

PRODUCT DATA SHEET



Multi-Color Series

RGBW 5050 96LEDs/m 30.6W/m



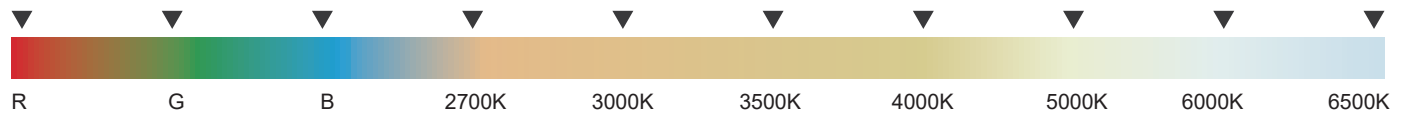
RS-RGBW5050P-24V-96D-12-20



Product Features

1. Four channel flexible led strip with RGB+W/NW/CW, 4 colors in 1 chip;
2. Standard is CRI80 for white color, CRI 90 is also available;
3. Compatible with most of RGBW controllers in the markets;
4. 24V DC input, less heat and voltage drop than 12V DC.
5. Warranty: 2-3 years.

CCT Option



Lighting Effect

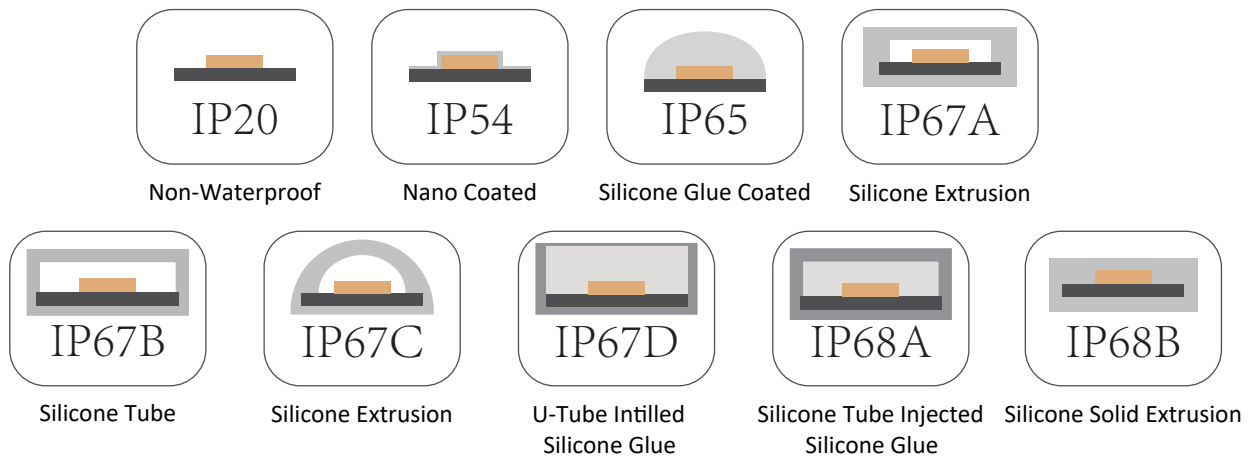


Lighting Effect

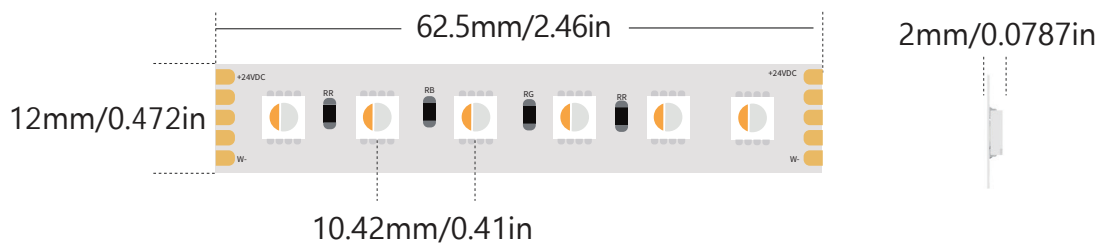


Lighting Effect

IP Rating Option



Dimension mm/inch



Length/Reel	Width	Height	LED Spacing	Min. Cutting ✂
5000mm/196.85in	12mm/0.472in	2mm/0.0787in	10.42mm/0.41in	Every 62.5mm/2.46in (6 LEDs)

Note:

LED strip length tolerance is $\pm 20\text{mm}$.
Width tolerance is $\pm 0.5\text{mm}$.

Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
RS-RGBW5050P-24V-96D-12-20	24V	30.6W/m	1.275A/m	96LEDs/M	80+
		9.33W/ft	0.389A/ft	≈29LEDs/ft	

CCT (°K)	Luminous Efficiency	lumen	
RGBW (2700K)	54lm/W	1652lm/m	503lm/ft
RGBW (3000K)	54lm/W	1652lm/m	503lm/ft
RGBW (4000K)	60lm/W	1836lm/m	559lm/ft
RGBW (6000K)	60lm/W	1836lm/m	559lm/ft

The data base on IP20 non-waterproof.
The Lumen output value tolerance $\pm 5\%$ due to testing way.
The CCT will be $\pm 200K$ tolerance.

LED Strip World



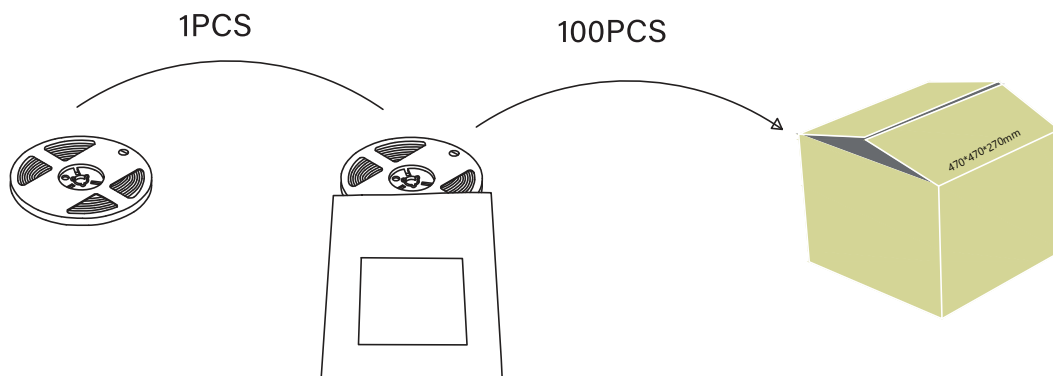
Absolute Maximum Ratings

Parameter	Symbol	Value
Thermal Measurement Point	T _c	80°C/176°F
Operating Temperature	T _{opr}	<80°C/<176°F
Storage Temperature	T _s	-20~+60°C/-68~140°F
Number of FPC Connection		

Wiring Diagram Application

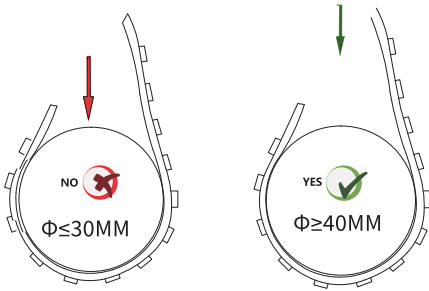


Packaging

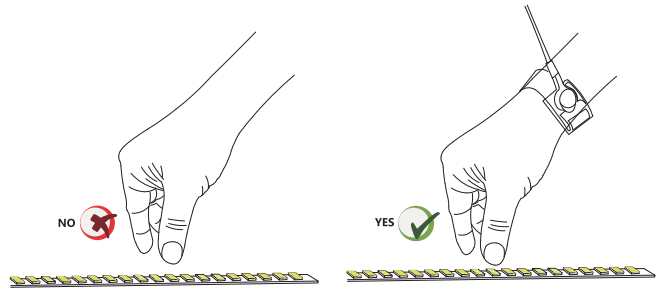


LED Strip World

Cautions



<50mm diameter of wrapped object prohibited



Pls wear the electrostatics ring for avoid ESD

1. Do not install the led strip in environment where excessive heat may occur.

✓ Safety & Disclosures

2. Do not extend beyond the recommended maximum run length.
3. Only use copper wiring. Use wires rated for at least 176°F(80°C) and certified for use with external connection of electrical equipment.
4. Do not install IP20 LED strip products in outdoor / wet location environments.
5. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. Improper wire selection and installation could overheat wires, and cause fire.
7. Do not connect directly to high voltage or AC power.
8. Installation must be in accordance with local and national electrical code regulations.
9. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.

