

Residential and street luminaire

OPTIMUS-01 LUXM 4/2 LED

OPTIMUS-01 LUXM 4 LED, OPTIMUS-01 LUXM 2 LED




About the product

The product Optimus LUXM LED is the optimum variant from the category of street luminaires, equipped with the most recent generation LED modules - with high performance, that makes it to have high energy efficiency, and a very good light distribution due to the innovative compact lenses system.

The product is energy efficient, has an easy installation that is ensured through the mounting system from the luminaire, which could be easily accessed.

The maintenance is rapid and efficient thanks to the fact that the luminaire is composed of two components interchangeable without opening the gear compartment.



EN 60598	RoHS	IP66		-30°C ÷ +35°C	35.3W 19.1W LED
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Application

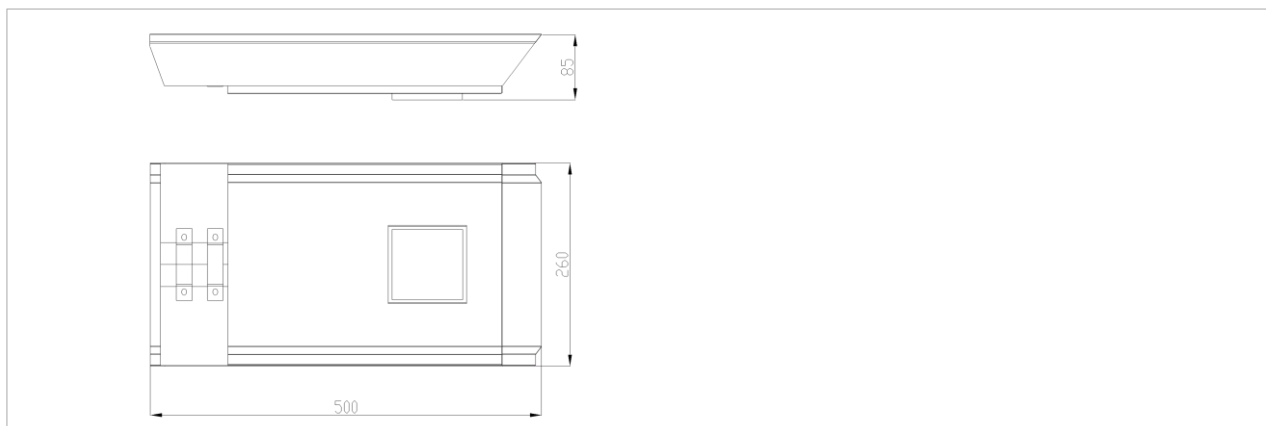
Road and street lighting for: major, local, secondary roads, with ME3a, ME3b, ME3c, ME4, ME5, ME6, S1÷S6, lighting class according to EN 13201, residential lighting including alleys, sidewalks, parks, pedestrian crossings car parks, railway stations, bus terminals, large public areas.

Light source

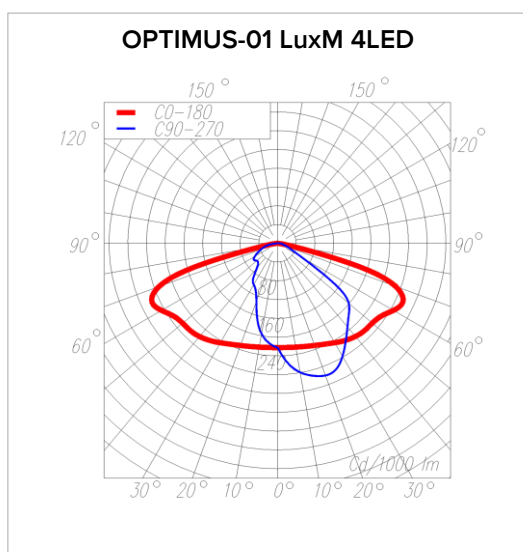
- Power LEDs with specialized optics for road and residential lighting, with colour temperature cool-white 5700K CRI \geq 70, with a long lifetime L70B50 of minimum 50.000 hours at Ta=25°C.
- The system with LEDs included in the product could replace or is equivalent with:
 - OPTIMUS LUXM 4LED: high pressure mercury lamps HME 80W, high pressure sodium lamps HST 50W, metal halide lamps HIE 70W, compact fluorescent lamps TC-TE 57W, TC-L 2x24W.
 - OPTIMUS LUXM 2LED: compact fluorescent lamps TC-L 1x36W.

Advantages

A modern luminaire, with LEDs as light sources. Reduced energy consumption. Longer lifetime. Environmentally friendly. Ideal for replacement of street luminaires with compact fluorescent lamps, sodium lamps or metal halide lamps. Reduced maintenance costs. There are not necessary interventions for light sources replacements during exploitation.

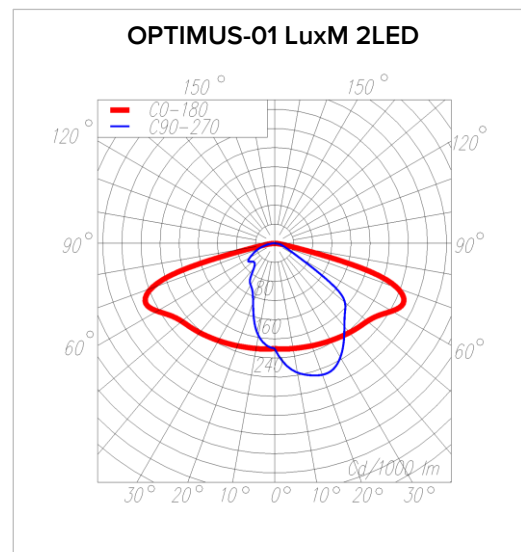


Product type	L [mm]	l [mm]	h [mm]	m [mm]
OPTIMUS-01 LUXM 4/2 LED	500	260	85	Φ45 -Φ60mm



Photometric data OPTIMUS-01 LuxM 4LED

Light distribution diagram [Cd/1000lm]



Photometric data OPTIMUS-01 LuxM 2LED

Light distribution diagram [Cd/1000lm]

Description

- Body made of zincked steel sheet, painted.
- Mounting system for pole.
- The optical system designed to meet the requirements of the street lighting standard EN 13201, contains the power LEDs with specialized optics for road lighting.
- Passive aluminium cooler.
- Overvoltage protection with fuse and varistor.
- Gear (electronic LED driver) included in the product and manufactured according to the specific standards.
- Colour: grey.

Mounting

- The mounting system, from the end of the luminaire body, allows the mounting on console on pipe
- Possibility for rapid changing of the gear and optical module without tools.
- The product is delivered with 3m power supply cable.

Technical features

- Rated voltage: 230V/50Hz
- Surrounding temperature range: -30°C...+ 35°C.
- Relative humidity: till 80% at the temperature of + 20°C
- The luminaire is manufactured according to the requirements of the standards: SR EN 60598-1, SR EN 60598-2-3, SR EN 62031.

Compliance with the European Directives

- Low Voltage Directive.
- Electromagnetic Compatibility Directive.
- RoHS Directive, WEEE Directive.

Product type	Product code	Rated voltage [V]	Active power [W]	Power factor	Degree of protection	Class of protection against electric shock	IK	Weight [Kg]	Total average brut /net LEDs flux [lm]	Total luminous efficiency [lm/W]
OPTIMUS-01 LUXM 4 LED /700 5700K	35617157	230	35.3	≥0.99	IP66	I	IK08	3.0	4411 / 4145	125
OPTIMUS-01 LUXM 2 LED /700 5700K	35617158	230	19.1	≥0.93	IP66	I	IK08	3.0	2205 / 2072	115

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