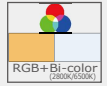


RGB+BI Color Flexible Strip

White Ra>80 & Ra>95



DC24V



120°
View angle



RoHS

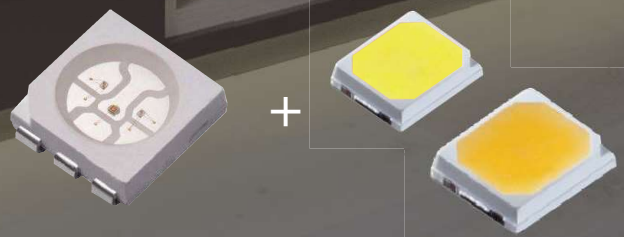


UL US
LISTED
495503



CRI
Ra>95
R1-R15>90

3 Years
Warranty



5050 RGB+2835 SMD



Colors

High CRI 5050 RGB+Bi-color LED Strip

Description



➤ Great light source

High brightness 5050 RGB SMD and 2835 SMD LED strip light are used as light sources, with high lumen, single LED upto 20lm, for white 7-8lm, which make the whole strip with high brightness.

➤ Double-faced FPC with thicker cooper layer

GLU LED Strip light use high tech. double-faced FPC with thicker copper layer, with thicker cooper layer(±2OZ), which ensure the good electrical conductivity and lower voltage drop.

➤ CUL/UL listed for DC24V Version

GLU LED strip light, full range DC24V with CUL/UL listed, CUL/UL file number E495503.

➤ Different colors & CCT for choice for different applications

GLU LED strip light, we offer RGB with cold white, warm white, standard warm white CCT range 2800K -3200K, White from 6300-6700K, and also special offer of CCT range is available for different applications.

➤ High CRI for white color

GLU RGB+Bicolor LED strip, for white color with high CRI>95, with full spectrum R1-R15 above 90, Rf>95, Rg>100 and TLCI>97, which will give you a true world and a idea choice for film and movie industrial.

➤ Special Design

For our 5050 RGB+Bi-color strip, we offer DC24V with 252LED/m(84pcs 5050 RGB+84pcs 2835 Tungsten +84pcs 2835 Daylight, which can be controlled by 5 channels controller to achieve different mixed color to achieve different effect.

➤ Environmental friendly

GLU LED strips are complied with 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 for non-waterproof version.

Technical Parameter

Absolute Maximum Rating at TA=25℃

Parameter	Symbol	Absolute Maximum Rating	Unit
LED Qty.	--	252 (each 84)	PCS
Forward Current	IF	1800	mA
Forward Voltage	VF	24	VDC
Typical CRI	Ra	Ra>95	--
View Angle	θ/2	120	°
Electrostatic discharge	ESD	400	V
Operating Temperature	Topr	-25 ~ +60	℃
Storage Temperature	Tstg	-40 ~ +80	℃

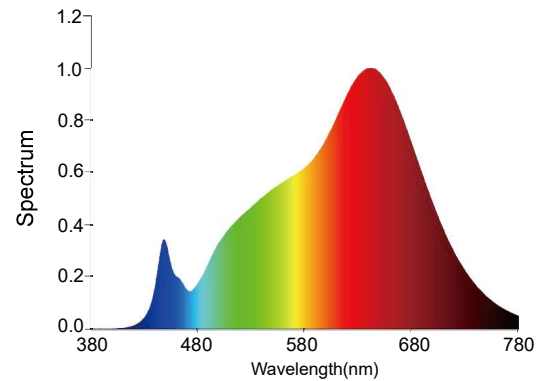
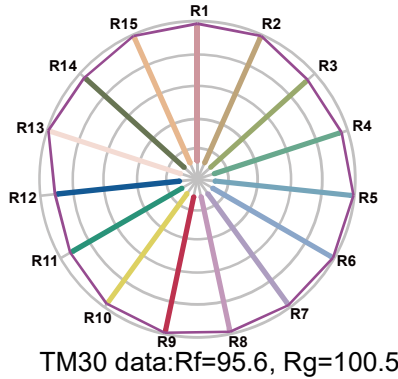
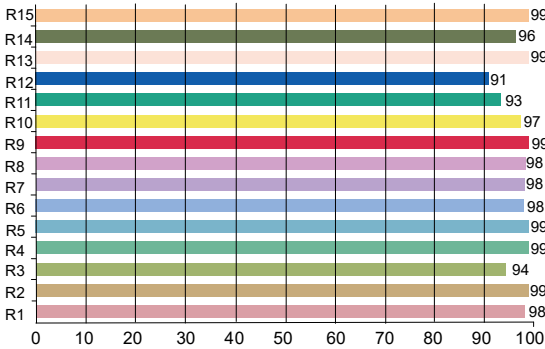
Typical Electrical / Optical Characteristics at TA=25°C

Part No.	Color	CCT(WLD)	Lumen Flux	CRI	Cutttable length	Voltage	Current	Power
GLU-SL0203FP252-24V (GLU-FBN-RGBBI-252)	Red	620-625nm	180lm	---	83.33mm	DC24V	1.8A	43.2W
	Green	520-525nm	300lm					
	Blue	465-470nm	115lm					
	White(Daylight)	6400-6700K	1510lm	Ra>95				
			1360lm					
		3100-3300K	1300lm	Ra>95				
Warm White (Tungsten)	2700-2900K	1150lm						

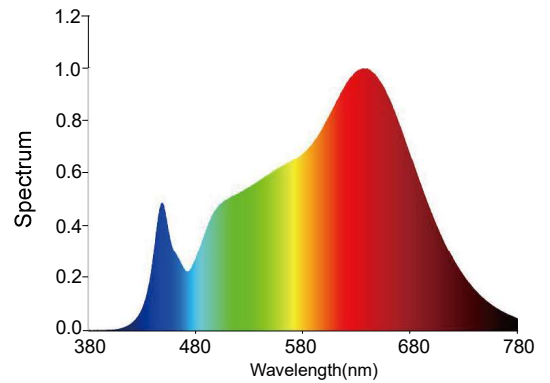
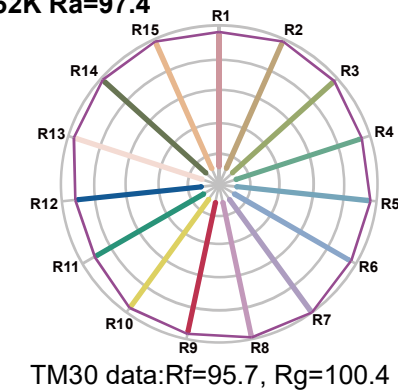
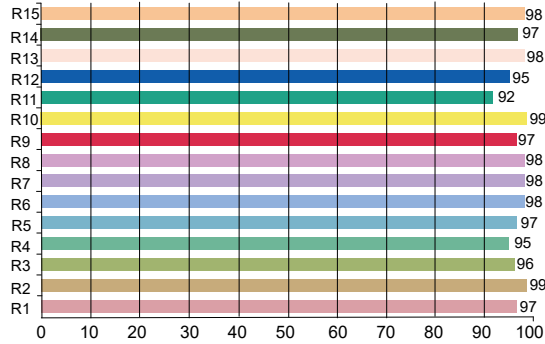
- Note: 1. The tolerance of lumen flux and power is $\pm 10\%$ due to difference for test equipment.
 2. The data above is based on 1 meters;
 3. The above Color temperature can be customized.

CRI & Spectrum chart

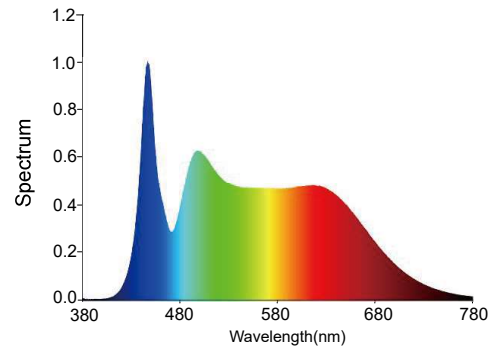
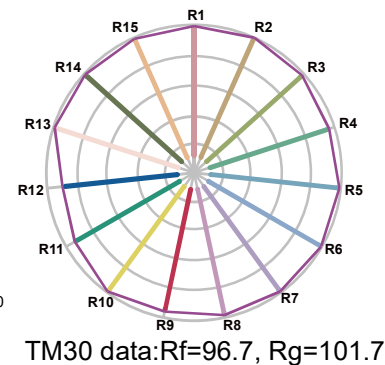
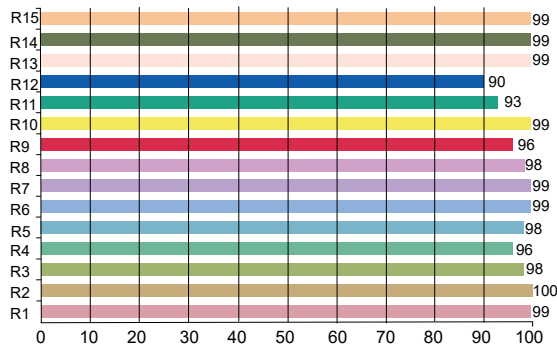
TUNGSTEN COLOR RENDERING INDEX 2787K Ra=97.7



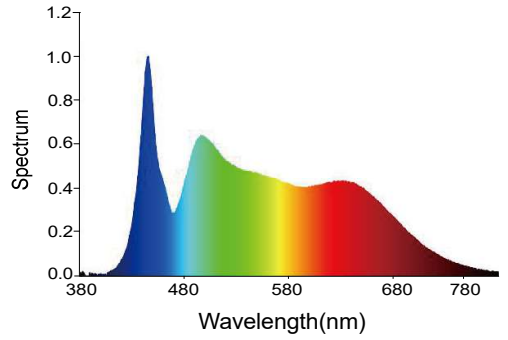
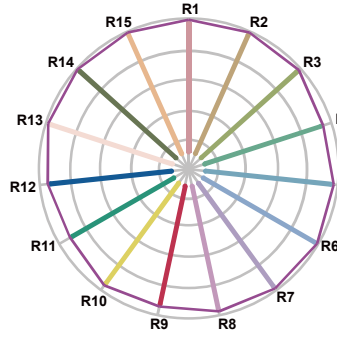
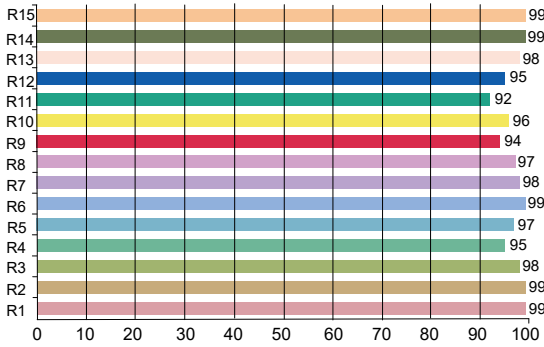
TUNGSTEN COLOR RENDERING INDEX 3152K Ra=97.4



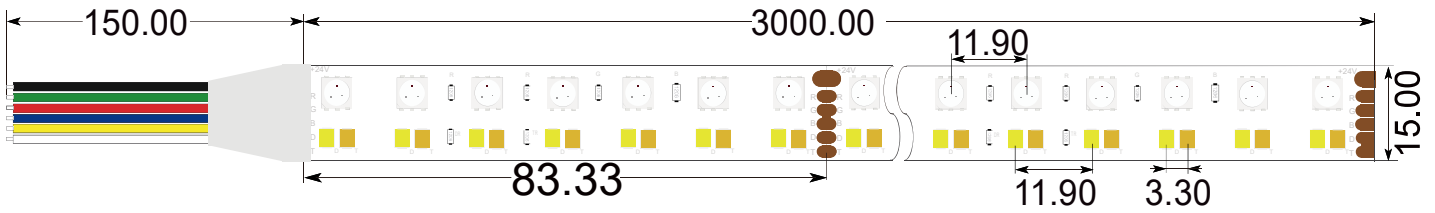
DAYLIGHT COLOR RENDERING INDEX 5646K Ra=98.3



DAYLIGHT COLOR RENDERING INDEX 6381K Ra=97.8



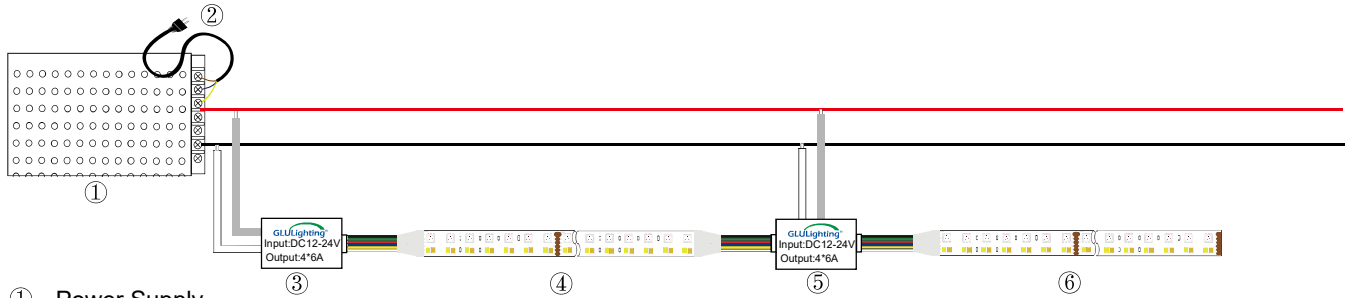
Dimension



Note: 1. All unite is mm;
2. All dimension with a standard tolerance;

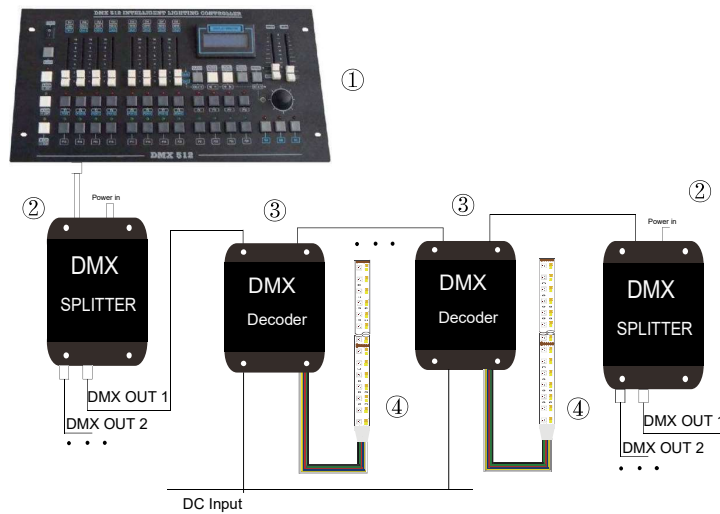
Connection Diagram

Normal 5 channels controller



- ① Power Supply
- ② Power cord, for AC input
- ③ RGBW Controller
- ④ ⑥ LED Strip, length according to power of the controller, connected to power supply + and - port, grey to + and white to -
- ⑤ 5channels Amplifier

DMX



- ① DMX console
- ② DMX Splitter
- ③ DMX Decoder
- ④ LED Strip

Notes: 1. The strip must be installed in a ventilated place with good heat dissipation;
2. Please do 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.

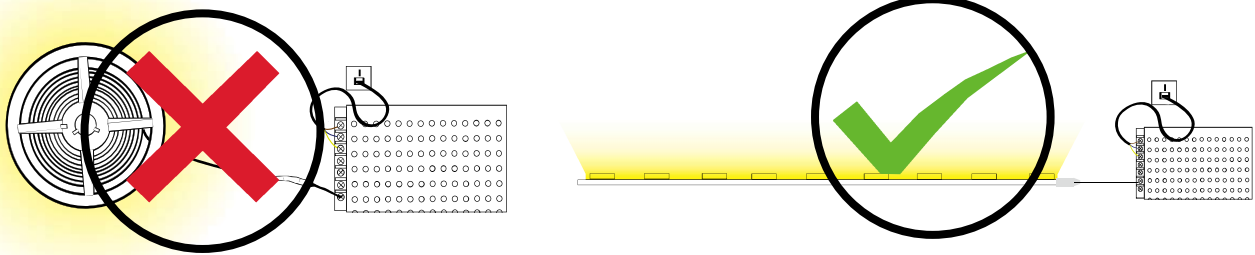
Applications

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. High CRI 95 RGB+Bi color series, are suitable for film and photography industrial.



Safety Information

- The SMD light ribbon itself and all its components may not be mechanically stressed. Installation must not damage or destroy conducting paths on the circuit board.
- Do not light on for long time while the strip is rolled, due to the high power for the strip.

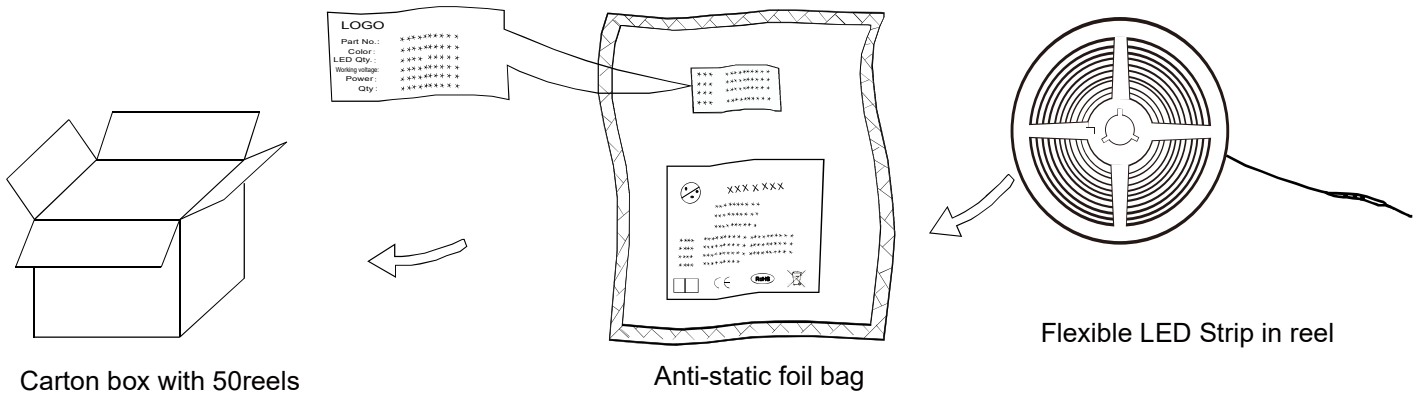


- Installation of LED light ribbon (with power supplies) needs to be comply with all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations. Correct electrical polarity needs to be observed. Wrong polarity may destroy the ribbon.
- Parallel connection 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.
- 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 acidity, alkaline and other harmful elements.

The strip must installed in a place with good heat dissipation condition. Do never installed the strip impending or or inflammables.



Packing Information



Contact Information

If any problem while using our strip, or interesting for more products, please do not hesitate to contact our sales as below:

Company Name: Shenzhen GLU Lighting Co., Ltd.

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E-mail: sales@glu-light.com

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