LED module round 12W, ⌀74mm, 220-240V AC

Reference: AM9702
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: 960-1080 lm
LED type: 2835 SMD
Voltage: 170-275 V AC
Number of LEDs: 24
Outer diameter: 74 mm

Product description:

Round LED module for direct use in mains-powered luminaires. Thanks to its compact diameter of 74 mm, it is suitable for repair and production of luminaires where simple integration of the LED PCB and a wide beam angle are required.

Technical specifications

- Code: AM9702
- Power consumption: 12 W
- Power supply: 170-275V AC
- LED type: SMD 2835
- Number of LEDs: 24
- Outer diameter: 74 mm
- Beam angle: 120–130°
- Luminous intensity: 960–1080 lm
- Light color (variants): warm white (3000–3500 K), cool white (6000–6500 K)

Functions and features

- LED module on a printed circuit board for mounting in luminaires
- Wide beam angle suitable for area and diffuse lighting
- Possibility to choose color temperature according to product variant
- Important: the module does not contain wires or a terminal block; wires must be soldered directly to the LED module's printed circuit board

Ideal for

- Repairs and overhaul of mains-powered luminaires
- Recessed and ceiling lights with limited space (Ø74 mm)
- Technical luminaires, workshop and utility lighting
- Production of prototypes and custom luminaires

Package contents

- 1× LED module round Ø74 mm

Why choose this product?

- Defined electrical parameters for mains power supply in the range of 170–275 V AC
- Compact size and standard SMD 2835 mounting for common lighting applications
- Wide beam angle for even light distribution
- Possibility to choose warm or cool white according to application requirements

Installation and operating instructions

- Install the module on a mechanically solid and thermally suitable substrate; when designing the luminaire, it is necessary to ensure heat dissipation according to the structure and operating conditions.
- Connect the wires by soldering them to the designated pads on the PCB; use wires with appropriate insulation for the

mains voltage.

- Before installation, check the spatial possibilities of the luminaire (diameter 74 mm) and avoid contact of the module with conductive parts without insulation.
- After installation, check the mechanical fastening, insulation and function before putting into permanent operation.

Safety notice

- The product is designed for mains power; it operates with hazardous voltages in the range of 170-275 V AC. Improper handling may result in electric shock, burns or fire.
- Perform all wiring and installation work only with the power supply disconnected and after verifying that the device is de-energized.
- Installation and servicing should be performed by a qualified person with knowledge of working on low voltage electrical equipment.
- Do not switch on the module outside the luminaire or without adequate mechanical protection; it is necessary to avoid touching live parts and soldering points.
- The module does not contain wires or a terminal block; improper soldering or insufficient insulation of the connections may cause a short circuit, overheating or electric shock.
- Ensure sufficient insulation distances and mechanical relief of the connected wires to prevent loosening of soldered joints.
- Do not operate the module in environments with high humidity or in places where condensation may occur unless the luminaire design provides adequate protection.
- Do not cover the module with thermal insulation materials or restrict heat dissipation; excessive temperature may lead to shortened service life or failure.
- If there is any damage to the board, LEDs or leads, do not use the module any further and remove it from service.