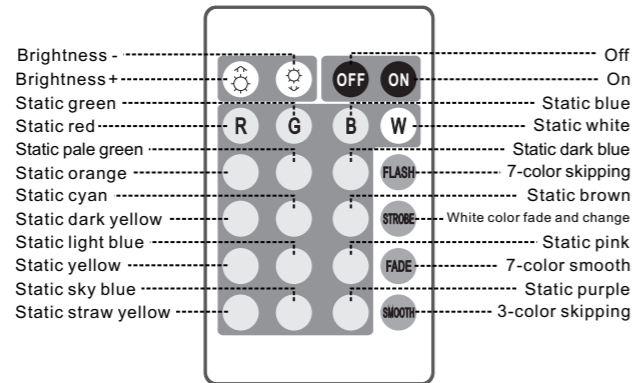


09 The controller works with a remote control, and the instruction details of the controller is shown as follows.



**NOTE**

- 1.Installation Notes  
Make sure that you keep the surface clean before installing strips.
2. Notes for Optional Supplies  
1)Forbid using any acid and alkali adhesive to fix the strips.  
2)No adhesive on LED surface during installing the strips to avoid damaging the LEDs.

**Malfunction & Solution Table**

Malfunction & Solution Table for Flex Strips		
Malfunctions	Possible Causes	Solutions
None LED works	1,Power supply doesn't get primary power.	Power on.
	2,Power supply Plug is connected wrongly.	Connected it to the power again.
	3,Power supply is switched off.	Switch on power supply.
LEDs blinking	1,Intermittent connections.	Find the intermittent points and remove any malfunctions.

**WARNING**

- The product can only be used in indoor light box and channel letter. Forbid exposing it to the outdoor or semi-outdoor environment directly.
- Do not disassemble or modify the module and touch LED surface with sharp stuff.
- Turn power off before installing the strips.
- Forbid using any acid and alkali adhesive or glue to fix the product.
- Please use neutral glass glue to fix the product, and cannot seal the light box or channel letter until the glue is solidified in the open environment.

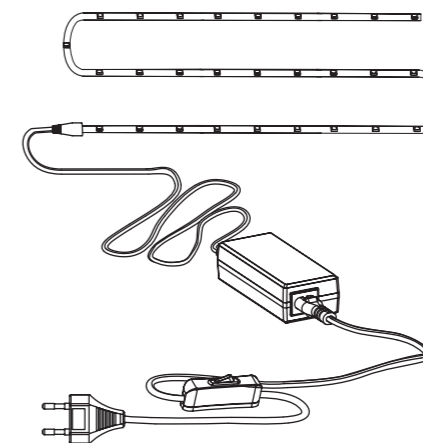
**Declaration**

- Warranty: 1 year or 4,000 hours, whichever comes first.
- If the luminaire is damaged, please contact the manufacturer or his service agent.
- All the data and pictures in this manual are subject to actual products.
- Information provided is subject to change without notice.



**Crystal Series Flex LED Strip Manual**

R0860BA R8060BA R0030AA  
 R8030AA R0030AQ R8030AQ



Read this manual carefully before using this product and keep it!

V1.0

**RISHANG OPTOELECTRONICS CO.,LTD**  
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**说明书正面**

- 备注:  
 1.尺寸: 297\*210mm;  
 2.材质: 60G书纸;  
 3.公差: ±1mm;  
 4.灰度双面印刷;  
 5.虚线不印刷, 来料必须从虚线处折好。

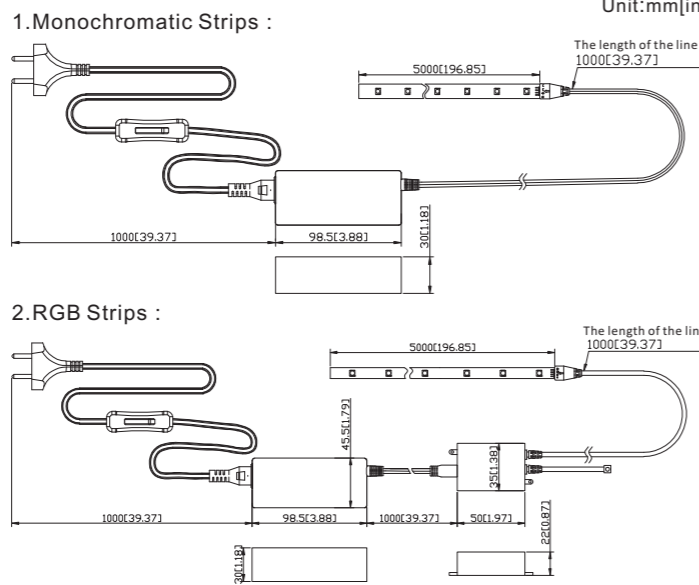
深圳市日上光电有限公司 SHENZHEN RISHANG OPTO-ELECTRONICS CO.,LTD			
产品名称	升级灯带	设计	方艳平 2012.03.30
产品型号	R0860BA R8060BA R0030AA R8030AA R0030AQ R8030AQ	工艺	标准化
零件编码	308-02-065	页数	共 2 页 第 1 页
版本	变更人	变更日期	变更内容
零件名称	产品说明书 (非中性英文)		图纸编号 RD-R0860BA-BZ024
材质	60G书纸	颜色	灰度印刷
重量	比例		1:1
版本	V0		

### Model and Specification

Series	Crystal Series					
Model	R0860BA	R8060BA	R0030AA	R8030AA	R0030AQ	R8030AQ
Color	Monochrome	Monochrome	RGB			
			Red	Green	Blue	
Rated Power(W)	24	28	9	9	9	9

Input Voltage(V): AC100~240  
 Working Voltage(V): DC12  
 Operating Temperature (°C[°F]): -25 ~ 60[-13~140]  
 Storage Temperature (°C[°F]): -40 ~ 70[-40~158]

### Dimension and Connection Illustration



### Installation and Use

#### 1. Instruction of Monochromatic Strips :

Product parts and Tools Required:

Crystal series: 5m[196.9in]  
 Power supply with switch control  
 Tools required: Scissors

### Installation Procedures

● Clean the mounting surface and keep it clean.

● Cut the strips to achieve the desired length.  
 ⚠ Note: Please cut the strips at the printed marks.

● Peel off the adhesive tape gradually, and stick them on the mounting surface.  
 ⚠ Note: Forbid peeling the adhesive tape once to avoid the strips stuck together.

● Locate the mounting position and stick the strips on the mounting surface.  
 ⚠ Note: Don't press the LEDs.

● The strips can be bent on the mounting surface.  
 ⚠ Note: Don't bend it to right angle.

● Plug the interface of the strip into the Power Supply.  
 ⚠ Note: Forbid operating with power on!

● Turn off the switch, and energize the power supply, then you can control the LED strip with the switch.  
 ⚠ Note: Keep the power supply with switch control out of reach of children!

#### 2. Instruction of RGB Strips :

Product parts and Tools Required:

Crystal series: 5m[196.9in]  
 Power supply with switch control  
 Controller  
 Tools required: Scissors

### Installation Procedures

The installing steps from 01~05 are same as monochromatic strips.

● Plug the interface of the strip into the controller.

● Connect the controller to Power Supply.

● Turn off the switch, and energize the power supply, then you can control the LED strip with the switch.  
 ⚠ Note: Keep the power supply with switch supply and controller out of reach of children, and place the connector of controller in the open environment.

## 说明书背面

备注:  
 1. 尺寸: 297\*210mm;  
 2. 材质: 60G书纸;  
 3. 公差: ±1mm;  
 4. 灰度双面印刷;  
 5. 虚线不印刷, 来料必须从虚线处折好。

深圳市日上光电有限公司 SHENZHEN RISHANG OPTO-ELECTRONICS CO.,LTD			
		材质	60G书纸
产品名称 升级灯带 设计 方艳平 2012.03.30 审核 李建洲 2012.03.30		颜色	灰度印刷
产品型号 R0860BA R8060BA R0030AA R8030AA R0030AQ R8030AQ 工艺		重量	
零件编码 308-02-065 页数 共 2 页 第 2 页 批准		比例	1:1
版本 变更人 变更日期 变更内容 零件名称 产品说明书 (非中性英文) 图纸编号 RD-R0860BA-BZ024		版本	V0