

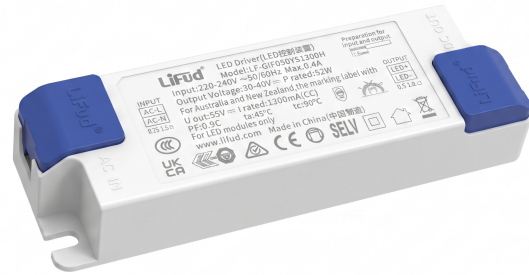
LiFud LED Driver 52 W, 1300 mA

Product codes:

Reference: AM3385

EAN13: -

UPC: 85044090



Product features:

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

Output voltage: 30-40 V DC

Output current: 1300 mA

Output power: 52 W

Product attributes:

Product description:

The LiFud LF-GIF050YS1300H is an isolated constant current LED driver designed for powering LED luminaires from a 220–240 V AC mains supply. It provides a stabilized output of 1300 mA within a voltage range of 30–40 V DC and is intended for indoor lighting applications, particularly LED panels, Class II luminaires, and decorative lighting.

Technical Specifications

- Product type: Isolated constant current LED driver
- Output power: 52 W
- Output current: 1300 mA
- Output voltage: 30–40 V DC
- Input voltage: 220–240 V AC
- Input voltage limit range: 198–264 V AC
- Input frequency: 47–63 Hz
- Maximum input current: 0.4 A
- Power factor: ≥ 0.95 at 230 V AC
- THD: $\leq 20\%$ at 230 V AC
- Efficiency: $\geq 88\%$ at 230 V AC
- Output current tolerance: $\pm 5\%$
- Temperature drift: $\pm 10\%$
- Turn-on time: ≤ 0.5 s

- Flicker index: Complies with IEEE 1789
- CIE SVM: ≤ 0.4
- IEC-Pst: ≤ 1.0
- Leakage current: ≤ 0.7 mA
- Standby power consumption: ≤ 0.5 W
- Open circuit protection: ≤ 55 V
- Short circuit protection: Hiccup mode with automatic recovery
- Operating temperature: -30 to $+45$ °C
- Operating humidity: 0–95% RH non-condensing
- Storage temperature: -30 to $+80$ °C
- Storage humidity: 0–96% RH non-condensing
- Atmospheric pressure: 86–106 kPa
- Dimensions: 140 × 44 × 30 mm
- Housing material: ABS plastic
- Certifications: ENEC, RCM, CE, CB, CCC
- Test isolation voltage between input and output: 3.75 kV, 5 mA, 60 s
- Insulation resistance between input and output: ≥ 100 M Ω at 500 V DC

Features and Properties

- Constant current output for LED loads with an operating range of 30–40 V DC.
- Isolated design separates the input mains section from the LED output.
- Protective earth-free design intended for use in Class II luminaires.
- Short circuit protection operates in hiccup mode with automatic recovery after fault removal.
- Open circuit protection limits output voltage when the LED load is disconnected.
- Low-ripple luminous flux design complies with IEEE 1789 requirements.
- Plastic housing with mounting holes allows firm attachment inside the luminaire or installation space.

Ideal For

- LED panels with a matching current and voltage range.
- Indoor LED luminaires powered by a constant current.
- Decorative interior lighting.
- Class II luminaires requiring an isolated LED driver.
- Service replacement of an LED driver with identical electrical parameters.

Package Contents

- 1× LiFud LED driver
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Why Choose This Product

- The 1300 mA output current and 30–40 V DC range allow use with LED modules matching these parameters.
- The isolated design is suitable for electrically separated LED load power supplies.
- Integrated short circuit and open circuit protections reduce the risk of damage during fault conditions.
- Dimensions of 140 × 44 × 30 mm make it easy to assess fitment when replacing in an existing luminaire.
- The listed safety and EMC certifications support its use in lighting applications requiring verified power components.

Installation and Operating Instructions

- Before installation, verify the compatibility of the 1300 mA output current and 30–40 V DC voltage range with the used LED load.
- Connect the LED load with the correct polarity to the driver's output terminals.
- Install the driver in a non-condensing environment away from sources of excessive heat.
- Perform the installation so that the supply wires are not strained and proper operating heat dissipation is ensured.
- The product is intended for professional installation by a person with appropriate electrical qualifications.

Safety Warnings

- The device operates on 220–240 V AC mains voltage; improper handling may cause an electric shock.
- Perform installation, replacement, and inspection only when the power supply is disconnected.
- Do not connect the driver to an LED load with an incompatible current or voltage range.
- Do not cover the driver with materials that could impair heat dissipation.
- Do not use the product if the housing, wires, or terminals are mechanically damaged.
- The driver is not intended for operation in humid environments with condensation.

Product gallery:

