

DIGITAL SERIES

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

External IC, 10 pixels/m



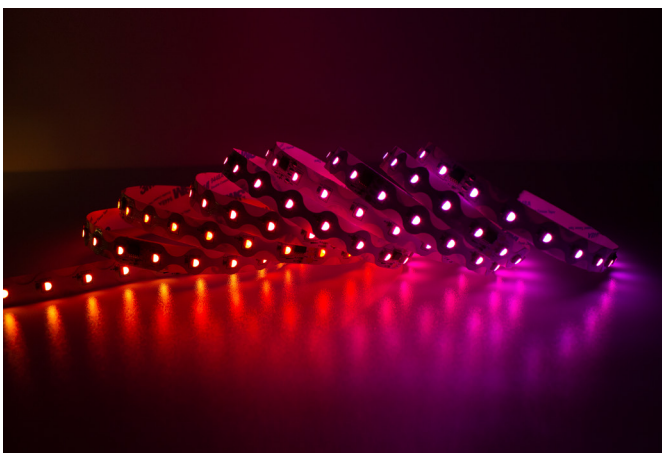
RS-SPI4040RGBWS-24V-60D-12W-20-WS2814B



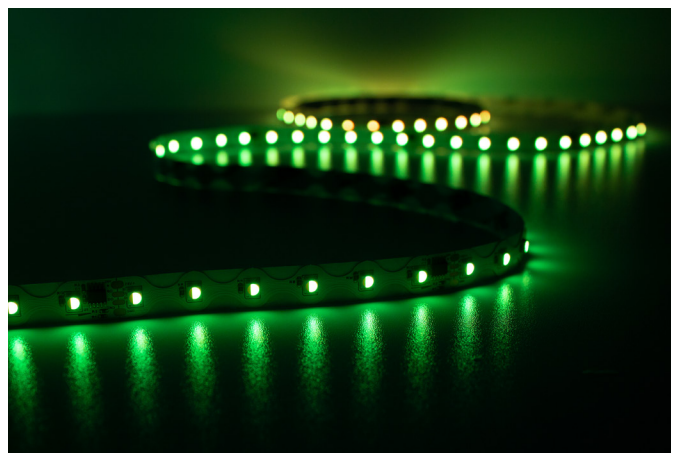
Product Features

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

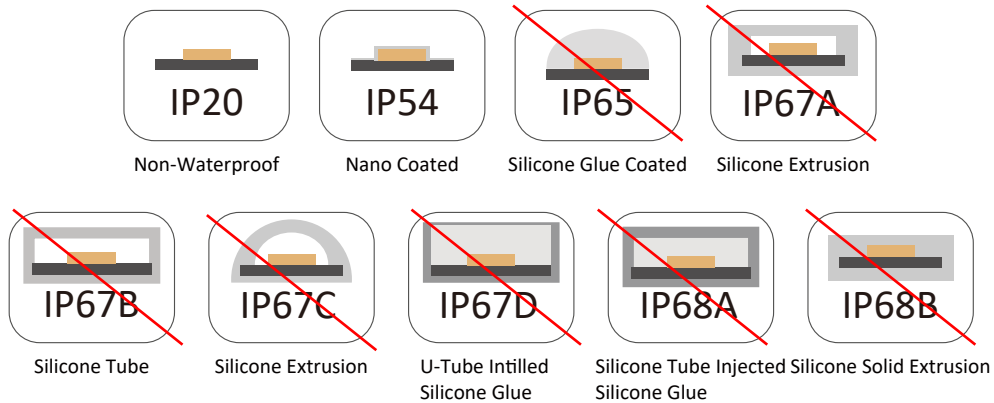


Lighting Effect

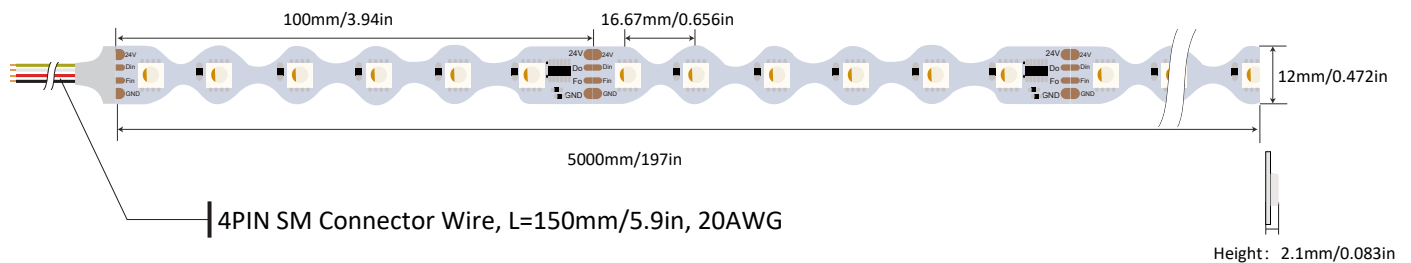


Lighting Effect

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.

The CCT tolerance is ±5% due to testing way.

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

Absolute Maximum Ratings

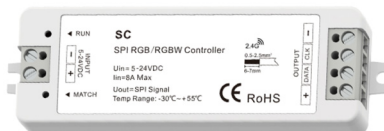
| Parameter | Symbol | Value |
|---------------------------|--------|----------------------|
| Thermal Measurement Point | Tc | 80°C/176°F |
| Operating Temperature | Topr | <80°C/<176°F |
| Storage Temperature | Ts | -20~+ 60°C/-68~140°F |
| Number of FPC Connection | | |

Controller Options



RS-K-1000C

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

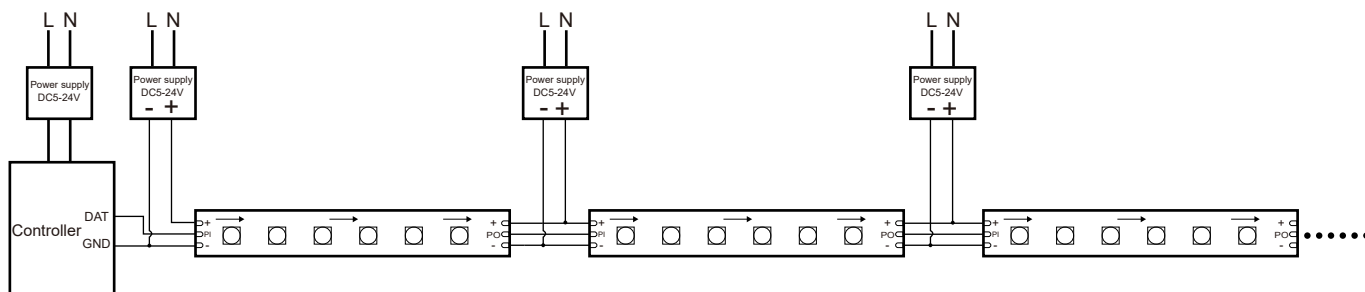
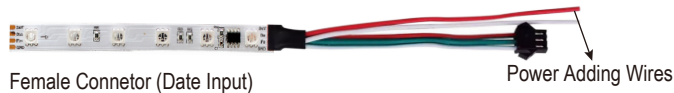


RS-SC

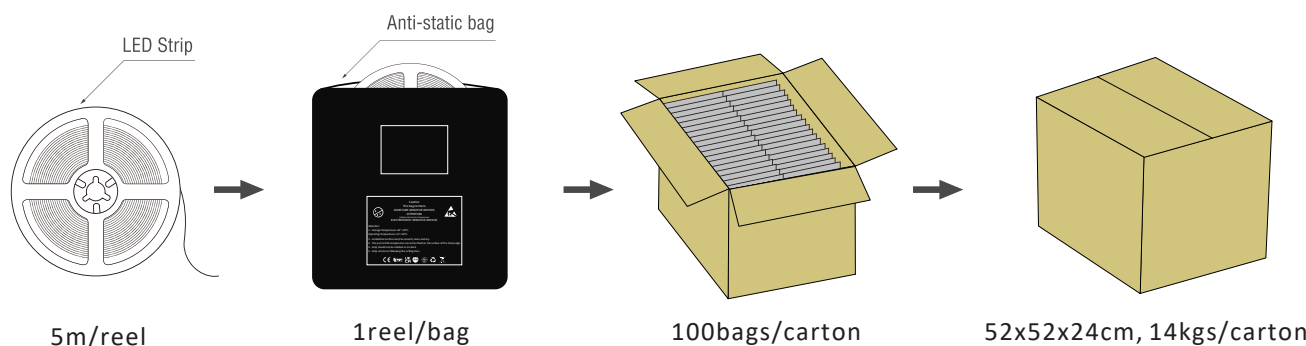


RS-SP639E

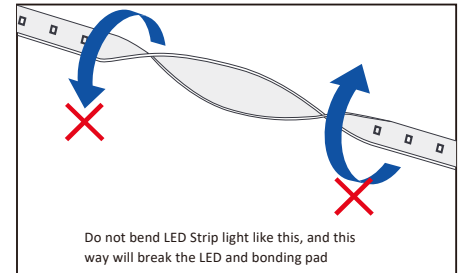
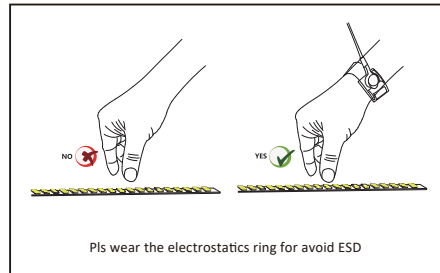
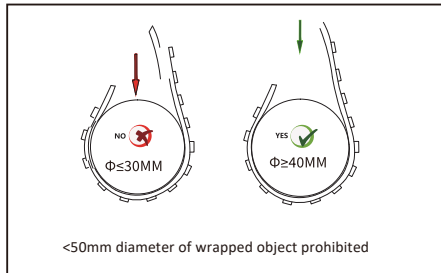
Wiring Diagram Application



Packaging



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.