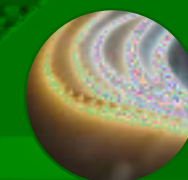




NATIONSTAR

# LED LIGHTING CATALOGUE FOR U.S.A.



LED STRIPS



LED TUBE



LED PANEL

## FOSHAN NATIONSTAR OPTOELECTRONICS CO.,LTD

**Headquarter:**  
Add: No.18 South Huibao Road, Chancheng District, Foshan City, Guangdong Province, China  
Tel: +86 757 8210028 ext 8401  
Fax: +86 757 8210028  
Website: [www.nationstarled.com](http://www.nationstarled.com)  
E-mail: [sales@nationstar.com](mailto:sales@nationstar.com), [kelly@nationstar.com](mailto:kelly@nationstar.com)

**USA office:**  
18795 Van Kaman Avenue, Suite 200 PMB#212, Irvine, CA 92618

*NATIONSTAR, LIGHTING UP THE WORLD*

### 01 BRIEF INTRODUCTION

Foshan NationStar Optoelectronics Co.,Ltd has been specializing in LED industry for over 40 years, and started LED lighting manufacturing since 2004. With a strong R&D ability, reliable product quality and excellent after-sales service, NationStar becomes a leading manufacturer for chips, LEDs and LED lighting products.



#### Headquarters, Northern Area

LED Module Division

Land Area: 280,000 sq ft

Floor Area: 500,000 sq ft

#### Headquarters, Southern Area

LED Lighting Division  
White LED Division  
RGB LED Division

Land Area: 380,000 sq ft

Floor Area: 1,000,000 sq ft



#### NationStar Semiconductor

LED wafer & LED chip production facilities

Land Area: 350,000 sq ft

Floor Area: 600,000 sq ft

### 02 INDUSTRIAL CHAIN

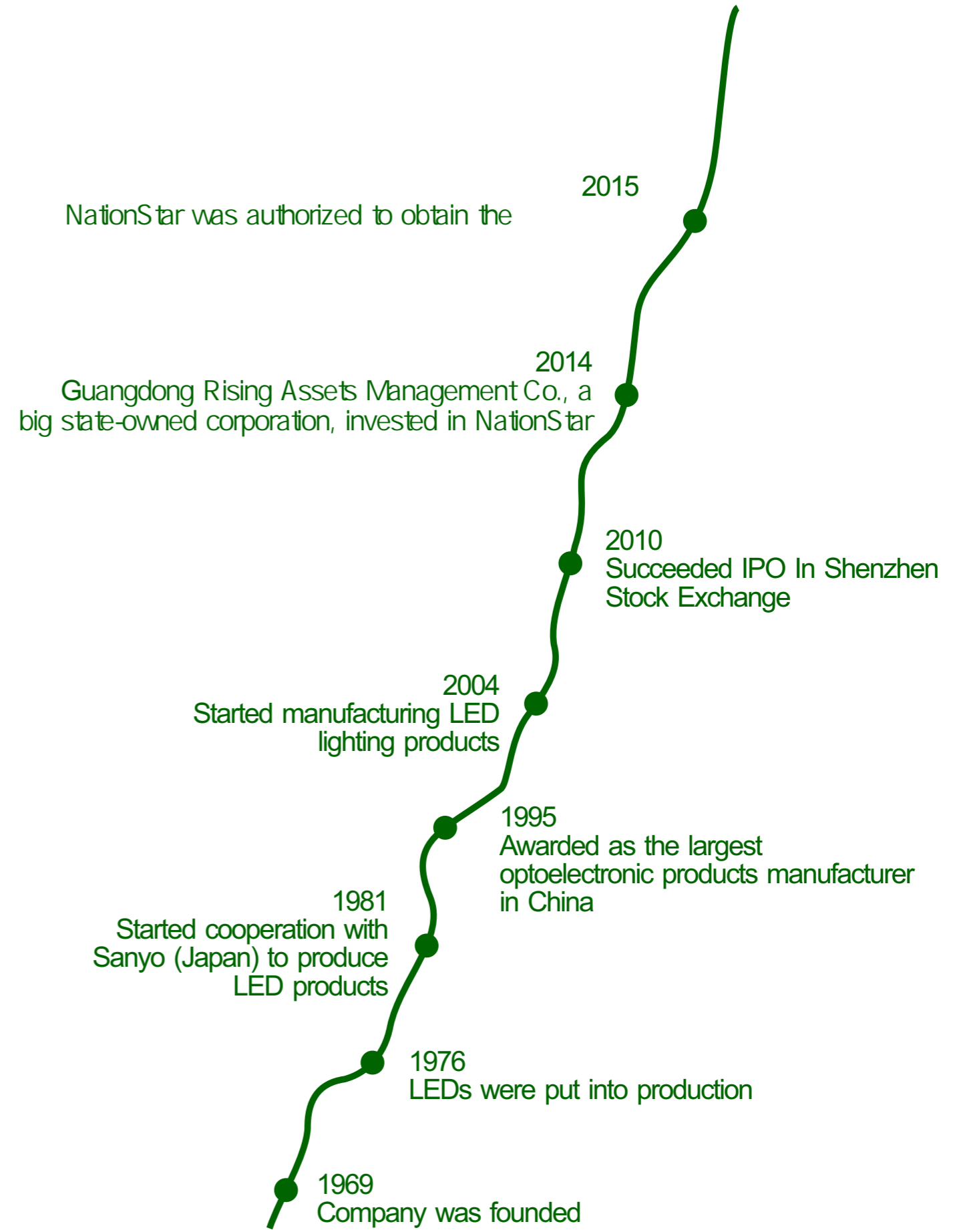


Chip

LED

Lighting product

### 03 HISTORY



1969  
Company was founded

1976  
LEDs were put into production

1981  
Started cooperation with Sanyo (Japan) to produce LED products

1995  
Awarded as the largest optoelectronic products manufacturer in China

2004  
Started manufacturing LED lighting products

2010  
Succeeded IPO In Shenzhen Stock Exchange

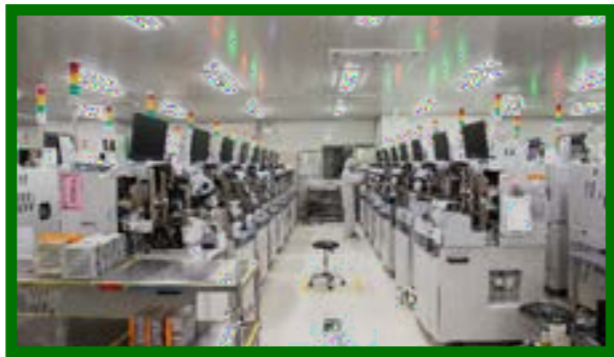
2014  
Guangdong Rising Assets Management Co., a big state-owned corporation, invested in NationStar

2015  
NationStar was authorized to obtain the

03 PRODUCTION FACILITIES



NationStar Semiconductor



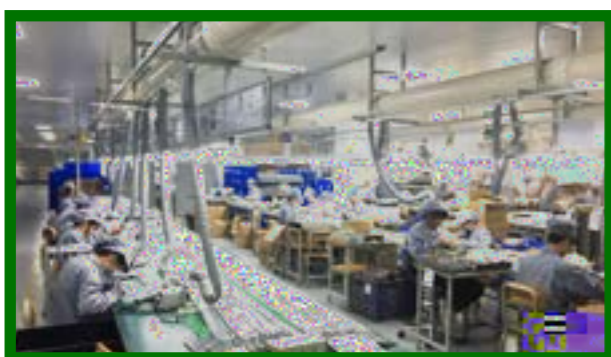
LED Encapsulation



SMT Production Line



Production Line for LED Panel



Production Line for LED Tape Light



Testing Lab

04 MANAGEMENT SYSTEMS



OHSAS18001 occupation health and safety management system



ISO9001 quality management system

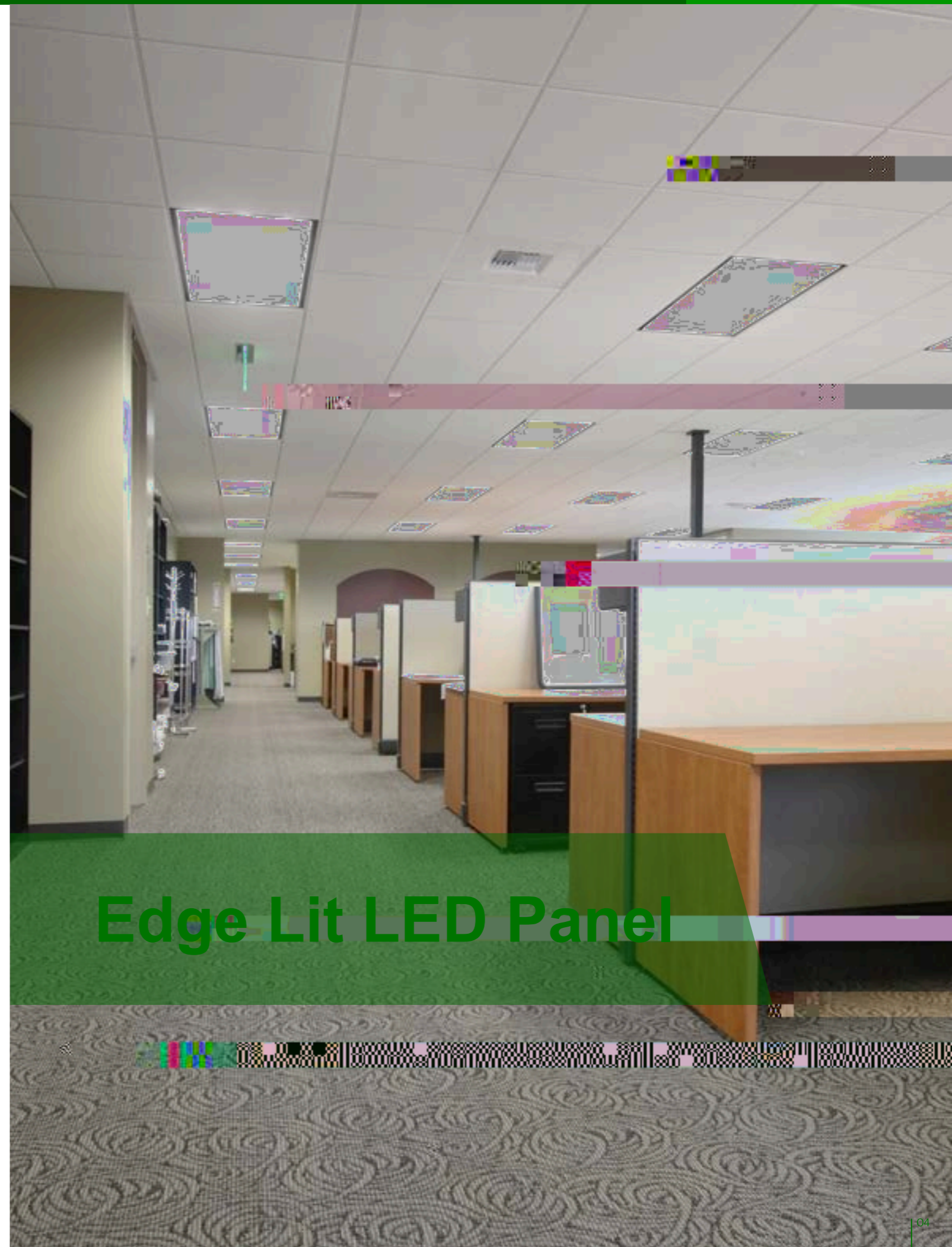


ISO14001 environmental management system

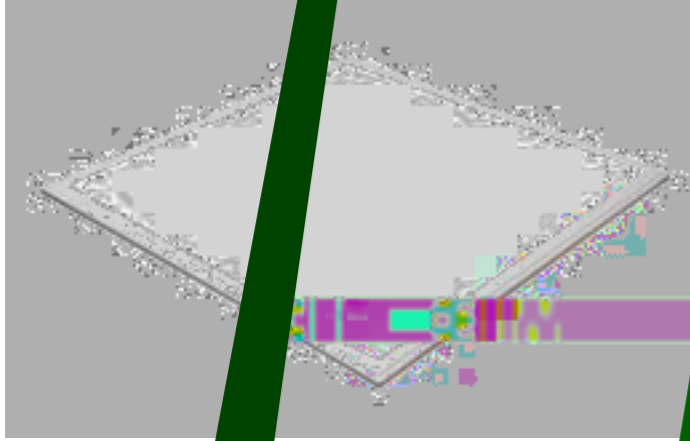


ISO-TS16949 quality management system

ISO/IEC 17025:2005 General Requirements



Edge Lit LED Panel



## FEATURES

- Different layers output integrated in the same panel to reduce the stock quantity.
- The driver is inserted into the back of the panel and can be dismountable to save the shipping volume and cost.

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## PERFORMANCE

23.75x47.75x0.39



EQ  
I/

# SUSPENDING KIT:

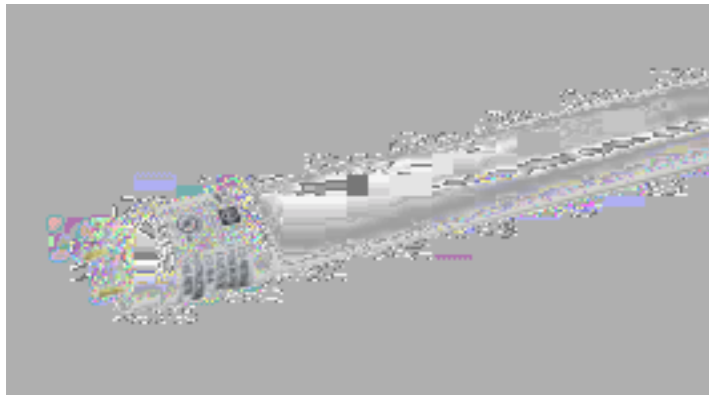
Surface mounted frame

Pendant mounted wire rope



Emergency backup





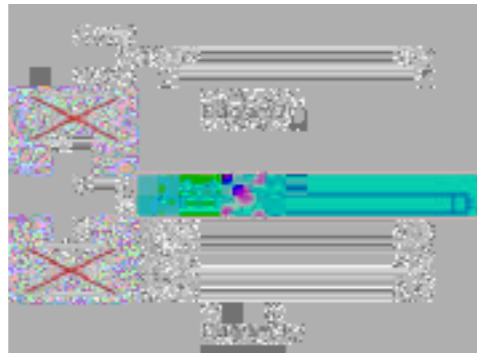
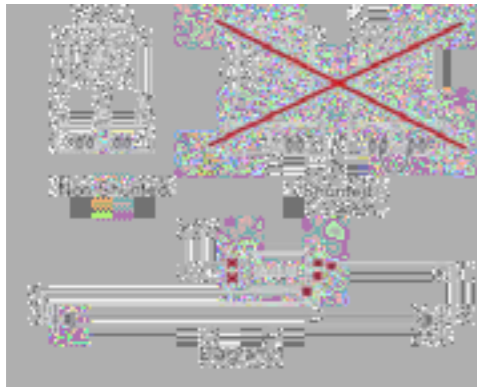
## UL/DLC By Pass LED T8 (Type B)



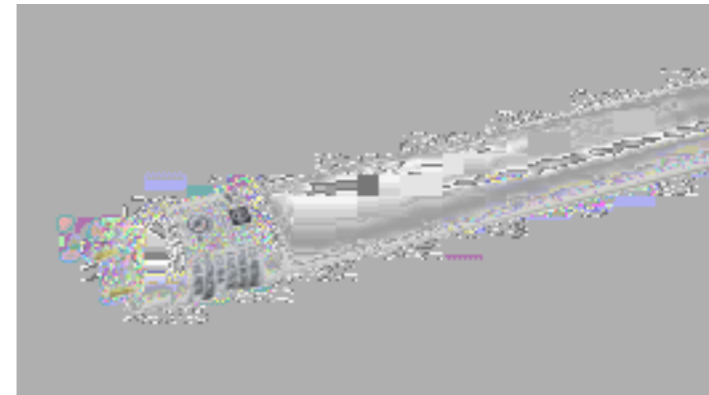
### FEATURES

- Built-in universal voltage driver, by pass installation.
- Exceptional lighting efficiency up to 130lm/W, perfect replacement of the traditional fluorescent tube.
- Wide beam design 270 degree wide viewing.
- End-to-end lighting with no dark spots.

### INSTALLATION INSTRUCTION



### PERFORMANCE



## UL/DLC Direct Fit LED T8 (Type A)



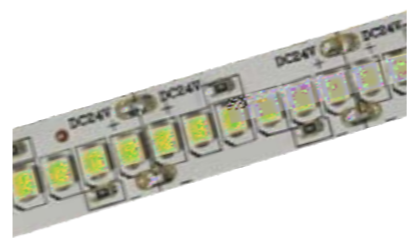
### FEATURES

- Compatible with more than 200 kinds of normal electronic instant start ballasts, no rewiring.
- Exceptional lighting efficiency up to 150lm/W, perfect replacement of the traditional fluorescent tube.
- Wide beam design 270 degree wide viewing.
- End-to-end lighting with no dark spots.

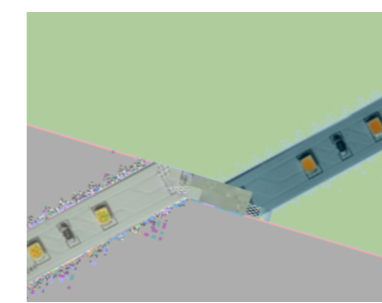


# LED Strip

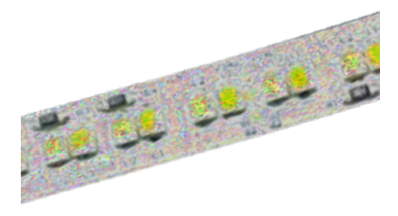
## LED STRIP NEW DESIGN STRIP



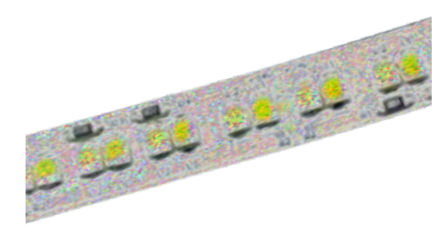
Efficiency is as high as 160lm/W  
 PCB width 0.39inch, DC24V  
 64LED/meter, 1.8W/ft, 290lm/ft,  
 16.4ft/roll, 32ft max. running length  
 128LED/meter, 3.5W/ft, 560lm/ft,  
 16.4ft/roll, 32ft max. running length



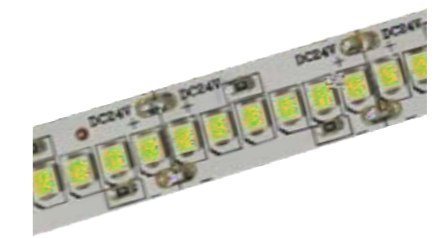
CRI is as high as 95  
 PCB width 0.31/0.39inch, DC24V  
 18LED/ft, 1.5W/ft, 125lm/ft,  
 16.4ft/roll, 16.4ft max. running length  
 36LED/ft, 3.7W/ft, 305lm/ft,  
 16.4ft/roll, 16.4ft max. running length



With 4 in 1 RGBW LED, multi colors  
 (red, green, blue, white)  
 PCB width 0.47inch, DC24V  
 18LED/ft, 5.7W/ft, R 30lm/ft,  
 G 52lm/ft, B 14lm/ft, W 110lm/ft  
 16.4ft/roll, 16.4ft max. running length



Strips can be used with controller to  
 change the color temperature  
 CCT from 2700 to 6000K  
 PCB width 0.39inch, DC24V  
 72LED/ft, 1.8W/ft, CW 183lm/ft,  
 WW 152lm/ft, 16.4ft/roll, 16.4ft max.  
 running length  
 72LED/ft, 3.7W/ft, CW 335lm/ft,  
 WW 293lm/ft, 10ft/roll, 10ft max.  
 running length



Strips can be bended more than 90°  
 PCB width 0.24inch, DC24V  
 18LED/ft, 1.2W/ft, 128lm/ft  
 16.4ft/roll, 16.4ft max. running length



# LED STRIP

## NON-WATERPROOF LED STRIP

### FEATURES

- High brightness SMD
- Strips can be cut every 5cm/10cm and reconnect
- Variety of optional colors and accessories
- Standard PCB color: White
- CRI 80/90
- 3M adhesive backing
- Suitable for dry locations



Model	Running Length	Lumen Output	PCB Width	Input
NS-FA3528CW18-24-4.8	10ft max.	159LM/ft	0.19inch	DC 24V
NS-FA3528CW18-24	16.4ft max.	159LM/ft	0.39inch	DC 24V
NS-FA3528CW18-24-B	16.4ft max.	305LM/ft	0.39inch	DC 24V
NS-FA3528CW36-24	16.4ft max.	335LM/ft	0.39inch	DC 24V
NS-FA3528CW36-24-UB	10ft max.	640LM/ft	0.39inch	DC 24V
NS-FA3528CW72-24	10ft max.	610LM/ft	0.47inch	DC 24V
NS-FA5050RGB18-24	16.4ft max.	R: 38LM/ft G:92LM/ft B: 19LM/ft W:127LM/ft	0.39inch	DC 24V
NS-FA3528NW18-24-4.8	10ft max.	159LM/ft	0.19inch	DC 24V
NS-FA3528NW18-24	16.4ft max.	159LM/ft	0.39inch	DC 24V
NS-FA3528NW18-24-B	16.4ft max.	305LM/ft	0.39inch	DC 24V
NS-FA3528NW36-24	16.4ft max.	335LM/ft	0.39inch	DC 24V
NS-FA3528NW36-24-UB	10ft max.	640LM/ft	0.39inch	DC 24V
NS-FA3528NW72-24	10ft max.	610LM/ft	0.47inch	DC 24V
NS-FA3528R18-24	16.4ft max.	R: 34LM/ft Y: 30LM/ft G:67LM/ft B: 18LM/ft	0.39inch	DC 24V
NS-FA3528Y18-24	16.4ft max.	R: 34LM/ft Y: 30LM/ft G:67LM/ft B: 18LM/ft	0.39inch	DC 24V
NS-FA3528G18-24	16.4ft max.	R: 34LM/ft Y: 30LM/ft G:67LM/ft B: 18LM/ft	0.39inch	DC 24V
NS-FA3528B18-24	16.4ft max.	R: 34LM/ft Y: 30LM/ft G:67LM/ft B: 18LM/ft	0.39inch	DC 24V
NS-FA3528WW18-24-4.8	10ft max.	159LM/ft	0.19inch	DC 24V
NS-FA3528WW18-24	16.4ft max.	159LM/ft	0.39inch	DC 24V
NS-FA3528WW18-24-B	16.4ft max.	305LM/ft	0.39inch	DC 24V
NS-FA3528WW36-24	16.4ft max.	335LM/ft	0.39inch	DC 24V
NS-FA3528WW36-24-UB	10ft max.	640LM/ft	0.39inch	DC 24V
NS-FA3528WW72-24	10ft max.	610LM/ft	0.47inch	DC 24V

### Easy Installation in Anywhere

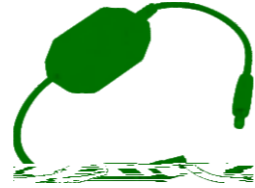


### Easy Installation in Anywhere

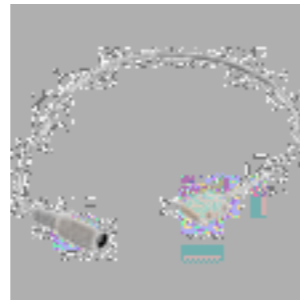


## Accessories for Non-waterproof Single Color LED Strip

- 0-100% Dimming
- Can only be used in DC12/24V
- For indoor use only



- Connects strips to power supply



## Single Color Connectors

- Connects 2 sections of the strips together



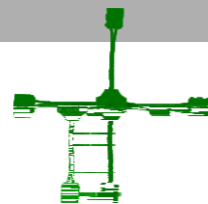
- Connects 2 sections of the strips together



- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making "T" & "Y" connections

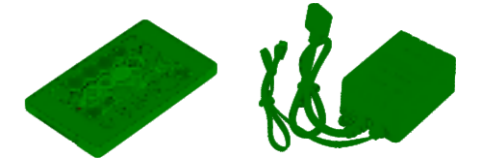


- Connects 4 sections of the strips together
- One input, three outputs



## Accessories for Non-waterproof RGB LED Strip

- Must be used with RGB LED strips
- With remote controller
- Adjusts speed and brightness
- Connects between power supply and strips



- Connects strips to power supply

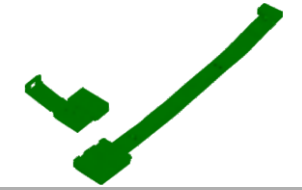


Indoor Power Supply  
From 30W to 320W  
available



## RGB Connectors

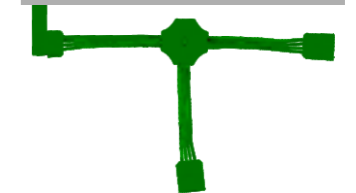
- Connects 2 sections of the strips together



- Connects 2 sections of the strips together



- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making "T" & "Y" connections

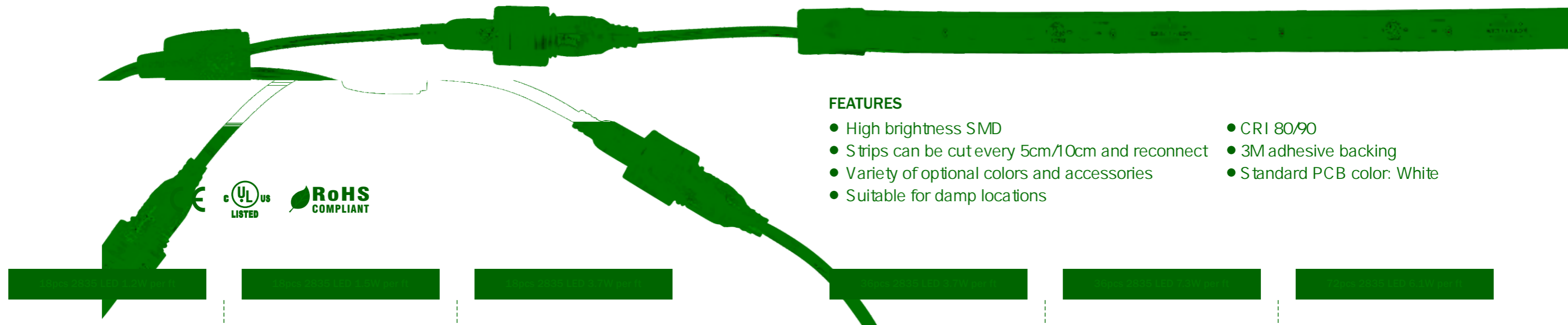


- Connects 4 sections of the strips together
- One input, three outputs



# LED STRIP

## IP54 WATERPROOF LED STRIP



### FEATURES

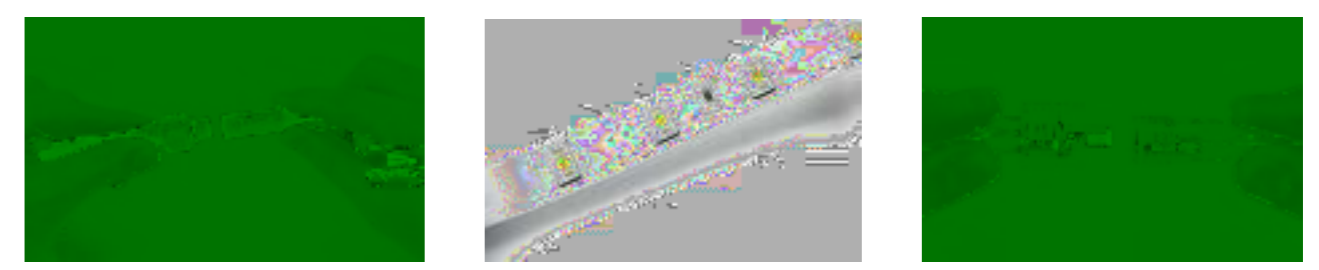
- High brightness SMD
- Strips can be cut every 5cm/10cm and reconnect
- Variety of optional colors and accessories
- Suitable for damp locations
- CRI 80/90
- 3M adhesive backing
- Standard PCB color: White

<ul style="list-style-type: none"> <li>· 10ft max. running length</li> <li>· 151LM/ft</li> <li>· PCB width 0.19inch</li> <li>· DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>· 16.4ft max. running length</li> <li>· 151LM/ft</li> <li>· PCB width 0.39inch</li> <li>· DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>· 16.4ft max. running length</li> <li>· 290LM/ft</li> <li>· PCB width 0.39inch</li> <li>· DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>· 16.4ft max. running length</li> <li>· 318LM/ft</li> <li>· PCB width 0.39inch</li> <li>· DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>· 10ft max. running length</li> <li>· 608LM/ft</li> <li>· PCB width 0.39inch</li> <li>· DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>· 10ft max. running length</li> <li>· 580LM/ft</li> <li>· PCB width 0.47inch</li> <li>· DC 24V input</li> </ul>
<p><b>COOL WHITE</b> NS-FD3528CW18-24-4.8</p>	<p><b>COOL WHITE</b> NS-FD3528CW18-24</p>	<p><b>COOL WHITE</b> NS-FD3528CW18-24-B</p>	<p><b>COOL WHITE</b> NS-FD3528CW36-24</p>	<p><b>COOL WHITE</b> NS-FD3528CW36-24-UB</p>	<p><b>COOL WHITE</b></p>
<p><b>NEUTRAL WHITE</b> NS-FD3528NW18-24-4.8</p>	<p><b>NEUTRAL WHITE</b> NS-FD3528NW18-24</p>	<p><b>NEUTRAL WHITE</b> NS-FD3528NW18-24-B</p>	<p><b>NEUTRAL WHITE</b> NS-FD3528NW36-24</p>	<p><b>NEUTRAL WHITE</b> NS-FD3528NW36-24-UB</p>	
<p><b>WARM WHITE</b> NS-FD3528WW18-24-4.8</p>	<p><b>WARM WHITE</b> NS-FD3528WW18-24</p>	<p><b>WARM WHITE</b> NS-FD3528WW18-24-B</p>	<p><b>WARM WHITE</b> NS-FD3528WW36-24</p>	<p><b>WARM WHITE</b> NS-FD3528WW36-24-UB</p>	

### Easy Installation in Anywhere



### Easy Installation in Anywhere






# LED STRIP

## IP67 WATERPROOF LED STRIP



### FEATURES

- High brightness SMD
- Strips can be cut every 5cm/10cm and reconnect
- Variety of optional colors and accessories
- Suitable for wet locations
- CRI 80/90
- 3M adhesive backing
- Standard PCB color: White

<ul style="list-style-type: none"> <li>• 10ft max. running length</li> <li>• 151LM/ft</li> <li>• PCB width 0.19inch</li> <li>• DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>• 16.4ft max. running length</li> <li>• 151LM/ft</li> <li>• PCB width 0.31inch</li> <li>• DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>• 16.4ft max. running length</li> <li>• 290LM/ft</li> <li>• PCB width 0.39inch</li> <li>• DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>• 16.4ft max. running length</li> <li>• 318LM/ft</li> <li>• PCB width 0.31inch</li> <li>• DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>• 10ft max. running length</li> <li>• 608LM/ft</li> <li>• PCB width 0.39inch</li> <li>• DC 24V input</li> </ul>	<ul style="list-style-type: none"> <li>• 10ft max. running length</li> <li>• 580LM/ft</li> <li>• PCB width 0.47inch</li> <li>• DC 24V input</li> </ul>
 <p><b>COOL WHITE</b> NS-FC3528CW18-24-4.8</p>	<p><b>COOL WHITE</b> NS-FC3528CW18-24-4.8</p>	<p><b>COOL WHITE</b> NS-FC3528CW18-24-B</p>	<p><b>COOL WHITE</b> NS-FC3528CW36-24</p>	<p><b>COOL WHITE</b> NS-FC3528CW36-24-UB</p>	<p><b>COOL WHITE</b> NS-FC3528CW72-24</p>
 <p><b>NEUTRAL WHITE</b> NS-FC3528NW18-24-4.8</p>	<p><b>NEUTRAL WHITE</b> NS-FC3528NW18-24-4.8</p>	<p><b>NEUTRAL WHITE</b> NS-FC3528NW18-24-B</p>	<p><b>NEUTRAL WHITE</b> NS-FC3528NW36-24</p>	<p><b>NEUTRAL WHITE</b> NS-FC3528NW36-24-UB</p>	<p><b>NEUTRAL WHITE</b> NS-FC3528NW72-24</p>
 <p><b>WARM WHITE</b> NS-FC3528WW18-24-4.8</p>	<p><b>WARM WHITE</b> NS-FC3528WW18-24-4.8</p>	<p><b>WARM WHITE</b> NS-FC3528WW18-24-B</p>	<p><b>WARM WHITE</b> NS-FC3528WW36-24</p>	<p><b>WARM WHITE</b> NS-FC3528WW36-24-UB</p>	<p><b>WARM WHITE</b> NS-FC3528WW72-24</p>

### Easy Installation in Anywhere



### Easy Installation in Anywhere



## Accessories for Waterproof Single Color LED Strip

- Connects strips to power supply



### Single Color Connectors

- Connects 2 sections of the strips together



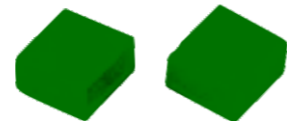
- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making "T" & "Y" connections



- Connects 4 sections of the strips together
- One input, three outputs



- Terminal for the strips



- Silicone glue for the end cap



- Fix the strips on the surface



## Accessories for Waterproof RGB LED Strip

- Connects strips to power supply



### RGB Connectors

- Connects 2 sections of the strips together



- Connects 3 sections of the strips together
- One input, two outputs
- Ideal for making "T" & "Y" connections



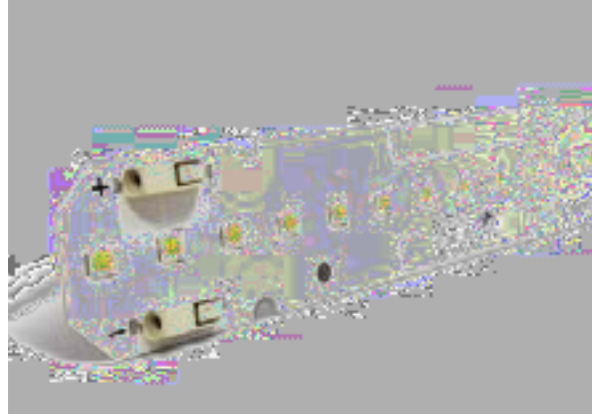
- Connects 4 sections of the strips together
- One input, three outputs



- Outdoor Power Supply



# LED MODULE



## FEATURES

- PCB kinds: FR4,CEM,AL
- LED type: 2835,4014,5050,3030,RGB,3535 high power
- Input 12v/24v/350mA 700mA,1000mA and etc
- Lumen output 90LMW to 200LMW
- Connector: as customer request
- Typical Applications: Office lighting, Retail, corridor and shelf lighting
- We offer OEM & ODM service

