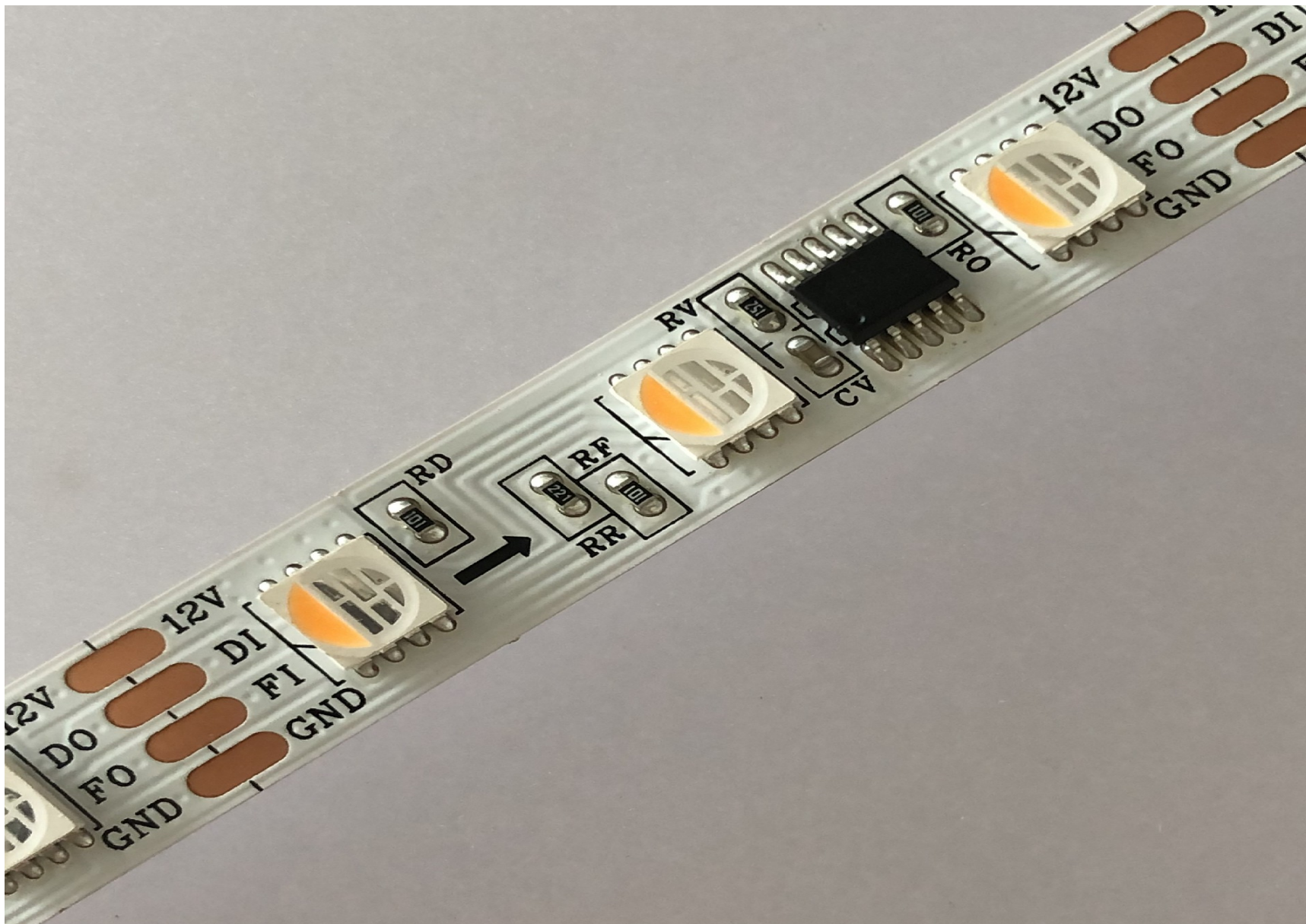




Rose Lighting

Model: RL-STR-TM1834-5050RGBW-60-12V



<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. **No** voltage drop. 15meters with two side connect to the power . bec we use **10** mm width with 2 OZ pure copper PCB Board.
2. Super easy to install , save much wires cost, labor costs and time .
3. **Dual signal, one pixel broken ,no affect next one working!**
4. epistar 5050 RGB led ,60pcs per meter ,each led has Pure copper bracket and pure gold wire inside ,each led has High brightness>2100mcd **CCT for white :3000K 4000k 6000K optional**
5. Double membrane covering the FPCB board, good protection
6. SPI control : **TM1834** chipset (same work as ws2811, ect)
7. 3 led (5cm) as one cutting part, ect....
8. **Strong signal Signal transmission, can make 10meter long distance.**



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. 12V (3leds one IC with 12V)
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 3 LEDcan be cut with 12V,
7. 60 leds per meter . 12V low voltage inputted , don't over 13V , 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

Model: RL-STR-TM1834-5050RGBW-60-12V

Part NO	RL-STR-TM1834-5050RGBW-60-12V
Lighting Source	Sanan 5050RGB +W LED
Beam Angel	120 degree
Operate Voltage	DC12V
Consumption Watt/M	19.2 Watt per meter
PCB quality	Double layer 35um Copper
LED quantity /M	60 leds per meter
Luminance (mcd)	2100MCD for one RGB 5050 led +white >7lm
IC chip	Ws2814
Cable	AWG20
Plug	4pin female and male connector
Waterproof Grade	IP20/65/67/68
Control	SPI /TTL control
warranty	2years

There is 4 Pin JST SM female/male connector on both end for signal input/output

Input: Female Connector output : male Connector



GND DI BI VCC

+Dc12V: Red
Data1: Green
Data2: Blue
GND: White

IP rating



IP20

Non-Waterproof



IP54

Sprary/Nano Coated



IP65

Sillcone glue Coated



IP67

Sillcone tube



IP67

Sillcone integrated molding/Extrusion



IP68

Sillcone tube injected **silicone gel**



Electrical / Optical Characteristics at Ts=25°C 电性与光学特性

Item 项目	Symbol 符号		Test Condition 测试条件	Value			Unit 单位
				Min.	Max.	Typ.	
Forward Voltage	VF	R	IF=20mA	2.00	2.20	—	V
				2.20	2.40	—	V
				2.95	3.20	—	V
		G		3.20	3.45	—	V
				3.00	3.20	—	V
		B		3.20	3.40	—	V
			W1(2400K)	IF=20mA	2.70	2.95	—
		W2(6500K)			2.70	2.95	—
Luminous Intensity/flux	IV	R	IF=20mA	800	1200	—	mcd
		G		1400	2200	—	mcd
		B		350	560	—	mcd
		W1(2400K)		5.5	8.0	—	lm
		W2(6500K)		7.0	9.5	—	lm
				Dominant Wavelength	WLD	R	IF=20mA
G	518.0	523.0	—			nm	
B	465.0	470.0	—			nm	
Reverse Current	R	IR	VR=5V			—	
	G	IR	VR=5V	—	10.0	—	uA
	B	IR	VR=5V	—	10.0	—	uA
	W1(2400K)	IR	VR=5V	—	10.0	—	uA
	W2(6500K)	IR	VR=5V	—	10.0	—	uA
	Viewing Angle	R	2θ1/2	IF=10mA	—	—	121
G		—			—	123	Deg
B		—			—	120	Deg
W1(2400K)		—			—	114	Deg
W2(6500K)		—			—	117	Deg
Color Rendering Index		W1(2400K)			Ra	IF=20mA	80.0
	W2(6500K)	Ra	IF=20mA	80.0	—	—	—

Certifications

Intertek AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple later models(s) identified on the correlation page of the Listing Report. This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Shenzhen Shinesky Optoelectronics Co., LTD
Address: 2F, H1 Building, Hongfa Hi-tech Park, Tangliu, Shiyuan Town, Baoan District, Shenzhen, Guangdong
Country: China
Contact: Bin Wu
Phone: +86-755-29116235
FAX: +86-755-29116235
Email: man@shinesky.com

Manufacturer: Shenzhen Shinesky Optoelectronics Co., LTD
Address: 2F, H1 Building, Hongfa Hi-tech Park, Tangliu, Shiyuan Town, Baoan District, Shenzhen, Guangdong
Country: China
Contact: Bin Wu
Phone: +86-755-29116235
FAX: +86-755-29116235
Email: man@shinesky.com

Party Authorized To Apply Mark: Intertek Testing Services Shanghai

Control Number: 5000906 **Authorized by:** Thomas A. Parnell, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Standard(s): Low Voltage Lighting Systems - IESNA C22 2 No 9.9 (Issued: 1999/06/01 Ed. 1 (2011), with Cor. 1, 1997, Cor. 2, 1999)
Product: Low Voltage Lighting LED Strip
Model: RL-STR-TM1834-5050RGBW-60-12V

ATM for Report 1503064901-001 Page 1 of 1 ATM Issued: 21 May 2015

CERTIFICATE of Conformity
 EC Council Directive 2004/108/EC
 Electromagnetic Compatibility

Registration No.: AE 50329836 0001
Report No.: 17055806 001

Holder: Shenzhen Shinesky Optoelectronics Co., LTD
 2F, H1 Building, Hongfa Hi-tech Park, Tangliu, Shiyuan Town, Baoan District, Shenzhen City 518108, P.R. China

Product: LED Strip

Identification: Type designation: RL-STR-TM1834-5050RGBW-60-12V
 ("s", "y", "x", "a" are variables, refer to report for details)
 Serial No.: N/A
 Remark: Refer to test report 17055806 001 for details.

Tested acc. to: EN 55014:2013
 EN 55015:2009

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex 1 of Council Directive 2004/108/EC. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of this certificate is authorized to use this certificate in connection with the EC Declaration of conformity according to the a.m. Directive.

Date: 15.01.2018 **Dipl.-Ing. Ulf S. G. Stübke**
 TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with.

SGS Test Report No. NTL1401106171041 Date: FEB 18, 2016 Page 1 of 4

SHENZHEN SHINESKY OPTOELECTRONICS CO., LTD
 2F, H1 Building, Hongfa Hi-tech Park, Tangliu, Shiyuan Town, Baoan District, Shenzhen, Guangdong, P.R. China

This report represents the test results of the product described in the test report number NTL1401106171041. The following sample were submitted and identified by the client as:

Test Requested: SEE ATTACHMENT
Sample: JAN 07, 2016
Sample: FEB 18, 2016
Testing Period: JAN 07, 2016 TO JAN 18, 2016

Test Requested: European Norm Directive 2011/65/EU Annex II, including 2002/95/EC
Concluded: PASS

FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)

Signed for and on behalf of: SGS-CSTC Technical Services Co., Ltd.
 Shenzhen Branch-TÜV Laboratory

Party Testing/audit/observer: Technical Manager

SGS CERTIFICATE CH103026

The management system of **SHENZHEN SHINESKY OPTOELECTRONICS CO., LTD.**
 2F, H1 Building, Hongfa Hi-tech Park, Tangliu, Shiyuan Town, Baoan District, Shenzhen, Guangdong, P.R. China
 United Social Credit Code 514030301681034

has been assessed and certified as complying with the requirements of **ISO 9001:2015**

For the following activities:
 Design and manufacture of LED strip products

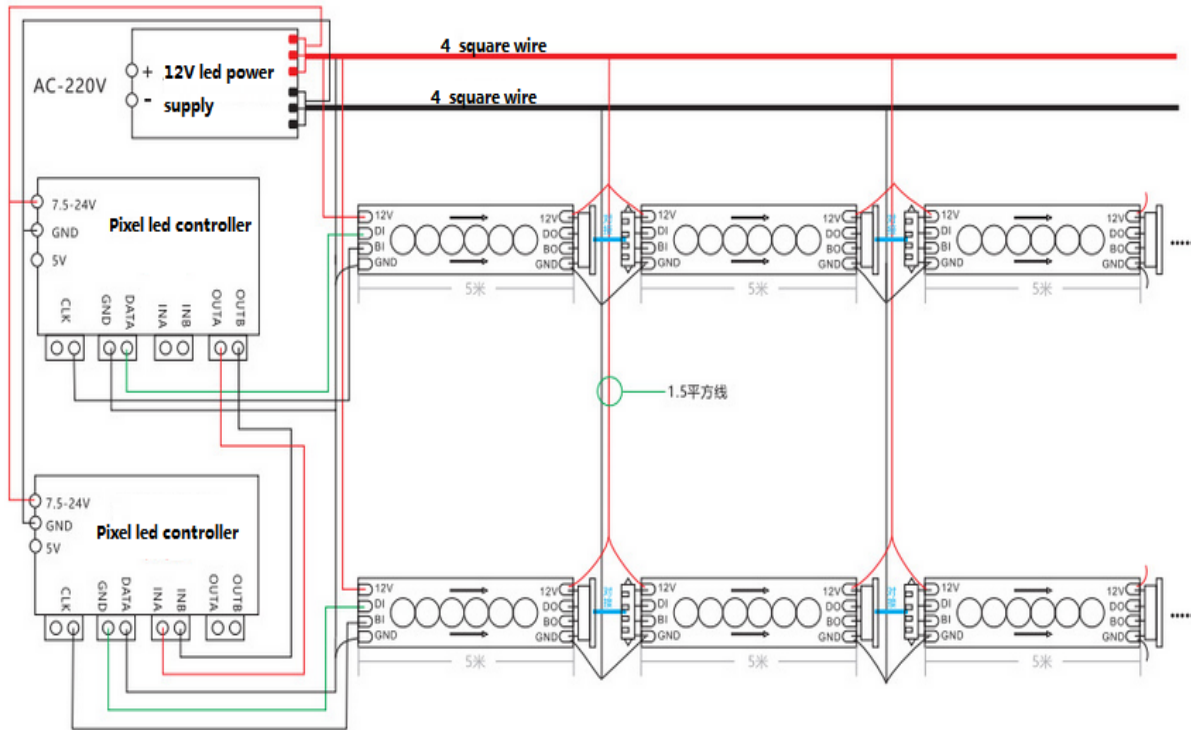
Further details regarding the scope of this certificate are available in the application of ISO 9001:2015 certificate No. CH103026 or in the application of ISO 9001:2015 certificate No. CH103026.

This certificate is valid from 2 March 2017 until 1 March 2020 and remains valid subject to satisfactory surveillance audits.

Recertification audit due on or before 1 April 2019 with the next surveillance audit due on 1 October 2019.

SGS

Wiring Chart

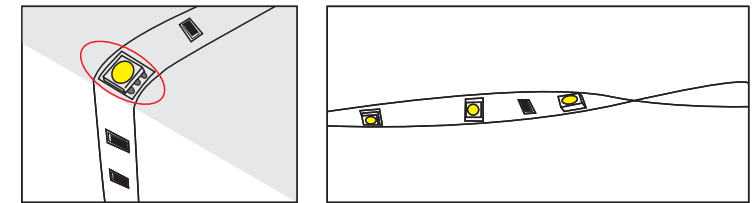
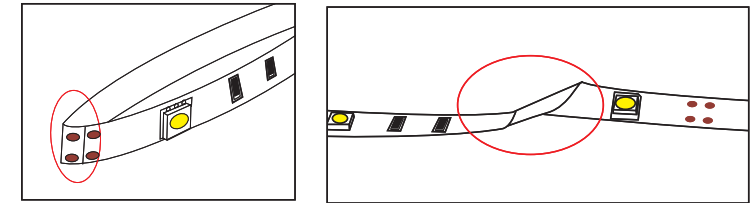


Note:

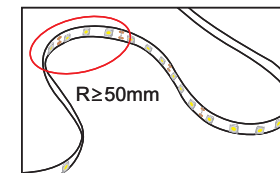
1. One Aluminum Foil Bag for one roll of LED strip, 5M/roll.
2. All the packaging materials are RoHS standard.
3. Heavy stuff are not allow to be loaded above the packaging box.

⚠ 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

