

50W LED Module DOB OSRAM 7000Lm 90° IP67

Product codes:

Reference: 4835MG50W90DOB



Product features:

Power (W): 50
Power source (V): 175-260V
Color temperature CCT: 4000K
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LED: SMD3030
LED chip brand: OSRAM
Luminous efficacy (Lm/W): 180
Brightness (Lm): 7000
CRI: +84
IP: IP67
IK: IK10
Luminous angle: 90°
Frequency (Hz): 50-60Hz
Power factor: 0.91
Measures (mm): 305x75x80mm
Material: Aluminum + PMMA
Driver: DOB Driverless
Operating temperature: -15°C ~ +70°C
Energy efficiency 2021: A+
Lifespan: 50.000h
Certification: CE - RoHS
Warranty: 5 años

Product attributes:

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

Product description:

LED Module 50W DOB MAGNUM OSRAM Chip SMD3030-3D 180Lm/W 90° 50W LED optical module with DOB (Driver on Board) technology and 90° optics, designed for streetlights, floodlights or recessed luminaires, delivering exceptional luminous performance with maximum efficiency and durability. Equipped with **OSRAM SMD3030 3D** triple-core (3-Core) chip, this module achieves up to **7000 lumens** and 180 lm/W efficiency, ensuring powerful, uniform and visually comfortable lighting.

The board integrates **72 OSRAM SMD3030 3D LEDs (OS-CORE Sapphire ODB2235S.A)**, providing superior color rendering (CRI > 80) and excellent light stability, thanks to the high quality of OSRAM components.

The body is entirely made of **6063 aluminium** with oven-baked anti-corrosive paint, preventing salt oxidation and ensuring optimal thermal dissipation to extend LED lifespan.

With **IP67** protection and **IK10** impact resistance, this optical module is built to withstand harsh outdoor environments, ensuring safe and continuous operation.

Its robust construction and high energy efficiency make it an ecological and sustainable solution for public lighting modernization.

Includes a **5-year warranty**.

Technical data of the LED optical module

- Power: 50 W
- Technology: DOB (Driver on Board integrated)
- LED Chip: OSRAM SMD3030 3D (OS-CORE Sapphire ODB2235S.A)
- Number of diodes: 72 units
- Luminous efficacy: up to 180 lm/W
- Luminous flux: 7000 lm
- Colour temperature: 3000K / 4000K / 6000K
- Colour Rendering Index (CRI): > 80
- Optics: 90° (wide beam for street and flood lighting)
- Protection: IP67 / IK10
- Material: 6063 aluminium, oven-painted
- Estimated lifespan: > 50 000 hours
- Warranty: 5 years

Electrical information

- Nominal power: 50 W
- Technology: DOB – no external driver required
- Input voltage: AC 220–240 V
- Frequency: 50/60 Hz
- Power factor: > 0.95
- Electrical protection: Integrated surge and overheat protection

Construction and heat dissipation

- Body: Extruded 6063 aluminium with high thermal conductivity
- Finish: Oven-baked anti-corrosive coating (resistant to salt oxidation)
- Sealing: IP67 protection against dust and moisture
- Thermal dissipation: High-efficiency passive cooling system
- Mounting: Suitable for streetlights, floodlights and recessed luminaires

Recommended uses and applications

- Street and urban lighting
- Outdoor LED floodlights
- Recessed industrial or architectural luminaires
- Replacement for obsolete discharge lamps or modules

The **LED Module 50W DOB MAGNUM OSRAM** combines power, reliability and energy efficiency, making it an ideal solution for professional lighting projects requiring high performance and long lifespan.

Product gallery:

