

PRODUCT DATA SHEET

DIGITAL SERIES

SPI 2835 180LEDs/m 11W/m

(WS2811) External IC, 10pixels/m



ARC-24-SPI2835

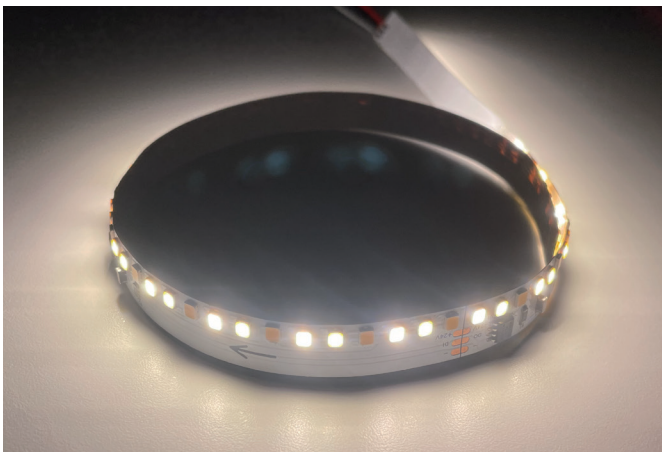
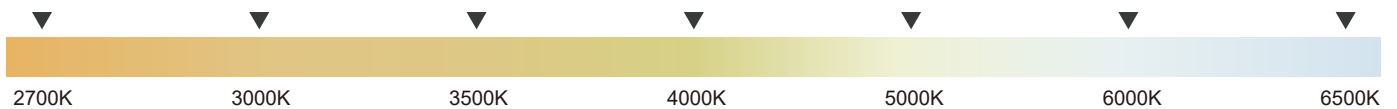


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Product Features

1. Pixel Control Series with external programmable smart IC WS2811, appropriate for pixel controllable case by SPI signal, can achieve the effect of flowing water by controller.
2. High density design with 180LED/M, perfectly to get dot-free linear performance while fixing into aluminum profile or 360 ° neon flex.
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

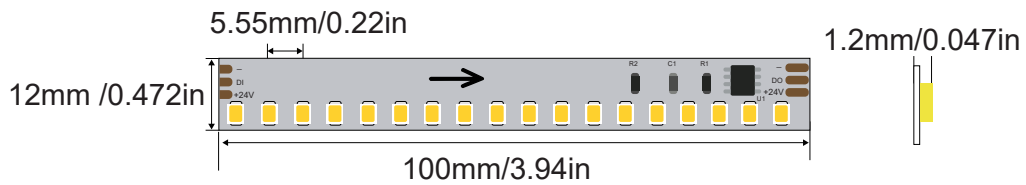


Nano Coated



Silicone Solid Extrusion

Dimension(mm/inch)



Length/Reel	Width	Height	LED Spacing	Min. Cutting
5000mm/197in	12mm/0.472in	1.2mm/0.047in	5.55mm/0.22in	Every 100mm/3.94in (18LEDs)

Note:

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

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Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
ARC-24-SPI2835	24V	11 W/m	0.461A/m	180LEDs/M	90+
		3.35W/ft	0.140A/ft	≈55LEDs/ft	

CCT (°K)	Luminous Efficiency	Lumen	
2700K	97lm/W	1077lm/m	328m/ft
3000K	97lm/W	1077lm/m	328lm/ft
4000K	104lm/W	1140lm/m	347lm/ft
6500K	104m/W	1140lm/m	347lm/ft
Other options Red	/	/	/
Green	/	/	/
Blue	/	/	/

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

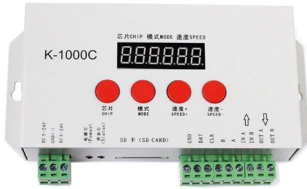
Controllers	RS-SC+R9	SP636E	K-1000C	K-8000C
Max. Connection Length	≤30M	≤30M	≤30M	<30M*8CH

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		

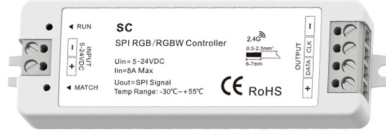
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Controller Options



RS-K-1000C

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

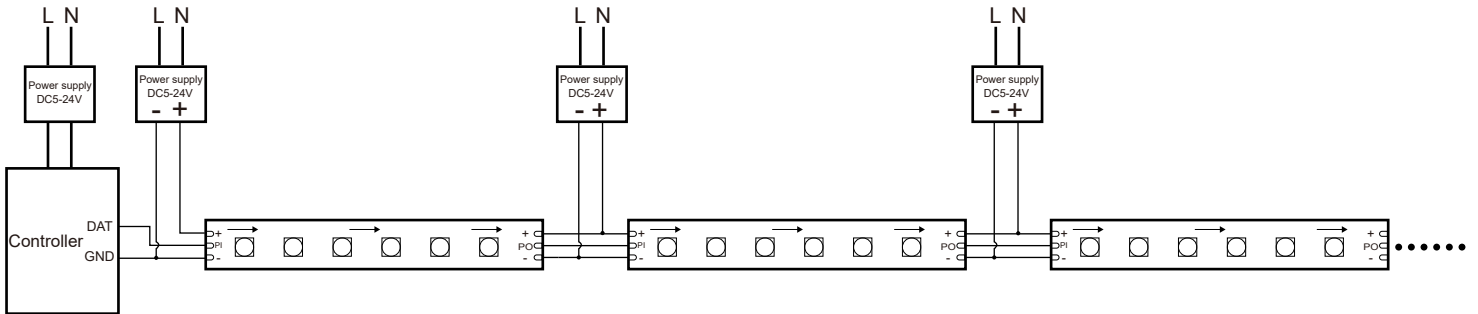
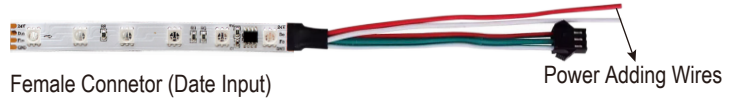
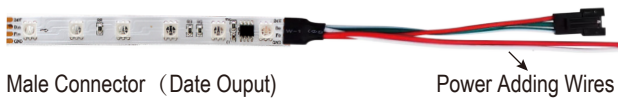


RS-SC

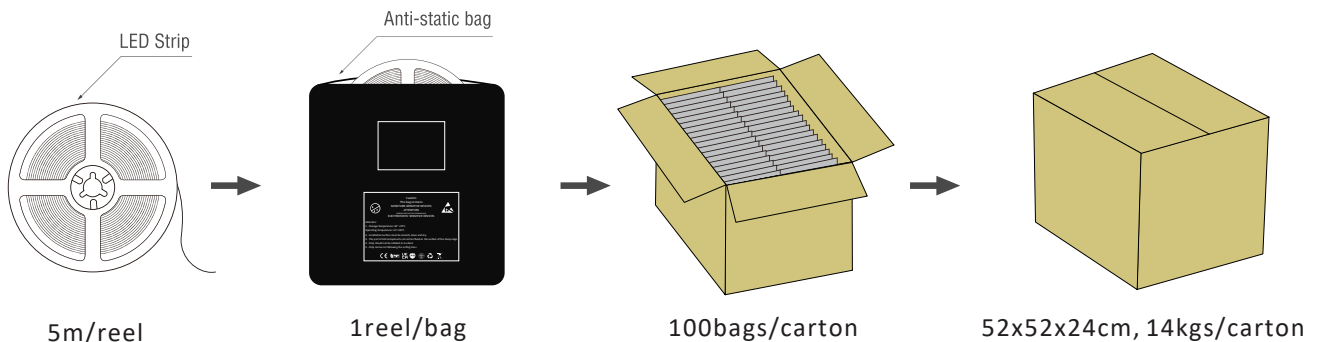


RS-SP636E

Wiring Diagram Application

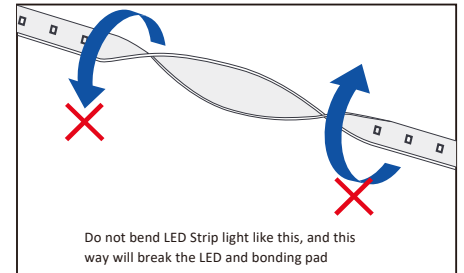
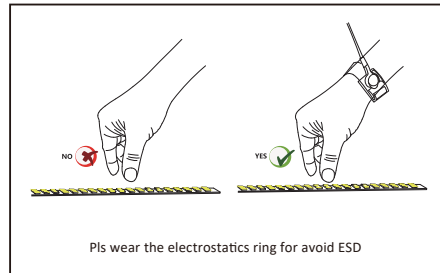
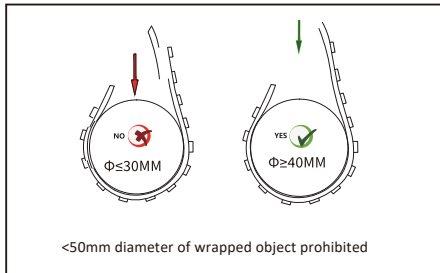


Packaging



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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.