

## LED Optical Module - 65W- MOSO - Dimmable Programmable - HIGH LUMINOSITY 180Lm/W - Bridgelux



### Product code:

Reference: LM65W-MOSO

### Technical specifications:

REFERENCE: LM65W  
Rated Power : 65W  
Nominal Voltage: 110-260V  
Colour: 3000K - 4000K  
CRI - Chromatic Rendiment Index: 75  
Construction Material: Aluminium +PMMA  
Luminosity-Lm: 11700Lm  
Number & Type of LEDs: SMD 3030- 8D (8Cores) BRIDGELUX CHIP 2240DS-C30  
Beam Angle (°): 78°x156°  
Luminous diodo LED (Lm/W): 210Lm/W  
Luminous Efficiency (Lm/W): 180Lm/W  
Certifications: CE - ROHS  
IP : IP66  
Diode Life Expectancy (H): 50.000  
Dimensions (mm): 170x170xH31mm  
Power Factor (PF): 0.98  
Frequency (Hz): 50/60Hz  
Temperature Range (°C): -15°+70°  
On/Off Cycles: 100.000  
Starting Time (s): 0,2s  
Glare Rating (UGR): 13  
Impact Protection (IK) : IK10  
Driver included: MOSO X6-075M041 - 50.000h.  
Energy Rating (2021-UE-2019/2015): A++  
Warranty Years: 5

### Product short description:

Optical block LED module HIGH BRIGHTNESS LED module with a power of 65W and is manufactured with a team of 144 LEDs SMD 3030 8D, with Bridgelux Chip and driver DIMMABLE AND PROGRAMMABLE MOSO. This LED module is designed to be placed in all types of LED street lights. Excellent dissipation that translates into a much longer life and greater energy savings. 5 Years Warranty.

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The 65W LED Optical Block Module is serving as a replacement for the old bulbs that were very polluting, thanks to its power it can generate a great illumination in the streetlights. The quality of its materials make it an essential product to generate clean and long-lasting energy.

Our LED optical module improves on typical concepts, which address problems such as spacing between streetlights, preservation of the night sky by avoiding light pollution and improving visual comfort.

Installation and mounting of our LED module is made easy. Our LED module has 144 Bridgelux SMD 3030 diodes with 8 cores, which guarantees powerful and glare-free illumination.

It features high quality MOSO with a 5 year warranty.

Manufactured from pure aluminium, the module is perfect for long term durability, protecting against rust and corrosion, and even copes with extreme temperatures in both summer and winter.

Its IP66 protection rating protects the product against dust ingress as well as being waterproof, making it perfect for outdoor mounting.

High quality of the MOSO LED DRIVER:

- The PROGRAMMABLE MOSO Drivers are specifically designed for maximum reliability and flexibility in outdoor LED public street lighting applications.
- Featuring a surge protector, these Drivers are very durable with a lifetime in excess of 50,000 hours (13 years at 10 hours/day use) providing consistently high luminaire performance, even after multiple indirect lightning strikes (special protection for outdoor use).
- The programmable Driver allows the brightness to be changed automatically to intelligently adapt to the different night-time scenarios required in the luminaire. Up to 7 different programming steps are possible.

# Technical Datasheet

- It also allows the duration of transition changes to be programmed, so that the power lines and electrical connectors do not suffer during power changes; for example, the lines can be programmed to start up progressively for 60 seconds, thus avoiding overloading the connectors and power lines.

Benefits of the MOSO LED DRIVER:

- Universal input voltage / high range: 90 to 305 V AC.
- Surge protection: 5KV line-to-line, 10KV line-to-ground.
- AOC (Adjustable Output Current) gives full flexibility to output different currents to specification in different projects: Dimmable 3 in 1: 0 ~ 10Vdc, PWM, Dimming timer. Dimmable up to off.
- Compact aluminium housing with perfect thermal insulation.
- Excellent protection against water and dust IP67.
- Built-in "BLACK BOX" logging function for easy fault diagnosis.
- High quality of light during the life cycle of the driver, as it allows the driver's milliamps to be increased and the luminaire's lumens to be increased to adapt the loss of diode luminosity to the real luminosity that the luminaire has to deliver throughout its useful life.
- Robust specifications for humidity, vibration and extreme temperature protection.
- 5 years warranty.

Uses of LED Optical Module - 65W- MOSO - Dimmable Programmable - HIGH LUMINOSITY 180Lm/W - Bridgelux

- Streets
- Parks
- Squares
- Gardens
- Paths
- Courtyards

In FactorLED we ensure that our products have QUALITY guarantee and offer all the necessary elements for DISTRIBUTION, IMPORT or WHOLESALE, including the technical data sheet of each LED product.

## Additional images:

