

## 24V 14W/m Selectable CCT IP20 LED Strip 1300Lm - 5m roll

### Product codes:

Reference: SP608D14W



### Product features:

Power (W): 14  
Power source (V): 24V-DC  
Color temperature CCT: Graduable 3000K hasta 6000K  
LED: COB Flip chip  
Dimmable: Sí  
Brightness (Lm): 1300  
CRI: +90  
IP: IP20  
Luminous angle: 180°  
Measures (mm): 10x5000mm  
Operating temperature: -20°C ~ +55°C  
Energy efficiency 2021: A+  
Energy efficiency 2023: F  
Lifespan: 100.000h  
Certification: CE - RoHS  
Warranty: 3 años

### Product attributes:

Color temperature CCT (°K): Adjustable CCT from 2700K to 6000K

### Product description:

24V COB LED Strip Dimmable Selectable CCT 608 chips/m - 5 Meter Roll COB LED Strip, 24VDC, 14W/m, selectable CCT color temperature from 2700K to 6500K, in 5-meter rolls with cutting every 25mm.

The 24VDC COB LED strip with 14W/m consumption comes in 5-meter rolls 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 greater than 90, ensuring excellent color rendering. It allows cutting every 25mm and is dimmable. It includes 3M adhesive on the back.

#### Technical Specifications

- **Voltage:** 24VDC
- **Power:** 14W/m
- **LED Chips:** 608 chips/m
- **Brightness:** 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 6500K 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 regulated from 10% to 100%, providing total control over the lighting.

### Advantages of Installation in Aluminum Profiles

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

### Operation at 24VDC

The LED strip operates at 24VDC, requiring an external power supply and cannot be connected directly to the 230V mains. For CCT control, an external controller is needed to regulate color and intensity.

### Installation Instructions

1. **Preparation:** Ensure you have a clean, 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 a 24VDC power source.
5. **Testing:** Turn on the LED strip and adjust the intensity as needed.

### What is a COB LED Strip?

A COB LED strip refers to a strip of LED lights using Chip-On-Board (COB) technology. COB is a way of packaging multiple LED chips together into a single module, creating a more compact and powerful light source.

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

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

### Product gallery:

