

# Product Specification

## WS2811 LED Strip

**LC-2811RGB30XM12W-5V**  
**LC-2811RGB30XM10W-12V**

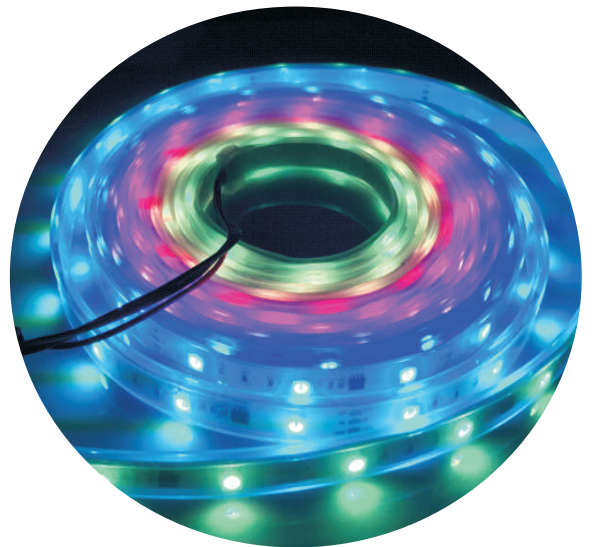
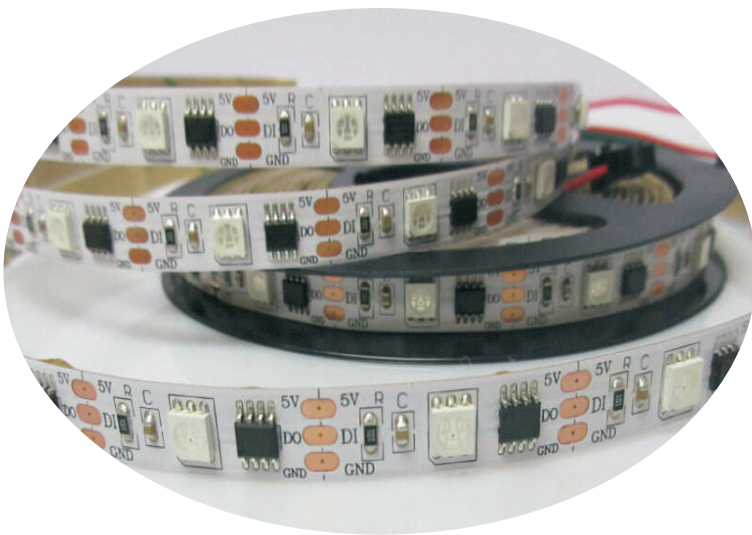
Making	Date	Version
LED Color	2018.4.8	V1.1



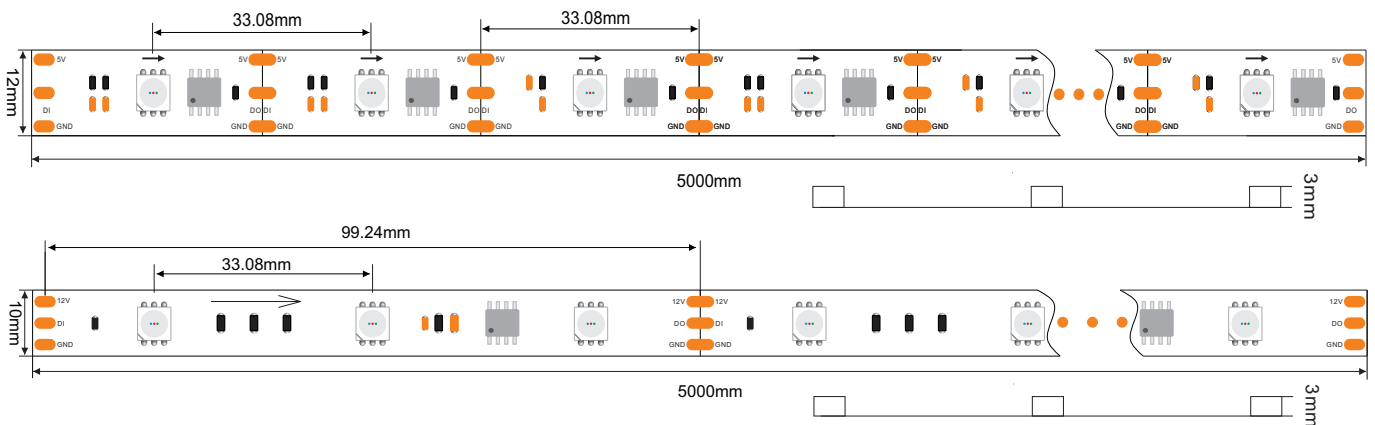
## Product Description

1. Using the flexible FPC as the base material, FPC is conductive, fast heat dissipation, bending resistance, and can be bent into various shapes
2. support post-installation code writing operations, can achieve a variety of animation effects by the controller programming
3. Low voltage power supply, more secure
4. IP Rating , IP20, IP65, IP67, IP68

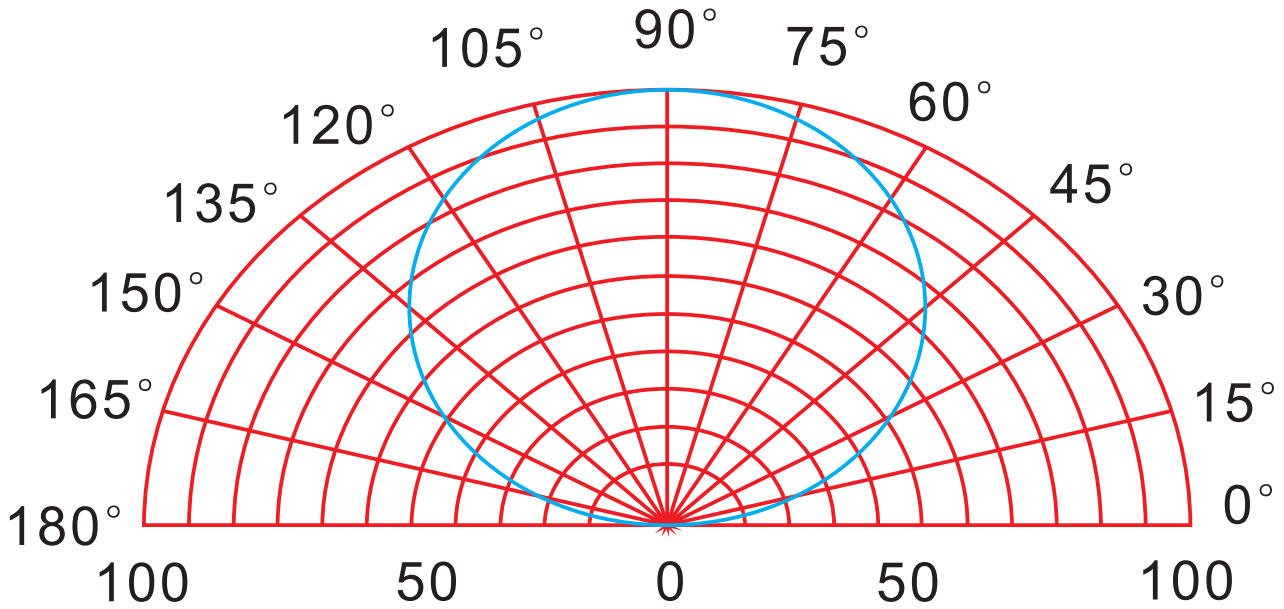
## LED Strip Picture



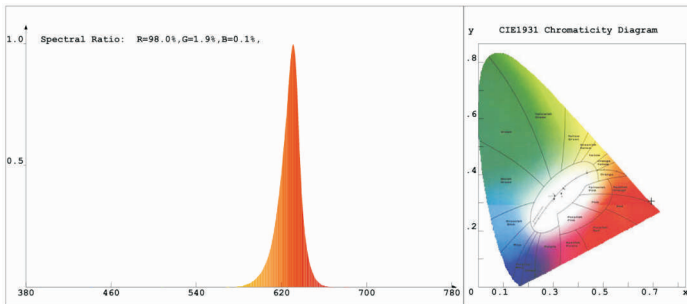
## LED Strip Dimension



## Radiation Diagram



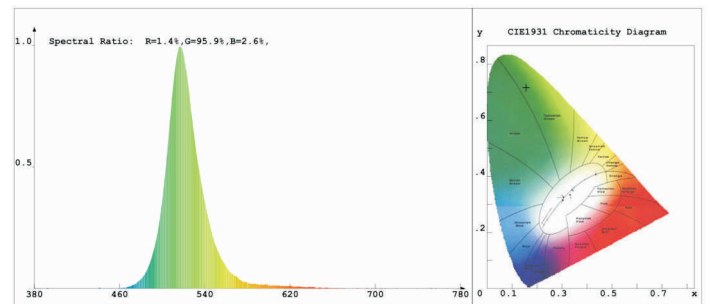
## 5050RGB LED Test Report



**R**

**Chroma Parameters**  
Chro. Coor.: x=0.5930, y=0.3062, u=0.5241, v=0.3474, duv=-0.0008  
CCT: 1335K Dominant Wave: 621.1nm Purity: 99.8%  
Flux RGB Ratio: R=95.5%, G=4.5%, B=0.0%  
Peak Wave: 630.5nm Half Width: 17.2nm

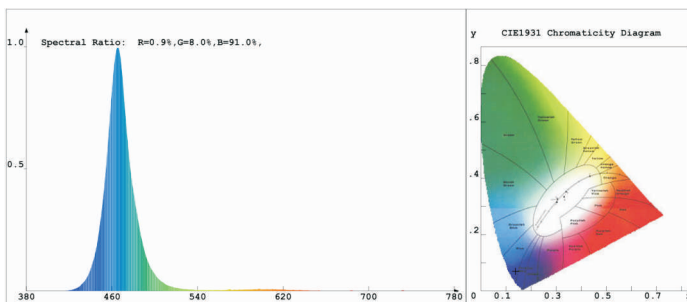
**Photo Parameters**  
Flux: 2.690lm Effi.: 57.1lm/W  
Efficiency: 0.032  
**Ele. Parameters**  
Forward Current: If=20.0mA Forward Voltage: Vf=2.36V  
Reverse Voltage: Vr=5.00V Reverse Current: Ir=0.00uA



**G**

**Chroma Parameters**  
Chro. Coor.: x=0.1562, y=0.7167, u=0.0554, v=0.3810, duv=0.1604  
CCT: 8105K Dominant Wave: 523.8nm Purity: 77.3%  
Flux RGB Ratio: R=0.7%, G=98.7%, B=0.6%  
Peak Wave: 516.8nm Half Width: 30.9nm

**Photo Parameters**  
Flux: 6.410lm Effi.: 111.6lm/W  
Efficiency: 0.024  
**Ele. Parameters**  
Forward Current: If=20.0mA Forward Voltage: Vf=2.87V  
Reverse Voltage: Vr=5.00V Reverse Current: Ir=0.00uA



**B**

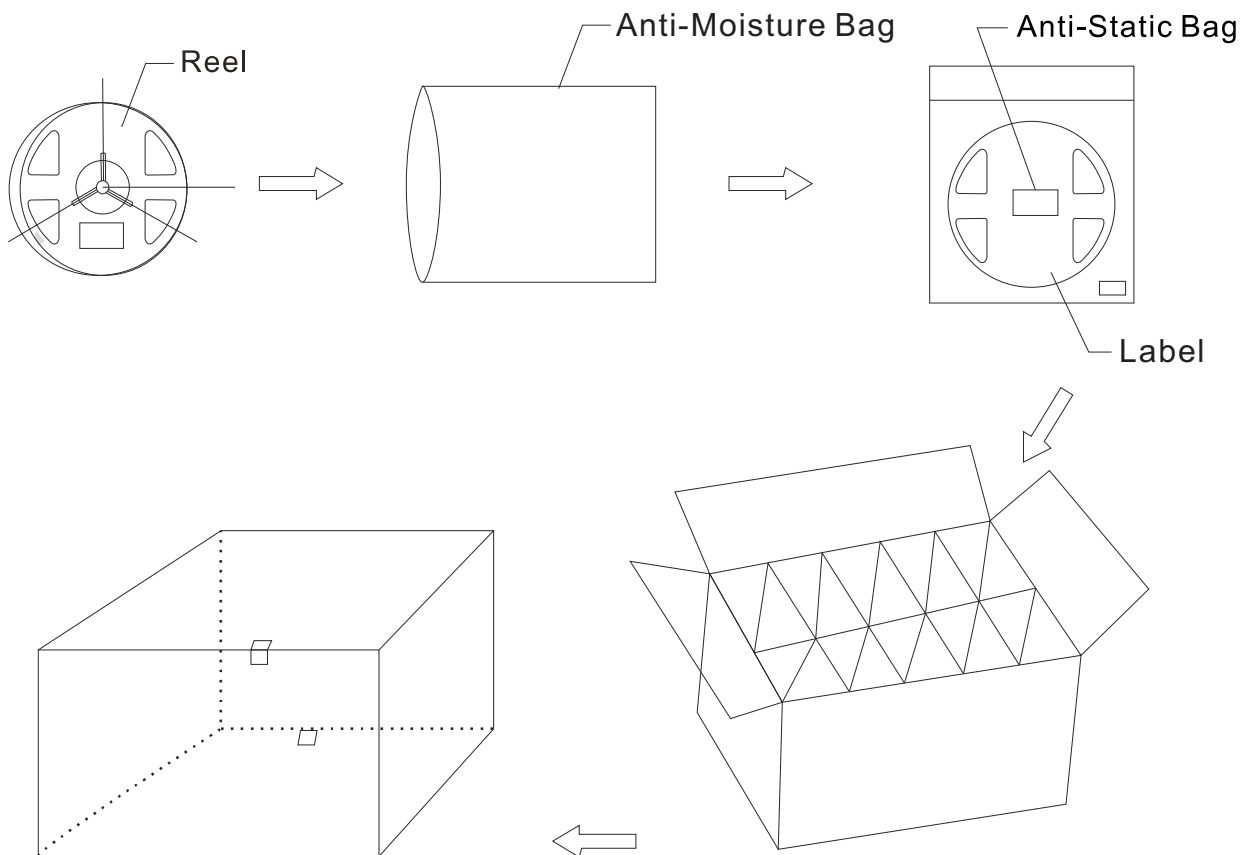
**Chroma Parameters**  
Chro. Coor.: x=0.1365, y=0.0700, u=0.1555, v=0.1179, duv=-0.0124  
CCT: 100000K Dominant Wave: 469.1nm Purity: 94.2%  
Flux RGB Ratio: R=2.9%, G=30.2%, B=66.8%  
Peak Wave: 465.5nm Half Width: 23.0nm

**Photo Parameters**  
Flux: 2.000lm Effi.: 33.0lm/W  
Efficiency: 0.045  
**Ele. Parameters**  
Forward Current: If=20.0mA Forward Voltage: Vf=3.02V  
Reverse Voltage: Vr=5.00V Reverse Current: Ir=0.00uA

## LED Strip Specification

Product Model	Product Description	IP Rating	Color	Color temperature /wavelength	Lumen/LED
LC-2811RGB 30XM12W-5V	SMD5050, 30LED/M, DC5V/12V, 9W/M, 12MM/10MM White PCB, 5M/Roll	IP20	RGB	R:620-625NM	R:1.5-2.5LM
LC-2811RGB 30XM10W-12V		IP65		G:520-525MM	G:5-7LM
	IP67	B:460-465NM		B:1-2LM	
		IP68			

## Packing



**Connection Diagram**

