PRODUCT DATA SHEET

DIGITAL SERIES

SPI 5050 60LEDs/m 22W/m **(**FW1906**)**

External IC, 10 pixels/m

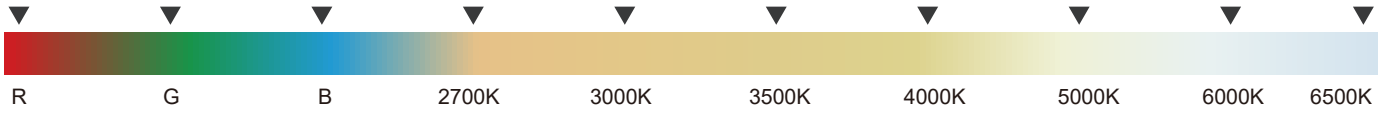
SPI | FW 1906 | RGB WW | 10 pixels/m | 24VDC | PCB 10MM | 5M REEL

RS-SPI5050RGBWW-24V-60D-10W-20-FW1906

Product Features

1. SPI digital led strip light.
2. With External IC FW1906, which is a 5-channel IC that includes an intelligent digital port data batch and a signal reshaping amplification drive circuit.
3. Suitable for advertising, hotel, bar, KTV, bridges, walls and other interior & exterior lighting project.
4. Warranty: 2 years.

CCT Option



Lighting Effect

Lighting Effect

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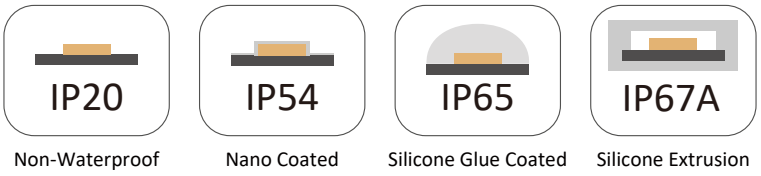
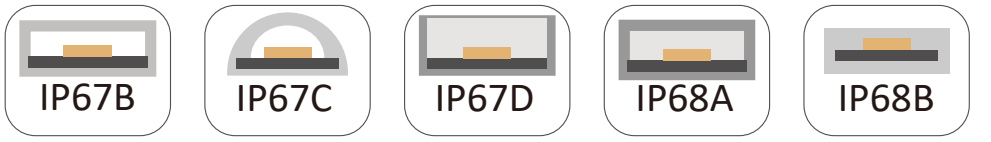
IP Rating Option

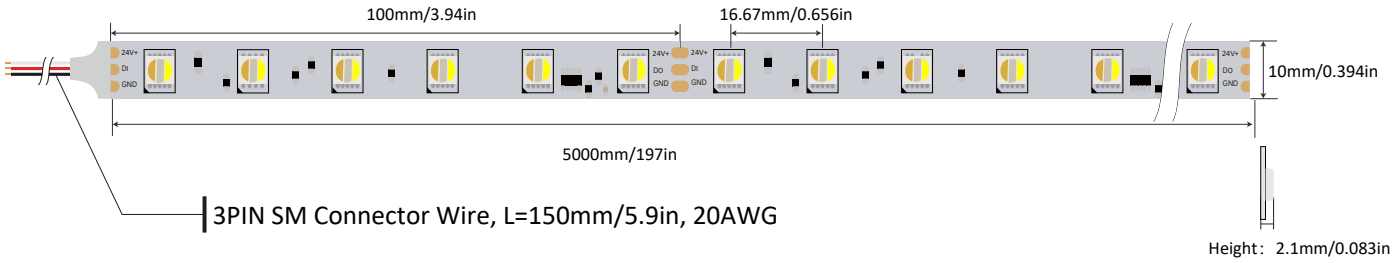


Non-Waterproof | Nano Coated | Silicone Glue Coated | Silicone Extrusion



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/197in	10mm/0.394in	2.1mm/0.083in	16.67mm/0.656in	Every 100mm/3.94in (6LEDs)

Note:

Led strip length tolerance is ±10MM based on 5M/roll, IP20 & IP54.

PRODUCT DATA SHEET

Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
RS-SPI5050RGBWW-24V-60D-10W-20-FW1906	24V	22W/m	0.917A/m	60LED/m	80+
		6.71W/ft	0.28A/ft	≈18LEDs/ft	

CCT (°K)	Power	Input Current	Luminous Efficiency	lumen	Maximum Length
Red	5W/m(1.52W/ft)	0.208A/m(0.063A/ft)	20lm/W	100lm/M(30lm/ft)	5M(16.4ft)
Green	5W/m(1.52W/ft)	0.208A/m(0.063A/ft)	60lm/W	300lm/M(91lm/ft)	5M(16.4ft)
Blue	5W/m(1.52W/ft)	0.208A/m(0.063A/ft)	12lm/W	60lm/M(18lm/ft)	5M(16.4ft)
W(2700K)	5W/m(1.52W/ft)	0.208A/m(0.063A/ft)	68lm/W	340lm/M(104lm/ft)	5M(16.4ft)
W(6500K)	5W/m(1.52W/ft)	0.208A/m(0.063A/ft)	76lm/W	380lm/M(116lm/ft)	5M(16.4ft)
RGBWW	22W/m(6.71W/ft)	0.917A/m(0.280A/ft)	44lm/W	968lm/M(295lm/ft)	5M(16.4ft)

Note:

The data base on IP20.
The Lumen output value tolerance is ±5% due to testing way.
The CCT tolerance is ±5% due to testing way.

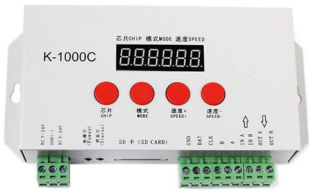
Recommended Accessories			
Controllers	RS-SC+R9	K-1000C	K-8000C
Max. Connection Length	≤30M	≤30M	≤30M*8CH

Absolute Maximum Ratings

Parameter	Symbol	Value
Thermal Measurement Point	Tc	80°C/176°F
Operating Temperature	Topr	<80°C/<176°F
Storage Temperature	Ts	-20~+ 60°C/-68~140°F
Number of FPC Connection		

PRODUCT DATA SHEET

Controller Options



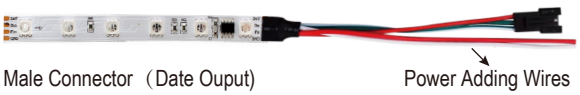
RS-K-1000C

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

RS-SC

RS-SP639E

Wiring Diagram Application

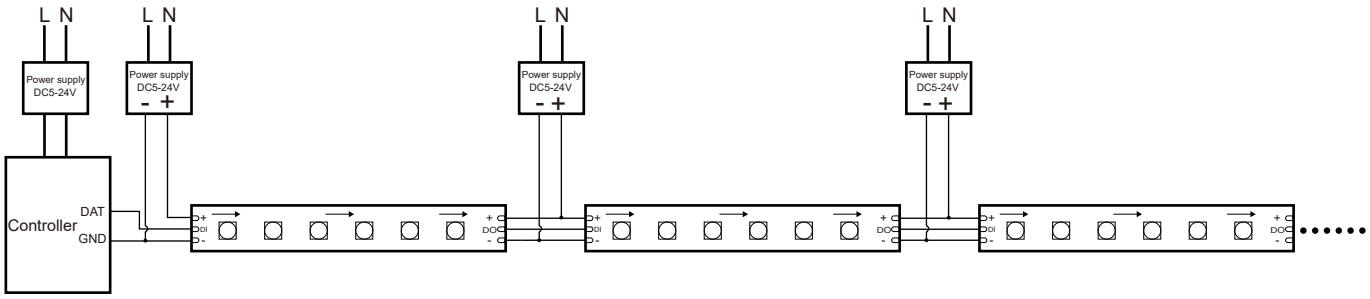


Male Connector （Date Ouput）

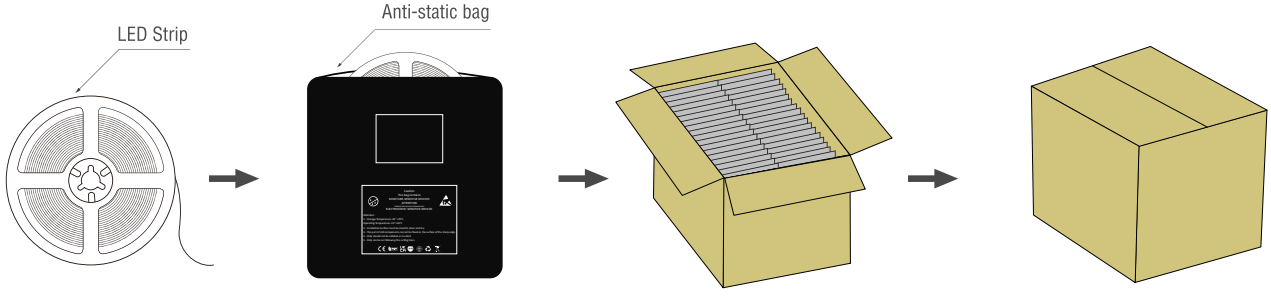
Power Adding Wires

Female Connetor (Date Input)

Power Adding Wires



Packaging



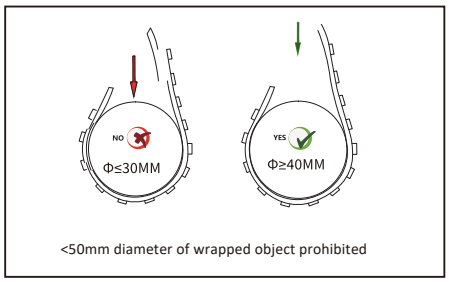
5m/reel

1reel/bag

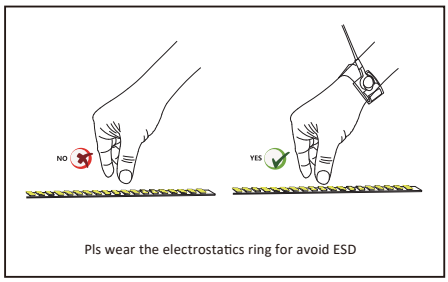
100bags/carton

52x52x24cm, 14kgs/carton

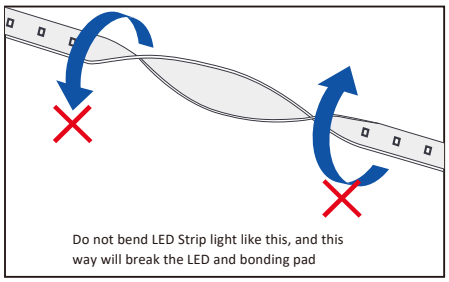
Cautions



<50mm diameter of wrapped object prohibited



Pls wear the electrostatics ring for avoid ESD


Do not bend LED Strip light like this, and this way will break the LED and bonding pad

Safety & Disclosures

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