

## DIGITAL SERIES

SPI4040 60LEDs/m 14W/m (**WS2814B**)

External IC, 10 pixels/m



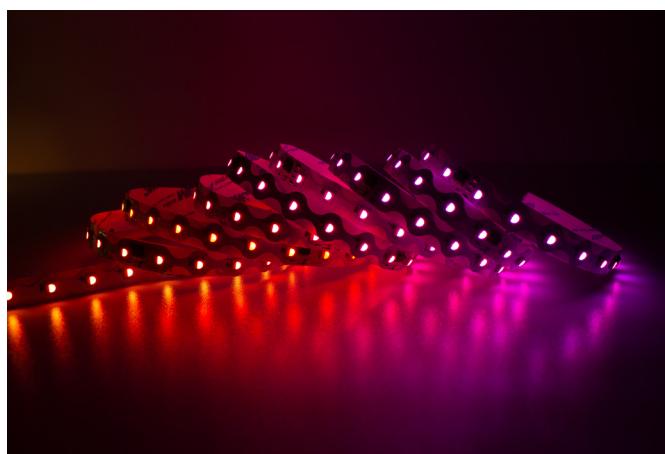
RS-SPI4040RGBWS-24V-60D-12W-20-WS2814B



## Product Features

1. SPI digital led strip light.
2. With External IC WS2814B, which is a 4-channel LED driver control circuit that includes an intelligent digital port data latch and a signal reshaping amplification drive circuit.
3. Signal Break-Point Continuous Transmission, adopts dual signal transmission.
4. Suitable for advertising, hotel, bar, KTV, bridges, walls and other interior & exterior lighting project.
5. Warranty: 2 years.

## CCT Option

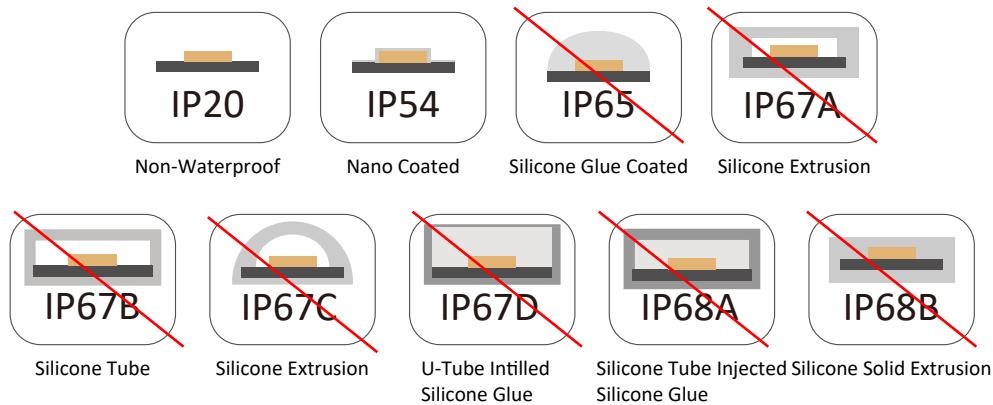


Lighting Effect

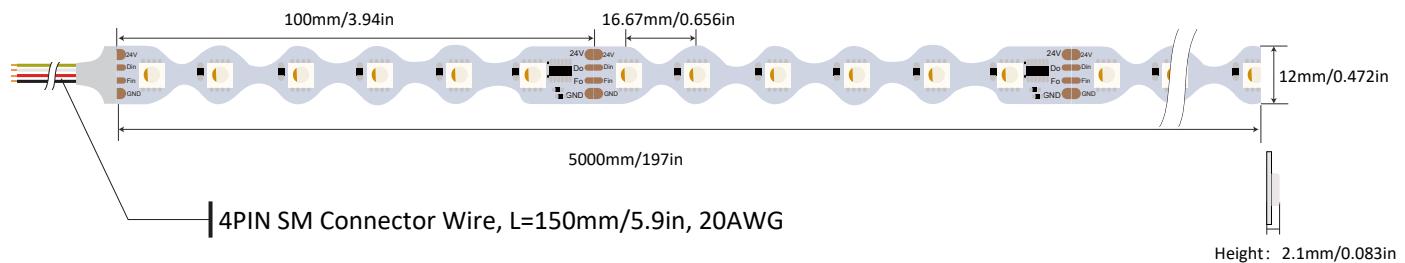


Lighting Effect

## IP Rating Option



## Dimension(mm/inch)



Length/Reel	Width	Height	LED Spacing	Min. Cutting
5000mm/197in	12mm/0.472in	2.1mm/0.083in	16.67mm/0.656in	Every 100mm/3.94in (6LEDs)

## Note:

Led strip length tolerance is  $\pm 10\text{MM}$  based on 5M/roll, IP20 & IP54.

## Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
RS-SPI4040RGBWS-24V-60D-12W-20-WS2814B	24V	14W/m	0.580A/m	60LED/m	90+
		4.27W/ft	0.177A/ft	≈18LEDs/ft	

CCT (°K)	Power	Input Current	Luminous Efficiency	lumen	Maximum Length
Red	4W/m(1.22W/ft)	0.170A/m(0.052A/ft)	22lm/W	92lm/M(28lm/ft)	5M(16.4ft)
Green	4W/m(1.22W/ft)	0.170A/m(0.052A/ft)	63lm/W	257lm/M(78lm/ft)	5M(16.4ft)
Blue	4W/m(1.22W/ft)	0.170A/m(0.052A/ft)	13lm/W	53lm/M(16lm/ft)	5M(16.4ft)
W(4000K)	4W/m(1.22W/ft)	0.170A/m(0.052A/ft)	59lm/W	244lm/M(74lm/ft)	5M(16.4ft)
RGBW	14W/m(4.27W/ft)	0.580A/m(0.177A/ft)	47lm/W	660lm/M(201lm/ft)	5M(16.4ft)

## Note:

The data base on IP20.

The Lumen output value tolerance is ±5% due to testing way.

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Recommended Accessories				
Controllers	RS-SC+R9	SP639E	K-1000C	K-8000C
Max. Connection Length	≤30M	≤30M	≤30M	≤30M*8CH

## Absolute Maximum Ratings

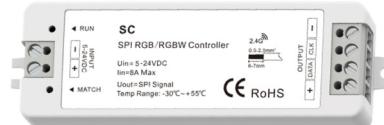
Parameter	Symbol	Value
Thermal Measurement Point	T <sub>c</sub>	80°C/176°F
Operating Temperature	T <sub>opr</sub>	<80°C/<176°F
Storage Temperature	T <sub>s</sub>	-20~+ 60°C/-68~140°F
Number of FPC Connection		

## Controller Options



RS-K-1000C

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

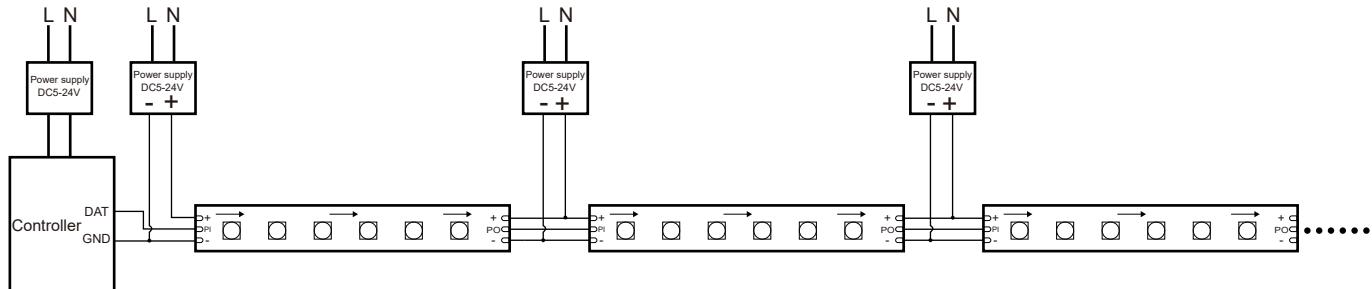


RS-SC

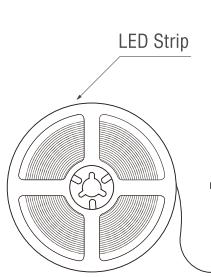


RS-SP639E

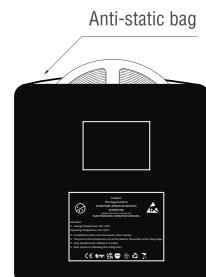
## Wiring Diagram Application



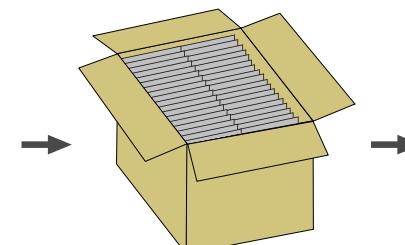
## Packaging



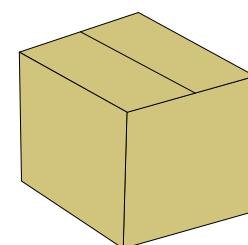
5m/reel



1 reel/bag

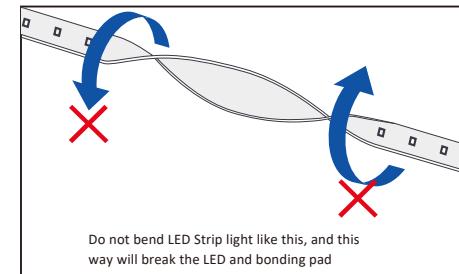
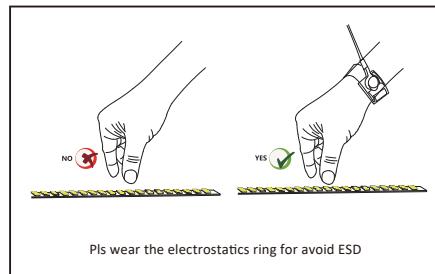
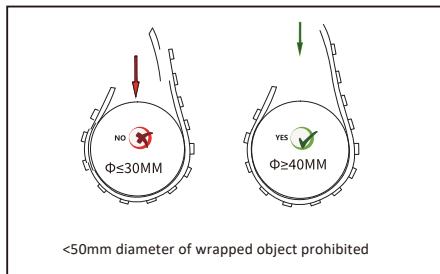


100 bags/carton



52x52x24cm, 14kgs/carton

## Cautions



## 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.