

Product specification



**Ultra High Temperature and Heat Resistance LED strip
up to 100°C (212°F)**

Coloured LED strip (RGBW) (4in1 chip)

SMD5050 60LEDS/per Metre

Specialized LED strip Manufacturer

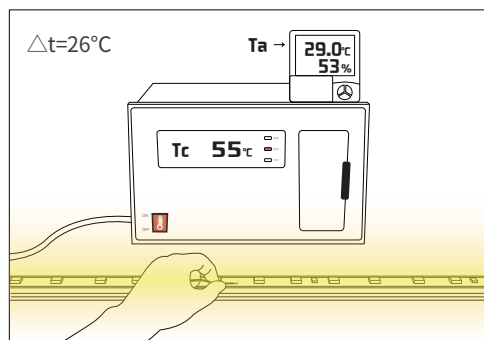
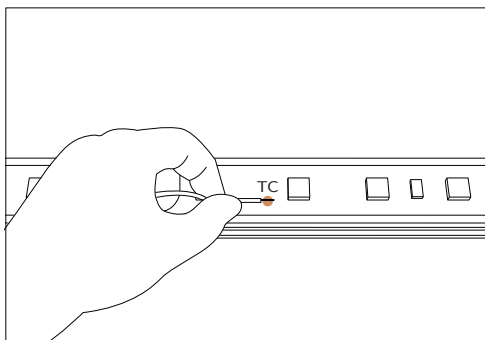
JL-IP67-HT-5050-14-60-10W-24V-RGBW

Application

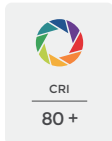
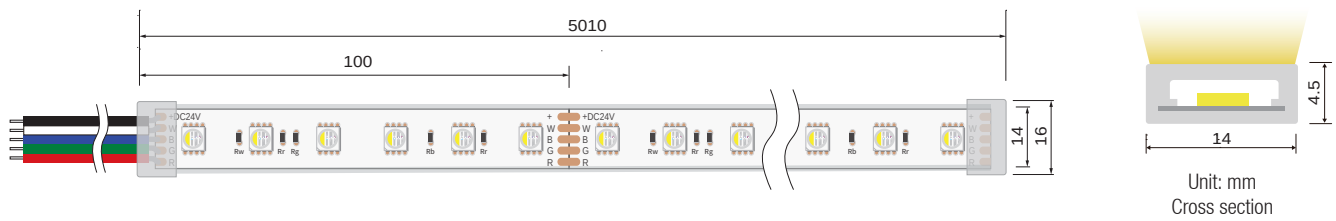


Product Introduction

- Using Lumileds 5050RGBW leds for excellent heat dissipation performance, L80B10 $\geq$ 60000H;
- The IP65 silicone tube integrated extrusion process has waterproof and moisture-proof properties to cope with high humidity environments, such as in sauna rooms, steam rooms, ensuring the reliability and safety of light strips in humid environments ;
- Using high-temperature resistant materials and design, it can work continuously in high-temperature environments without being damaged, suitable for bathrooms and saunas, without worrying about the light strip burning out due to high temperature;
- The flexible light board has a design that can be bent and cut, making it easy to install and adjust the length flexibly to adapt to different applications, sizes and shapes;
- Various light colors such as RGB, warm, neutral, and cold white are available, and can be designed according to different atmospheres to create a warm and soft, natural light sensation, and enhance the brightness of the space;
- Operating environment temperature -25~+100 °C;
- The working temperature rise of the light strip is low ($\leq 26^{\circ}\text{C}$ (4-colour fully lit state)), and it can still achieve a longer lifespan in high-temperature environments:
- When the power is 10W and the ambient temperature is below ($\leq$) 85 °C, the warranty period is 3 years, but if over 85°C and up to 100°C, the warranty is limited to 2 years.



Dimension structure



Basic Parameters

Model No JL-IP67-HT-5050-14-60-10W-24V-RGBW

Input Voltage 24VDC

LED Type 5050

LED QTY/M 60pcs

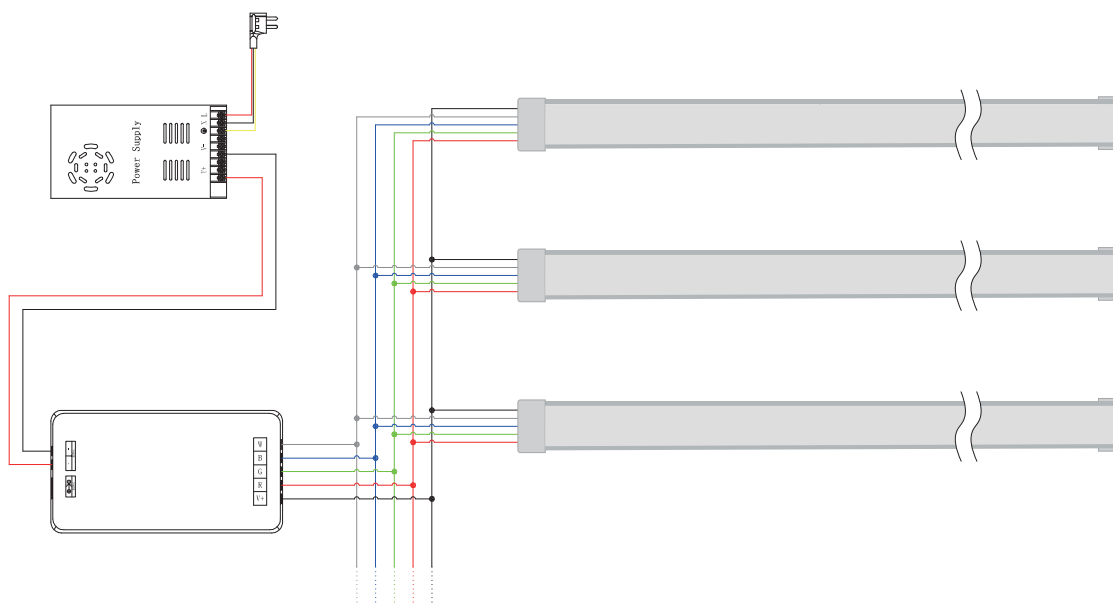
CRI ≥ 80

IP Rating IP67

Max.run length 5M

CCT(K)	LED QTY/M	CRI	SDCM	Voltage(V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit length (mm)	Max.run length (M)	CV/CC
Red	60leds 5050RGBW	/	/	DC24V	2.5W	85.5lm	34.2	100mm	5M	CV
Green		/	/	DC24V	2.5W	252.5lm	101	100mm	5M	CV
Blue		/	/	DC24V	2.5W	55.75lm	22.3	100mm	5M	CV
W(4000K)		≥ 80	≤ 5	DC24V	2.5W	231.5lm	92.6	100mm	5M	CV
RGBW		/	/	DC24V	10W	628lm	62.8	100mm	5M	CV

Connection Diagram

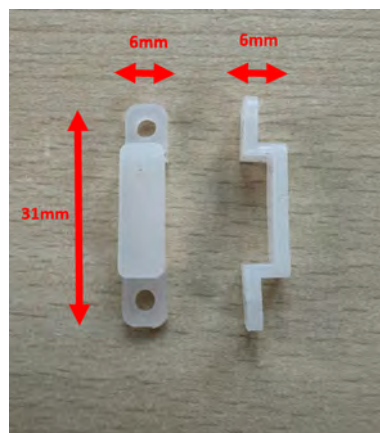


Fixing information

This strip is used in environments where the temperature can reach up to 100°C (212°F) so it can only be fixed using Fixing Clips and Screws. There is no adhesive on this strip, it would come off in the heat. The Fixing Clips are also Heat Resistant to 100°C (212°F).

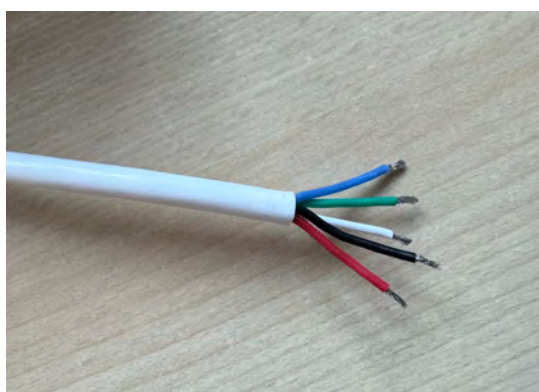


The clips are
31mm long
6mm wide
6mm depth
The screws are 10mm long.



Cable information

The cabling and end caps which are attached to the LED strip are also Heat Resistant to 100°C (212°F).



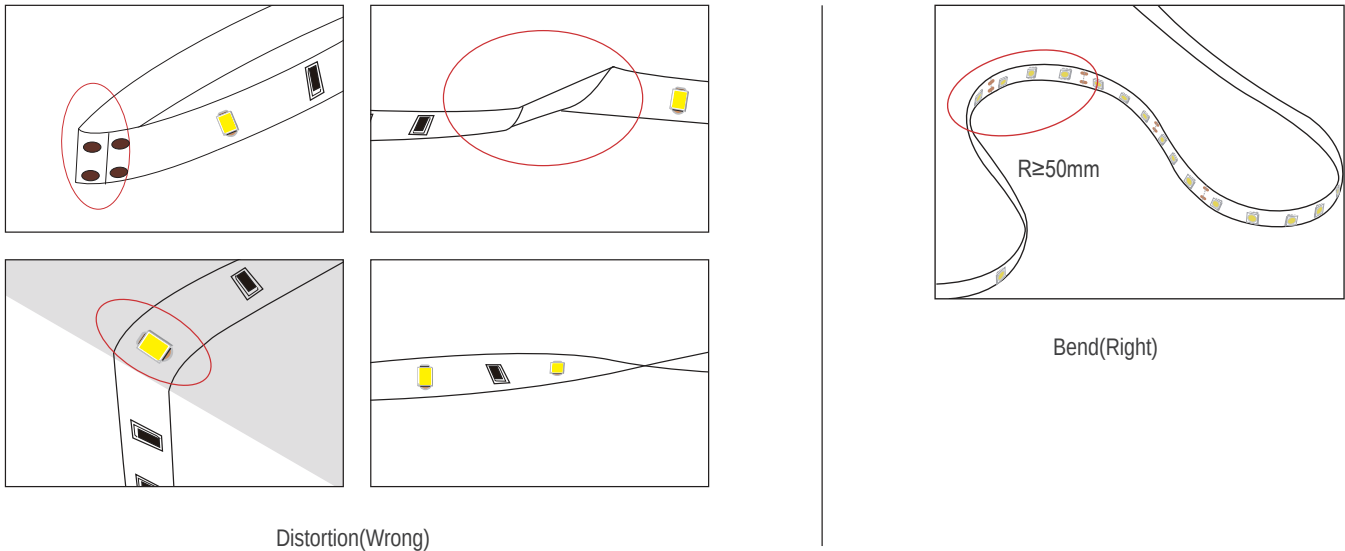
Accessories

For OEM and custom projects the strip can be cut and resealed using an end cap. We supply these as shown and they must be glued to make them watertight and heat proof once again.



Cautions

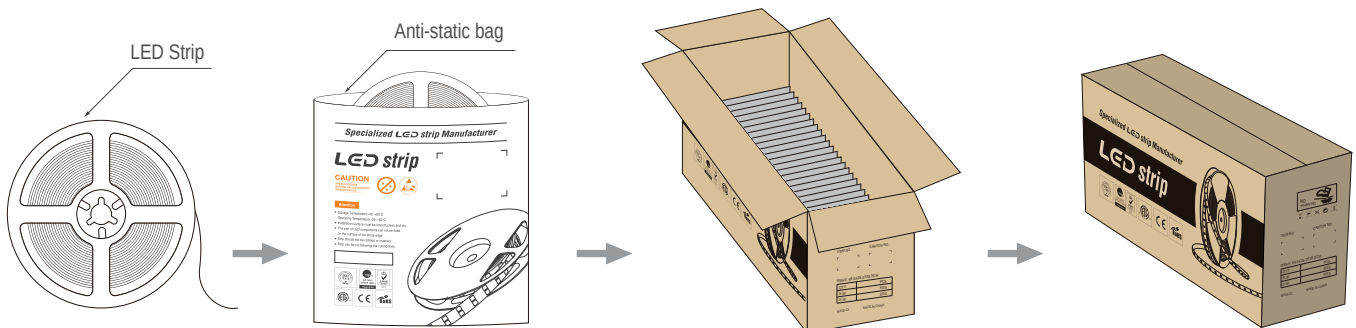
When install the led strip,please note the installation technique.The led strip can be bent,but not distorted,as shown below.



 LED strips are low voltage products,you must use the power supply(transformer).Please don't connect the led strip directly to the AC 110v or AC 220v,otherwise it will burn out the LED strips.

 Clean up the installation surface,it will ensure the reliability of the adhesive,The electrical connection process must be operated by a professional person.

Package





LED Heat Resistant Strip

For use in applications where the temperature range is
-25~+100 °C (212°F)

▼ Application Examples to show it is fit for purpose

▼ Saunas, Baths, Bathrooms and Pools



▼ Food Display areas and Cabinets



▼ Fireplaces and Stoves (without flames)



▼ Commercial areas, Engine rooms, Scientific Laboratories, Heat Chambers etc.

