



**12V 48led/m Dimmable 4in1 RGBW Color Changing LED Light Strip**

**Model : FSLRGBWS-5050X240**

- 16.4ft/roll
- RGB+W3000K, RGB+W4000K, RGB+W6000K
- Non-waterproof IP20
- Every 62.5mm / 2.46in can be cut
- 75W / 16.4ft Max
- 50,000+ hours



Description

The 12V dimmable RGBW LED light strip is a 12V 4in1 RGBW LED light strip that integrates high-brightness 5050 SMD LEDs, offering red, green, blue, and white light colors within a single LED. Designed for high brightness while maintaining low power consumption, this efficient daylight LED light strip features a total of 240 SMD5050 LEDs with a density of 48 lights per meter, with the entire 5m/16.4ft strip operating at only 60 watts.

The durable dimming LED light strip is highly flexible, allowing for 360° bending without damaging the FPCB board, and can be shaped to fit various applications such as advertising lighting, light boxes, and channel letter lighting. The irregular lighting LED light strip also boasts a high color rendering index (CRI) of 85+, ensuring accurate color representation and eye comfort. For installation, this dimmable LED light strip comes with 3M adhesive tape, making it easy to apply to various surfaces.

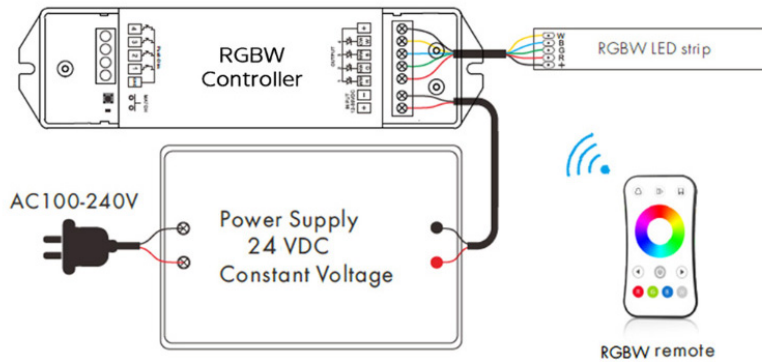
Product Specific Specifications

<b>LED Strip Type:</b>	SMD 5050 RGBW 240LEDs/16.4ft
<b>LED Chip:</b>	Epistar Chip
<b>Working Temperature:</b>	-4°F (-20°C) ~ 122°F (50°C)
<b>Storage Temperature:</b>	-40°F (-40°C) ~ 176°F (80°C)
<b>Light Color :</b>	RGB+W3000K, RGB+W4000K, RGB+W6000K
<b>Dimension:</b>	16.4ft/roll, every 3 PCS LED can be cut
<b>LED Quantity :</b>	48 LEDs per 1meter (3.28 ft)
<b>Lifespan:</b>	50,000+hours
<b>Strip Width:</b>	12mm (0.47in)
<b>Input Voltage(V):</b>	12 VDC
<b>Working Power:</b>	75W /16.4ft Max
<b>Lamp Luminous Flux:</b>	18-20Lumen 4800lm Max /16.4ft 293lm/feet 64lm/watt
<b>Wavelength NM(RGBY):</b>	2000-2500mcd
<b>Beam Pattern:</b>	120 degree
<b>CRI:</b>	95

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

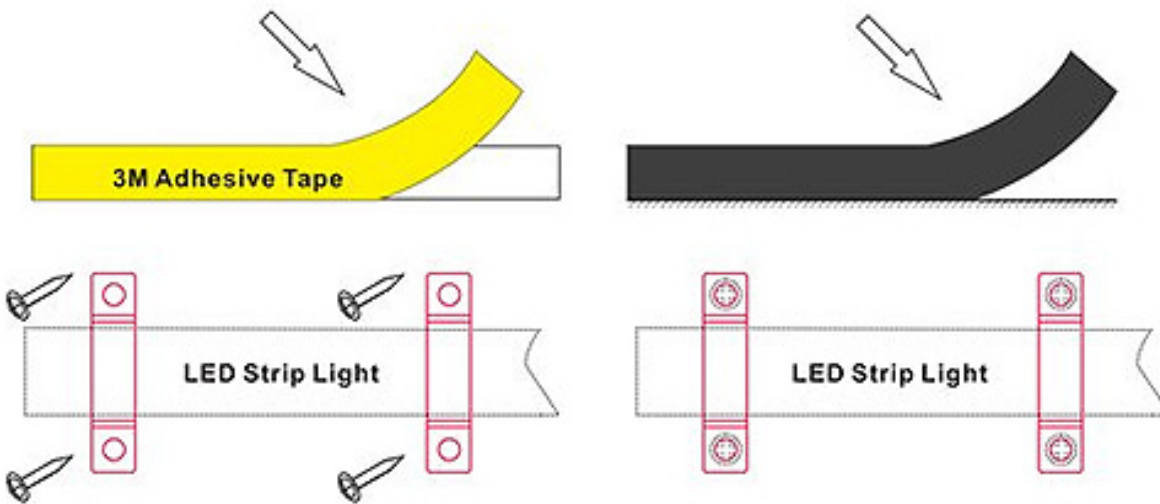
# LED Strip Wiring

1. Identify the positive and negative terminals; 2. Connect the power supply: Use the 12V adapter to connect the positive and negative terminals of the light strip; 3. Connect the controller: Connect the controller to the power supply and the light strip; 4. Test: Turn on the power to check whether the light strip works properly.



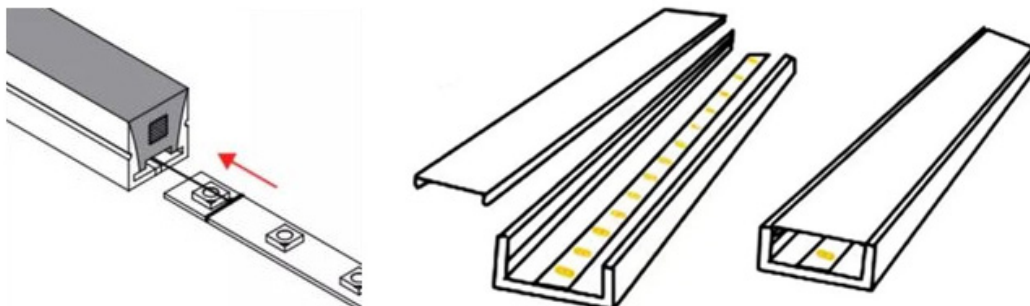
# LED Strip Installation

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.



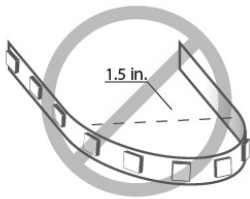
# Precautions

- 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.

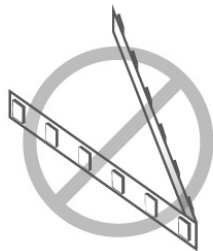
# Application Scenes

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

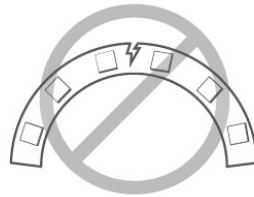
1. Home Lighting - LED strip can be installed in all corners of the home, such as under cabinets, staircase edges, TV backdrops, etc., to provide a soft background light and increase the coziness of your home.
2. Commercial Lighting - In shopping malls, hotels, restaurants and other commercial places, 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.



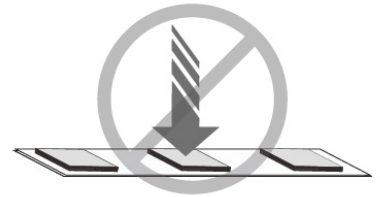
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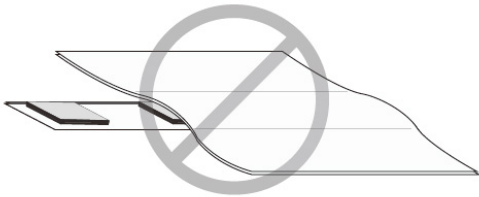
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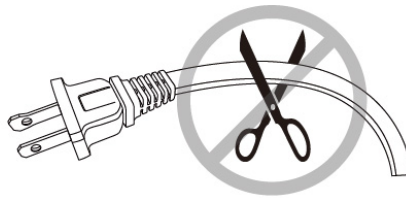
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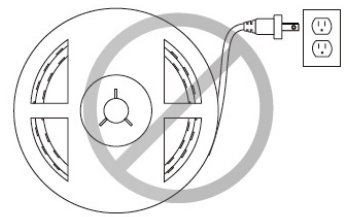
Do not put excessive pressure on surface of strip light (e.g. glass/acrylic panes etc.).



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.