

## DC24V RGB CCT COB LED Strip Light with Thicker Encapsulation Coating

**Model: FCOB-24V-RGB CCT-THICK**

- RGB+CCT, tunable white from 2800k to 6500k
- 840 LEDs / m , 4200 LEDs / 16.4ft
- Thicker Encapsulation Coating
- Every 35.7 mm / 1.4 inch can be cut
- IP20 / 67 / 68 optional
- Dotless and Continuous Illumination



## Description

Introducing this RGB CCT dotless COB LED strip tape light with a thicker encapsulated coating. Thicker protective coating tightly wraps around LEDs, helping to spread light more evenly, resulting in seamless lighting effects without light spots. At the same time, enhanced COB encapsulation can also better protect the chips inside, helps heat dissipation. RGB CCT COB LED strip has a total of 6 pin points, 4 Pin points on the surface and 2 pin points on the back, you can use wires or connectors to connect.

LED chips are closely arranged using chip on board technology, with a high density of 840 LEDs per meter, 4200 LEDs per reel/16.4ft. The width of this COB LED strip color change light is 12mm/ 0.47", and every 35.7mm/ 1.4" can be cut.

This new RGB CCT COB LED strip is capable of emitting thousands of colors as well as pure white light with adjustable color temperature ranging between 2800k warm white and 6500k cool white. It is actually a strong and multifunctional COB dotless LED strip, suitable for lighting projects with high aesthetic standards.

## Product Specific Specifications

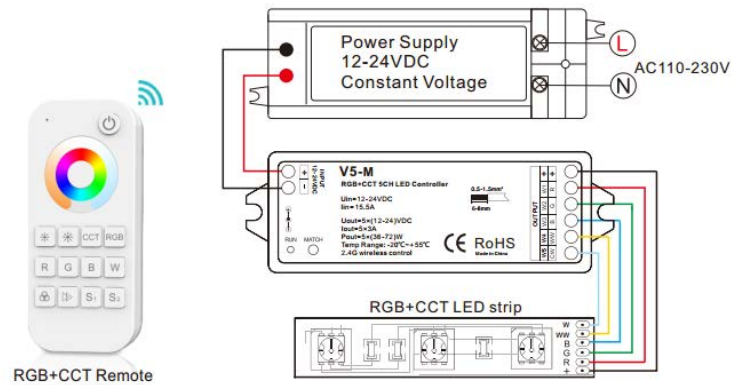
<b>Product Type:</b>	24 Volt RGB CCT COB LED Strip with Thicker Encapsulation Coating
<b>LED Chip:</b>	Epistar Chip
<b>Input Voltage:</b>	DC24V
<b>Power:</b>	20W/m, 90W/16.4ft
<b>Working Temperature:</b>	-20 °C ~ +45 °C
<b>Storage Temperature:</b>	-20 °C ~ +60 °C
<b>LED Color:</b>	RGB+Tunable White (2800K to 6500K)
<b>PCB Width:</b>	12mm/0.47" IP20 15mm/0.59" IP67/68
<b>LED Quantity:</b>	840LEDs/m, 4200 LEDs/16.4ft
<b>Waterproof Rating:</b>	IP20 / IP67 / IP68
<b>Cuttable:</b>	35.7mm/1.4"
<b>Lumen:</b>	2lm/LED
<b>6L _ ST W</b>	Yes
<b>Beam Angle:</b>	180°
<b>Strip Length:</b>	5m/16.4Ft

\*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.

# LED Strip Wiring

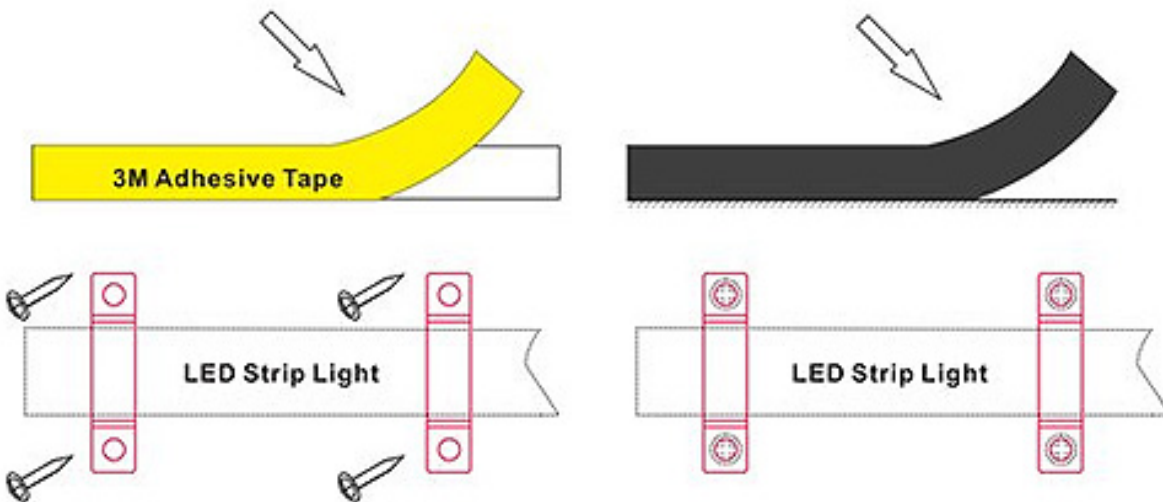
To wire an RGB CCT LED strip, you can start by connecting the "+" (positive) terminal of the LED strip to the positive output of your power supply. Then, connect the RGB (Red, Green, Blue) wires and the CCT (Cold White, Warm White) wires to the corresponding terminals on the LED controller (R, G, B, CW, WW). Make sure to match the color-coded wires to the correct terminals to ensure proper operation.

## Wiring diagram



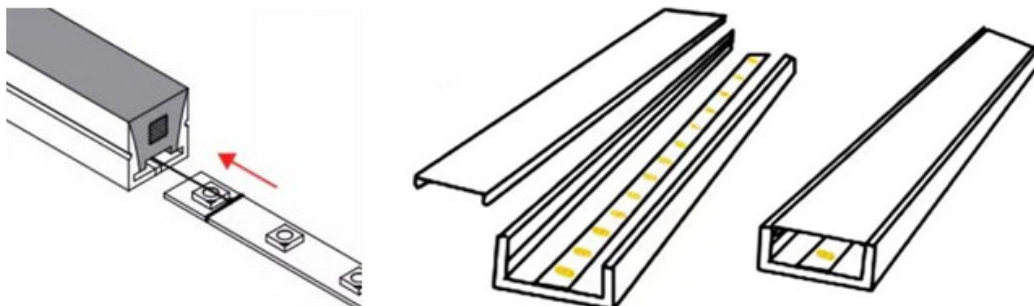
# LED Strip Installation

We provide a variety of LED strip light mounting methods to meet the needs of different users and use scenarios. IP20, IP65 strip light through the adhesive backing on the object, IP67 and IP68 outdoor strip light we provide adhesive backing and bracket fastening two ways.



# Optical accessories

To improve lighting effect and the appearance of light strip installation, you can use two supplementary materials or accessories, [LED neon covers](#) or [aluminum profiles](#). The light scattered by the silicone or PC material will become even and soft or even spotless.



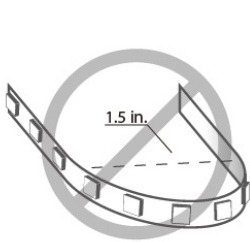
## Precautions

Do not bend led strip light to a diameter less than 1.5 inches;  
Do not fold or crease led strip light; Do not bend led strip light on a horizontal plane;  
Do not put excessive pressure on surface of strip light (e.g. glass/acrylic panes, etc);  
Do not cover strip light with any material except neon tube, aluminum profile, etc. optical accessories;  
Do not cut off or modify the strip light or attached AC cord that provides power to the strip light;  
Do not power strip light while attached to spool or tightly coiled;  
Please don't connect low voltage led strips directly to AC110 or AC220V line voltage, otherwise it will burn out the LEDs.

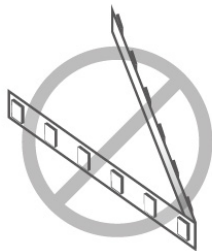
## Application Scenes

LED strip lights is a very flexible and versatile lighting solution for:

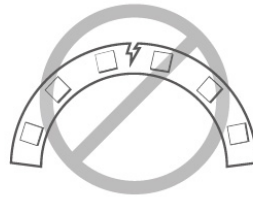
1. Home Lighting - LED strip can be installed in all corners of the home, such as under cabinets, staircase edges, TV backdrops, etc., to provide a soft background light and increase the coziness of your home.
2. Commercial Lighting - In shopping malls, hotels, restaurants and other commercial places, LED light strips can be used to highlight the display of goods and create a comfortable shopping and dining environment.
3. Landscape Lighting - LED strips can be used for outlining architectural silhouettes, lighting gardens and landscapes, as well as beautifying city streets to enhance the beauty of the urban nightscape.
4. Automotive decorative lighting - LED strips are also widely used in the automotive field, such as interior and exterior decorative lights, dashboard backlighting, etc., providing safer and personalized lighting.
5. Festive decoration - During festivals, LED strips can be used as decorative lights to add festive atmosphere.



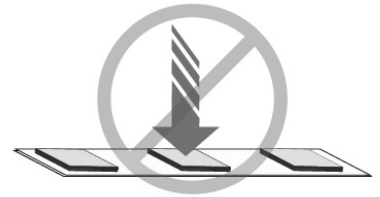
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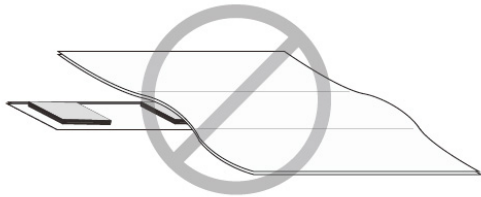
Do not fold or crease LED strip light.



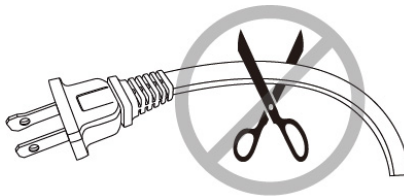
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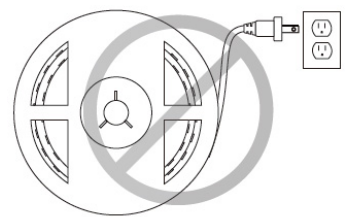
Do not put excessive pressure on surface of strip light (e.g. glass/acrylic panes etc.).



Do not cover strip light with any materials.



Do not cut off or modify the strip light or attached AC cord that provides power to the strip light.



Do not power strip light while attached to spool or tightly coiled.