

## MOSO LED Driver 165W - U5 Series - Dimmable and Programmable DALI-2 - ENEC25 - 5 Years Warranty



### Product code:

Reference: MOSO-U5165W

### Technical specifications:

REFERENCE: MOSO-U5165W  
Nominal Voltage:  
Construction Material: PMMA  
Dimmable: Dimmable DALI-2  
Certifications: CE-RoSH-TÜV-ENEC  
IP : IP20  
Power Factor (PF): 0.98  
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 **165W** 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.

### Product description:

MOSO LED Driver 165W - U5 Series - Dimmable and Programmable DALI-2 - ENEC25 - 5 Years Warranty

The **MOSO LED Driver U5 Series** is an advanced solution for LED luminaires up to 165W , 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



HPSU



Model	Power	Efficiency	Dimensions	Weight
HPSU-1000	1000W	88%	150x100x40mm	1.5kg
HPSU-1500	1500W	90%	180x120x50mm	2.0kg
HPSU-2000	2000W	92%	210x140x60mm	2.5kg



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