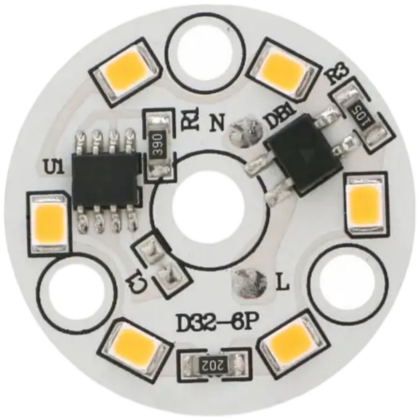
LED module round 3W, ⌀32mm, 220-240V AC

Reference: AM5426
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: 220-260 lm
LED type: 2835 SMD
Voltage: 220-240 V AC
Number of LEDs: 6
Outer diameter: 32 mm

Product description:

The round LED module for direct power supply from the 220–240V AC network is designed for integration into luminaires and lighting assemblies where a compact design and simple electrical connection are required. Thanks to its 44 mm diameter, it is particularly suitable for smaller luminaires, replacement of light panels and service repairs.

Technical specifications

- LED type: 2835 SMD
- Number of LEDs: 12
- Light color: white (depending on the variant, warm white 3000–3500K / cold white 6000–6500K)
- Power supply: 220-240V AC
- Power consumption: 5 W
- Module outer diameter: 44 mm
- Beam angle: 120–130°
- Luminous intensity: 400–450 lm

Functions and features

- Compact circular design for integration into luminaires with limited space
- Wide beam angle suitable for area lighting
- Power supply directly from the 220–240V AC network (no need for an external DC source)
- Light color variation according to the selected combination (warm white / cold white)

Ideal for

- Service replacement of LED boards in mains powered luminaires
- Recessed and surface-mounted luminaires with circular space for Ø44 mm module
- Technical and utility luminaires where simple integration of the LED module is required

Package contents

- 1x LED module round Ø44 mm
- Important: the module does not contain wires or a terminal block, the wires must be soldered directly to the printed circuit board of the LED module

Why choose this product?

- Clearly defined parameters for the design and replacement of light modules
- Compact size while maintaining useful luminous flux
- Possibility to select color temperature according to application

Installation and operating instructions

- Perform installation only when the power supply is disconnected and the workplace is secured against accidental switching on.
- Solder the wires directly to the module's solder pads; use wires with appropriate insulation for the mains voltage and ensure sufficient strain relief (mechanical securing of the wires outside the soldering point).
- When soldering, reduce the heating time to the necessary minimum to avoid damaging the LED or the printed circuit board.

- Install the module in the luminaire so that live parts cannot be touched and that sufficient distance from metal parts of the structure is ensured according to insulation requirements.
- Ensure appropriate cooling according to the luminaire design; do not operate the module in a closed space without heat dissipation, as excessive heating may occur.
- After installation, check the strength of the connections, insulation and perform a functional test in the luminaire.

Safety notice

- The product is designed for 220-240 V AC power supply. Improper handling may result in electric shock, fire or damage to the device.
- Entrust installation and service to a qualified person with knowledge of working on low voltage electrical equipment.
- Do not connect the module to power during assembly, soldering or when the wires are exposed. Always verify that the module is de-energized before any intervention.
- Do not operate the module outside the luminaire or without providing protection against contact. During operation, dangerous parts under mains voltage may be present on the board.
- Ensure proper insulation and mechanical securing of the supply wires. A loose wire or insufficient insulation may cause a short circuit, overheating or injury.
- Do not install the module in an environment with water, condensation or high humidity unless adequate protection is provided within the luminaire design.
- Do not cover the module with thermal insulation materials and do not exceed the temperature limits given by the luminaire design; excessive temperature shortens the service life and increases the risk of failure.
- If the printed circuit board, LEDs, solder pads or insulation are damaged, do not use the module any longer.