LED module round 15W, ⌀105mm, 220-240V AC

Reference: AM4172
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: 1200-1350 lm
LED type: 2835 SMD
Voltage: 170-275 V AC
Number of LEDs: 36
Outer diameter: 105 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

- Code: AM4172
- Power consumption: 15 W
- Power supply: 170-275V AC
- LED type: SMD 2835
- Number of LEDs: 36
- Outer diameter: 105 mm
- Beam angle: 120–130°
- Luminous intensity: 1200–1350 lm
- Light color (variants): warm white 3000–3500 K, cold white 6000–6500 K

Functions and features

- Circular design suitable for luminaires with a central space and uniform light distribution.
- Wide beam angle for area lighting.
- Possibility to choose the light color according to the application (warm/cold white).
- Important: the module does not contain wires or a terminal block; the wires must be soldered directly to the LED module's printed circuit board.

Ideal for

- Repairs and overhaul of LED luminaires powered by AC mains.
- Recessed and ceiling lights with a circular LED module.
- Technical and utility lighting where a wide beam angle is required.

Package contents

- 1× LED module round Ø105 mm

Why choose this product?

- Power supply directly from the AC mains in the range of 170–275 V.
- Defined mechanical dimensions for easy replacement in compatible luminaires.
- Luminous flux and beam angle parameters suitable for area lighting.
- Possibility to choose the color temperature according to the project requirements.

Installation and operating instructions

- Before installation, check the mechanical compatibility (diameter 105 mm) and the method of attachment in the luminaire.
- For connection, use wires with appropriate insulation for the mains voltage; solder the wires to the designated soldering pads on the PCB.

- When soldering, work with the power supply disconnected and ensure mechanical relief of the leads (preventing the soldering pads from tearing off).
- Ensure appropriate cooling according to the luminaire design; do not install the module in an enclosed space without heat dissipation.
- After installation, check the fastening, insulation distances and perform a functional test.

Safety notice

- The module is designed for a power supply of 170–275 V AC. This is a dangerous mains voltage that can cause electric shock or fire.
- Perform all work only with the power supply disconnected and after verifying that there is no voltage present on the connections.
- Installation may only be carried out by a qualified person with knowledge of working on electrical equipment in network distribution systems.
- Do not shorten the insulation distances and ensure safe routing of wires; prevent live parts from coming into contact with the metal body of the luminaire.
- After soldering the wires, it is necessary to ensure electrical insulation and mechanical fixation of the connection so that it cannot become loose, short-circuit or come into contact with other parts of the luminaire.
- Do not operate the module without a suitable luminaire cover/diffuser where live parts could be touched or conductive objects could enter.
- Do not install the module in an environment with moisture condensation or in places where leaks may occur, unless the luminaire is designed for the given conditions.
- In the event of a malfunction (odor, smoke, abnormal heating, flickering), immediately disconnect the power supply and do not use the device any further.