

PRODUCT DATA SHEET



Digital Series

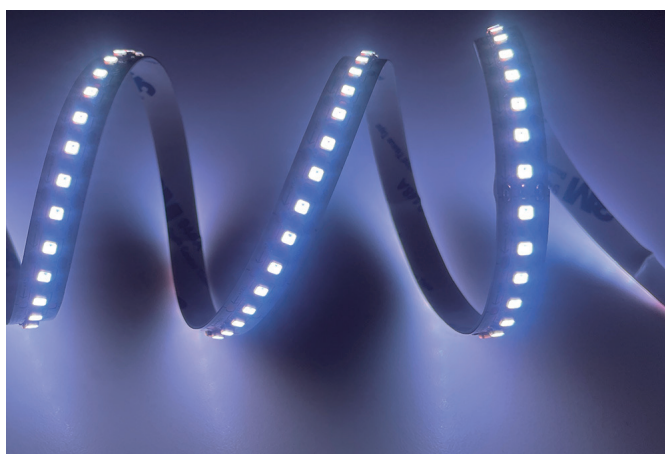
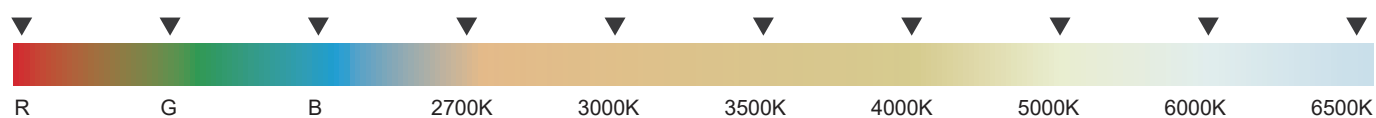
2121SPI 180LED/m 18W/m
(Internal IC ; 180 pixels/m)



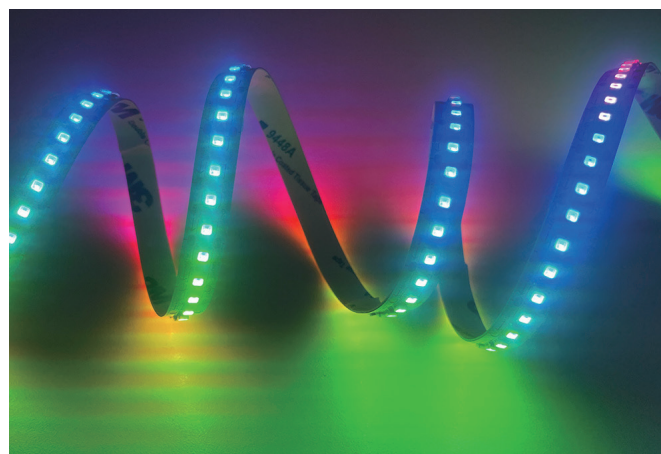
Product Features

1. New 2121 RGB pixel LED, new design tiny chip.
2. Internal programmable smart IC SK6812, appropriate for pixel controllable case by SPI signal.
3. 2 LEDs/cut, can fit more application which need special length.
4. Pretty good density with good decoration effect.
5. Warranty: 2 years.

CCT Option

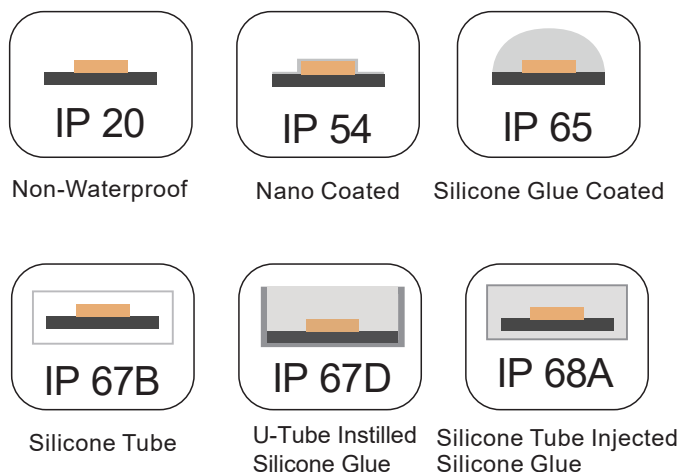


Lighting Effect

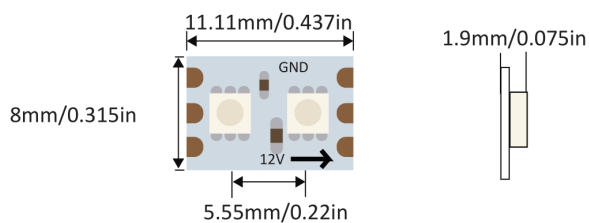



Lighting Effect

IP Rating Option



Dimension mm/inch



Length/Reel	Width	Height	LED Spacing	Min. Cutting 
5000mm/196.85in	8mm/0.315in	1.9mm/0.075in	5.55mm/0.22in	Every 11.11mm /0.437in (2 LEDs)

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-SPI2121RGB-12V-180D-08-20	12V	18W/m	1.554A/m	180LEDs/M	/
		5.46W/ft	0.47A/ft	≈55LEDs/ft	

CCT (°K)	Luminous Efficiency	Lumen	
R	7 lm/W	141 lm/m	43 lm/ft
G	22 lm/W	404 lm/m	123 lm/ft
B	5 lm/W	91 lm/m	28 lm/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 _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

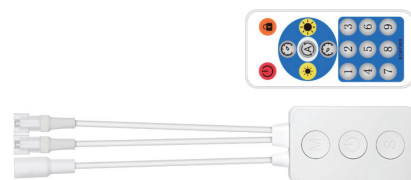


RS-K-1000C

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



RS-SC

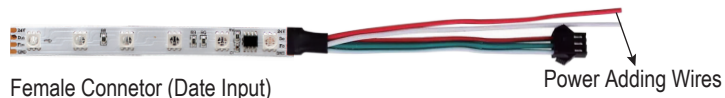


RS-SP601E

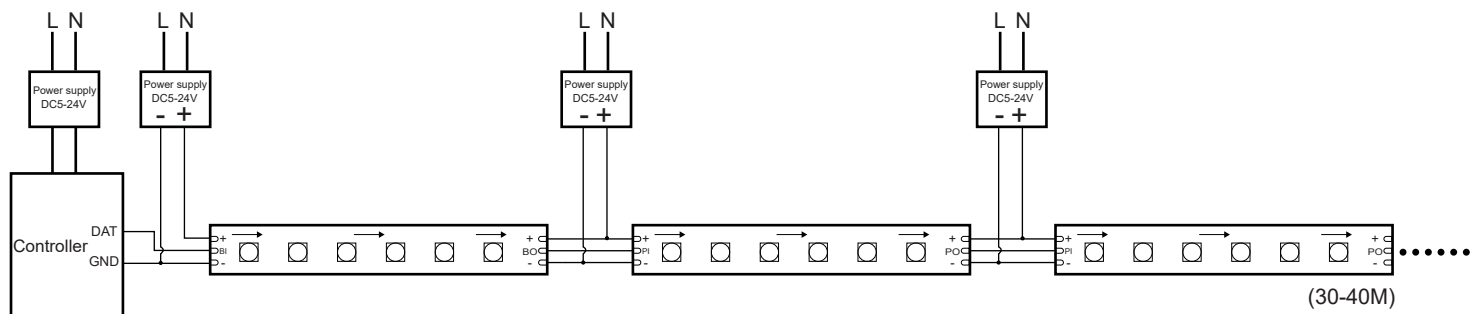
Wiring Diagram Application



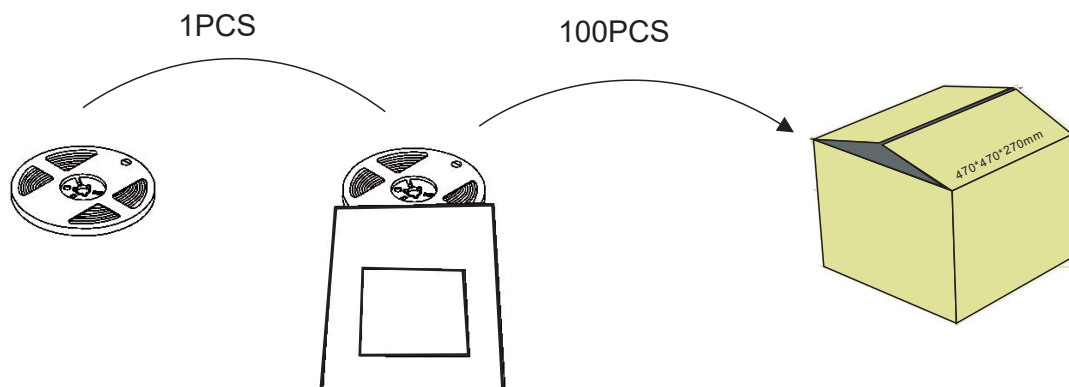
Male Connector (Date Output)



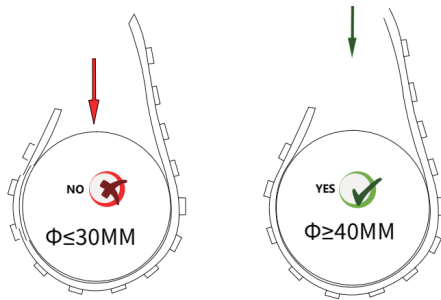
Female Connector (Date Input)



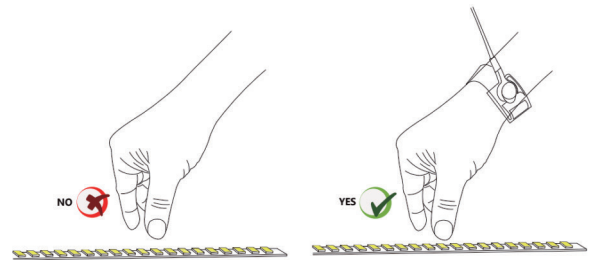
Packaging



⚠ 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