

50W LED Module DOB OSRAM 7000Lm/W 60° IP67

Product codes:

Reference: 4834MG50W60DOB



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): 140
Brightness (Lm): 7000
CRI: +84
IP: IP67
IK: IK10
Luminous angle: 60°
Frequency (Hz): 50-60Hz
Power factor: 0.90
Measures (mm): 305x75x80mm
Material: Aluminum + PMMA
Driver: DOB
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 140Lm/W 60° 50W LED optical module with DOB (Driver on Board) technology and 60° optics, designed for use in streetlights, floodlights, or recessed luminaires, offering exceptional luminous performance with maximum efficiency and durability. Equipped with **OSRAM SMD3030 3D** triple-core (3-Core) chip, this module delivers up to **7000 lumens** and 140 lm/W efficiency, providing powerful, uniform and visually comfortable lighting.

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

The housing is made entirely of **6063 aluminium** with oven-cured 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 designed to withstand the toughest outdoor conditions, ensuring safe and continuous operation.

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

Includes a **5-year warranty**.

Technical data of the LED optical module

- Power: 50W
- Technology: DOB (integrated Driver on Board)
- LED chip: OSRAM SMD3030 3D (OS-CORE Sapphire ODB2235S.A)
- Number of diodes: 72 units
- Luminous efficacy: up to 140 lm/W
- Luminous flux: 7000 lm
- Colour temperature: depending on version (3000K / 4000K / 6000K)
- Colour rendering index (CRI): >80
- Optics: 60° (focused 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: 50W
- Technology: DOB – no external driver required
- Input voltage: AC 220–240V
- Frequency: 50/60Hz
- 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-cured 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

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- Replacement for outdated discharge lamps or modules

The **LED Module 50W DOB MAGNUM OSRAM** delivers the perfect combination of power, reliability and sustainability, making it an ideal choice for professional lighting projects requiring high performance, long lifespan and energy efficiency.

Product gallery:

