

MOSO LED Driver 80W - U5 Series - Dimmable and Programmable DALI-2 - ENEC25 - 5 Years Warranty



Product code:

Reference: MOSO-U580W

Technical specifications:

REFERENCE: MOSO-U580W
Nominal Voltage:
Construction Material: PMMA
IP : IP20
Power Factor (PF): 0.95
Frequency (Hz): 50/60Hz
Temperature Range (°C):

Product short description:

The **MOSO LED Driver U5 Series** is the ideal solution for LED luminaires up to 80W requiring advanced and efficient control. This driver is dimmable and programmable via **DALI-2** or **NFC**, allowing easy adjustment of lighting intensity and features for any project. Designed for a lifespan exceeding **50,000 hours**, it offers excellent surge protection and adjustable output current. Its compact and efficient design ensures optimal thermal performance, extending product durability. Additionally, it is **3-in-1 dimmable** (0-10V, PWM, timers), providing maximum versatility in lighting management. Ideal for both indoor and outdoor applications.

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The **MOSO LED Driver U5 Series** is an advanced solution for LED luminaires up to 80W, offering maximum efficiency, durability, and precise control. Compatible with **DALI-2** and **NFC**, it allows personalized adjustments for light intensity and operation schedules to meet specific project requirements.

Key Features:

- **Advanced dimming:** Supports **3-in-1** (0-10V, PWM, and dimming schedules) for flexibility.
- **Smart programming:** Configure via **DALI-2** or **NFC** for tailored performance.
- **Long lifespan:** Over **50,000 hours**, ensuring long-term cost efficiency.
- **Robust protection:** Surge protection and adjustable output current for reliability.
- **Efficient design:** Compact size with optimal thermal management.
- **Certifications:** Complies with ENEC25, CE, ROHS, and **CLASS I/II**.

Dimming Options:

- **DALI-2 Power Control:** Adjust brightness to optimize energy use and ambiance, perfect for offices or meeting spaces.
- **TimingDIM (Schedule Programming):** Automates on/off timings, ideal for commercial areas or warehouses.
- **TIMING-DALI-2:** Combines DALI-2 dimming and scheduling for full control, enhancing efficiency in large installations.

Applications:

- **Indoor Lighting:** Perfect for offices, hospitals, classrooms, and retail spaces.
- **Protected Outdoor Use:** Suitable for **IP20** fixtures in covered areas.
- **Custom Projects:** Versatile control for stores, showrooms, or adaptable environments.
- **Industry & Logistics:** Energy-saving schedules in warehouses and factories.

Competitive Advantages:

The MOSO U5 Driver excels in customization, energy efficiency, and durability, making it an ideal choice for projects requiring intelligent, reliable lighting control.

Additional images:

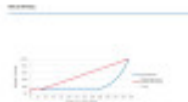
Technical Datasheet



MOSB



Technical Data	
Model	MOSB 12V 10A
Input Voltage	100-240V AC
Output Voltage	12V DC
Output Current	10A
Power	120W
Efficiency	> 85%
Regulation	< 1%
Load Regulation	< 0.5%
Line Regulation	< 0.5%
Temperature Coefficient	< 0.5%
Operating Temperature	-25°C to +75°C
Storage Temperature	-40°C to +125°C
Humidity	5% to 95% RH
Shock	10g
Vibration	10g
MTBF	> 100,000 hours
MTTR	< 1 hour
Warranty	3 years



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