

Datasheet for Single Row Flexible Strip



 DC12V/
 DC24V
 White
 (2000K-10000K)


 Nonwater-
 proof


 120°
 View angle

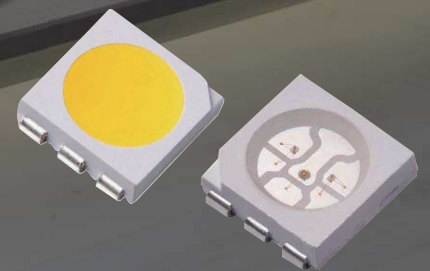

RoHS


UL US
 LISTED
 (Pending)


 Class III


3 Years
 Warranty

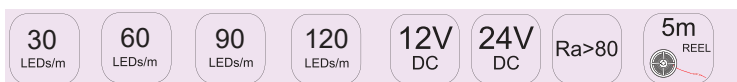
CRI
Ra>80



5050 SMD

High Brightness 5050 SMD LED Strip

Description



➤ Great light source

High brightness 5050 SMD LED strip light, top quality 5050 SMD LEDs are used as light sources, with high lumen, single LED 22-24lm which make the whole strip with high brightness.

➤ Double-faced FPC with thicker cooper layer

GLU 5050 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, however for many other suppliers they use single faced soft PCB.

➤ 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.

➤ Different colors & CCT for choice for different applications

GLU LED strip light, we offer cold white, natural white, warm white with CCT range from 2000K-12000K, also red, green, blue, amber(yellow), and some other special colors like pink, orange, UVA, IR available as special offer 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 for waterproof version.

Technical Parameter

Absolute Maximum Rating at TA=25 °C

Parameter	Symbol	Absolute Maximum Rating				Unit
LED Qty.	--	30	60	90	120	PCS
Forward Current	IF	540/320	1080/540	1620/970	1080	mA
Forward Voltage	VF	12/24			24	VDC
CRI	Ra	Ra>80				--
View Angle	--	120				°
Electrostatic discharge	ESD	400				V
Operating Temperature	Topr	-25 ~ +60				°C
Storage Temperature	Tstg	-40 ~ +80				°C

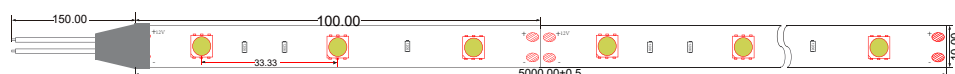
Typical Electrical / Optical Characteristics at TA=25 °C

Part No.	Color	CCT(WLD)	Lumen Flux	CRI	Voltage	Current	Power
GLU-FBN-W-30	White	5000-6000K	650lm	Ra>80	DC12V	0.54A	6.48W
GLU-FBN-NW-30	Natural white	4000-4500K	630lm				
GLU-FBN-WW-30	Warm white	2800-3200K	590lm				
GLU-FBN-R-30	Red	620-625nm	130lm	---			
GLU-FBN-G-30	Green	520-525nm	260lm				
GLU-FBN-B-30	Blue	465-470nm	84lm				
GLU-FBN-Y-30	Yellow	585-590nm	125lm	---			
GLU-FBN-RGB-30	Red	620-625nm	60lm				
	Green	520-525nm	145lm				
	Blue	465-470nm	40lm				
GLU-FBN-W-60	White	5000-6000K	1300lm	Ra>80	DC12V/ DC24V	1.08A/ 0.54A	13W
GLU-FBN-NW-60	Natural white	4000-4500K	1260lm				
GLU-FBN-WW-60	Warm white	2800-3200K	1180lm				
GLU-FBN-R-60	Red	620-625nm	260lm	---			
GLU-FBN-G-60	Green	520-525nm	520lm				
GLU-FBN-B-60	Blue	465-470nm	165lm				
GLU-FBN-Y-60	Yellow	585-590nm	250lm	---			
GLU-FBN-RGB-60	Red	620-625nm	120lm				
	Green	520-525nm	290lm				
	Blue	465-470nm	80lm				
GLU-FBN-W-90	White	5000-6000K	1950lm	Ra>80	DC12V/ DC24V	1.6A/ 0.96A	19.2W
GLU-FBN-NW-90	Natural white	4000-4500K	1890lm				
GLU-FBN-WW-90	Warm white	2800-3200K	1770lm				
GLU-FBN-R-90	Red	620-625nm	390lm	---			
GLU-FBN-G-90	Green	520-525nm	780lm				
GLU-FBN-B-90	Blue	465-470nm	250lm				
GLU-FBN-Y-90	Yellow	585-590nm	375lm	---			
GLU-FBN-RGB-90	Red	620-625nm	180lm				
	Green	520-525nm	430lm				
	Blue	465-470nm	120lm				
GLU-FBN-W-120	White	5000-6000K	2600lm	Ra>80	DC24V	1.08A	26W
GLU-FBN-NW-120	Natural white	4000-4500K	2520lm				
GLU-FBN-WW-120	Warm white	2800-3200K	2360lm				
GLU-FBN-R-120	Red	620-625nm	520lm	---			
GLU-FBN-G-120	Green	520-525nm	1040lm				
GLU-FBN-B-120	Blue	465-470nm	330lm				
GLU-FBN-Y-120	Yellow	585-590nm	500lm	---			
GLU-FBN-RGB-120	Red	620-625nm	240lm				
	Green	520-525nm	580lm				
	Blue	465-470nm	160lm				

Note: 1. The lumen flux tolerance is $\pm 10\%$ due to difference for test equipment.
2. The data above is based on 1 meters;

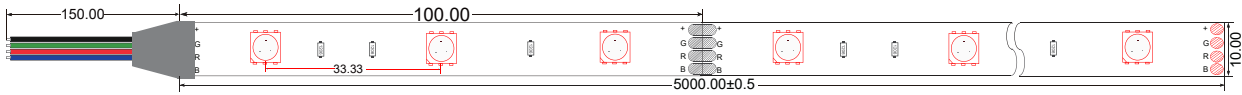
Dimension

60leds/m single color DC12V

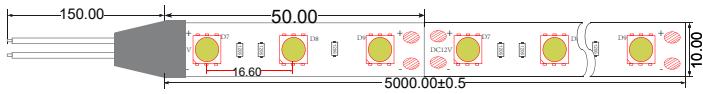




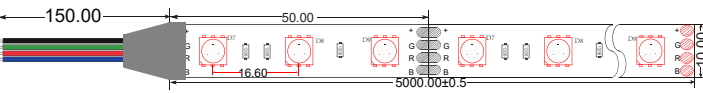
30leds/m RGB DC12V



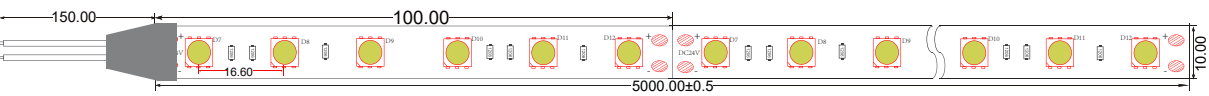
60leds/m Single color DC12V



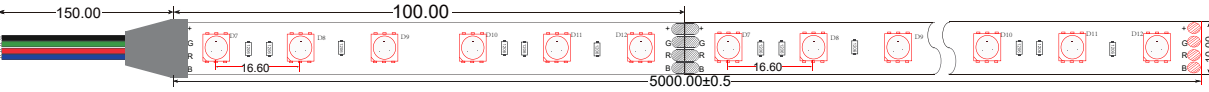
60leds/m RGB DC12V



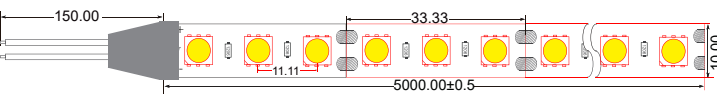
60leds/m Single color DC24V



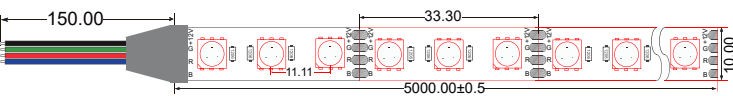
60leds/m RGB DC24V



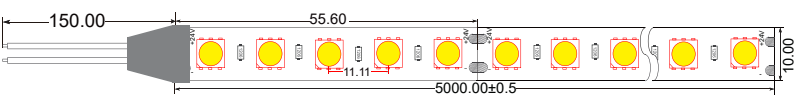
90leds/m Single color DC12V



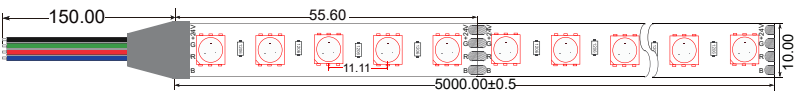
90leds/m RGB DC12V



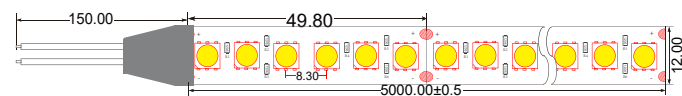
90leds/m Single color DC24V



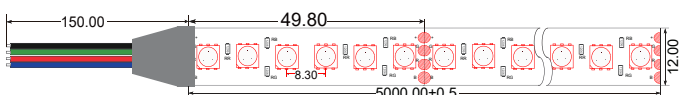
90leds/m RGB DC24V



120leds/m Single color DC24V

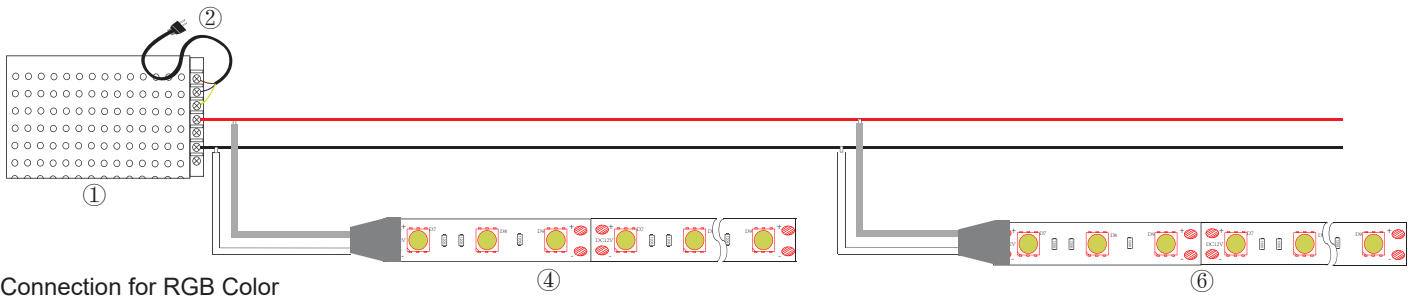


120leds/m RGB DC24V

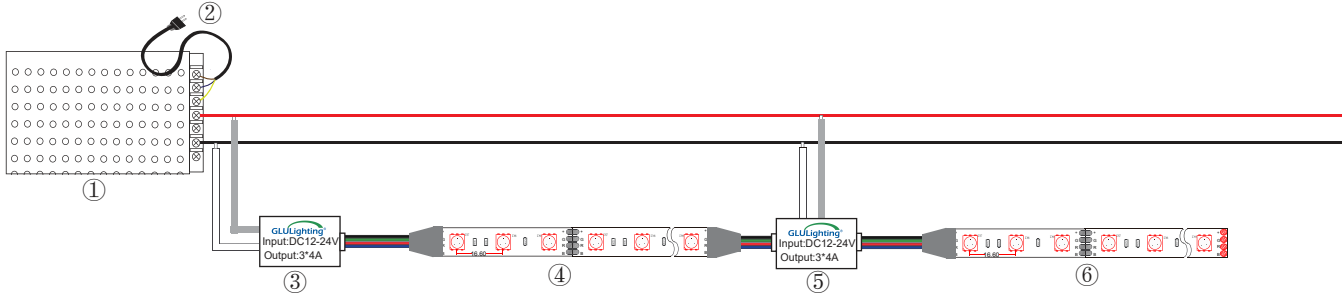


Connection Diagram

Connection for Single Color



Connection for RGB Color

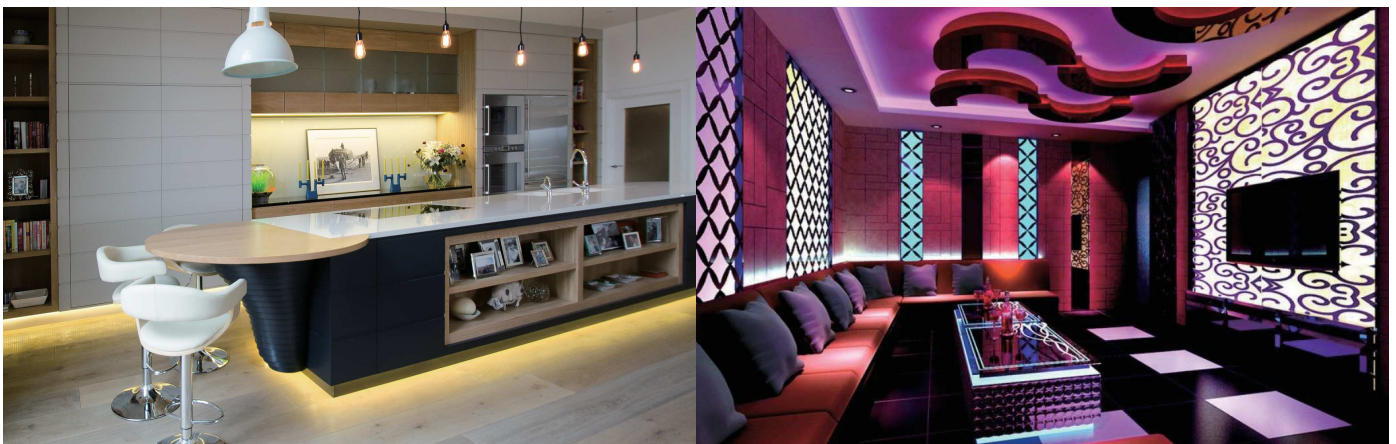


- ① Power Supply
- ② Power cord, for AC input
- ③ RGB Controller
- ④ ⑥ LED Strip 5-8 meter, connected to power supply + and - port, grey to + and white to -
- ⑤ RGB Amplifier

- 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.



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.
- 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.

12V/24VDC

IP20



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.

Company Add: 4F, Bldg B, Lehuahang Industry area, Kengwei AV., Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen City, Guangdong Province, P.R.China

Tel:+86-755-23708101/23708102

Fax:+86-755-29236521

E-mail: sales@glu-light.com

<http://www.glu-light.com>

<http://glu-light.en.alibaba.com>

<http://glulightstrip.com>

glu-light.com

+86-13510557545

+86-13510557545

+86-13510557545

@VictorGuo6

sales@glu-light.com

sales@glu-light.com

helenluo847@gmail.com

