



WS2815B Led Strip



Product Details:

Specifications:

IC type :WS2815 IC.

Gray level: 256.

View angle: 120°.

Input voltage: DC12V.

Color: full color 24-bit.

FPCB board color: White/Black.

Power: 0.3W/LED 30/60/100/144 LEDs/m.

Model: WS2815 strip 5050rgb chips.

Storage Temperature:-30-+95 °C.

Operating Temperature:-20 ~ +85°C.

Led Qty: 30/60/100/144pcs RGB SMD 5050 per meter.

The distance between two LEDs:30Leds/m -- 28mm, 60Leds/m -- 12mm, 100Leds/m -- 5mm.144Leds/m -- 1.92mm.

Wave length(nm):Red,650nm ; Green,520nm ; Blue,460nm.

Waterproof level: IP30: Non- waterproof, IP65: Waterproof in Silicon Coating, IP67:

Waterproof in SiliconTube.

1,LED Chip Material:

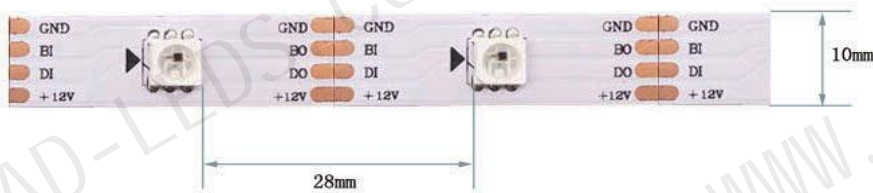
11 pcs Pure Gold Line, Copper Bracket (WS2815).

2, LED IV Value Brightness:

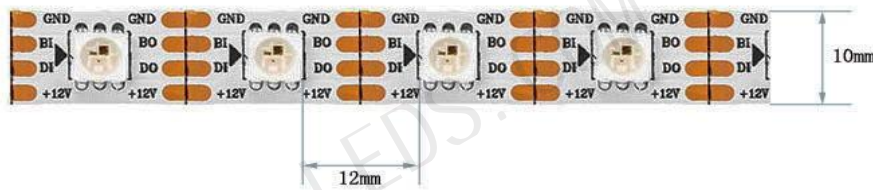
Red: 300-600mcd, Green: 1500-2500mcd, Blue: 150-400mcd (WS2815).

3, Warranty Period of Led Strip: 36 Months (WS2815)

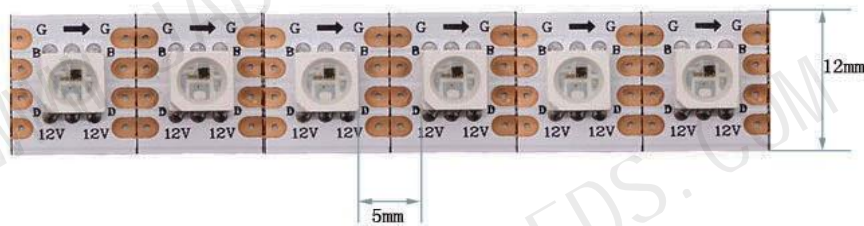
4, LED Channel Order: GRB (WS2815)



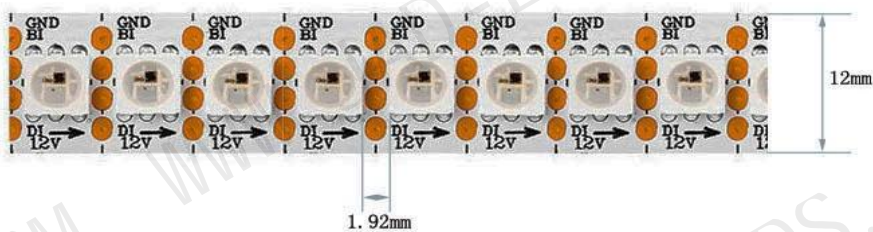
30Leds/m



60Leds/m



100Leds/m



144Leds/m

IP30



Non-Waterproof

IP65



Waterproof in Sillcon Coating

IP67



Waterproof in Sillcone Tube

Main Feature:

- (1) One pixel damaged will not affect the other LEDs working.
- (2) The power protection, if +12V and GND reverse polarity, the LED will not be burned.
- (3) Dual signal wires version, signal can jump to transfer.
- (4) The original electronic devices integrated, it does not cause virtual welding in the installation process.

1, all the electronic components are integrated in a 5050 lamp beads, it does not require any other peripheral auxiliary electronic components to form a complete external control pixels. While reducing the product at the time of installation inverted Weld, caused by poor.

2, serial cascade interface, dual-line signal transmission, to achieve the functions of HTTP, which under a single pixel without causing damage to its lower pixel normal lighting, silk ho does not affect the overall results.

3, intelligent reverse polarity protection, product installation access 5V power supply in case of reverse, will not cause damage to the lamp beads.

4, built-in signal shaping circuit, any one pixel after receiving the signal through the waveform shaping and then output to ensure line waveform distortion will not accumulate.

6, the transmission distance between any two points in less than 5 meters without any additional signal amplification circuit.

7, when a refresh rate of 30 frames / sec, the number of cascades of not less than 1024 points.

8, the data transmission speed of up to 800Kbps. Light color consistency, cost-effective.



Individually Addressable

Size:5mmx5mm
Each LED Is Addressable
One IC Control One LED
(10Pcs Admixture Gold Line)



Cuttable

You Can Cut Each Led Strip
The Rest Of Them Still Work



3M Adhesive

IP30 & IP65 Have 3M Adhesive
IP67 Get No 3M Adhesive



IP30 Non Waterproof

IP30 Better Use Indoor
Avoid moisture



IP65 Waterproof

IP65 Can Use Indoor & Outdoor



IP67 Waterproof

IP67 Can Use Indoor & Outdoor

Ends of the LED Strip with 4Pin Connector.

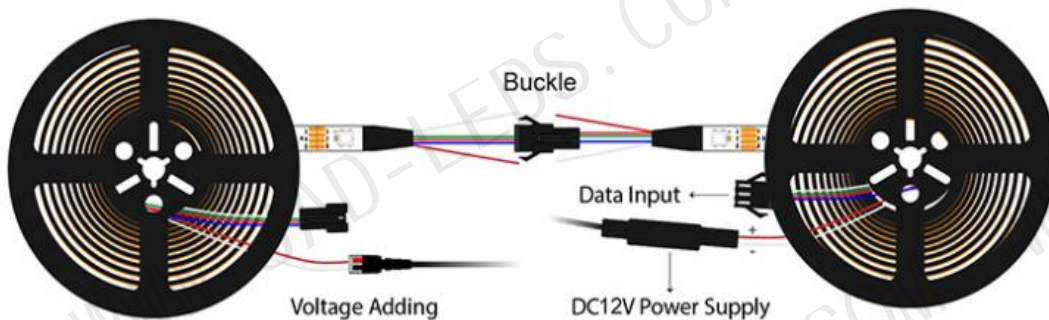


Male Connector (Data Output)



Female Connector (Data Input)

Voltage-Adding Wires



END TO END CONNECT

- End to End connect
- DC12V Voltage-Adding . It is Better to Add DC5V Voltage Every 16.4ft or 300EDs, Because the LEDs at the Far End of the Strip Might Be Dimmer.

LED WS2815 Symphony Light Strip Function Description:

Happy control a single lamp, water, windows, rear meteor, chasing, pattern change animation, video, text, and so on. Use of the lamp, in which a pixel bad, does not affect the normal operation of other lights so as not to affect the overall results. Any color can show, random combinations into any pattern, in particular made light of the screen to use. No separate address to write to the lamp can be achieved HTTP, installation easier. Meanwhile lamp beads which also integrates a capacitive resistance, so that electronic components do not need to be on board the auxiliary light bar, thus increasing the stability of the product.

WS2815 LED STRIP

Signal Break-Point Continuous Transmission

If one LED is defective, the following LEDs can still work.



WS2815 LED Strip



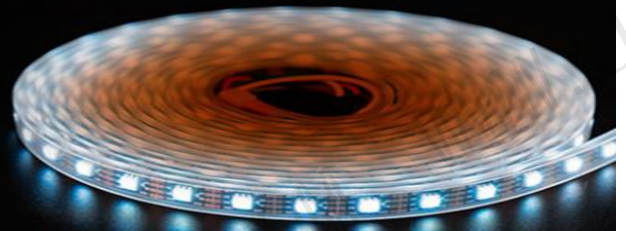
WS2812B LED Strip

Voltage

12V No Voltage Drop for 5M/Roll on Full White at Sufficient Power Input.

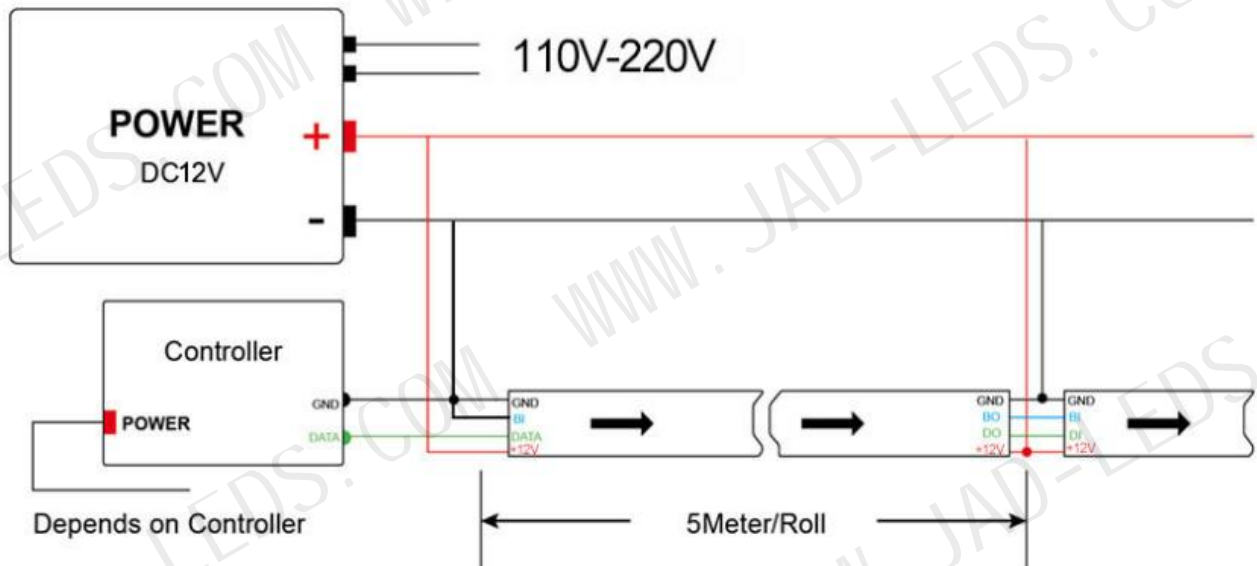


WS2815 DC12V



WS2813 DC5V

Distribution Wiring Diagram



Address: 4th Floor, Building C, No. 47, Baoshi East Road, Shuitian Community, Shiyuan Street, Baoan District, Shenzhen, Guangdong, China.