GLU LIGHTING

High CRI 5730 Strip
Ra>90 & Ra>95

5730 SMD

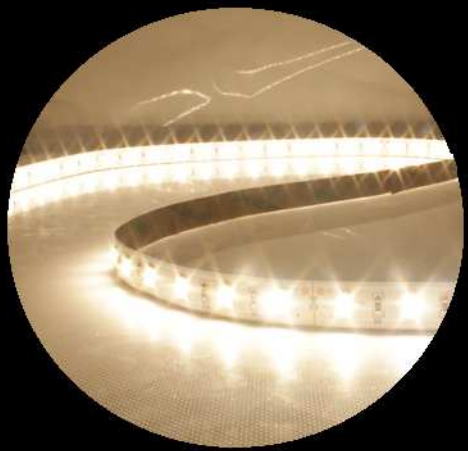
Ra>90

Ra>95

3 Year Warranty

CE

IP20



Product Feature

Super light source

High CRI 5730 flexible strip series, top quality Epistar chip 5730 SMD LEDs are used as light sources, which is with larger chips, by using high quality phosphor powder, which makes a nice lumen output and high CRI.

Double-faced soft FPC

GLU LED Strip light 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.

Super high 90+ & CRI 95+

While most LED strips on the market have about 70 CRI, we offer LEDs with up to 98 CRI, and the average level of 95 CRI, we also offer 90 CRI for choice, so that objects appear more vibrant, real, and visually appealing.

Different CRI for choice for different applications

For high CRI strip, both 90 CRI and 95 CRI are available, which can be choice for different applications.

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.

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Add: 4F, Bldg K, Zhixuanhan Industrial Area,Yuanling Community, Shiyan Town, Bao'an District, Shenzhen, P.R.China 518108

Technical parameters

Absolute Maximum Rating at TA=25℃

Parameter	Symbol	Absolute Maximum Rating		Unit
		FKN-60H	FKN-120H	
Forward Current	IF	850	1700	mA
Forward Voltage	VF	24		V
Viewing Angle	2θ 1/2	120		deg
Electrostatic discharge	ESD	400		V
Operating Temperature	Topr	-25～+60		℃
Storage Temperature	Tstg	-40～+80		℃

Electrical / Optical Characteristics at TA=25℃

Part No.	Color	CCT	Lumen Flux	LED Qty.	Working Voltage	Working Current	Power	CRI
FKN-60H	CW	5000-6000K	2010lm	60	DC24V	0.85A	20.4W	90
	NW	4000-4500K	1960lm					
	WW	2700-3000k	1800lm					
	CW	5000-6000K	1965lm					95
	NW	4000-4500K	1920lm					
	WW	2700-3000k	1760lm					
FKN-120H	CW	5000-6000K	4020lm	120	DC24V	1.7A	40.8W	90
	NW	4000-4500K	3920lm					
	WW	2700-3000k	3600lm					
	CW	5000-6000K	3930lm					95
	NW	4000-4500K	3840lm					
	WW	2700-3000k	3520lm					

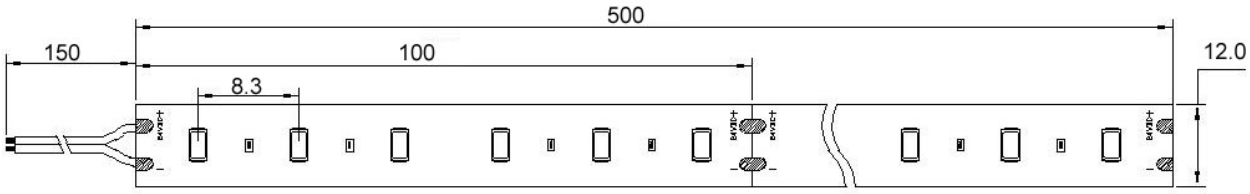
Note: 1. The lumen flux tolerance is ±5%;

2. Test Temperature (Ambient temperature: TA=25°℃)

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

Dimension Diagram

60LED/m



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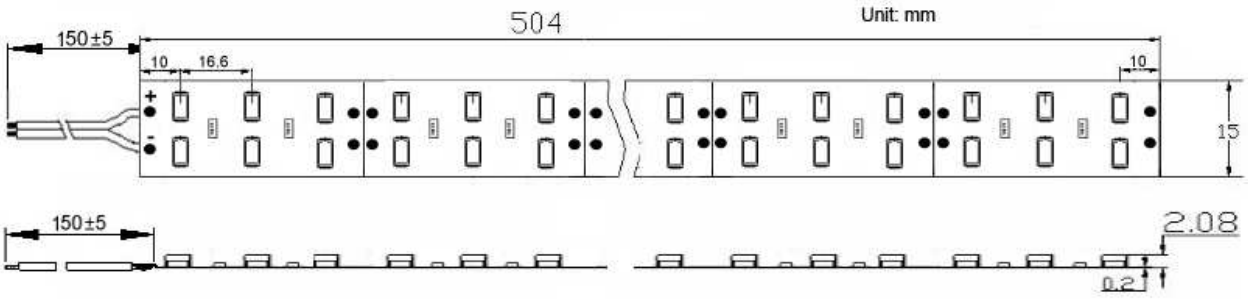
120LED/m



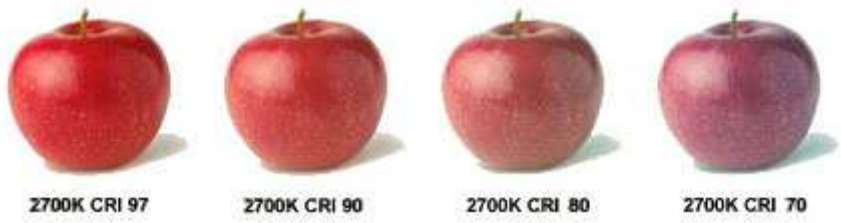
Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is ± 0.5mm unless otherwise noted

Details Information

WHAT IS HIGH CRI?

CRI (color rendering index) is a measure of how accurately a light source illuminates objects' true colors. Our LED lights have CRI values of up to 95, indicating that our LED lights are able to produce white light that approximates halogen or incandescent lighting and natural daylight.



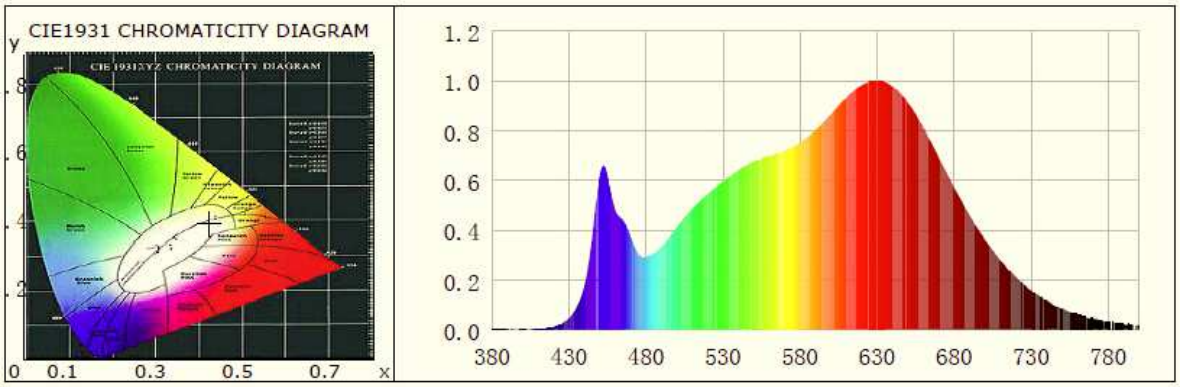
TEST REPORT

Warm white 3000-3500K

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4214 y=0.3953	u(u')=0.2442 v=0.3437 v'=0.5155
CCT: Tc=3208K (duv=-0.00119)	Color Ratio: R=0.237 G=0.728 B=0.034
Peak Wavelength: 630nm	Half Bandwidth: 173.9nm
Dominant Wavelength: 583.4nm	Color Purity: 0.451
CRI: Ri: Ra= 97.1	

R1 =99	R2 =99	R3 =97	R4 =98	R5 =98	R6 =97	R7 =96	R8 =95
R9 =85	R10=96	R11=98	R12=81	R13=99	R14=97	R15=97	



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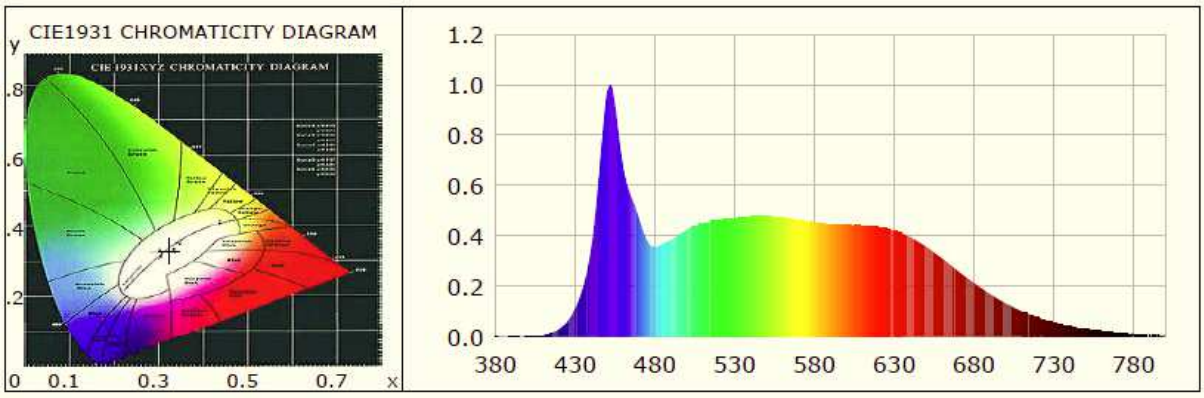
White 5000-5500K

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3241 y=0.3338 u(u')=0.2039 v=0.3150 v'=0.4725							
CCT: Tc=5896K (duv=0.00007)				Color Ratio: R=0.163 G=0.772 B=0.065			
Peak Wavelength: 452nm				Half Bandwidth: 25.5nm			
Dominant Wavelength: 493.4nm				Color Purity: 0.031			
CRI: Ri: Ra= 96.1							
R1 =95	R2 =97	R3 =92	R4 =95	R5 =94	R6 =98	R7 =97	R8 =95
R9 =94	R10=92	R11=94	R12=86	R13=97	R14=93	R15=95	



Connection Diagram

① LED Power Supply

② Power Cord, for AC input

③④ LED Strip, connected to output terminal, white -,white(gray)+

Notes:

1. **The strip must be installed in a ventilated place with good heat dissipation.**
2. 24V is suggested, please choose suitable power supply, power of power supply 20% higher than strip loaded is recommend;
3. Parallel connection is highly recommended, at most 8-10meter for series connection.

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Products Applications

High CRI full spectrum lighting can dramatically improve the appearance of objects, particularly in retail stores, shops, super-markets, museums, galleries and exhibits where red colors are prominent and presentation and appearance are critical. High CRI LED Lighting also has other applications in areas such as hospitals or textile industries where color differentiation is crucial in work performance. High CRI LEDs are ideal in locations where savings in energy consumption are desired, yet quality of light must be maintained.

- High-end indoor lighting
- Architectural Lighting
- Jewelry Lighting
- Showcase & Counter Lighting
- Photography & Filming Lighting

Safety Information

■ The SMD light ribbon itself and all its components may not be mechanically stressed. Assembly must not damage or destroy conducting paths on the circuit board.

■ Installation of LED light ribbon (with power supplies) needs to be comply with all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations. Correct electrical polarity needs to be observed. Wrong polarity may destroy the ribbon.

■ 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.

■ Please ensure that the power supply is of adequate power to operate the total load.

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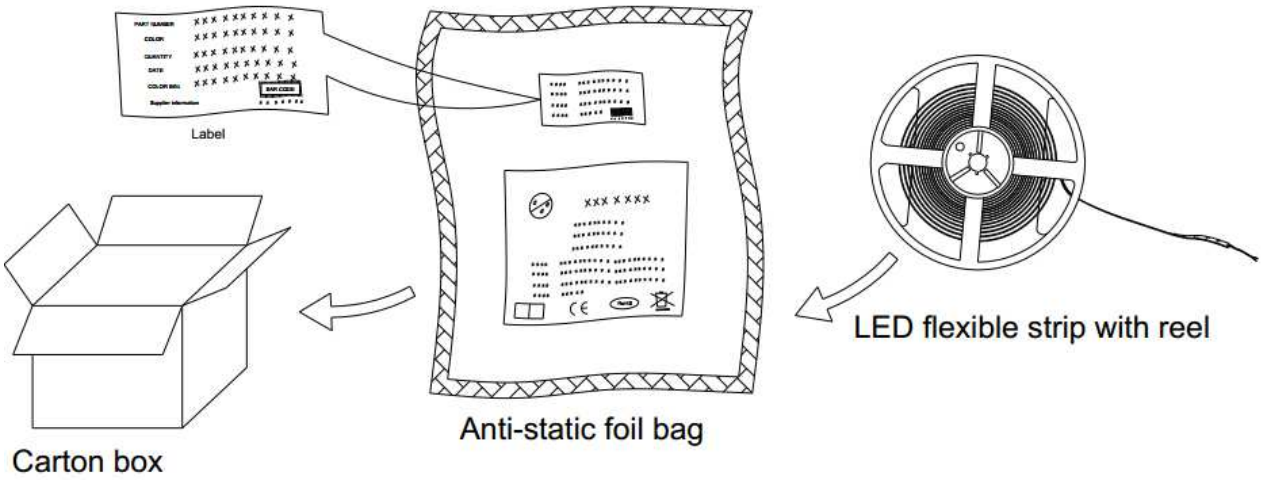
■ When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical insulated points between ribbon and the mounting surface.

■ Please pay attention to standard ESD precautions when installing the ribbon.

■ 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.

Packing Information



Contact Information

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