

PRODUCT DATA SHEET



Digital Series

5050RGBW 84LEDs/m 22W/m
(External IC FW1834; 14 pixels/m)



RS-SPI5050RGBWOD-24V-84D-12W-20-5M-FW1834



Product Features

1. Addressable SPI digital led strip light.
2. Applying 5050 RGBW LEDs, with external FW1834 IC to achieve addressable.
3. Suitable for advertising, hotel, bar, KTV, bridges, walls and other interior & exterior lighting project.
4. 2 years warranty.

CCT Option



Lighting Effect



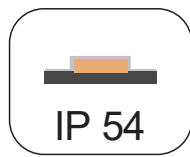
Lighting Effect



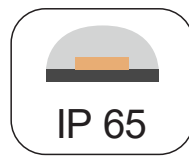
IP Rating Option



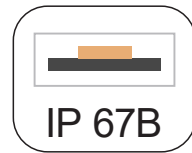
Non-Waterproof



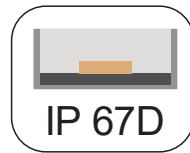
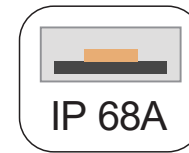
Nano Coated



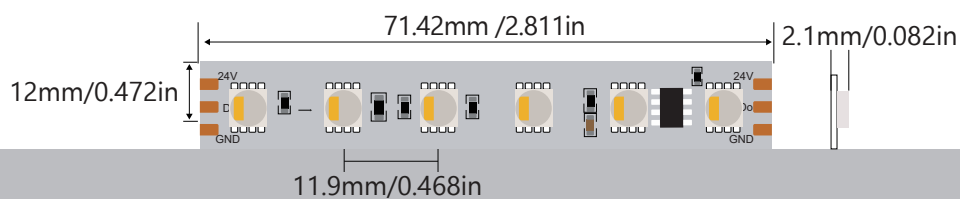
Silicone Glue Coated




Silicone Tube


U-Tube Instilled
Silicone Glue

Silicone Tube Injected
Silicone Glue

Dimension mm/inch



Length/Reel	Width	Height	LED Spacing	Min. Cutting 
5000mm/196.85in	12mm/0.472in	2.1mm/0.082in	11.9mm/0.468in	Every 71.42mm /2.811in (6 LEDs)

Note:

LED strip length tolerance is $\pm 10\%$ based on IP20 & IP54.



Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
RS-SPI5050RGBWOD-24V-84D-12W-20-5M-FW1834	24V	22W/m	0.917A/m	84LEDs/M	80+
		6.71W/ft	0.28A/ft	≈26LEDs/ft	

CCT (°K)	Luminous Efficiency	Lumen	
RGBW(6000K)	42 lm/W	924 lm/m	282 lm/ft

Note:

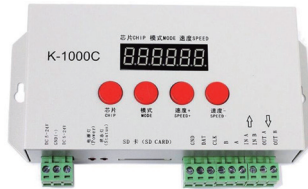
The data base on IP20 non-waterproof.
The Lumen output value tolerance $\pm 5\%$ due to testing way.
The CCT will be $\pm 5\%$ tolerance.



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		

Controller Options



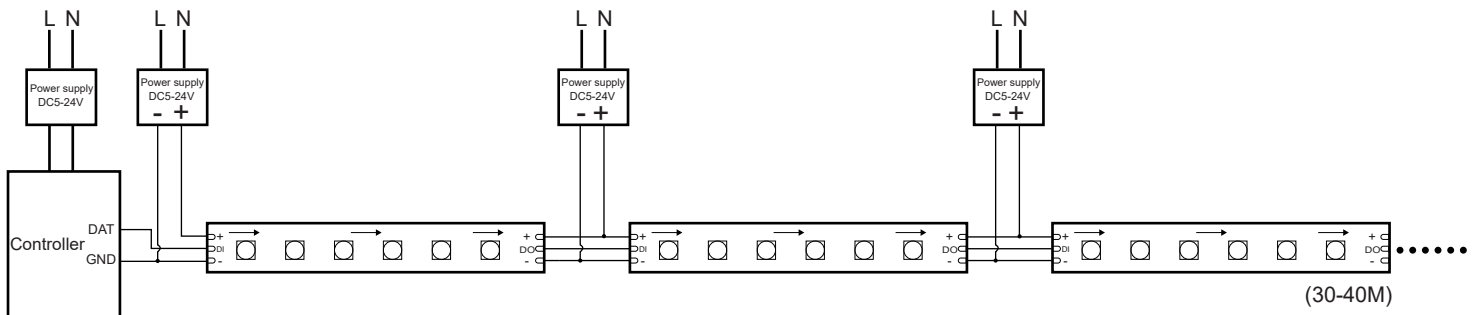
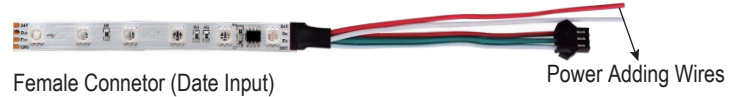
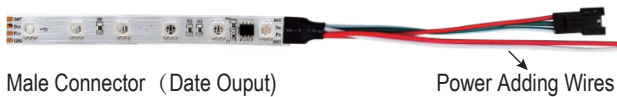
RS-K-1000C

(The power of LED strip is based on the test result of this kind)

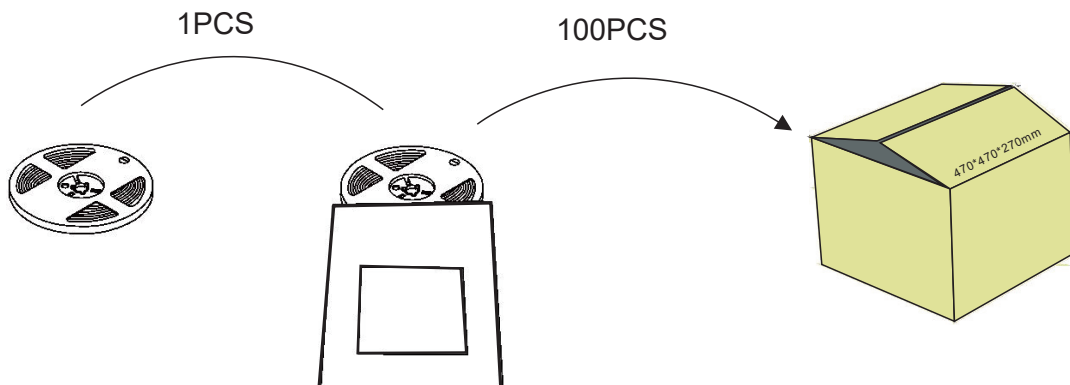


RS-SC

Wiring Diagram Application

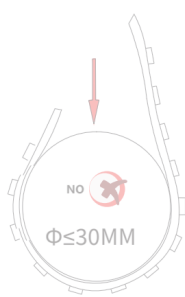


Packaging

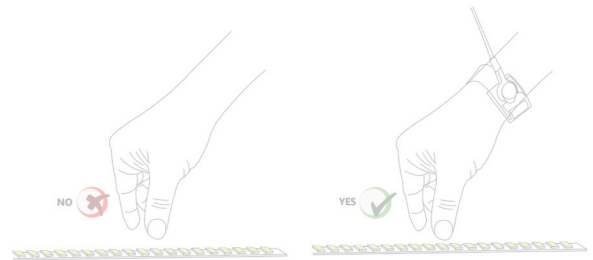




Cautions



<50mm diameter of wrapped object prohibited



Pls wear the electrostatics ring for avoid ESD



Safety & Disclosures

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