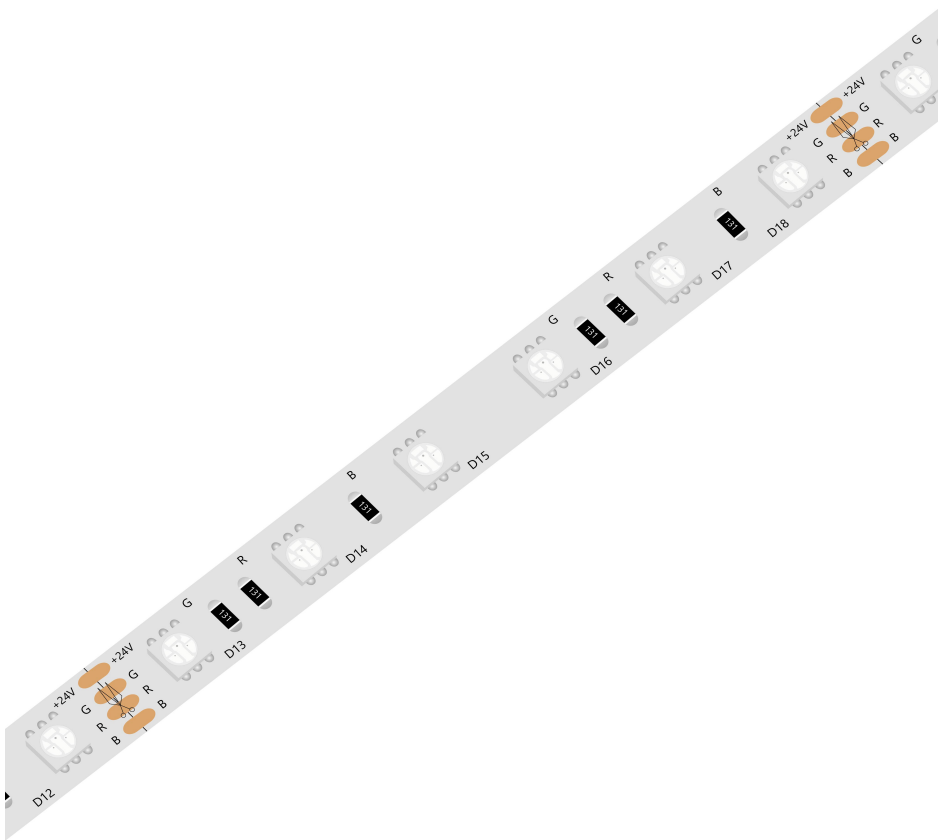


PRODUCT DATA SHEET



Multi-Color Series

RGB 5050 120LEDs/m 20W/m



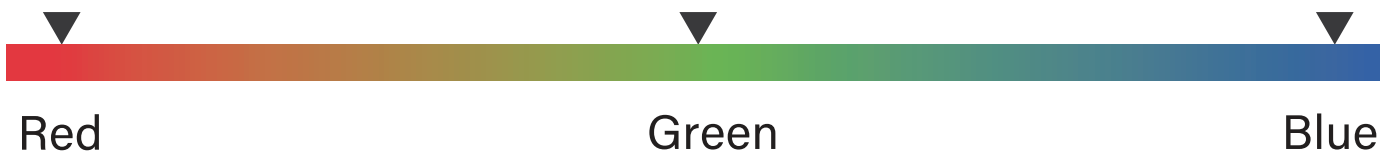
RS-RGB5050-24V-120D-12-20



Product Features

1. 5050 RGB LED as light source, stable and high brightness.
2. Compatible with most of RGB controllers in the markets.
3. 12V or 24V low voltage input for human safety.
4. Ideal for office, residential, retail and industry lighting.
5. Warranty: 2-3 years.

Color



Lighting Effect



Lighting Effect



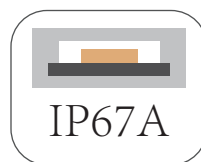
Non-Waterproof



Nano Coated



Silicone Glue Coated



Silicone Extrusion



Silicone Tube



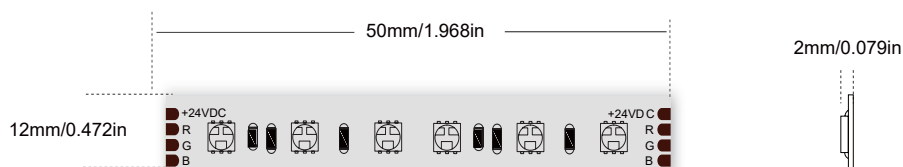
Silicone Extrusion



U-Tube Intilled
Silicone Glue

Silicone Tube Injected
Silicone Glue


Silicone Solid Extrusion

Dimension mm/inch



Length/Reel	Width	Height	LED Spacing	Min. Cutting 
5000mm/196.85in	12mm/0.472in	2mm/0.079in	8.33mm/0.328in	Every 50mm/1.968in (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
	DC24V	20W/m	0.833A/m	120LEDs/M	/
		6.09W/ft	0.254A/ft	≈36LEDs/ft	

CCT (°K)	Luminous Efficiency	lumen	
RGB	45lm/W	900lm/m	274lm/ft

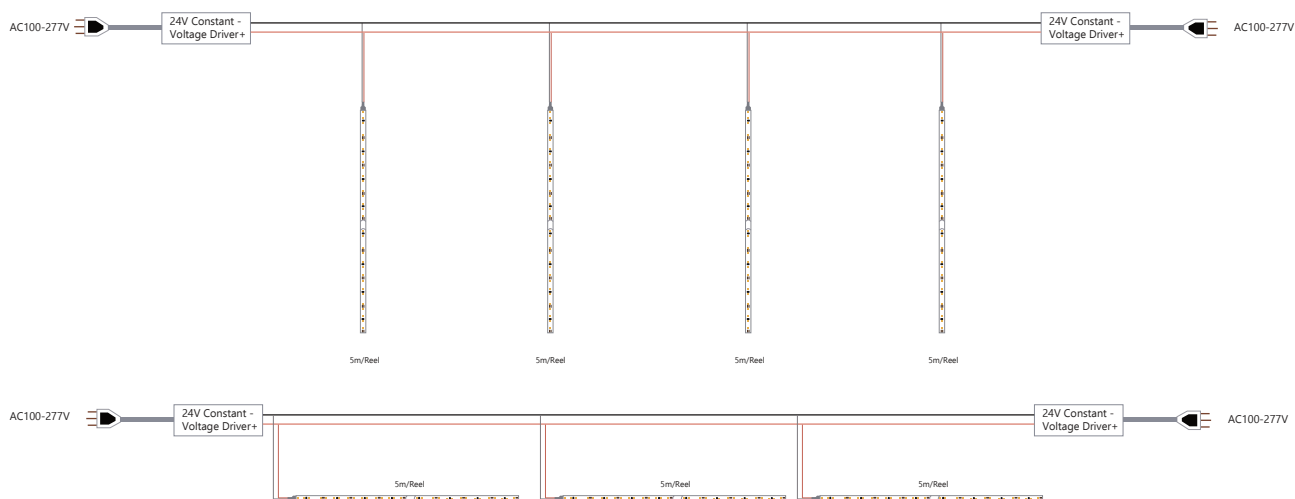
Note:

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

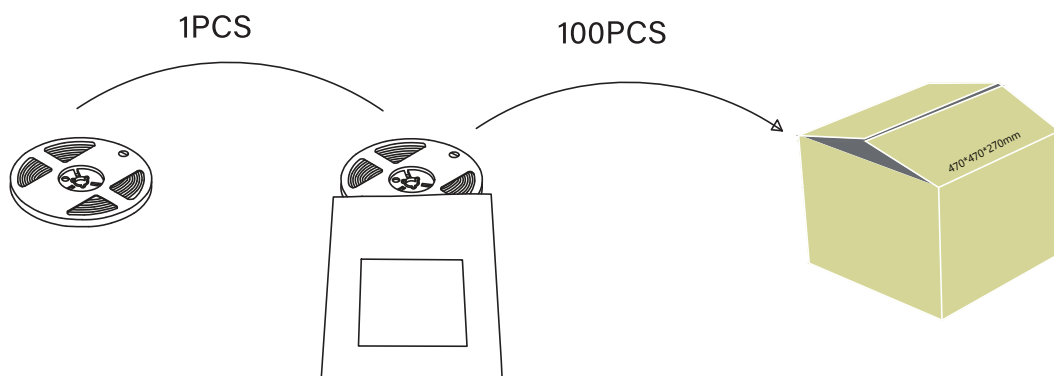
Absolute Maximum Ratings

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		

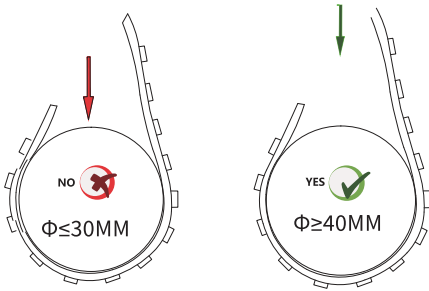
Wiring Diagram Application



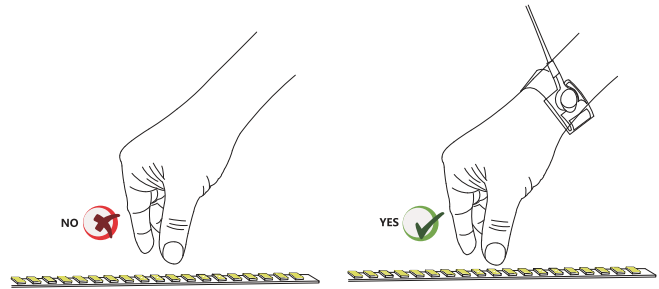
Packaging



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.