



PROFESSIONAL AIRPORT LIGHTING



LUG Light Factory

We are a manufacturer of LED lighting for professional applications with over 35 years of experience. Since 1989 we have been going out off the beaten track and deliver ground-breaking sustainable lighting solutions. We are present in more than 75 markets worldwide, delivering the most demanding projects. Our extensive product portfolio, which includes more than 6,000 different luminaire versions, our vast knowledge and experience enable us to provide comprehensive solutions and services of the highest quality. In addition to a wide range and professional lighting solutions, we offer advice from our team of lighting designers, architects and technical advisors. This enables us to provide support at every stage of 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 holistic approach to our solutions, from the concept to the finished product in the Administration, Production and Warehousing Centre in Zielona Góra and at the Research and Production Centre in Nowy Kisielin near Zielona Góra. Our third factory is located in Argentina. We specialise in infrastructure, industrial and architectural lighting for 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 outdoors and indoors, having a significant impact on the atmosphere, productivity and overall aesthetics of the place. In today's dynamic environment, the right lighting not only serves a practical function, but is also an important part of a company's marketing, image and sales strategy.



Why cooperate with LUG LIGHT FACTORY

When you choose us, you are betting on working with an experienced industry leader and products in line with the latest trends in design and technology! Our lighting solutions are tailored to the unique needs of each project, making each space shine brightest.

Energy efficiency:

Reduction in operating costs thanks to superior LED technology and dedicated control systems of up to over 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, providing visual comfort. Dedicated solutions in the area of emergency lighting increase the feeling of safety. Lighting in car parks and pedestrian walkways allows you to safely reach and leaving the storage areas.

Tailor-made solutions:

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

Experience and professionalism:

Over 35 years of experience in the lighting industry.

Individual approach to the client:

Adapting solutions to specific needs and requirements in line with normative requirements.

Top quality products:

Certified and European-compliant solutions prepared to work in the most demanding environments.

Modern technologies:

Intelligent lighting control systems for maximum efficiency.

Ecological and energy-efficient solutions:

Reduction of CO2 emissions and maximum energy savings.

Support at every stage of implementation

Technical advice, design and implementation of a complete lighting system.





Research & Development Centre | Nowy Kisielin, Poland



LUG manufacturing facility | Zielona Góra, Poland

APRONS AND DE-ICING AREAS

Aprons, aircraft stands and de-icing areas require lighting that supports safe and efficient ground operations. These zones are used for aircraft manoeuvring, refuelling, boarding, baggage handling, technical servicing and winter operations. Lighting must provide high uniformity, excellent visibility and effective glare control, while ensuring that aircraft and service vehicles are clearly visible from multiple directions. In these areas, robust floodlighting solutions with precise optics are particularly important.



APRONS AND DE-ICING AREAS

PUMA

PUMA - Powerful **U**nified **M**odular **A**gile professional floodlight for special assignments

PUMA is a high-performance floodlight luminaire developed for demanding outdoor areas such as ports and maritime facilities. It offers precise light aiming with stepless tilt adjustment and a range of optical distributions for uniform, reliable illumination. The robust construction and reinforced bracket ensure durability in strong wind, vibration, and harsh operating conditions. Available with integrated or remote power supply options, it supports flexible installation and easier maintenance. With multiple lumen outputs, color temperatures and control options, PUMA provides an efficient and adaptable lighting solution for industrial customers.

C5 CORROSION CLASS

STEPLESS TILT ADJUSTMENT

MODULE ADJUSTMENT IN THREE AXES

POWER SUPPLY CAN BE INSTALLED UP TO 200 METRES FROM THE LUMINAIRE

SEVEN BEAM ANGLES

WIDE LUMINOUS FLUX RANGE

WIDE CRI RANGE



APRONS, AIRCRAFT STANDS AND DE-ICING AREAS

PUMA

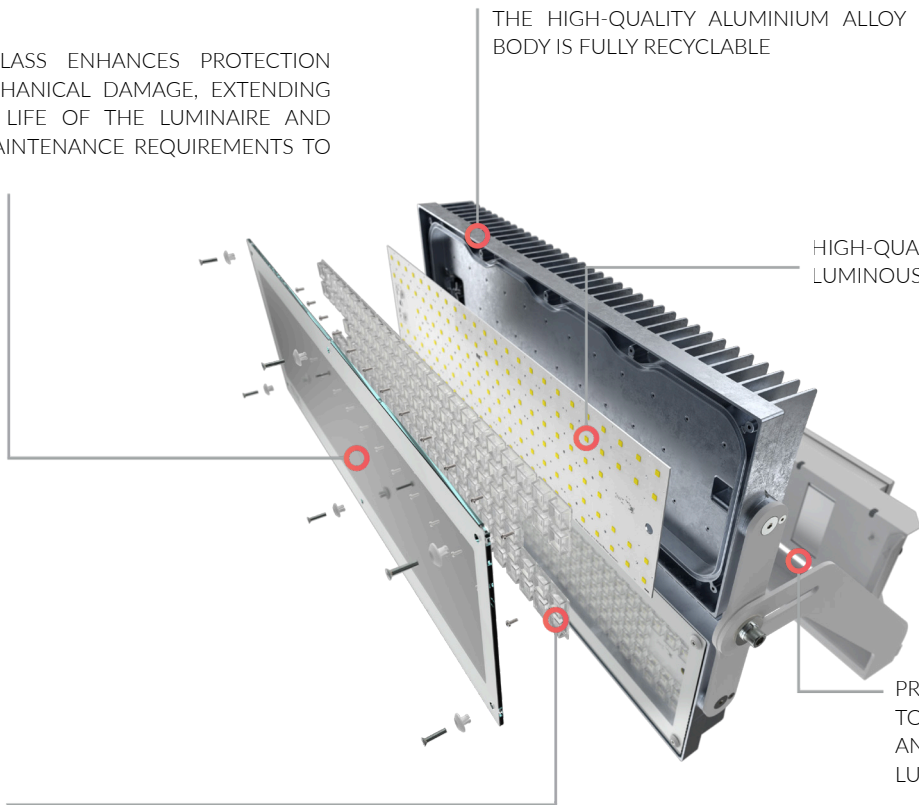
TEMPERED GLASS ENHANCES PROTECTION AGAINST MECHANICAL DAMAGE, EXTENDING THE SERVICE LIFE OF THE LUMINAIRE AND REDUCING MAINTENANCE REQUIREMENTS TO A MINIMUM

THE HIGH-QUALITY ALUMINIUM ALLOY BODY IS FULLY RECYCLABLE

HIGH-QUALITY LED LIGHT SOURCES ENSURE HIGH LUMINOUS EFFICACY

PROGRAMMABLE POWER SUPPLIES HELP TO OPTIMISE ENERGY CONSUMPTION AND EXTEND THE SERVICE LIFE OF THE LUMINAIRE

PRECISION OPTICAL SYSTEMS PROVIDE ACCURATE CONTROL OF LIGHT DIRECTION AND DISTRIBUTION, REDUCING GLARE AND SUPPORTING DARK-SKY FRIENDLY OPERATION



PUMA



power	468 - 918 [W]
luminaire flux	42 600 - 129 400 [lm]
efficacy	91 - 141 [lm/W]
colour temperature	4000 - 5700 [K]
ULOR/DLOR	0% / 100%
operating temperature	-40 ... +50 [°C]
beam angle	15°, 25°, 35°, 55°, AS NF2, AS wide, AS narrow

power	918 - 18 444 [W]
luminaire flux	85 400 - 258 800 [lm]
efficacy	91 - 141 [lm/W]
colour temperature	4000 - 5700 [K]
ULOR/DLOR	0% / 100%
operating temperature	-40 ... +50 [°C]
beam angle	15°, 25°, 35°, 55°, AS NF2, AS wide, AS narrow



APRONS AND DE-ICING AREAS

CRUISER ARENA

ENEC certification

Six available optics

Cable-mounted power supply

Double arm as an accesory

power 395 – 399 [W]

luminaire flux 47 100 – 62 000 [lm]

efficacy up to 157 [lm/W]

colour temperature 4000K - 5700K

operating temperature -40 ... +35°C

beam angle 15°, 25°, 55°, 110°, AS wide, AS narrow



APRONS AND DE-ICING AREAS



power	103 - 177 [W]
luminaire flux	10 200 - 26 050 [lm]
efficacy	97 - 151 [lm/W]
colour temperature	3000 - 5700 [K]
UGR	<22
operating temperature	-40 ... +45 [°C]

CRUISER 2 LED

ENEC certification

HACCP certification

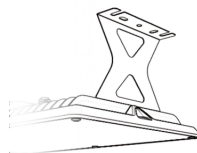
Nine dedicated optics

Variability

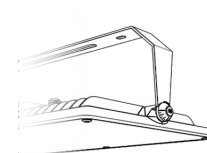
Extensive customisation options

Efficacy up to 151 lm/W

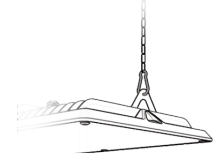
Six mounting options:



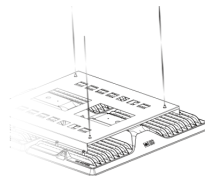
Bracket
surface mounting



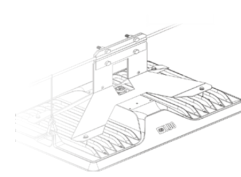
Adjustable bracket
surface mounting



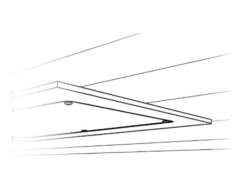
Hanging on chains or rope



Mounting frame
for the installation of two luminaires



Bracket
to hang on the line



Mounting frame
for SLAT ceilings





ACCESS ROADS, SERVICE ROADS AND OUTDOOR CAR PARKS

Access roads, car parks and drop-off zones are the first and last points of contact for many passengers. Well-designed lighting supports safe vehicle movement, pedestrian comfort and a positive first impression of the airport. Energy-efficient road and car park luminaires help maintain appropriate visibility and uniformity, while dimming and control systems allow the airport to reduce power consumption outside peak hours.





URBINO

ENEC and ENEC+ certification

Smart-Ready luminaire certified ZhagaD4i

Universal mounting bracket 30°

Tool-free access to power supply compartment

IK09 | IP66

Efficacy up to 181 lm/W

DarkSky certification

power	23 - 157 [W]
luminaire flux	3000 - 24000 [lm]
efficacy	109 - 181 [lm/W]
colour temperature	3000 - 5700 [K]
ULOR/DLOR	0% / 100%
operating temperature	-40 ... +55 [°C]



URBINO S

ENEC and ENEC+ certification

Smart-Ready luminaire certified ZhagaD4i

Universal mounting bracket 30°

Tool-free access to power supply compartment

IK10 | IP66

Efficacy up to 176 lm/W

DarkSky certification

power	4,5 - 74 [W]
luminaire flux	400 - 11 350 [lm]
efficacy	79 - 176 [lm/W]
colour temperature	2200 - 4000 [K]
ULOR/DLOR	0% / 100%
operating temperature	-40 ... +55 [°C]



URBANO

ENEC and ENEC+ certification

Smart-Ready luminaire certified ZhagaD4i

Universal mounting bracket 30°

Tool-free access to power supply compartment

IK09 | IP66

Efficacy up to 151 lm/W

DarkSky certification

power	102 - 200 [W]
luminaire flux	12050 - 28000 [lm]
efficacy	111 - 151 [lm/W]
colour temperature	3000 - 5700 [K]
ULOR/DLOR	0% / 100%
operating temperature	-40 ... +55 [°C]

URBANO PLUS

ENEC and ENEC+ certification

Smart-Ready luminaire certified ZhagaD4i

Universal mounting bracket 30°

Tool-free access to power supply compartment

IK08 | IP66

Efficacy up to 156 lm/W

DarkSky certification

power	4,5 - 74 [W]
luminaire flux	400 - 11 350 [lm]
efficacy	79 - 181 [lm/W]
colour temperature	2200 - 4000 [K]
ULOR/DLOR	0% / 100%
operating temperature	-40 ... +55 [°C]



ACCESS ROADS, SERVICE ROADS AND OUTDOOR CAR PARKS



POWERLUG

Efficient, energy-saving and long-lasting lighting solutions, designed to illuminate facades, car parks, industrial facilities, sports grounds and outdoor spaces. Thanks to modern design and functionality they provide intense and even light, improving the safety and aesthetics of the environment.

- High efficacy of up to 178 lm/W
- Modern design
- Simple one-man assembly
- Above-average lifetime

Application:
roads, facades, warehouses, underground, industrial facilities, car park

power	72 - 149 [W]
luminaire flux	10 800 - 25 100 [lm]
efficacy	138 - 178 [lm/W]
colour temperature	3000 - 4000K
power supply	220-240V 50/60Hz
lifetime	100 000 h (L80B10)
body	high pressure die-cast aluminium
colour	gray
operating temperature	-40°C ... +55°C

ACCESS ROADS, SERVICE ROADS AND OUTDOOR CAR PARKS



SAVA

Extensive maintenance service, high efficacy and a modern design are the main features of SAVA luminaires. Coming in two sizes, the luminaire provides an efficacy of up to 169 lm/W. Thanks to tool-free operation, the light module and power supply can be easily replaced.

Application:
roads, facades, warehouses, underground, industrial facilities, car park

power	12 - 164 [W]
luminaire flux	1 150 - 25 000 [lm]
efficacy	96 - 190 [lm/W]
colour temperature	2200 - 4000K
power supply	220-240V 50/60Hz
lifetime	100 000 h (L80B10)
body	high pressure die-cast aluminium
colour	graphite
operating temperature	-40°C ... +55°C

CAR PARKS, PEDESTRIAN ZONES AND LOW-CEILING AREAS

Car parks, pedestrian routes and low-ceiling areas form key transition spaces within airport infrastructure, connecting passengers, staff and service traffic with terminal operations. These zones require lighting that ensures safe movement, clear visibility and a comfortable sense of orientation, especially in areas with mixed pedestrian and vehicle flows.



CAR PARKS, PEDESTRIAN ZONES AND LOW-CEILING AREAS



LCS WATERPROOF

1200 & 1500 mm

IK08 | IP66

6350 – 8350 lm

Dip Switch*

Up to 168 lm/W

1200 mm

6 350 lm 164 lm/W

5 500 lm 167 lm/W

4 700 lm 168 lm/W

3 800 lm 168 lm/W

1500 mm

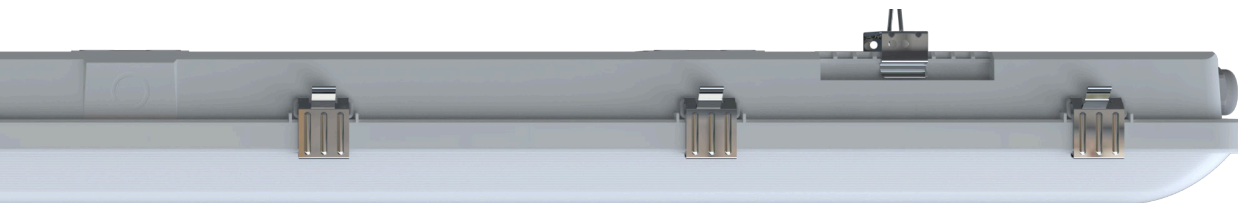
8 300 lm 165 lm/W

7 250 lm 168 lm/W

6 150 lm 168 lm/W

5 000 lm 168 lm/W

*DIP SWITCH - factory settings according to parameters on the data sheet;
additional settings possible: [luminaire length 1200 mm]: 300mA - 33W - 5500lm
| 250mA - 28W - 4700lm | 200mA - 22W - 3750lm; [luminaire length 1500 mm]:
300mA - 43W - 7250lm | 250mA - 36W - 6150lm | 200mA - 30W - 5000lm





ATLANTYK LB LED GEN.2

power	46 - 80 [W]
luminaire flux	6 700 - 11 600 [lm]
efficacy	137 - 181 [lm/W]
colour temperature	4000 K
power supply	220-240V 50/60Hz
lifetime	60 000 h (L80B10)
body	polycarbonate
colour	gray
operating temperature	-20°C ... +35°C



ATLANTYK STRONG LED

power	26 - 54 [W]
luminaire flux	2 650 - 6 640 [lm]
efficacy	98 - 126 [lm/W]
colour temperature	3000, 4000 K
power supply	220-240V 50/60Hz
lifetime	50 000 h (L80B10)
body	polyester reinforced with fibreglass
colour	gray
operating temperature	-20°C ... +25°C



SUPPORT

Professional lighting for port infrastructure is not defined by products alone, but by the quality of the design process behind them. Comprehensive project support helps ensure that every solution is technically correct, operationally effective and fully aligned with the requirements of the investment.

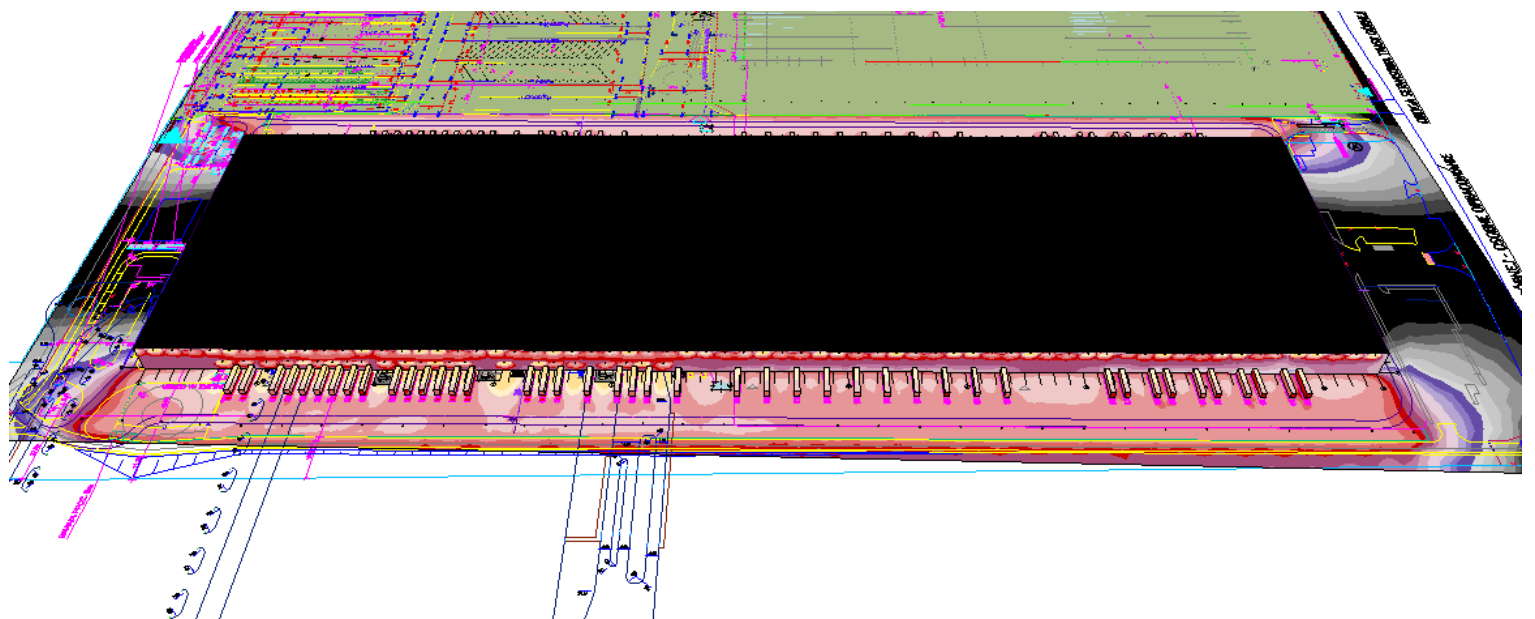
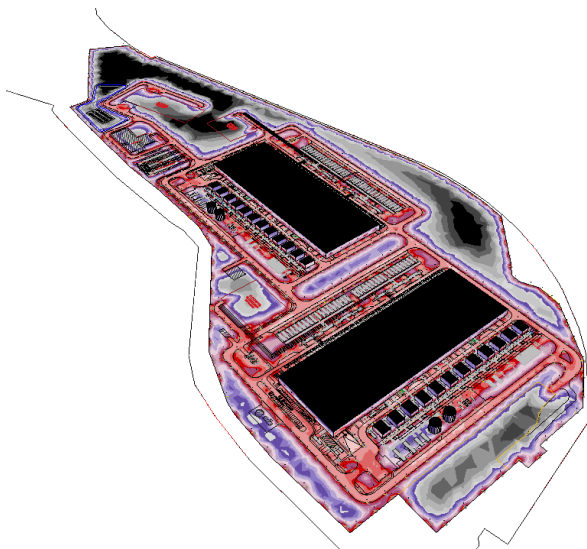
Our support includes:

lighting designs in accordance with relevant standards and project guidelines

lighting calculations confirming required lighting parameters

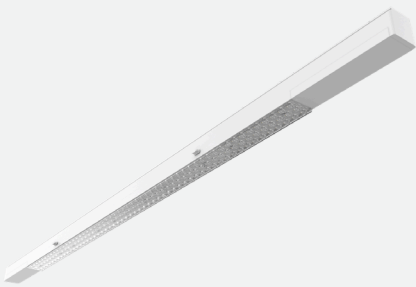
visualisations to support concept evaluation and decision-making

lighting control system designs adapted to the needs of the facility

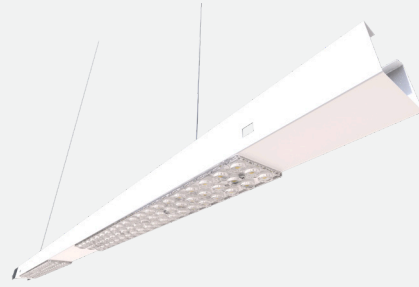


Selected products

CARGO, BAGGAGE SORTING AREAS, LOGISTICS HALLS, HANGARS AND MAINTENANCE ZONES



LUGTRACK EVO 2.0



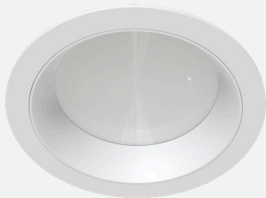
LUGTRACK SLIM LENS



CRUISER 2 LED



TRITON LED

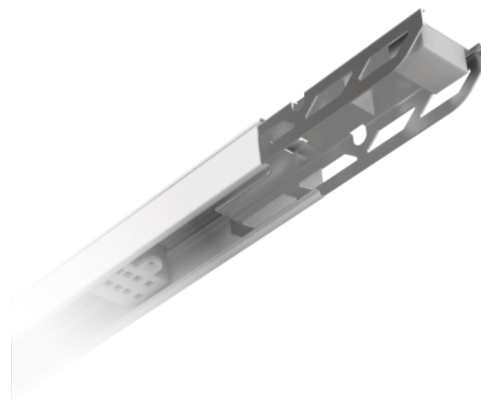


LCS DOWNLIGHT



ATLANTYK 2.0 BASIC LED

CARGO, BAGGAGE SORTING AREAS, HANGARS AND MAINTENANCE ZONES



LUGTRACK EVO 2.0

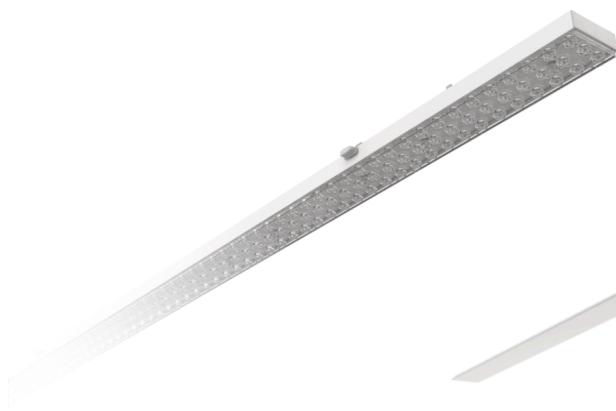
Modular and functional lighting system adapted to the needs and standards of the warehouses.

Efficient light management thanks to dedicated optics (2xAS, 30°, 60°, 90°).

Above-average efficiency up to 170 lm/W.

Easy installation and modular design allows the creation of long light chains.

power	75 - 133 [W]
luminaire flux	12 600 - 20 600 [lm]
efficacy	153 - 170 [lm/W]
colour temperature	4000K
ULOR/DLOR	97%/3% 98%/2%
power supply	220-240V 50/60Hz
lifetime	82 000 h (L70B10)
body	aluminium, sheet steel
colour	white
operating temperature	0°C ... +35°C



masking
frame



starter kit



mounting
bracket



TRITON LED FAMILY

ENEC certification

HACCP certification Four

Dedicated optics

Easy, one-person installation

Two accessory diffuser variants

Motion sensor available

Wide lumen output range in a small size

Efficiency of up to 180 lm/W

power	61 - 221 [W]
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luminaire flux	10 150 - 35 650 [lm]
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efficacy	140 - 180 [lm/W]
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colour temperature	4000 [K]
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ULOR/DLOR	0%/100%
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operating temperature	-20 ... +50°C
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Correct airport lighting is more just a lighting

Lighting masterplan divided into operational zones, separate operating scenarios for airside and landside areas, and verification of potential visual conflicts

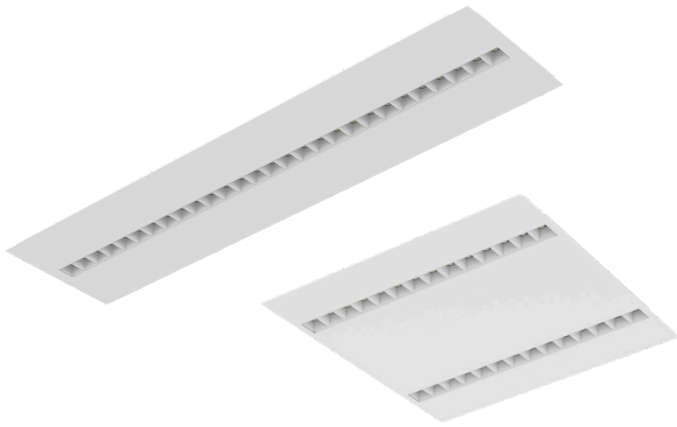
Improved operational safety - correct airport lighting provides clear visual guidance for pilots, ground handling teams, drivers and pedestrians. It reduces the risk of confusion, collisions and operational errors, especially during night-time operations or poor weather conditions.

Greater efficiency of airport operations - well-designed lighting supports faster and safer movement across aprons, taxiways, service roads, terminals and cargo areas. This helps ground teams work more effectively and keeps aircraft turnaround, baggage handling and passenger flows running smoothly.

Enhanced passenger comfort and wayfinding - in terminals, car parks and drop-off zones, lighting helps passengers feel safe, oriented and comfortable. Good visual conditions improve navigation through the airport and contribute to a positive first and last impression.

Lower energy and maintenance costs - modern LED lighting combined with control and monitoring systems can significantly reduce energy consumption. Durable luminaires, smart dimming and failure monitoring also help lower maintenance costs and improve long-term reliability.





OFFICE MINI 2.0

High light uniformity UGR<19

Two available sizes

Lifetime 100,000 h for L80B10

Efficiency up to 159 lm/W

power	17 - 30 [W]
luminaire flux	2 550 - 4 550 [lm]
efficacy	143 - 159 [lm/W]
colour temperature	3000 - 4000 [K]
UGR	<19
operating temperature	0°C ... +35°C

OFFICE MINI 2.0 is a modern, compact modular luminaire designed for interiors such as offices, meeting rooms, control rooms, staff areas, business lounges, retail zones and co-working spaces within terminals. Its minimalist design integrates seamlessly with contemporary airport architecture, while advanced glare-minimising technology supports visual comfort for passengers and personnel. Energy-efficient performance and high-quality light make it a reliable solution for demanding commercial and transport environments.



RELUG

An ecological step forward in lighting modernisation.

In response to increasing demands for energy efficiency, sustainable development and reduction of CO2 emissions, we are introducing a new product family - the insert LED RELUG insert designed for installation in conventional luminaires instead of T5 or T8 fluorescent lamps. It is an innovative solution that allows existing lighting installations to be retrofitted without having to replace entire luminaires.

power	15 - 36 [W]
luminaire flux	2350 - 6000 [lm]
efficacy	142 - 167 [lm/W]
colour temperature	3000 - 4000K
ULOR/ DLOR	0%/100%
operating temperature	0°C ... +35°C

By using highly efficient LED modules, it is possible to significantly reduce energy consumption, improve lighting quality and contribute environmental protection.



LCS DOWNLIGHT

diameter: 110, 165, 220

IP54

1200 - 5100 lm

On/Off, DALI

Interchangeable matt rings (black, gold, silver)

110 mm white 3 000 [K]	1 200 lm	115 lm/W
110 mm white 4 000 [K]	1 400 lm	133 lm/W
165 mm white 3 000 [K]	2 600 lm	141 lm/W
165 mm white 4 000 [K]	2 800 lm	151 lm/W
220 mm white 3 000 [K]	4 700 lm	145 lm/W
220 mm white 4 000 [K]	5 100 lm	157 lm/W

VOLICA LED



power	14 - 71 [W]
luminaire flux	1 650 - 9 500 [lm]
efficacy	118 - 134 [lm/W]
colour temperature	3000, 4000K
CRI/Ra	≥80
power supply	220-240V 50/60Hz
lifetime	82 000 h (L70B10)
body	aluminium profile
colour	anode, black, white
operating temperature	0°C ... +35°C

VOLICA LED has been designed for modern interiors, including terminals, lounges, check-in areas, retail zones, offices and passenger circulation spaces. Its aluminium profile, available in various colours, supports seamless integration with contemporary architectural concepts while delivering efficient and comfortable indoor lighting. With efficacy of up to 134 lm/W, dedicated LED light sources and optional illuminance control, the luminaire helps reduce energy consumption while maintaining high visual comfort for passengers and airport staff. Its aluminium body, passive cooling system and maintenance-free operation support long-term reliability in high-traffic environments, while the well-thought-out installation concept enables fast and easy mounting during new projects or refurbishment works.



Selected projects:

- Copenhagen Airport | Denmark
- Schiphol Airport | Netherlands
- Dubai International Airport Cargo Gateway | UAE
- Nice Côte d'Azur Airport | France
- Lufthansa Technik, Sofia Airport | Bulgaria
- Air Traffic Control Tower, SSR Airport | Mauritius
- Ahmed Ben Bella Airport | Oran, Algeria
- Lublin Airport | Poland
- King Fahd International Airport | Dammam, KSA
- Leeds Bradford Airport | United Kingdom
- Montpellier-Méditerranée Airport | France
- Brussels Airport | Belgium
- Dubai International Airport | UAE
- Pau Pyrénées Airport | France
- Jorge Chávez International Airport | Peru
- Doha International Airport | Qatar
- Tromsø Airport | Norway
- Montego Bay International Airport | Kingston, Jamaica
- Geneva Airport Railway Station | Switzerland
- Kabalega International Airport | Uganda





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