

LED module round 9W, ø60mm, 220-240V AC

Reference: AM8706

EAN13: -

HS code: 85414100

Product attributes:

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

Product features:

Angle of light: 120-130°

Luminosity: 720-810 lm

LED type: 2835 SMD

Voltage: 170-275 V AC

Number of LEDs: 24

Outer diameter: 60 mm



Product description:

The round LED module for direct AC power supply is designed for repair and production of luminaires where a compact circular printed circuit board and a wide beam angle are required. The module is available in warm white or cool white light color options.

Technical specifications

- LED type: 2835 SMD
- Number of LEDs: 24
- Rated power consumption: 9 W
- Power supply: 170-275 V AC (direct mains power supply)
- Outer diameter: 60 mm
- Beam angle: 120-130°
- Luminous intensity: 720-810 lm
- Light color (variants): warm white (3000-3500 K), cool white (6000-6500 K)

Functions and features

- Circular design for installation in compact luminaires and light sources
- Wide beam angle suitable for area lighting
- Power supply directly from AC without external low-voltage source (depending on module design)
- SMD LED installation for even light distribution across the module surface

Ideal for

- Repairs and overhaul of luminaires with a circular LED module Ø60 mm
- DIY and prototype designs of networked LED luminaires
- Ceiling and wall lights with diffuser and sufficient space for insulation and cooling

Package contents

- 1x LED module round Ø60 mm
- Wires and terminal blocks are not included in the package.

Why choose this product?

- Clearly defined electrical and optical parameters for luminaire design and service
- Compact size of Ø60 mm while maintaining a wide beam angle
- Possibility to select color temperature according to application

Installation and operating instructions

- Important: 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, disconnect the power supply and verify that there is no voltage.
- Use wires with appropriate insulation for the mains voltage and provide strain relief to prevent mechanical stress from being transferred to the soldered joints.
- After installation, ensure that no conductive part of the module can touch the metal parts of the luminaire without adequate insulation.
- Install the module in the luminaire in such a way that sufficient cooling is ensured and the operating conditions given by

the luminaire design are not exceeded.

Safety notice

- Warning: The module is powered by a mains voltage of 170–275 V AC. Improper handling may result in electric shock, fire or damage to the device.
- Perform installation and service only with the power supply disconnected; after disconnection, wait for any components in the circuit to discharge and always verify the voltage-free state by measurement.
- Do not operate the module outside of an enclosed luminaire or without providing a cover that prevents contact with live parts.
- Ensure sufficient insulation distances and mechanical fastening; do not allow contact with conductive parts, screws or edges that may damage the insulation of the wires.
- Use only wires and soldering material suitable for network applications; after soldering, check the quality of the connections and the absence of short circuits.
- Do not operate the module in environments with high humidity or where condensation may occur unless the luminaire design provides adequate protection.
- If the board, LEDs, soldering pads or wire insulation are damaged, do not use the module any longer.

