

50W LED Optical Module BridgeLUX 60° 7500Lm IP65

Product codes:

Reference: 4815MG50W60



Product features:

Power source (V): 85-265V
Color temperature CCT: 4000K
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LED: SMD3030
LED chip brand: BRIDGELUX
Luminous efficacy (Lm/W): 180
Brightness (Lm): 7500
CRI: +80
IP: IP65
IK: IK10
Luminous angle: 60°
Frequency (Hz): 50-60Hz
Power factor: 0.90
Measures (mm): 350×75×30 mm
Material: Aluminum + PMMA
Driver: GXTronic
Operating temperature: -15°C ~ +70°C
Energy efficiency 2021: A+
Lifespan: 100.000h
Certification: CE - RoHS
Warranty: 5 años

Product attributes:

Color temperature CCT (°K): Natural white 4000K, Cool white 5000K

Product description:

LED Optical Module 50W MAGNUM BridgeLUX Chip 180Lm/W 60° 50W LED optical module with 60° beam, designed for installation in streetlights or public lighting fixtures, offering high energy efficiency and excellent heat dissipation. With a performance of up to 180 lm/W and a total luminous flux of 7,500 lumens, it delivers powerful, uniform and high-quality lighting while significantly reducing power consumption.

Equipped with **84 BridgeLUX SMD3030 3D LEDs** of high performance and durability, this optical module is built with a high-dissipation aluminium body, ensuring long lifespan and stable operation even under demanding environmental conditions.

The 60° beam concentrates light on the roadway or pedestrian zones, ideal for medium-distance illumination with uniformity, reduced glare and improved luminous efficiency.

Thanks to its IP65 protection rating, it is suitable for outdoor use and resistant to dust and splashes.

Technical data of the LED optical module

- Power: 50W

- Luminous efficacy: up to 180 lm/W
- Luminous flux: 7,500 lm
- Optics: 60° (focused distribution for street lighting)
- Protection: IP65 (outdoor use)
- Dimensions: 350×75×30 mm
- Lifespan: Extended, thanks to improved thermal dissipation
- Warranty: 5 years

Luminous information

- LED source: 84 BridgeLUX SMD3030 3D diodes
- Luminous efficacy: up to 180 lm/W
- Nominal flux: 7,500 lm
- Beam angle: 60°
- Optimal application: Lighting for streets, avenues and pedestrian areas

Electrical information

- Power: 50W
- Input voltage: According to driver (not included with the optical module)
- Compatibility: Direct replacement for modules in streetlight heads
- Energy saving: Replacement for discharge lamps or obsolete modules

Construction and dissipation

- Heat sink body: Aluminium with high thermal conductivity
- PCB: Metal base with excellent heat dissipation
- Front protection: IP65 sealing against dust and moisture
- Mounting: Prepared for fixing in streetlight heads (depending on model)

Recommended uses and applications

- Urban roads, streets and avenues
- Parks and pedestrian areas
- Parking lots and industrial zones
- Replacement for LED streetlight modules and luminaires

The **50W MAGNUM BridgeLUX LED Optical Module** combines maximum efficiency, long lifespan and robust construction, offering a sustainable and high-performance solution for upgrading public lighting systems.

Product gallery:

