



# Derun Lighting Technology Co., LTD

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## WS2811 LED Strip Light

### DR-2811FX30-12RGB



### Features:

- ◆ wide applicability, easy to install and maintain.
- ◆ very flexible, easily be curved to any shape.
- ◆ extremely luminous, with wide viewing angle.
- ◆ energy saving and environmental conservation, long lifespan.
- ◆ various colors available.


### Application:

- ◆ indoor decoration lighting.
- ◆ large scale backlight.
- ◆ window display lighting.
- ◆ building contour decorative lighting
- ◆ ad. signs

### Cautions:

- ◆ Linear separable LED strip on flexible printed circuit board with self-adhesive back.
- ◆ Each unit of 3 LEDs can be cut out as a regular segment without damaging the rest ribbon.
- ◆ The connector is being upgraded.
- ◆ We will keep customers informed.

## Electrical/Optical Characteristics:

Part No.	Color	Operating Voltage	Length	Remark	LED Quantity/M	Power Dissipation/m
DR-2811FX30-12RGB	W, Y, B, G, R, RGB	DC12V	5m	Internal Controller	30leds+10IC	7.2W
DR-2811FX30-12RGB	RGB	DC12V	5m	Controlled by the controller	30leds+10IC	7.2W
DR-2811FX60-12RGB	RGB	DC12V	5m	Controlled by the controller	60leds+10IC	14.4W
WS2811 Controller						

- ※ PCB Size: 5000mm\*10mm
- ※ LED Quantity: 30leds/m 60leds/m
- ※ Working Voltage: 12V
- ※ Power: 7.2W/M 14.4W/M
- ※ Lumen: 18-20LM per led
- ※ PCB Color: White
- ※ Viewing angle: 120 degree
- ※ Waterproof: IP20 Non-waterproof  
IP67 Silicon Tube Waterproof
- ※ Tape: 3M adhesive tape on the back for IP20 LED Strip
- ※ Clips & End Caps: 10pcs Clips & 2pcs End Caps per roll for IP67 led strip
- ※ Package: 5M/ROLL with Anti-static Bag
- ※ Certification: CE, ROHS, UL Listed
- ※ Warranty: 3 Years

### Note:

- Ø Prohibit to use this product in excess of the operating voltage (DC12V) 5%.
- Ø Non-waterproof products, and the working environment humidity is less than 60%.
- Ø Don't add reverse voltage at both ends of the product.
- Ø Products using indoor environment (not waterproof) is -40 ° C ~ 85 ° C, it would not work outside such environmer
- Ø No weights extrusion, excessive meander.
- Ø Life span is 50000h.
- Ø Standard length:5 meters/reel or 8 meters/reel.
- Ø Ribbon width: 10mm
- Ø Printed circuit board thickness: 0.25mm.

### Assembly information

- Ø Solder connection should only be performed on designated solder pads(marked"+/-),During soldering, don't exceed the maximum soldering time of 10 seconds and the maximum soldering temperature of 260 Celsius degrees.
- Ø The smallest unit (50mm or 100mm-3LEDS) can be removed by cutting with scissors between the designated
- Ø The mounting of the ribbon is facilitated by means of the double-sided adhesive on the back-surface of the ribbon, Care must be taken to provide a clean and dry mounting surface, free of oils or silicone coatings as well as

Ø The minimum bending radius is 2cm. The ribbon may be bent over a smaller radius of the circuit board contained no Electronic components and such bends should be made once and fixed in position to avoid cyclic fatigue.

### Safety information

Ø The SMD light ribbon itself and all its components may not be mechanically stressed.

Ø Assembly must not damage or destroy conducting paths on the circuit board.

Ø Installation of LED modules (with power supplies) need to be made with regard to all applicable electrical and safety standards. Only qualified person should be allowed to perform installations.

Ø Correct electrical polarity needs to be observed, Wrong polarity may destroy the ribbon.

Ø Parallel connection is highly recommended as safe electrical operation mode, Serial connection is not recommended, Unbalanced voltage drop can cause hazardous overload and damage the ribbon.

Ø Please ensure that the power supply is of adapters power to operate the total load.

Ø When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between ribbon and the mounting surface.

Ø Pay attention to standard ESD precautions when installing the ribbon.

Ø Damaged by corrosion will not be honored as a materials defect claim, it is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

### Package & Shipping:

