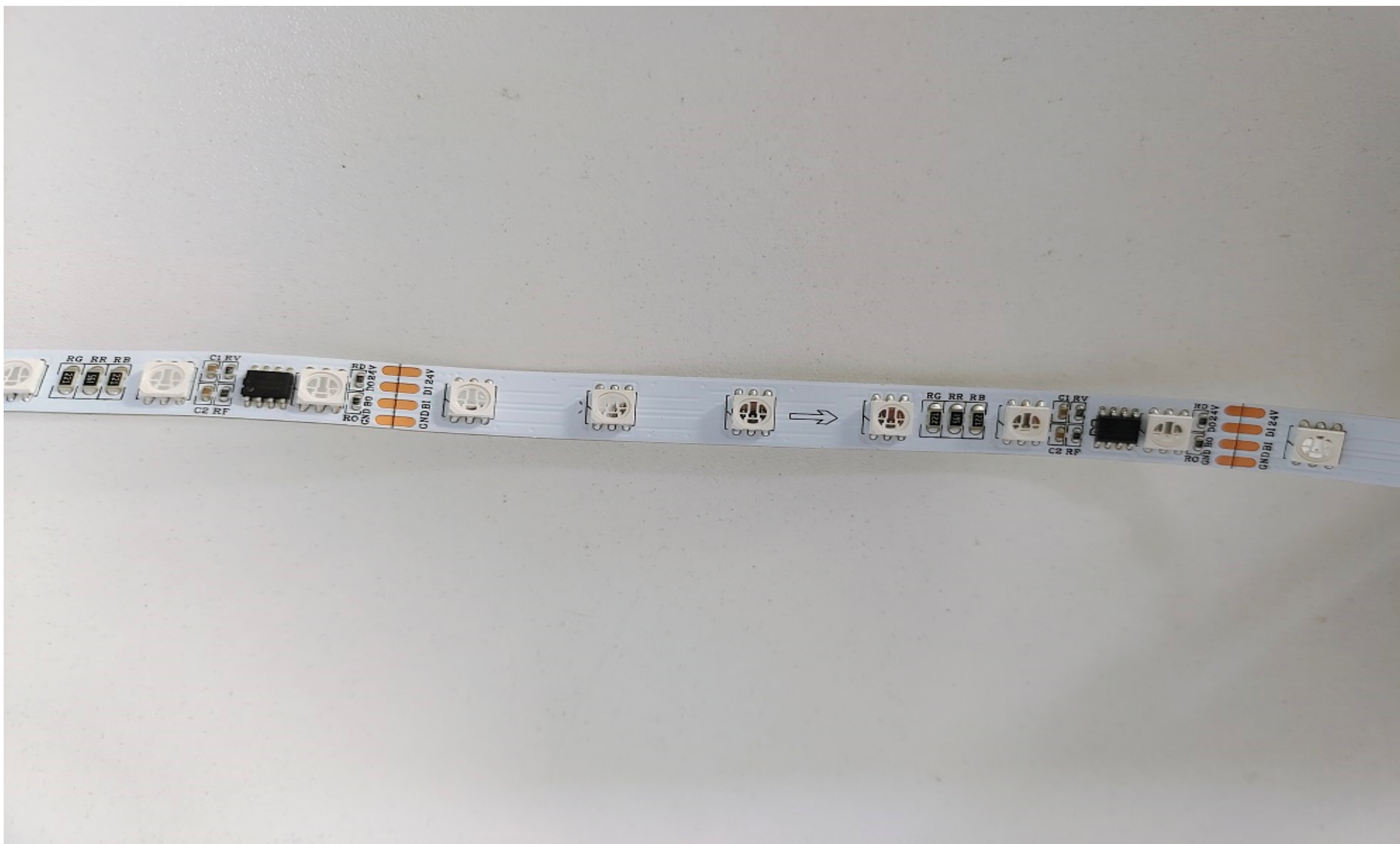




Rose Lighting

Model: RL-STR-LB1934A -5050RGB-60- 24V



<https://www.rose-lighting.com> TEL:0755-23763467 Phone:008618675649004 Email:info@rose-lighting.com

Add: No.53 Yuexing Rd, Guanlan Street ,Longhua District,Shenzhen, China 518110



Advantages

1. PWM refresh rate: 1.2kHz, transfer speed 800k bps
2. It comes in 1 meters per reel with 4Pin female/male JST SM connector on both end and separated Power / Ground Wires . Customized length is workable .
3. 24V (6leds one IC with 24V)
4. 2unce PCB boardwith double cooper layer(hongqi brand 3535 copper)
5. double sides membrane cover the pcb board. make sure the copper no drop from the pcb board
6. Flexible PCB material . ever 6 LEDcan be cut with 24V,
7. 60 leds per meter . 24V low voltage inputted , don't over 25V , otherwise you will destroy the entire strip .
8. Controller System-SD controller , DMX controller , Artnet and so on .(SPI protocol)
9. Installing : screw+silicon clip and 3M adhesive on back side for sticky

Technical Parameters

Part NO	RL-STR-LB1934A-5050RGB-60- 24V
Lighting Source	5050 RGB led
Beam Angel	120 degree
Operate Voltage	DC24V
Consumption Watt/M	14.4 Watt per meter (max)
FPCB quality	2 ounce Double layer 3535 Copper
LED quantity /M	60 leds per meter
Luminance (mcd)	2100MCD for one RGB 5050 led
IC chip	LB1934A 10pixels/24V
Cable	AWG20 with 10cm long
Plug	4pin SM JST Female and male connector
Waterproof Grade	IP20/65/67/68
Packaging	5m/reel
warranty	2 years

There is 4Pin JST SM female/male connector on both end for signal input/output and power inputs at ends

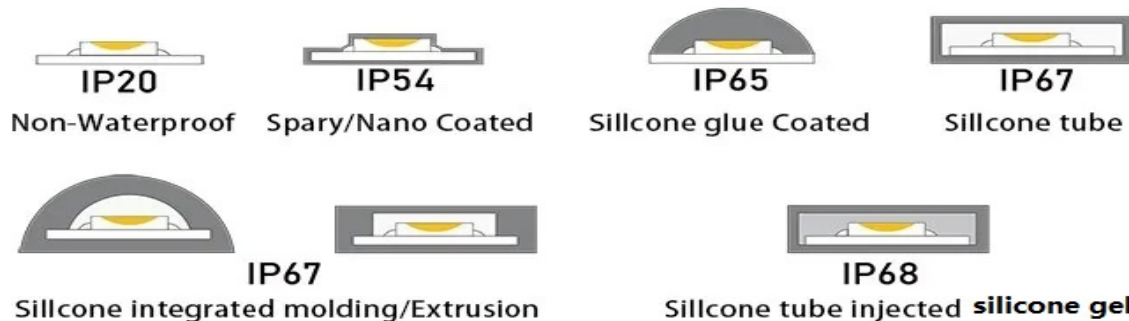
Signal Input: Female Signal output:Male

Red : +24V ; Green: Data 1 Blue:Data2 white:GND



GND DI BI VCC

IP rating



waterproof Type

IP20 Non-waterproof with 3M sticker on the back, Size:5000*10*2.5mm

IP65 waterproof is silicone gel on the surface,Size:5000*10*3mm

IP67: silicone tube,Size:5000*12*4mm

IP68: silicone gel inside silicone tube.Size:5000*12*4mm

Test Report

Certifications

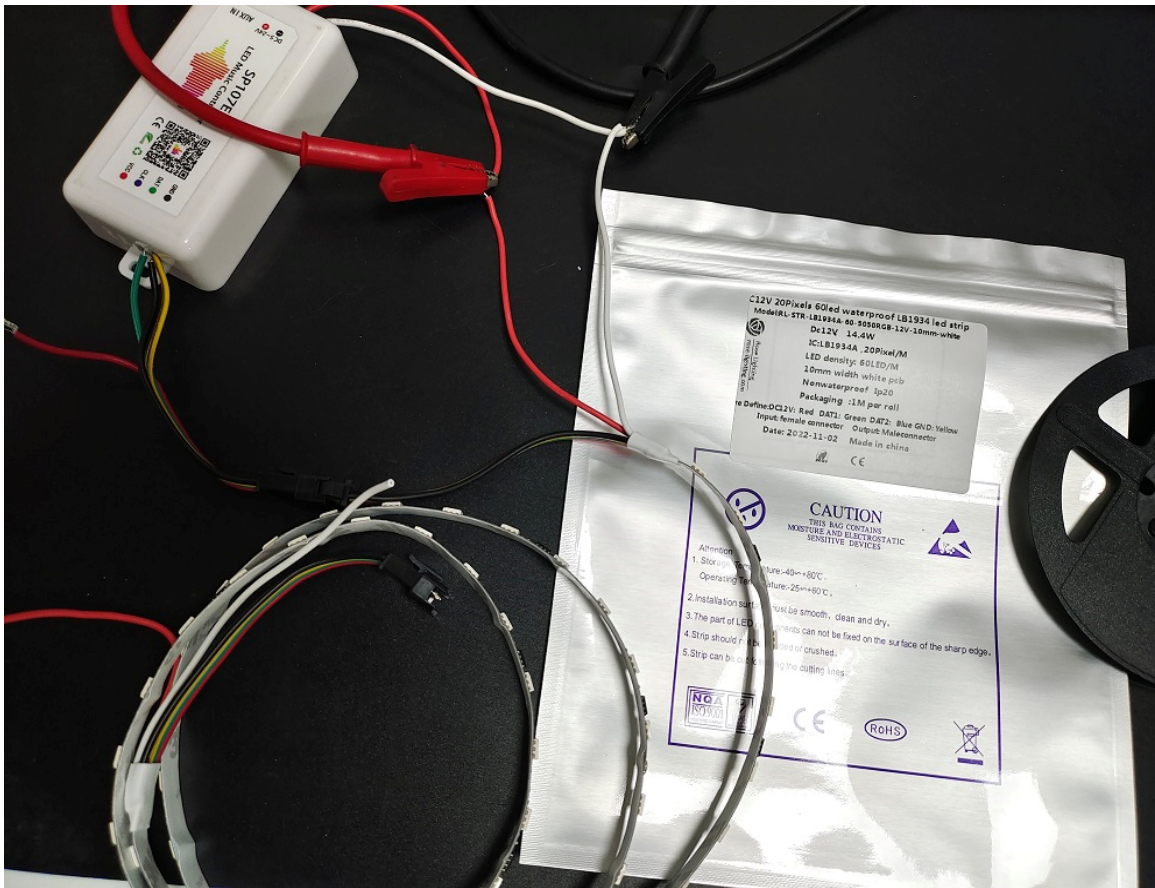
5. Characteristics 主要光电参数

Items 项目	Symbol 符号	Condition 条件	Values 数值			Unit 单位
			R	G	B	
Wavelength at peak emission 峰值波长	λ_{peak}	$I_F = 20mA$	625	525	470	nm
Dominant wavelength 主波长	λ_{dom}	$I_F = 20mA$	620~630	520~530	465~475	nm
Forward voltage 正向电压	V_F (Avg)	$I_F = 20mA$	2.0	3.2	3.2	V
	V_F (Max)		2.4	3.6	3.6	
Luminous Intensity 发光强度	I_V (Avg)	$I_F = 20mA$	850	1900	---	mcd
		$I_F = 15mA$	---	---	350	
Reverse current (Max) 反向电流	I_R	$V_R = 5V$	10	10	10	μA
50% Power Angle 视角	$2\theta_{1/2}$	$I_F = 20mA$	110	110	110	Deg.

Note 注:

Tolerance公差: $V_F \pm 0.05V$, $\Phi_F \pm 10\%$, $\lambda_{dom} \pm 1nm$.

Wiring Chart

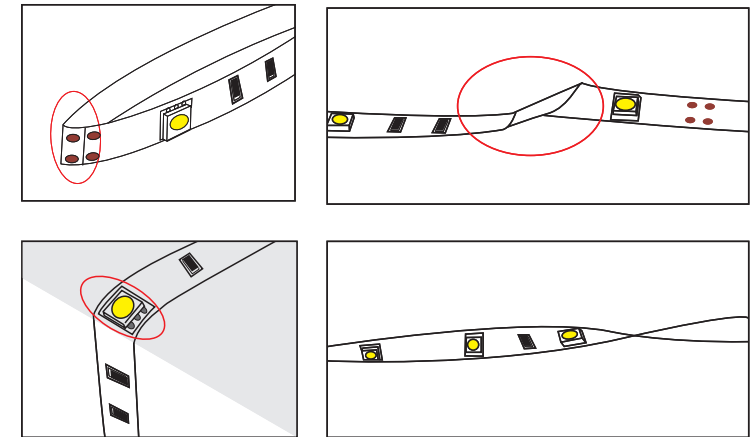


Note:

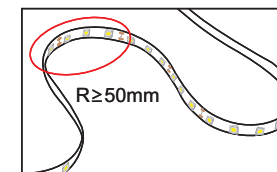
- 1.One Aluminum Foil Bag for one roll of LED strip, 5M/roll.
- 2.All the packaging materials are RoHS standard.
- 3.Heavy stuff are not allow to be loaded above the packaging box.

⚠ Cautions:

- When install the led strip , please note the installation technique. The led strip can be bent, but not distorted, as shown below:



Distortion(Wrong)



Bend(Right)

- LED strips are low voltage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC110 or AC220V, otherwise it will burn out the LED strips.
- Clean up the installation surface, it will ensure the reliability of the adhesive.
- The electrical connection process must be operated by a professional person.

Package

