

## PRODUCT DATA SHEET



Digital Series SPI

5050RGB 60LEDs/m 8.8W/m S shape



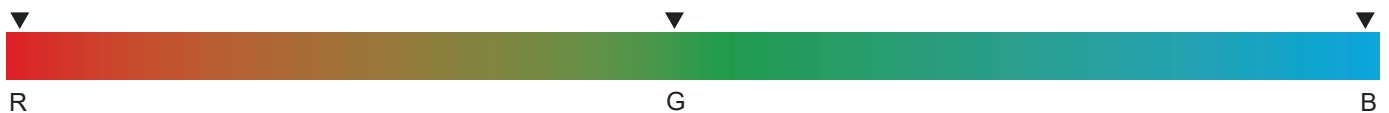
RS-FW1903P-5050RGB-24V-60D-12-20



## Product Features

1. ➤ Auto-addressable signal SPI led strip light.
2. ➤ FW1903P LED strip is a 4-channel led strip with built-in IC, operated by dedicated LED controllers.
3. ➤ One LED as one individually adjustable pixel Signal break-point continuous transmission, a failure of any pixel does not affect the transmission of signal and the total emitting effect.
4. ➤ Suitable for advertising, hotel, bar, KTV, bridges, walls and other interior & exterior lighting project.
5. ➤ 3 years warranty.

## CCT Option



Lighting Effect

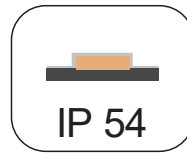


Lighting Effect

## IP Rating Option

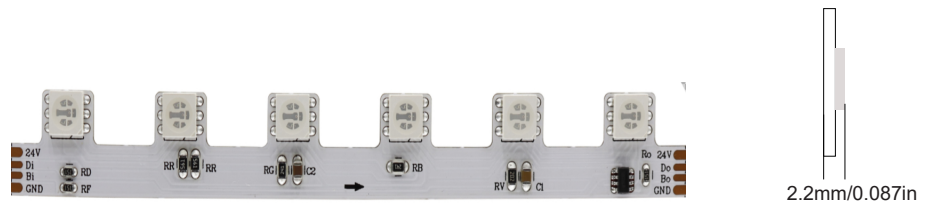



Non-Waterproof



Nano Coated

## Dimension mm/inch



Length/Reel	Width	Height	LED Spacing	Min. Cutting 
5000mm/196.85in	12mm/0.4724in	2.2mm/0.0866in	16.66mm/0.656in	Every 100mm /3.937in (6LEDs)

### Note:

LED strip length tolerance is + -0.2%mm.

Width tolerance is + -0.2%mm.

## Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
RS-FW1903P-5050RGB-24V-60D-12-20	24V	8.8W/m	0.366A/m	60LEDs/M	\
		2.68W/ft	0.111A/ft	≈18LEDs/ft	

CCT (°K)	Luminous Efficiency	Lumen	
RGB	28 lm/W	246 lm/m	75lm/ft

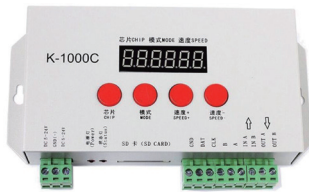
## Note:

The data base on IP20 non-waterproof.  
 The Lumen output value tolerance + -5% due to testing way.  
 The CCT will be + -100k tolerance.

## Absolute Maximum Ratings

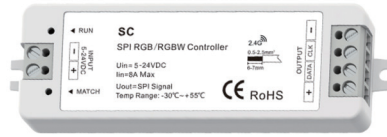
Parameter	Symbol	Value
Thermal Measurement Point	T <sub>c</sub>	80°C/176°F
Operating Temperature	T <sub>opr</sub>	<80°C/<176°F
Storage Temperature	T <sub>s</sub>	-20~+60°C/-68~140°F
Number of FPC Connection		

## Controller Options

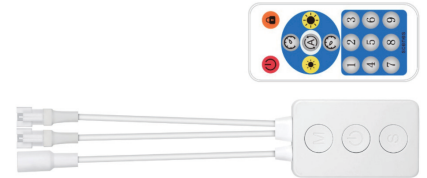


RS-K-1000C

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

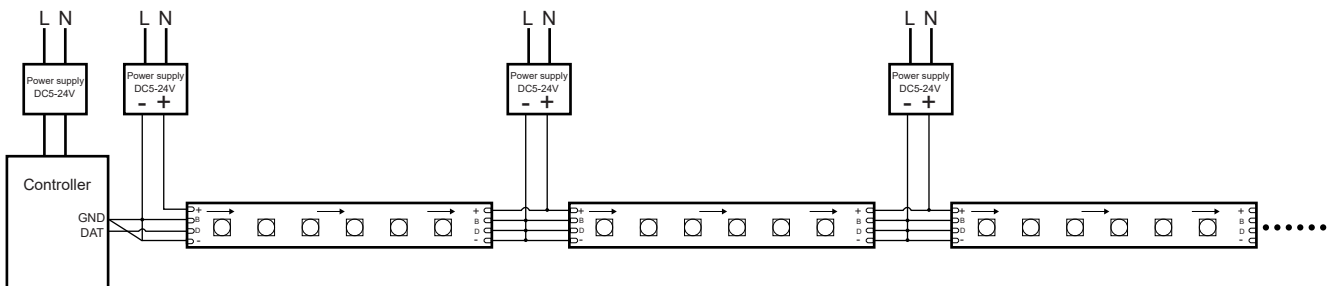
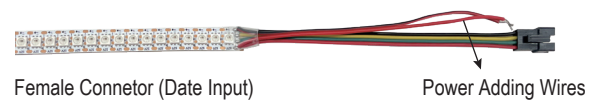
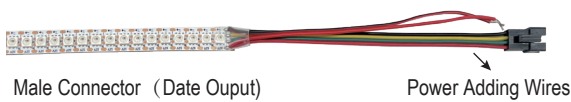


RS-SC

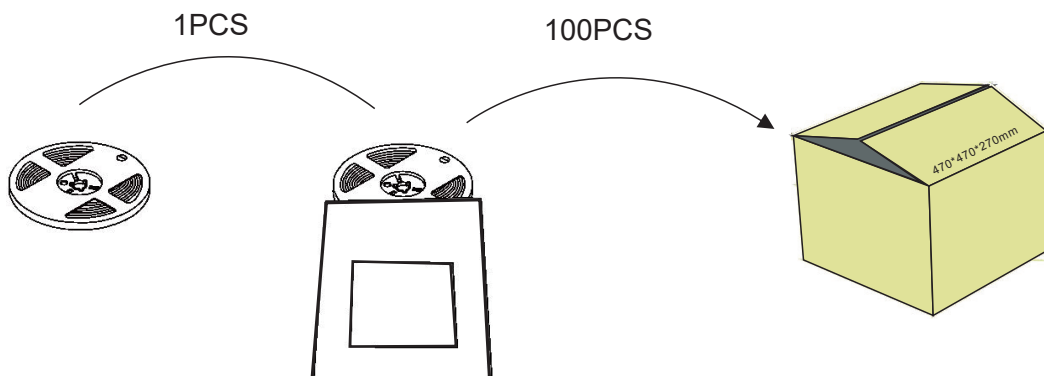


RS-SP601E

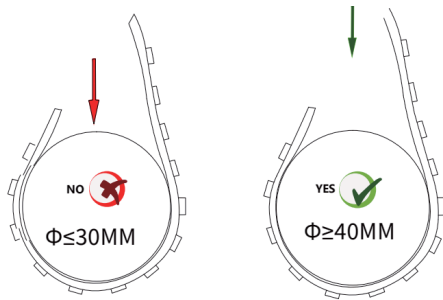
## Wiring Diagram Application



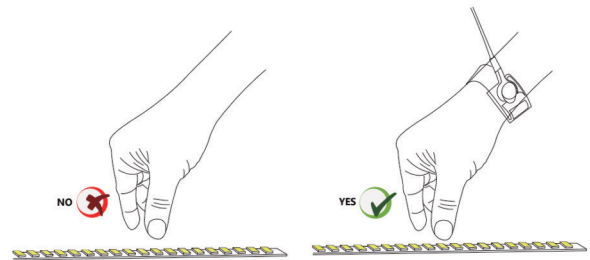
## Packaging



## 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 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