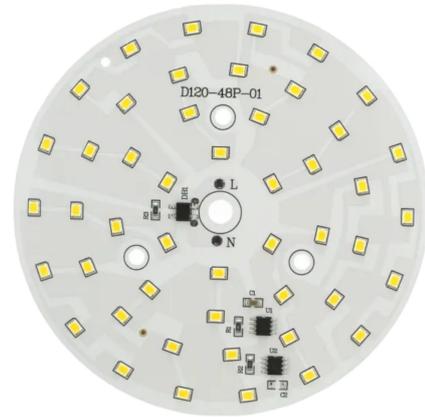


LED module round 18W, ø120mm, 220-240V AC

Reference: AM6592
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: 1440-1620 lm
LED type: 2835 SMD
Voltage: 170-275 V AC
Number of LEDs: 48
Outer diameter: 120 mm

Product description:

The round LED module is intended as a light source for luminaires and retrofits of lighting fixtures where a compact circular printed circuit board and direct AC power supply are required. The module is available in warm white (3000-3500K) and cool white (6000-6500K) light color options.

Technical specifications

- Code: AM6592
- LED type: SMD 2835
- Number of LEDs: 48
- Rated power: 18W
- Power supply: 170-275V AC
- Outer diameter: 120 mm
- Beam angle: 120-130°
- Luminous flux: 1440-1620 lm
- Light color (combination): warm white (3000-3500K) or cool white (6000-6500K)

Functions and features

- Power supply directly from AC mains in a wide range of 170-275 V AC
- Circular design for integration into ceiling and wall luminaires
- Wide beam angle for even illumination
- SMD 2835 assembly for compact module design
- 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

Ideal for

- Repairs and overhaul of luminaires with a circular LED module
- Ceiling and wall lights for interiors
- Technical and purpose-built luminaires requiring AC power supply
- Custom lighting fixtures and prototypes

Package contents

- 1x LED module (PCB) Ø120 mm
- Without wires and without terminal block

Why choose this product?

- Defined parameters for power, power range and luminous flux
- Possibility to choose the light color according to the application
- Compact circular format suitable for common luminaire designs
- Wide beam angle for area lighting

Installation and operating instructions

- Install in a luminaire or assembly that ensures mechanical fixation of the module and protection against touching live parts.
- Solder the wires directly to the module's solder pads; use wires with appropriate temperature resistance and cross-section according to the current load.
- When soldering, minimize the heating time of the soldering pads and prevent overheating of the LEDs and PCB.
- Ensure heat dissipation according to the luminaire design; operation without adequate cooling may shorten the service life and cause failure.
- Before commissioning, check the quality of soldered joints, mechanical fastening and electrical insulation.

Safety notice

- The module is designed for mains power and operates with a dangerous voltage of 170–275 V AC. Improper handling may result in electric shock, burns or fire.
- Installation and servicing may only be carried out by a qualified person with knowledge of working on electrical equipment and in compliance with applicable standards and regulations.
- Before any manipulation, always disconnect the device from the power supply and verify that it is voltage-free. It is not enough to simply turn off the power switch, it is necessary to ensure disconnection from the mains.
- The module does not contain any wires or terminal block; the connection is made by soldering. Insufficiently made soldered connections, loose wires or inadequate insulation can cause overheating, short circuit and subsequent damage or fire.
- After connection, all live parts and soldered connections must be reliably covered and secured against contact. The module must not be operated in a freely accessible manner.
- Maintain sufficient insulation distances and use suitable insulation materials that are resistant to the temperatures generated during operation.
- Do not operate in environments with high humidity or where condensation may occur unless the module is part of an appropriately covered luminaire.
- Ensure adequate cooling. Overheating can lead to LED degradation, parameter changes, failure, and increased risk of damage to surrounding materials.
- Do not use the module if there is any damage to the PCB, LEDs, solder pads, or signs of overheating.