

# LiFud LED Driver 48 W, 1200 mA

## Product codes:

Reference: AM4582

EAN13: -

UPC: 850444090

## Product features:

Input voltage: 220-240 V AC, 50/60 Hz

Output voltage: 30-40 V DC

Output current: 1200 mA

Performance: 48 W

Frequency: 50-60 Hz



## Product attributes:

## Product description:

The LiFud LF-GIF050YS1200H is an isolated LED driver for powering LED luminaires with a constant current. It is designed for 220-240 V AC mains supply and an output current of 1200 mA. The product is suitable for applications requiring a stable power supply for LED panels or luminaires within the corresponding current and voltage range.

## Technical Specifications

- Manufacturer: LiFud
- Product type: Constant current LED driver
- Design: Isolated driver
- Rated power: 48 W
- Input voltage: 220-240 V AC
- Input voltage range: 198-264 V AC
- Input frequency: 47-63 Hz
- Maximum input current: 0.4 A
- Output current: 1200 mA
- Output voltage: 30-40 V DC
- Efficiency:  $\geq 88\%$  at 230 V DC
- Power factor:  $\geq 0.95$  at 230 V AC
- THD:  $\leq 20\%$  at 230 V AC

- Flicker index: Complies with IEEE 1789
- CIE SVM:  $\leq 0.4$
- IEC-Pst:  $\leq 1$
- Output current tolerance:  $\pm 5\%$
- Temperature drift:  $\pm 10\%$
- Start-up time:  $\leq 0.5$  s
- Inrush current:  $\leq 35$  A and  $180$   $\mu$ s at 230 V AC
- Leakage current:  $\leq 0.7$  mA
- Standby power consumption:  $\leq 0.5$  W
- No-load protection: 55 V
- Short circuit protection: Hiccup mode with auto-recovery
- Operating temperature:  $-30$  to  $+45$  °C
- Operating humidity: 0-95% RH non-condensing
- Storage temperature:  $-30$  to  $+80$  °C
- Atmospheric pressure: 86-106 kPa
- Dimensions: 140 x 44 x 30 mm
- Certifications: ENEC, RCM, CE, CB, CCC
- Insulation strength: I/P-O/P 3.75 kV, 5 mA, 60 s
- Insulation resistance: I/P-O/P  $> 100$  M $\Omega$  at 500 V DC

### **Features and Properties**

- Powers LED loads with a constant current of 1200 mA.
- Isolated design between input and output sections.
- Output range of 30-40 V DC for LED loads matching this operating range.
- Flicker-free design compliant with IEEE 1789.
- Integrated short circuit protection with auto-recovery.
- No-load protection.
- Designed for indoor use.
- Suitable for Class II protection luminaires.

### **Ideal For**

- LED panel lights with a constant current of 1200 mA.
- Indoor LED lighting.
- Decorative LED lighting.
- Service replacement of an LED driver with matching electrical parameters to the original power supply.
- Luminaires where a reduction in visible flickering is required.

### **Package Contents**

- 1 x LED driver

### **Why Choose This Product**

- Specific model with a 1200 mA output and a 30-40 V DC voltage
-

range.

- Technical parameters match the requirements for constant current LED luminaires.
- The driver features short circuit and no-load protection.
- Isolated design with specified insulation strength between input and output.
- Listed certifications: ENEC, RCM, CE, CB, and CCC.

### **Installation and Operating Instructions**

- Installation must only be carried out by a qualified electrician.
- Before connecting, verify that the output current and voltage range match the connected LED load.
- Connect input and output wires only when the mains power is disconnected.
- The driver must be installed in an environment that meets the specified operating temperature and humidity ranges.
- Do not cover the driver with materials that restrict heat dissipation.

### **Safety Warnings**

- The device operates on 220-240 V AC mains voltage; improper handling may result in electric shock.
- Always disconnect the power supply and verify there is no voltage before installation, replacement, or inspection.
- Do not use the driver with an LED load outside the specified range of 30-40 V DC and 1200 mA.
- Incorrect wiring may cause damage to the driver and LED load, resulting in a short circuit or overheating.
- Do not use the driver in environments with condensing humidity.

### **Product gallery:**

