LUMITEAM
RELIABLE LIGHTING

LED lighting for **urban infrastructure**

LED ROADMASTER

Scan QR code for full product details, photos and downloads.

MODERN AND ENERGY-EFFICIENT LED STREET LUMINAIRE

CE IP66 IP67 IK09 120-270V 50 Hz LED

When developing LED ROADMASTER, we put technical aspects and component quality first. We wanted the luminaire to have a a simple but functional design that would meet all public tender demands. And so, to increase the protection against overheating of the LEDs, the luminaire has separate compartments for the power supply and the LED module. The outer heat dissipation surface is made with a flat heat sink technology with self-cleaning design. The luminaire is also equipped with a filter that equalizes the pressure between the luminaire's interior and exterior without sucking in dirt. Safety is of utmost importance to us, therefore the lamp features a system shutting off the power supply after opening, while tool-free access to the power supply compartment significantly facilitates its unlikely servicing. Additionally, LED ROADMASTER gives the user the ability to integrate with any smart control network, maximizing savings, all while using the best quality components.

Key advantages

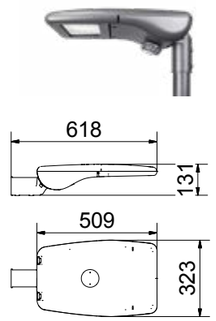
- luminous efficacy of up to 160 lm/W
- lifetime up to 100 000 h (L80B10)
- energy efficiency that guarantees a quick return on investment
- available in electric class I or II
- design and equipment of the luminaire meet the requirements of most built-up areas
- easy to mount on an extension arm or directly on a pole
- smooth position adjustment in the range of -10° to 0° and 0° to +10°
- luminaire can be adapted for any wireless control system (e.g. NEMA socket)
- top quality components
- modern design and robust construction (IP66/67, IK09)
- made in Poland

Application

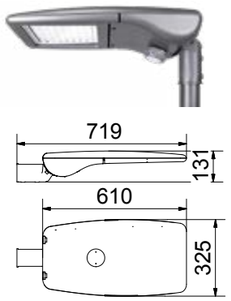
- urban and residential roads
- parking lots
- pedestrian crossings
- area lighting
- avenues & promenades
- cycle paths

Dimensions [mm]

LED Roadmaster Mini



LED Roadmaster Midi



Technical data

Light source	LED
Power consumption	20 - 160 W
Luminaire luminous flux	3 200 - 25 600 lm
Luminaire efficacy	160 lm/W
Colour temperature and chromaticity coordinates	3000K (CIEx0.4338, CIEy0.4030), 4000K (CIEx0.3818, CIEy0.3797)
Colour rendering index (CRI)	70
Lumen maintenance output	100 000 h (L80B10)
Operating temperature	-40°C do +55°C
Beam angles	asymmetric
Material	high-pressure die-cast aluminium
Finish	powder coating
Colour	grey
Optics	PMMA
Glass	tempered glass
Ingress protection rating	IP66/67
Impact protection rating	IK09
Weight*	4.5 kg, 7.5 kg
Voltage	220-230 V
Frequency	50 Hz
Warranty	5 years
Control systems	optional

*without handle

Family

INDEX NO	NAME	POWER	LUMINAIRE LUMINOUS FLUX	LUMINAIRE EFFICACY	RA/CRI
S700200161XXXPXAKEA4	LRM MINI 20 W, 16 LED, CRI 70	20 W	3 200 lm	160 lm/W	70
S700400161XXXPXAKEA4	LRM MINI 40 W, 16 LED, CRI 70	40 W	6 300 lm	160 lm/W	70
S700600321XXXPXAKEA4	LRM MINI 60 W, 32 LED, CRI 70	60 W	9 700 lm	160 lm/W	70
S700800321XXXPXAKEA4	LRM MINI 80 W, 32 LED, CRI 70	80 W	12 800 lm	160 lm/W	70
S701000481XXXPXAKEA4	LRM MIDI 100 W, 48 LED, CRI 70	100 W	16 000 lm	160 lm/W	70
S701200481XXXPXAKEA4	LRM MIDI 120 W, 48 LED, CRI 70	120 W	19 200 lm	160 lm/W	70
S701400641XXXPXAKEA4	LRM MIDI 140 W, 64 LED, CRI 70	140 W	22 500 lm	160 lm/W	70
S701600641XXXPXAKEA4	LRM MIDI 160 W, 64 LED, CRI 70	160 W	25 600 lm	160 lm/W	70

When ordering, please specify the desired beam angle curve and colour temperature.

Luminous flux tolerance +/- 10%. Power consumption tolerance depends on the power level - less than 100 W or equal to 100 W power consumption tolerance is 5%, over 100 W - 2.5%. The luminous flux, light intensity distribution and light efficiency were tested according to PN-EN 13032-4: 2015-09 and PN-EN 60598-1: 2015-04 at an ambient temperature of 25°C. Accessories for installation are quoted separately by the manufacturer.

Easy & adjustable mounting

Easy tilt adjustment in a range of -10 ° to 0 ° and 0 ° to + 10 °. Clamping system with a diameter of 42–60 mm allows for mounting both on bracket or directly on pole.

Flat self-cleaning radiator

External surface made for heat dissipation using flat heatsink technology with self-cleaning.

Effective heat dissipation

The luminaire consists of a separate power supply chamber and a separate LED chamber.

Power shut-off system

Safety is ensured by a cut-off system that cuts the power supply when the luminaire is opened.

Pressure equalizing filter

The luminaire is equipped with a filter enabling pressure equalization between the interior housing and the environment without sucking in dirt.

Tool-free access

The luminaire has tool-free access to the power chamber.

Versatility

A large selection of optics and respective beam angles is available.

Any control system

The luminaire can be adapted to any control system (DALI, NEMA, ZHAGA), as well as integrated into a Smart City Network to tailor it to the residents' needs

NEW STREET LIGHT LUMINAIRE

MADE IN POLAND

LED street and road lighting

Using our street luminaires guarantees the highest standard of safety and comfort for pedestrians and drivers. It is also a way to optimise investment and operating costs. We use LED technology, which makes our road luminaires not only energy-efficient, but also extremely durable, being designed to last up to 100,000 hours. Thanks to the excellent luminous efficiency that distinguishes our products, you can count on significant savings and a rapid return on investment. The high-quality, high-performance light they emit creates the perfect conditions for living and moving on roads or pavements. Our luminaires are characterised by a high level of resistance to adverse external factors, and their design and equipment fully meet the requirements of most built-up areas. The adaptability of our street lamps for any control system (DALI, NEMA, ZHAGA) further reduces the payback time.

Interchange junction, Katowice, Poland

SQUARE LED ZEBRA

Scan QR code for full product details, photos and downloads.

LED LUMINAIRE FOR PEDESTRIAN CROSSINGS

SQUARE LED ZEBRA is an innovative luminaire designed to improve ground traffic safety. Its task is to illuminate a street crossing in an orange warning colour when a pedestrian or cyclist is approaching. The luminaire, by its action, arouses additional vigilance on the part of drivers, thanks to which other users can feel safer. The luminaire is characterised by high efficiency (up to 143 lm/W) and high protection grade (IP66/67), as a long lifetime (up to 100 000 h). It is a ground-breaking light fitting that provides safety paired with savings.

CE IP66 IP67 IK09 120-270V 50 Hz LED

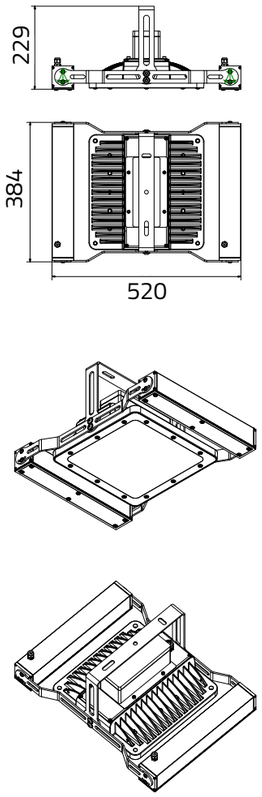
Key advantages

- an innovative luminaire that improves safety at pedestrian and bicycle crossings
- easy mounting and adjustment
- lifetime up to 100 000 h (L80B10)
- can be adapted to any control system
- modern design and solid workmanship (IP66/67, IK09)
- made in Poland

Application

- crossings for pedestrians and cyclists

Dimensions [mm]



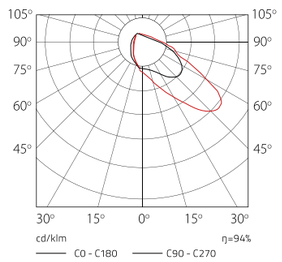
Technical data

Light source	LED
Power consumption*	110 W
Luminaire luminous flux**	7 150 lm
Luminaire efficacy	143 lm/W
Colour temperature	4 000 K, 5 700 K
Colour rendering index (CRI)	70, 80, 90
Lumen maintenance output	100 000 h (L80B10)
Operating temperature	-40°C do +40°C
Beam angles	asymmetric
Material	high-pressure die-cast aluminium
Finish	powder coating
Colour	anthracite

Optics	PMMA
Glass	tempered glass
Ingress protection rating	IP66/67
Impact protection rating	IK09
Weight***	13 kg
Voltage	230 V
Frequency	50 Hz
Warranty	5 years
Control systems	optional

* 50 W - main luminaire power + 2 x 30 W - warning lamps power
** applies to the main luminaire
***without handle

Optic beam angles



Family

INDEX NO	NAME	POWER	LUMINAIRE LUMINOUS FLUX	LUMINAIRE EFFICACY	RA/CRI
S2Z0500401XXXOXAKEA2	SQUARE ZEBRA 110 W, 60 LED, CRI 70	110 W*	7 150** lm	143 lm/W	70

When ordering, please specify the desired colour temperature.

Luminous flux tolerance +/- 10%. Power consumption tolerance depends on the power level - less than 100 W or equal to 100 W power consumption tolerance is 5%, over 100 W - 2.5%. The luminous flux, light intensity distribution and light efficiency were tested according to PN-EN 13032-4: 2015-09 and PN-EN 60598-1: 2015-04 at an ambient temperature of 25°C. Accessories for installation are quoted separately by the manufacturer.

Construction resistant to harsh weather conditions

Our luminaires are created from high-pressure aluminium castings, which makes them robust in construction and highly weather-resistant (IP66, IK09).

Uniform illumination of the pedestrian crossing and easy installation of the luminaire

Perfect illumination of pedestrian crossings, an intelligent warning system for the driver giving a higher level of safety for the pedestrian, all enclosed in one compact housing which minimises the effort required for installation work on the road.

Intelligent control

Thanks to the DIMM function, the luminaire's illuminance can be controlled at will, providing the municipality with additional savings, as well as adapting the luminaire to the Smart City Network, in order to orient it to the needs of residents.

Warning orange light source

The orange or red light can be on continuously, flash or, when using motion detectors, can light up when the motion detector detects a pedestrian.

LED lighting for pedestrian crossings

The lighting of pedestrian crossings must be considered from two perspectives: that of the pedestrian and that of the driver of the vehicle. For the driver, it must provide the right conditions for recognizing the traffic situation, ensuring the visibility of the pedestrian. The pedestrian must be able to see his or her surroundings, the pedestrian crossing itself and approaching vehicles even, or perhaps especially, in conditions of reduced visibility. This is particularly important at pedestrian crossings in particularly difficult locations, such as schools, kindergartens or sports facilities, which are used by children who happen to run into the street suddenly without discerning the situation. Proper illumination of the driver and pedestrian conflict areas is therefore a priority in ensuring that populated areas are as safe as possible.

The SQUARE LED ZEBRA luminaire is three luminaires in one. It is equipped with one square main luminaire, which illuminates the pedestrian crossing continuously and evenly with a strong luminous flux, and additionally with two longitudinal luminaires, equipped with orange light sources, which are activated only when a pedestrian is detected in front of the pedestrian crossing. They can operate continuously, flash, or there is the possibility of installing and integrating motion sensors. The orange warning light source of the SQUARE LED ZEBRA luminaire increases the illumination level of the pedestrian area, signalling to the driver the approach of the next traffic participant by displaying a beam of orange light in front of and behind the pedestrian crossing. It informs the driver: „Watch out, someone is approaching the pedestrian crossing!", a solution that increases drivers' alertness so that those using pedestrian crossings can feel safe.

BEETLE II LED HIGH BAY TUNNEL

LED LUMINAIRE FOR TUNNELS AND UNDERGROUND PASSAGES

CE IP66 IP67 IK09 120-270V 50 Hz LED

BEETLE II LED HIGH BAY TUNNEL luminaire is ideal for lighting road infrastructure facilities such as tunnels and underground passages. Thanks to the strong and uniform light intensity, as well as the flat mounting method, it can also be used in garages or underground stations. Fitted with a tempered glass pane with a silicone gasket, the luminaire effectively protects the light source from oil mist. The stainless steel housing additionally protects against dirt, thus extending the life of the luminaire. The large selection of power and types of optics allows for ideal adjustment of lighting to customer needs, and the luminaire, thanks to its double-compartment construction, works well even in high ambient temperatures. The luminaire is also available in explosion-proof version with ATEX certification.

Key advantages

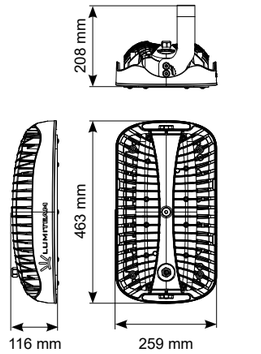
- exceptional luminaire efficacy up to 176 lm/W
- power up to 250 W
- lifetime up to 100 000 h (L80B10)
- optional stainless steel housing
- explosion proof version available
- resistance to high temperatures
- a wide range of powers and lighting angles
- easy assembly & fast mounting
- can be adapted to any control system
- italian design
- solid workmanship (IP66/67, IK09)
- made in Poland

Application

- underground passages
- tunnels
- underground stations

Zeskanuj kod QR, aby uzyskać pełne informacje o produkcie, dostęp do zdjęć i dodatkowych plików.

Dimensions [mm]



Technical data

Light source	LED
Power consumption	60 - 250 W
Luminaire luminous flux	9 600 - 39 500 lm
Luminaire efficacy	132 - 176 lm/W
Colour temperature	4 000 K, 5 700 K
Colour rendering index (CRI)	>70, >80
Lumen maintenance output	100 000 h (L80B10)
Operating temperature	-40°C do +55°C
Beam angles	20°, 30°, 60°, 90°, asymmetric
Material	high-pressure die-cast aluminium
Finish	powder coating

Housing	stainless steel
Colour	anthracite
Optics	PMMA
Glass	tempered glass
Ingress protection rating	IP66/677
Impact protection rating	IK09
Weight*	13.2 kg
Voltage	230 V
Frequency	50 Hz
Warranty	5 years
Control systems	optional

ZONE 2 & 21, 22

The luminaire is also available in an explosion-proof (Ex) version

Family

INDEX NO	NAME	POWER	LUMINAIRE LUMINOUS FLUX	LUMINAIRE EFFICACY	RA/CRI	MAX OPERATING TEMPERATURE
S500601921XXXTXAKEA1	BEETLE II HB 60 W, 192 LED, CRI 70	60 W	9 600 lm	160 lm/W	>70	55°C
S501001921XXXTXAKEA1	BEETLE II HB 100 W, 192 LED, CRI 70	100 W	15 600 lm	156 lm/W	>70	55°C
S501301921XXXTXAKEA1	BEETLE II HB 130 W, 192 LED, CRI 70	130 W	19 600 lm	151 lm/W	>70	55°C
S501501921XXXTXAKEA1	BEETLE II HB 150 W, 192 LED, CRI 70	150 W	21 600 lm	144 lm/W	>70	55°C
S502002881XXXTXAKEA1	BEETLE II HB 200 W, 288 LED, CRI 70	200 W	30 200 lm	151 lm/W	>70	45°C
S502502881XXXTXAKEA1	BEETLE II HB 250 W, 288 LED, CRI 70	250 W	35 200 lm	141 lm/W	>70	45°C
S500601922XXXTXAKEA1	BEETLE II HB 60 W, 192 LED, CRI 80	60 W	10 534 lm	176 lm/W	>80	55°C
S501001922XXXTXAKEA1	BEETLE II HB 100 W, 192 LED, CRI 80	100 W	17 089 lm	171 lm/W	>80	55°C
S501301922XXXTXAKEA1	BEETLE II HB 130 W, 192 LED, CRI 80	130 W	21 419 lm	165 lm/W	>80	55°C
S501501922XXXTXAKEA1	BEETLE II HB 150 W, 192 LED, CRI 80	150 W	23 643 lm	158 lm/W	>80	55°C
S502002882XXXTXAKEA1	BEETLE II HB 200 W, 288 LED, CRI 80	200 W	33 811 lm	169 lm/W	>80	45°C
S502502882XXXTXAKEA1	BEETLE II HB 250 W, 288 LED, CRI 80	250 W	39 500 lm	158 lm/W	>80	45°C

When ordering, please specify the desired beam angle curve and colour temperature.

Luminous flux tolerance +/- 10%. Power consumption tolerance depends on the power level - less than 100 W or equal to 100 W power consumption tolerance is 5%, over 100 W - 2.5%. The luminous flux, light intensity distribution and light efficiency were tested according to PN-EN 13032-4: 2015-09 and PN-EN 60598-1: 2015-04 at an ambient temperature of 25°C. Accessories for installation are quoted separately by the manufacturer.

Heavy-duty construction

Our luminaires are created from high-pressure aluminum castings, which makes them robust in construction and highly resistant to the increased pollution caused by the exhaust fumes of cars passing through the tunnel.

LUMI COOL® solution

Protection against overheating and increased thermal efficiency of the housing through the use of free air flow between the power supply chamber and the LED source.

Optional: stainless steel housing

In addition, the housing protects the luminaire from exhaust fumes and mechanical damage.

Optional: assymetrical optics

Excellent lanes illumination even with a low mounting height, thanks to the asymmetrical optics. In addition, the luminaire's light does not dazzle drivers.

Control system

Luminaire can be equipped with a wired or wireless intelligent control system.

LED tunnel lighting

Tunnel lighting is an extremely responsible task. A number of road lighting standards and lighting performance guidelines present designers and contractors with a real challenge. A safe tunnel is a well-lit tunnel that guarantees drivers a smooth ride. Our tunnel luminaires guarantee optimum and uniform illumination of each tunnel zone. The intensity of illumination adapted to the stage of the road will ensure that when drivers enter the tunnel, they will naturally adapt to the initially increasing and then decreasing darkness. As a result, their visual perceptions will not be distorted and driving comfort as well as good distance visibility will increase.

The luminaires in the tunnels have to operate around the clock, and any breakdown forces traffic to stop, which generates costs. Our luminaires are designed to last as long as possible – up to 100 000 hours. They combine above-average energy efficiency, extraordinary durability, as well as easy installation and maintenance. In relatively long tunnels, where LED lighting has to be extremely resistant to increased pollution from car fumes, we offer high bay luminaires from the BEETLE family in a special stainless steel housing. The model of this bestselling luminaire is also available in an explosion-proof version and soon in an emergency version powered by a central battery.

East Tunnel, Opole, Poland

INDUSTRY

SPORT

PETROL STATION

STREET

About Lumi Team

In order to ensure the quality of our products and to meet the expectations of even the most demanding customers, we produce our luminaires from scratch at our site near in Poland. We have a professional design and construction office, a modern tooling workshop, an automated aluminium foundry, advanced machining machines, an ecological powder coating plant, semi-automatic assembly lines, a very well-equipped quality control laboratory and a large storage area. From design to final quality control, the production process is carried out under the supervision of experienced specialists. Therefore, by handing over our luminaires to our customers, we guarantee their reliability, safety and good performance.

We are a polish LED lighting manufacturer

LUMITEAM

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Our projects

Our products

See how our LED luminaires are made