LED module round 7W, ⌀50mm, 220-240V AC

Product codes:

Reference: AM1459
EAN13: -
UPC: 85414100

Product features:

Angle of light: 120-130°
Luminosity: 530-600 lm
LED type: 2835 SMD
Voltage: 220-240 V AC
Number of LEDs: 12
Outer diameter: 50 mm
Lifetime: 10,000 hours

Product attributes:

Color of light: Warm white (3000-3500K), Cool white (6000-6500K)

Product description:

Round LED module for direct power supply from 220–240V AC. It is intended for repair and production of luminaires where a compact light unit with a printed circuit board and a wide beam angle is required. The module is available in color temperature variants for warm and cool white.

Technical specifications

- Power consumption: 7 W
- Power supply: 220-240V AC
- LED type: SMD 2835
- Number of LEDs: 12
- Module outer diameter: 50 mm
- Beam angle: 120–130°
- Luminous flux: 530–600 lm
- Lifespan: 10,000 hours

- Light color options: warm white (3000–3500 K), cool white (6000–6500 K)

Functions and features

- Compact circular design suitable for integration into luminaires with limited space
- Direct power supply from 220–240 V AC mains without external DC source
- Wide beam angle suitable for area lighting
- SMD 2835 LED assembly for general lighting applications

Ideal for

- Repairs and overhaul of network LED luminaires
- Production of simple luminaires with direct power supply from the mains
- Ceiling and wall lights with a circular light module
- Technical and utility lighting in the interior

Package contents

- 1× LED module round Ø50 mm
- Wires and terminal blocks are not included in the package.

Why choose this product?

- Clearly defined parameters for light module design and replacement
- Possibility to select color temperature according to application requirements
- Standard LED type (SMD 2835) and compact size Ø50 mm
- Suitable solution for service use and piece production of luminaires

Installation and operating instructions

- The module does not contain wires or a terminal block; the lead wires must be soldered directly to the LED module's printed circuit board.
- Before soldering, verify the polarity/marking of the connection points on the board and use wires with appropriate insulation for the mains voltage.
- Install the module on a suitable substrate with regard to heat dissipation; when designing the luminaire, ensure sufficient thermal insulation and ventilation according to the structure.
- After installation, check the mechanical fastening, electrical insulation and strain relief of the supply wires.
- Operate only in an enclosed luminaire or in a structure that prevents accidental contact with live parts.

Safety notice

- The module is designed for 220–240 V AC power supply; this is a dangerous mains voltage with a risk of electric shock, burns or fire.
- Perform installation and service only with the power disconnected and after verifying that there is no voltage present on the wires.
- We recommend that the installation and connection be entrusted to a person with appropriate electrical qualifications and knowledge of working with mains voltage.
- Do not operate the module outside the luminaire without protection against contact; live parts may be present on the board.
- Use proper tools and procedures when soldering; improper soldering can lead to overheating of the connections, short circuits, or loose wires.
- Ensure sufficient insulation distances, mechanical relief of the leads and protection against vibrations; a loose wire can cause a short circuit or injury.
- Do not install the module in an environment with water or high humidity unless the entire luminaire structure is designed for the given conditions.
- Do not cover the module with thermal insulation materials or restrict heat dissipation; excessive temperature shortens the service life and increases the risk of failure.
- If the board, LED or supply connections are damaged, do not use the module any further and remove it from service.

Product gallery: