 70 [W]
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lumen output	4100 - 10150 [lm]
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efficacy	124 - 145 [lm/W]
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colour temperature	3000, 4000
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ULOR/DLOR	0% / 100%
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operating temperature	0 ... +55 °C
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OPTILINE H200 LED

The decorative pendant luminaire, thanks to its unique design, can replace a traditional openwork ceiling, while providing an effective, uniform and energy-saving lighting; aluminum profile in various color variants, equipped with an efficient lighting system.



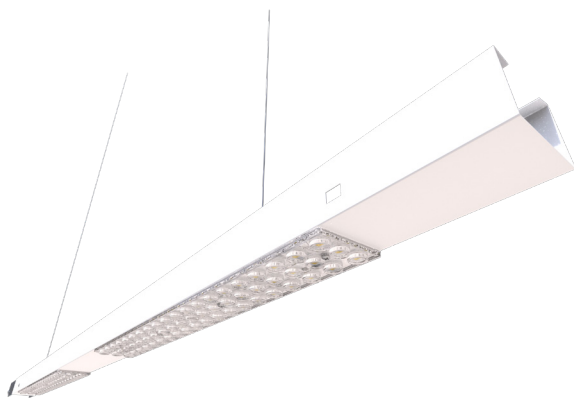
power	30 - 60 [W]
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lumen output	2600 - 5200 [lm]
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colour temperature	3000, 4000
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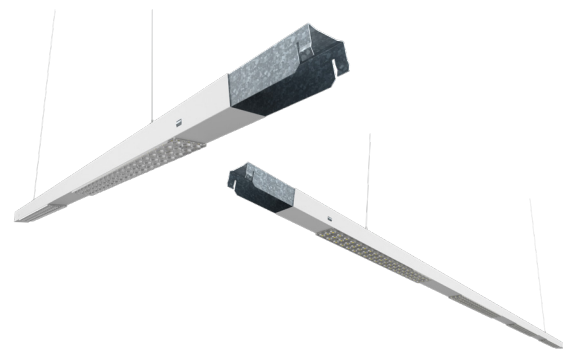
ULOR/DLOR	0/100
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temperature range	0 ... +35 °C
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LUGTRACK SLIM LENS RETAIL version

Modern luminaire for quick assembly for LED light source, the design of the luminaire allows quick and easy to combine into long light strings (1.5m and 3m lengths available) using fasteners without the need for tools.



power	23 - 83 [W]
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lumen output	3900 - 12650 [lm]
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efficacy	140 - 179 [lm/W]
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colour temperature	4000
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ULOR/DLOR	0/100, 10/90
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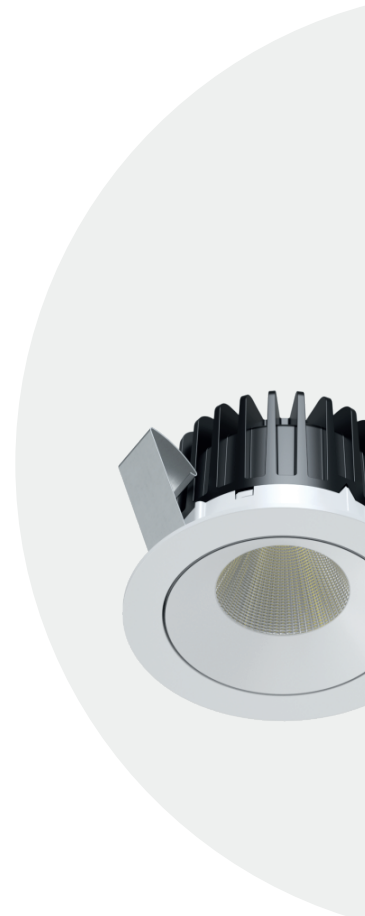
operating temperature	0 ... +50 °C
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Sales area

The INTO luminaire family was created for interiors based on modern simplicity. The wide application of INTO is ensured by the variety of sizes and mounting methods: from minimalist round and square downlights, through surface-mounted tubes, to a series of tubular pendant luminaires.

LUG designers focused on universal design, thanks to which the form of surface-mounted and suspended luminaires is repetitive and perfect for creating multiple compositions that can decorate any interior. The luminaires differ in diameter and length, which resulted in as many as 9 different shapes of surface-mounted luminaires and as many pendant luminaires: from slim, very long luminaires measuring 55x800mm, to traditional in the shape of 160x200mm. To increase the attractiveness and application possibilities, two housing colours are offered: white and black, while the detail ring surrounding the reflector is available in four colours: white, black, silver and gold. Another advantage of the INTO family is the variety of light distribution angles - from a narrow 15° to a wide 63°. This, in combination with a multitude of shapes and colours, allows for the creation of decorative, atmospheric hotel lighting, but also for the professional and broad illumination of sales or office spaces.

INTO is not only a modern design, but also excellent lighting parameters and high quality. The tool-free and quick installation of flush-mounted luminaires saves time, while the use of increased IP protection in some versions allows the luminaires to be installed in more demanding conditions.



INTO R LED p/t IP 20/54



INTO S LED recessed





INTO R LED p/t Trimless

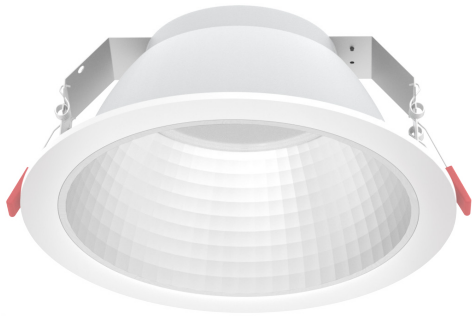


INTO R LED surface



INTO R LED suspended

Sales area



LUGSTAR 3.0 LED

luminaire power	11 - 23 [W]
lumen luminaire	1500 - 2650 [lm]
efficacy	111 - 141 [lm/W]
colour temperature	3000, 4000
ULOR/DLOR	0% / 100%
operating temperature range	0 ... +35



LUGSTAR 3.0 S LED

luminaire power	8 - 19.5 [W]
lumen luminaire	1000 - 2400 [lm]
efficacy	123 - 130 [lm/W]
colour temperature	3000, 4000
ULOR/DLOR	0% / 100%
operating temperature range	0 ... +35



Lugstar 3.0 & 3.0s – Main and Supplementary Lighting

A New Era of Lighting for Retail Spaces

In the dynamically evolving retail sector, appropriate lighting plays a key role. Lugstar 3.0 and 3.0s are modern luminaires designed to enhance the attractiveness of retail spaces, improve shopping comfort, and optimize energy consumption.

Key Benefits of the Lugstar 3.0 Family:

Perfect Product Display – excellent color rendering and the ability to choose the color temperature (Tunable White variant) help highlight the aesthetic qualities of goods and influence customers' purchasing decisions.

Modern and Aesthetic Design – the minimalist, sleek luminaire construction blends seamlessly with modern store interiors, shopping malls, and boutiques.

Easy Modernization – a set of dedicated masking rings allows the luminaire to fit into previously prepared mounting holes.

Long Lifespan and Reliability – the highest quality components and advanced LED technology ensure durability and maintenance-free operation for years.



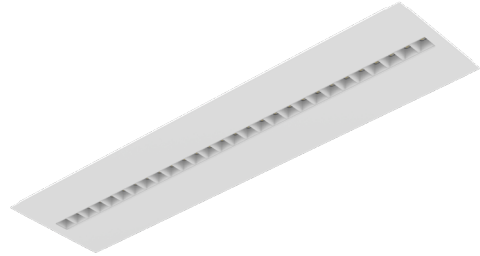
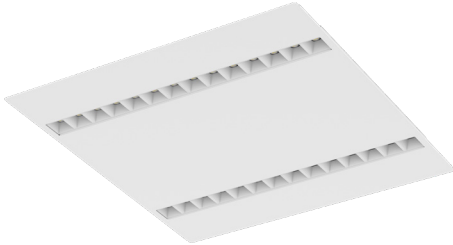
LUGSTAR PREMIUM LED

Lugstar Premium LED is a family of professional downlights with specifications specially designed to meet the needs of retail spaces. A set of colorful detail rings allows for full customization and color identification with a specific brand or venue.

luminaire power	10 - 41 [W]
lumen luminaire	1200 - 4250 [lm]
efficacy	99 - 125 [lm/W]
colour temperature	3000, 4000
ULOR/DLOR	0% / 100%
operating temperature range	0 ... +40



Checkout area

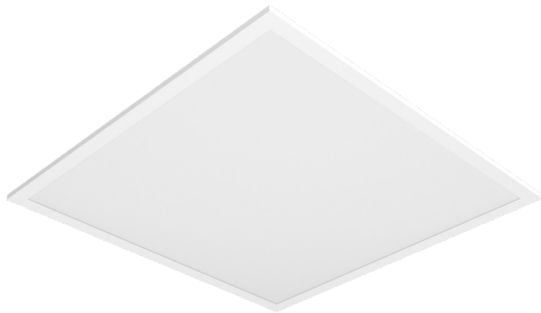


OFFICE MINI 2.0

OFFICE MINI 2.0 is a modern, compact modular luminaire designed specifically for offices, conference rooms, the retail segment of co-working spaces and elegant commercial interiors. Its minimalist design and advanced glare-reducing technology provide comfortable, energy-efficient and high-quality lighting.

power	17 - 30 [W]
lumen output	2550 - 4550 [lm]
efficacy	143 - 159 [lm/W]
colour temperature	3000, 4000
UGR	<19
operating temperature	0°C ... +35 °C



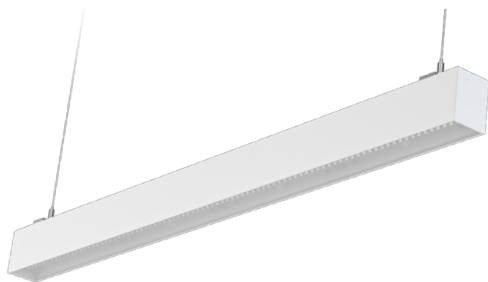


LUGCLASSIC SLIM LB LED HE

Modern light panel for mounting in modular ceilings. Minimalist design, limited glare factor, high efficiency and 2 dimensions wide application in office space and commercial.



power	22 - 36 [W]
lumen output	3000 - 4450 [lm]
efficacy	124 - 150 [lm/W]
colour temperature	4000
UGR	<19
operating temperature	0°C ... +35 °C



VOLICA 2.0 LED LOW UGR g/k

Volica LOW UGR - an aesthetically linear mounting system with reduced glare. Dedicated optics provide the highest comfort especially in office and commercial spaces.



power	9 - 46 [W]
lumen output	1300 - 7200 [lm]
efficacy	142 - 157 [lm/W]
colour temperature	3000, 4000
UGR	<19
operating temperature	0°C ... +35 °C



Accent lighting



TINO 2.0

Accent lighting plays an important role in product display. It highlights certain features, shape, color or surface texture of the illuminated object.

<u>Efficacy</u>	<u>CRI/Ra</u>
up to 162 lm/W	80
up to 154 lm/W	90

power	13 - 38,3 [W]
lumen output	1850 - 5150 [lm]
colour temperature	3000, 4000
operating temperature	0 ... +35 °C



Color Rendering Index (CRI)

is a basic measure of the quality of illumination, it determines the degree of correspondence between the actual color and its image seen under artificial lighting. It is expressed as a number from 0 to 100. The higher the index, the more natural the illuminated items look. A higher index makes the illuminated article more attractive in the eyes of the customer.



Accent lighting



CALIBRO 2.0 LED

Calibro 2.0 is a series of modern spotlights that provide precise and striking accent lighting. Ideal for use in art galleries, museums, boutiques, commercial spaces and car dealerships where it is important to highlight details and create a unique atmosphere.

power	21 - 33 [W]
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lumen output	800 - 2950 [lm]
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efficacy	80 - 117 [lm/W]
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colour temperature	3000, 4000
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CRI/Ra	80, 90
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operating temperature	0 ... +35 °C
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CALIBRO 2.0 SHOP version

Calibro 2.0 shop version is a professional lighting solution created specifically for grocery stores, supermarkets, boutiques, delicatessens, and meat and fruit and vegetable stands.

Thanks to the specially selected light spectrum, these spotlights highlight the natural colors of the products, increasing their attractiveness and fresh appearance.





Emergency lighting



SECURA

Modern and reliable lighting solutions for visibility and safety in emergency situations. Designed in accordance with current standards, they work well in offices, public buildings, shopping malls, industrial plants and commercial facilities, ensuring that escape routes and key locations are properly marked.

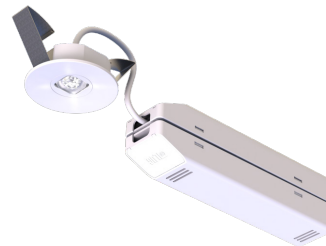
Application:

Offices, boutiques, shopping malls, traffic routes, galleries, museums, open-space areas, car dealerships, schools

lumen output	135 - 370 [lm]
colour temperature	4000
ULOR/DLOR	0/100
power supply	220-240V 50/60Hz
L90B10 lifetime	145 000 h
body	plastic
colour	white
operating temperature	5°C ... +35 °C



COMING SOON



COMING SOON



Car parks



AVENIDA

A modern lighting solution that combines aesthetics, durability and energy efficiency.

Designed for parks, walking avenues, recreational areas, parking lots and urban spaces, it provides only normative lighting, but also create a friendly and safe atmosphere.

Application:

Walking alleys, sidewalks, estate roads, residential areas, parks, playgrounds, promenades, public areas

power	19 - 34 [W]
stream	2350 - 4400 [lm]
efficacy	124 - 132 [lm/W]
colour temperature	3000, 4000
power supply	220-240V 50/60Hz
L90B10 lifetime	100 000 h
body	High-pressure injected aluminium
colour	graphite, gray
operating temperature	-40°C ... +55 °C



Car parks



POWERLUG

efficient, energy-efficient and durable lighting solutions, designed to illuminate facades, parking lots, industrial facilities, sports grounds and outdoor spaces. Thanks to modern technology, they provide intense and even light, improving the safety and aesthetics of the environment.

- High efficiency up to 178 lm/W
- Modern design
- Simple one-person installation
- Above-average service life

Application:
roads, facades, warehouses, subways,
industrial facilities, parking lots

power	25 - 155 [W]
lumen output	2950 - 25100 [lm]
efficacy	101 - 178 [lm/W]
colour temperature	3000, 4000, 5700
power supply	220-240V 50/60Hz
L80B10 lifetime	100 000 h
body	High-pressure injected aluminium
colour	gray
operating temperature	-40°C ... +55°C



For years, we have been developing our products based on the circular economy model. Our main goal is to reduce our environmental impact by organizing our production processes as sustainably as possible. We promote closed-loop production of resources; our components, both mechanical and electronic, are reusable. Already at the design stage, we aim to create a product that is durable and easy to service. The selection of individual components is oriented towards close cooperation with suppliers, to ensure materials of the highest quality, which translates into the durability of the solutions we provide and, of course, reducing CO2 emissions.

Many years of experience in product lifecycle management, from the first sketches, through the design, production process, delivery through to disposal allows optimization at each stage of the cycle and monitoring of the length of use.

We share our experience by conducting educational campaigns about the benefits of using energy-efficient lighting fixtures and how to deal with discounted products.

We test our luminaires to meet the most stringent requirements which, with our solutions, makes it easier for investors to obtain positive ratings and certifications for sustainable buildings, such as LEED (Leadership in Energy and Environmental Design) or BREEAM (Building Research Establishment Environmental Assessment Method)

We know how to manufacture and deliver quality products with durability and performance that exceeds common standards:

- dimensional minimization
- above-average efficacy
- modularity the family
- precision optics
- highest quality components
- optimized production processes

place us as leaders in the lighting industry and this mobilizes us to continuously improve both products and ourselves.



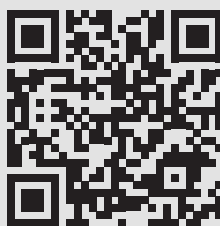




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for the RETAIL sector