



Rose Lighting

Model: RL-STR-LB1934A -2835RGB-120-20P-24V-8nm



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Advantages

1. PWM refresh rate: 1.2kHz, transfer speed 800k bps
2. It comes in 1 meters per reel with 3Pin 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. 120 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

Specification

Item	RL-STR-1934-2835RGB-20P-120-24V
LED Quantity	120leds/m
PCB thickness	8mm width,2 ounce copper(35um thickness)
PCB Color	White PCB ,Black PCB
IC type	LB1934A (SPI protocol ,same work as ws2811,ws2815)
cutting unit	5cm
IP Rating	IP20/IP65/IP67/IP68
Connector	3PIN JST-SM connector
Control Model	SPI control
Controller	T1000s/K1000c/H807SA/Arduino/Glediator/DMX/Artnet/Raspberry
Product Keywords	1934A pixel led stirp ,2835 RGB led strip

There is 3Pin JST SM female/male connector on both end for signal input/output and power inputs at ends

Signal Input: Female Signal output:Male

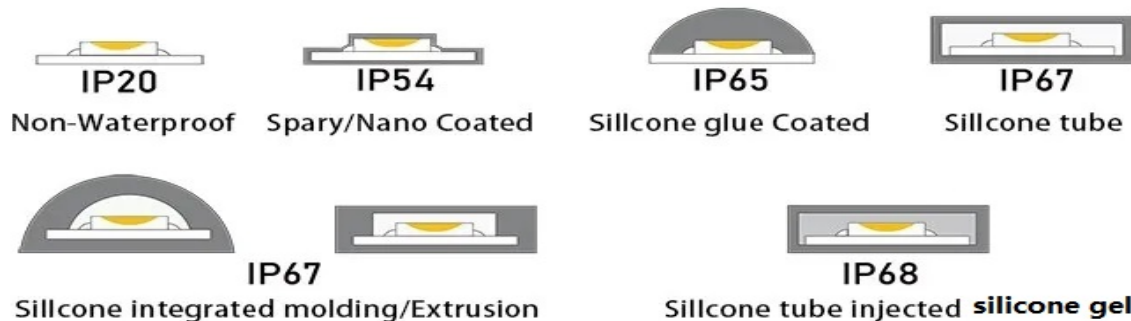
Red : +24V ; Green: Data white:GND



GND DI BI VCC

- 1)Brightness >2100mcd 2835 RGB led lamp with copper bracket and gold wire
- 2) 2OZ pure copper PCB board with 8mm width -10meter long no voltage drop
- 3)Double membrane covering the FPCB board ,good protection,
- 4) Standard SPI protcel: 1934lc chipset -dual signal .
- 5)cutting unit:every 6led (50mm),
- 7) Dc24V 14.4.W/meter (max),
- 8) LED density: 120pcs RGB 2835 LED per meter ,
- 9) controller system: artnet or offline or online led controller

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

光电特性 Electro-optical characteristics				(T _A =25℃)			
参数 Parameter	符号 Symbol	测试条件 Test Condition	发光颜色 Emitted Color	数值 Value			单位 Unit
				Min	Typ	Max	
主波长 Dominant Wavelength	λ _d	I _F =20mA	R	620	----	630	nm
			G	515	----	530	
			B	455	----	470	
正向电压 Forward Voltage	V _f	I _F =20mA	R	1.8	----	2.4	V
			G	2.8	----	3.4	
			B	2.8	----	3.4	
发光强度 Luminous Intensity	I _V	I _F =20mA	R	500	----	650	mcd
			G	1000	----	1500	
			B	300	----	400	
角度 Viewing Angle	----	----	2θ1/2	----	120	----	deg
反向电流 Reverse Current		V _R =5V	IR	----	----	10	μA

6、波段分档 Wavelength Groups (I_F=20mA, T_A=25℃)

红光 Red	Rank	E	F	G
	WLD	615-620	620-625	625-630
绿光 Green	Rank	E	F	G
	WLD	515-520	520-525	525-530
蓝光 Blue	Rank	H	I	J
	WLD	455-460	460-465	465-470

Certifications



Wiring Chart

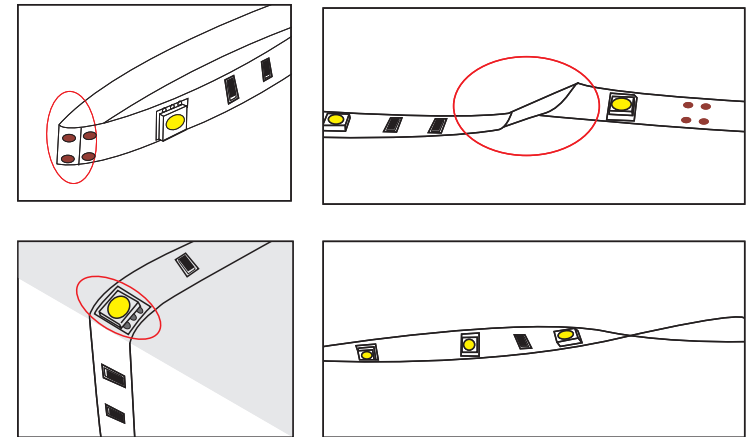


Note:

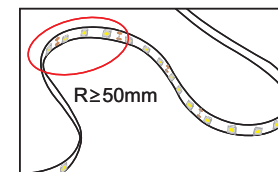
1. One Aluminum Foil Bag for one roll of LED strip, 5M/roll.
2. All the packaging materials are RoHS standard.
3. Heavy stuff are not allow to be loaded above the packaging box.

⚠ 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

