



5050 RGB+W Strip

-Single Rows

RGB+W/WW

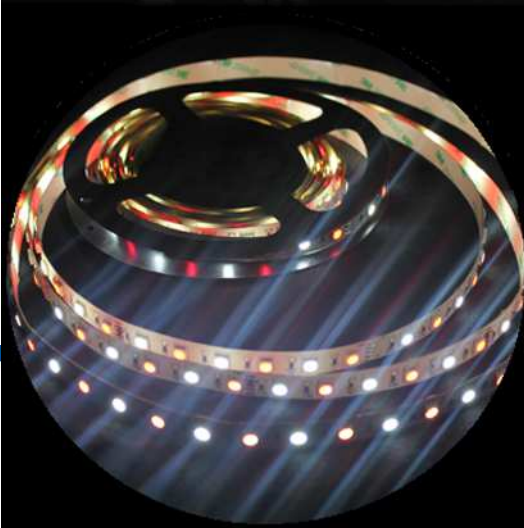
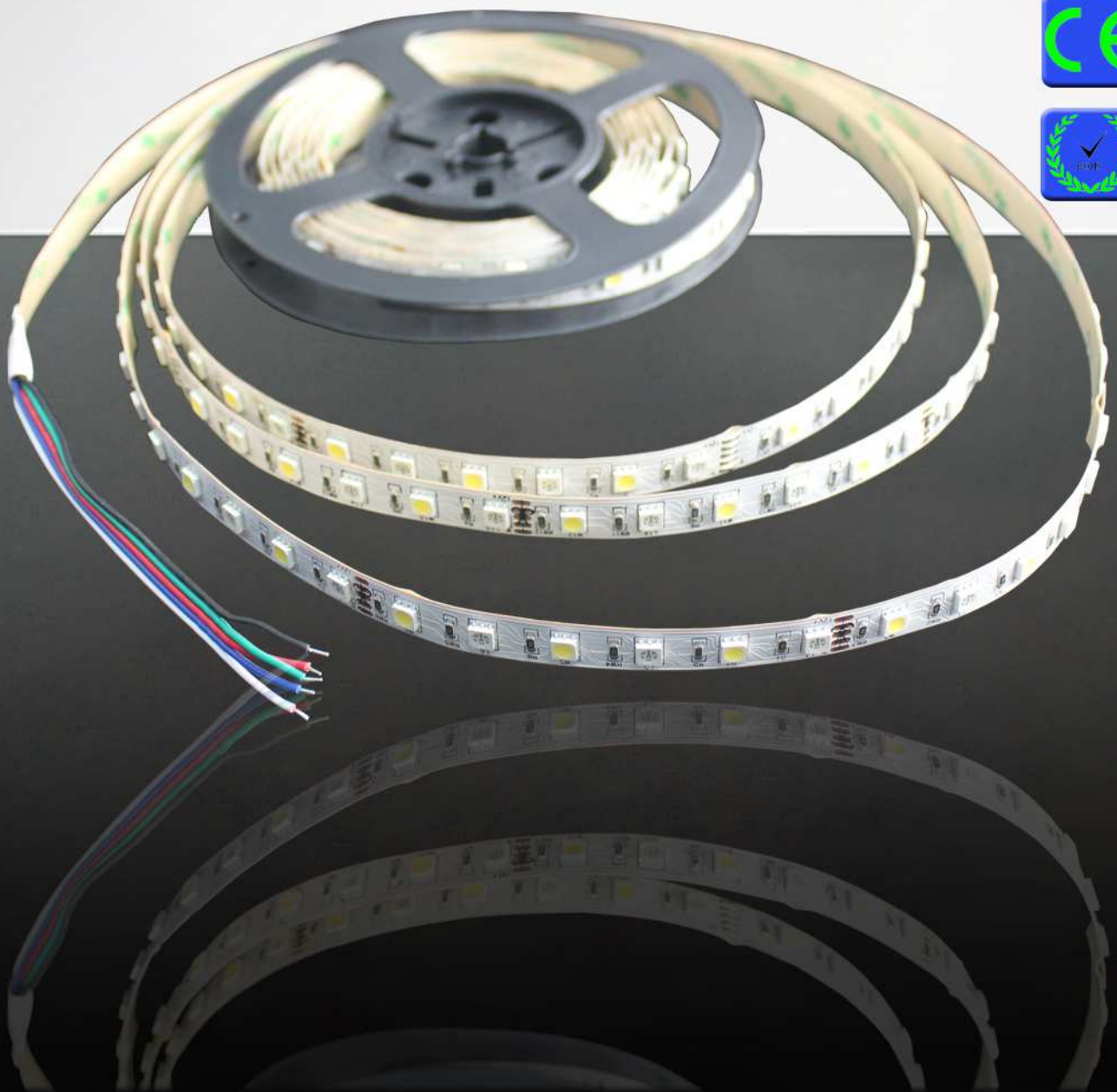
EPISTAR

5050SMD

3 Year Warranty



IP 20





※ Feature

Great light source

GLU 5050 RGBW SMD LED strip light, top quality Epistar chip 5050 SMD LEDs are used as light sources, with high lumen LEDs 20-22lm for each LEDs which make the whole strip with high brightness.

Double-faced soft FPC

GLU LED Strip light use high tech. double-faced FPC soft PCB to ensure the good electrical conductivity and lower voltage drop, however for many other suppliers they use single faced soft PCB.

Flexible in length suitable for different applications

GLU LED strip light, the standard length is 5 meters/reel, but we can offer different length strip, such as 1meter, 2meters, 3meters, 4meters etc. suitable for different applications.

Different colors for choice for different applications

GLU RGBW LED strip, we offer standard RGB+white, RGB+Warm white, RGB+Yellow etc. and some other special colors as special offer.

Different led quantity for different lumen requirement

GLU RGBW LED strip, we offer 60LED/m(30RGB+30White), and 96LED/m(48RGB+48White) for choice for different lumen requirement.

High CRI available for white color

We offer strip for white with CRI 75, CIR 80 and CRI 90 for choice for different applications.

Special Design

For our 5050 RGB+W strip, we offer DC12V with 60LED/m with 12mm width PCB and DC24V with 96LED/m with 13.5mm width PCB, which can be controlled by 4 channels controller to achieve different mixed color to achieve different effect.

Environmental friendly

GLU LED strips are complied with CE and RoHS standard without harmful substance, such as lead or Mercury etc.

3 Years warranty

GLU LED strips are use good materials and super light sources with low lumens depreciation, which make the strips with long life-span over 80, 000 hours, and we offer 3 years warranty.

※ Technique Data

Absolute Maximum Rating at TA=25°C

Parameter	Symbol	Absolute Maximum Rating		Unit
		FBN-RGBW-60	FBN-RGBW-96	
Forward Current	IF	1200	950	mA
Forward Voltage	VF	DC12V	DC24V	V
Electrostatic discharge	ESD	400		V
Operating Temperature	Topr	-25~+60		°C
Storage Temperature	Tstg	-40~+80		°C

Electrical / Optical Characteristics at TA=25°C

Part No.	Color	CCT/WLD	Lumen Flux	Working Voltage	Current	Power	View Angle
FBN-RGBW-60	Red	620-625nm	135lm	12VDC	1.2A	14.4W	120°
	Green	520-525nm	160lm				
	Blue	465-470nm	105lm				
	White/ Warm white	6000-7000K/ 2800-3200K	600lm				
FBN-RGBW-96	Red	620-625nm	210lm	24VDC	0.95A	23W	120°
	Green	520-525nm	250lm				
	Blue	465-470nm	165lm				
	White/ Warm white	6000-7000K/ 2800-3200K	960lm				

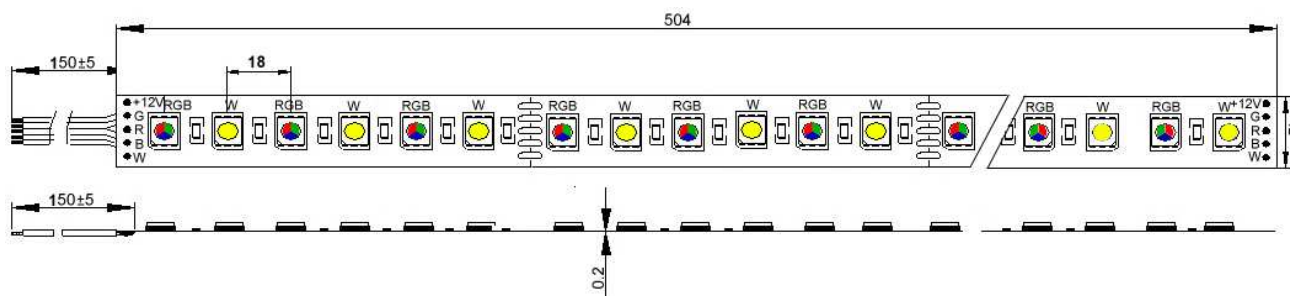
Note: 1. The lumen flux tolerance is $\pm 5\%$;

2. Test Temperature (Ambient temperature: TA=25°C)

3. All the technical parameters are based on per meter with max value.

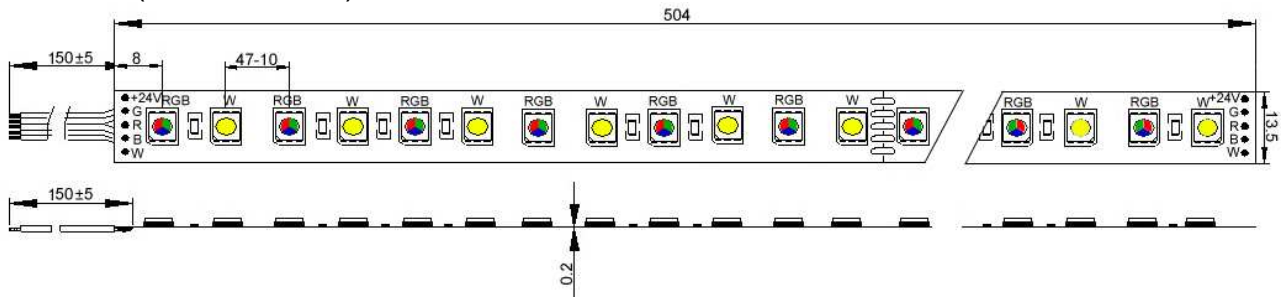
※ Dimension

60LED/m(30RGB+30 W)





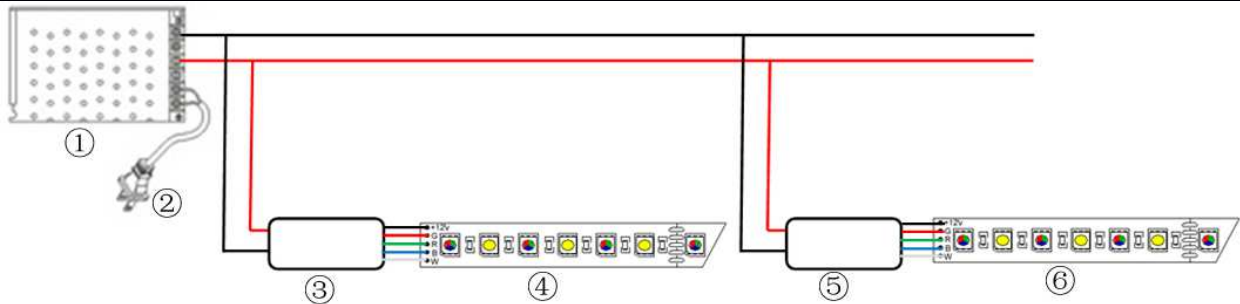
96LED/m(48RGB+48 W)



Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.5\text{mm}$ unless otherwise noted.

※ Connecting Diagram



- ① LED Power Supply ② Power Cord
- ③ ⑤ RGBW Controller
- ④ ⑥ RGBW Strip Black +

Note:

1. Please connect strips before power on;
2. Parallel connection is strongly suggested.

※ Application

For Flexible Strips, they can be used as edge light, cove light, furniture light, sign light, backlighting for AdWords, lighting box etc., and widely used as decorative lighting for building outline, sidestep, exhibition stand, hotel, KTV, club etc. And also DIY Light for household use.



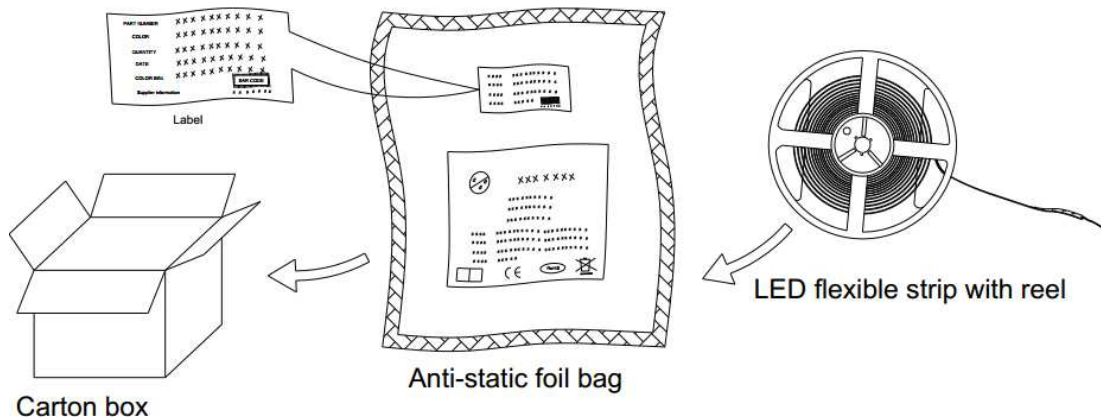


※ Safety Information

- The SMD light ribbon itself and all its components may not be mechanically stressed. Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED light ribbon (with power supplies) needs to be comply with all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations. Correct electrical polarity needs to be observed. Wrong polarity may destroy the ribbon.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the ribbon.
- Please ensure that the power supply is of adequate power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical insulated points between ribbon and the mounting surface.
- Please pay attention to standard ESD precautions when installing the ribbon.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.



※ Package





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