



# WS2811 Magic Strip

RGB

WS2811

5050 SMD

3 Year Warranty



IP20/67





## ※ Feature

### Super light source

GLU WS2811 Magic strip, top quality 5050 RGB SMD LEDs used as light sources, with high brightness and nice color mixing effect.

### Double-faced soft FPC

GLU WS2811 Magic strip use high tech. double-faced FPC soft PCB to ensure the good electrical conductivity and lower voltage drop, special designed with thicker cooper circuit, however for many other suppliers they use single faced soft PCB. White PCB and black available for choice.

### Flexible in length suitable for different applications

GLU LED strip light, the standard length is 5 meters/reel, but we can offer different length strip, such as 1meter, 2meters, 3meters, 4meters etc. suitable for different applications. And whole strip can be cut by each pixel(every 3 leds).

### High brightness

GLU WS2811 Magic strip, with high brightness 5050 RGB SMD LED, with grate color mixing effect, which will give you a pure white when three color mixing.

### Non-waterproof and IP65, IP67 available

GLU WS2811 Magic strip, we offer both non-waterproof version and IP65(dropped with silicone gel or high quality PU gel), IP67(with silicone tube) versions for choice for different applications.

### JST SM Connectors are used

For our WS2811B Magic strip, 3P JST SM connectors are used, which makes the strip very easy and convenient to use.

### Environmental friendly

GLU LED strips are complied with CE and RoHS standard without harmful substance, such as lead or Mercury etc.

### 3 Years warranty

GLU LED strips are use good materials and super light sources with low lumens depreciation, which make the strips with long life-span over 80, 000 hours, and we offer 3 years warranty.

## ※ Technique Data

Absolute Maximum Rating at TA=25°C

Parameter	Symbol	Absolute Maximum Rating		Unit
		MFBN-RGB-30-WS2811	MFBN-RGB-60-WS2811	
Forward Voltage	VF	12		V
Viewing Angle	2θ 1/2	120		deg
Operating Temperature	Topr	-25~+80		°C
Storage Temperature	Tstg	-40~+105		°C

Electrical / Optical Characteristics at TA=25°C

Part No.	Color	CCT/WLD	IC type	Working Voltage	LED Qty.	IC Qty.	Power
MFBN-RGB-30-WS2811	Red	620-625nm	WS2811	12VDC	30pcs/m	10pcs	7.2W
	Green	522-525nm					
	Blue	467-470nm					
MFBN-RGB-60-WS2811	Red	620-625nm	WS2811	12VDC	60pcs/m	20pcs	14.4W
	Green	522-525nm					
	Blue	467-470nm					

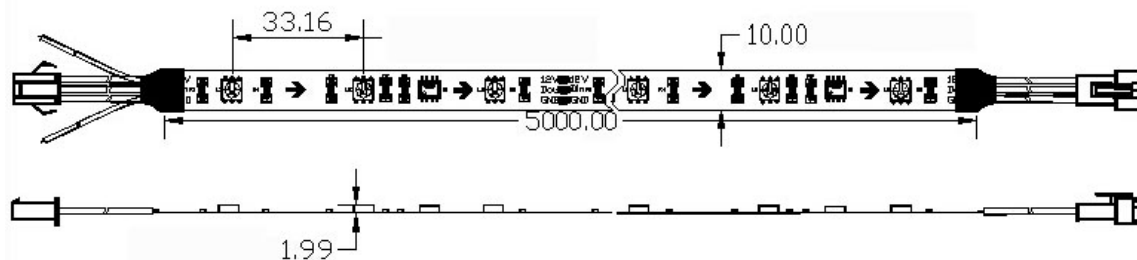
Note: 1. Test Temperature (Ambient temperature: TA=25°C)

2. All the technical parameters are based on per meter with max value.

## ※ Dimension

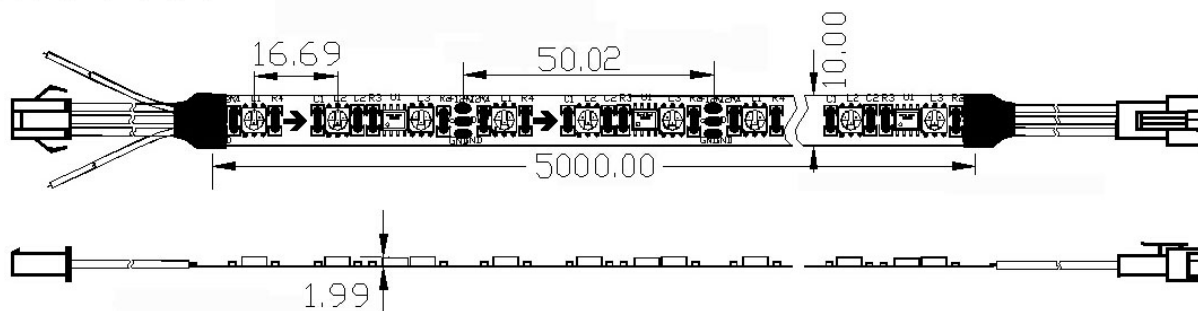
30LED/M

Unit:mm



60LED/M

Unit:mm

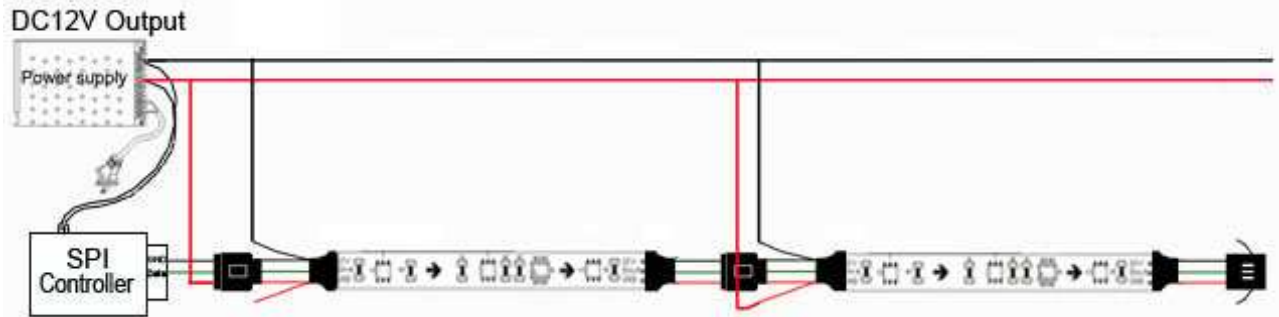




Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is  $\pm 0.5\text{mm}$  unless otherwise noted.

### ※ Connecting Diagram



Note:

1. Please connect strips before power on;
2. There are three cables, +12V, GND, DAT, +12V and GND connect to power supply, GND and DAT connect to controller;
3. Working voltage is DC12V, multiterminal power sources is strongly suggested to ensure the color consistence. every 5 meter in parallel connection is suggested.

### ※ Application

For Flexible Strips, they can be used as edge light, cove light, furniture light, sign light, backlighting for AdWords, lighting box etc., and widely used as decorative lighting for building outline, sidestep, exhibition stand, hotel, KTV, club etc. And also DIY Light for household use.



## ※ Safety Information

- Please use DC12V only;
- There are direction arrows on the PCB, arrow direction for connecting next reel strip;
- GND not only for power wire, also as signal wire, need connect to both power and controller;
- The Max distance between strips is 5m-10m, need use amplifier when more than 10m;
- Every 5m strip need re-connect to power supplier, avoiding voltage drop;
- Keep the surface of installation place clear and smooth, avoiding the strip fall off. DO NOT press the LED;
- DO NOT attempt to make sharp bend with the strip;
- DO NOT install where water or high humidity may be present without further protection;
- Away from strong acid or strong alkali.



## ※ Package

