

24V 14W COB CCT selectable LED Strip Kit IP20 5m + RF controller + Power supply. 75W MeanWell

Product codes:

Reference: KITCCTIP20



Product features:

Power (W): 75
Power source (V): 12/24V-DC
Color temperature CCT: Graduable 3000K hasta 6000K
LED: COB Flip chip
Dimmable: Control Remoto
Brightness (Lm): 1300
CRI: +90
IP: IP20
Luminous angle: 180°
Frequency (Hz): 50-60Hz
Power factor: 0.95
Medida de corte (mm.): 25mm
Material: Aluminum + PC
Driver: MEANWELL
Operating temperature: -20°C ~ +40°C
Energy efficiency 2023: E
Lifespan: 30.000h
Certification: CE - RoHS
Warranty: 3 años

Product attributes:

Product description:

Adjustable CCT 24V 14W/m COB LED Strip Kit with Controller and MEANWELL Power Supply COB LED Strip Kit, 24VDC, 14W/m, adjustable CCT color temperature from 2700K to 6000K, with CCT controller and RF remote control, and MEANWELL 75W power supply.

The 24VDC 14W/m COB LED strip kit comes in a 5-meter roll with 608 LED chips per meter, offering a continuous visual effect. It provides high brightness with a luminous flux of 1300 lumens per meter. It is extremely flexible and moldable, with a width of 10mm, and a CRI above 90, ensuring excellent color rendering. It can be cut every 25mm and is dimmable. It includes 3M adhesive on the back.

Kit Contents

- **COB LED Strip:** 5 meters, 24VDC, 14W/m, 608 chips/m, CRI >90
- **CCT Controller:** Allows adjustment of color temperature from 2700K to 6000K
- **RF Remote Control:** Full lighting control from a distance
- **MEANWELL Power Supply:** 75W power, ensures stable and safe supply
- **Adhesive:** 3M on the back of the LED strip for easy installation

Technical Specifications

- **Voltage:** 24VDC
- **Power:** 14W/m
- **LED Chips:** 608 chips/m
- **Luminous Flux:** 1300 lumens/m
- **Width:** 10mm
- **CRI:** >90
- **Cutting:** Every 25mm
- **Adhesive:** 3M on the back
- **IP Rating:** IP20
- **Dimmable:** Yes

CCT System in LED Strip

The CCT (Correlated Color Temperature) system in the LED strip allows selecting the color temperature from warm white 2700K to cool white 6000K gradually, without jumps or flickers. This system is ideal for creating personalized environments, as it allows adjusting the light according to the needs of the moment. Additionally, the light intensity can be adjusted from 10% to 100%, providing full control over the lighting.

COB CCT LED Strip

The LED strip included in the kit is made with FLIP COB LED chip with 608 points per meter, creating a continuous neon-like lighting effect without dots or shaded areas. The LED strip has a width of 10mm, and can be cut to size every 25mm. It includes a 15cm connection cable at the beginning to connect to the LED controller circuit and the power supply. The strip delivers a total power of 70W distributed in 14W per meter.

MEANWELL Power Supply

The kit includes an IP20 power supply from the prestigious brand MEANWELL, with a maximum power of 75W and a current intensity of 3.2A. The power supply, with compact dimensions of 99x97x30mm, can be hidden in junction boxes, false ceilings, or under furniture. MEANWELL power supplies meet the most demanding quality standards and are the most used for professional quality LED installations.

RF Dimmer CCT Controller

The RF CCT dimmer LED controller allows adjusting, via the remote control, the color temperature of the LED strip from 2700K to 6000K. It also allows dimming the LED strip's brightness from 100% to 10% smoothly without jumps or flickers. The touch remote control is very sensitive and intuitive, allowing precise adjustments of the desired lighting.

Advantages of Installation in Aluminum Profiles

We recommend installing the COB LED strip on aluminum profiles for proper heat dissipation and to maximize its lifespan. 24V LED strips require a power supply and can be installed in runs of up to 10 meters. If longer lengths are installed, the LED strip must be powered from both ends.

Operating at 24VDC

The LED strip operates at 24VDC, so it requires an external power supply and cannot be connected directly to the 230V mains. The included CCT controller allows color and intensity adjustment via the RF remote control.

Installation Instructions

1. **Preparation:** Ensure you have a clean and dry surface to install the LED strip.
2. **Cutting:** Cut the LED strip to the desired length every 25mm following the cut marks.
3. **Aluminum Profile:** Place the LED strip inside the aluminum profile for optimal heat dissipation.
4. **Connection:** Connect the LED strip to the MEANWELL 75W power supply.
5. **CCT Controller:** Connect the CCT controller and use the remote control to adjust the color temperature and intensity.
6. **Testing:** Turn on the LED strip and adjust the intensity and color as needed.

What is a COB LED Strip?

A COB LED strip refers to a strip of LED lights that uses Chip-On-Board (COB) technology. COB is a way of packaging

multiple LED chips together in a single module, creating a more compact and powerful light source.

In a COB LED strip, the individual LED chips are mounted directly onto a substrate, rather than using individual encapsulations as in traditional LEDs. This allows for more uniform light distribution and greater thermal efficiency, as heat is dissipated more effectively.

COB LED strips typically have a thinner design and higher light density compared to conventional LED strips. Additionally, their compact design makes installation easier in narrow or curved spaces. These strips are versatile and used in a wide range of applications, such as decorative lighting in homes, accent lighting in stores, automotive lighting, signage, and more.

Product gallery:

