

## 1509 LED Wall washing strip Data Sheet



- High quality LEDs with optical diffuser lens
- 30°/60°/30X45° Lens Available
- Efficient wall washing, high illuminance, excellent light uniformity
- Casing colors Milky white/Transparent/Black
- TPU semi-sleeve potting process with PU resin
- High flexibility, compact size, lightweight, simple installation
- Waterproof grade IP67 • 5 years warranty

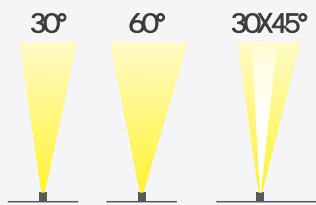
### Technologies

- ON/OFF

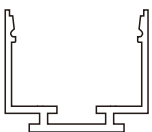
### Color Options



### Beam Angle



### Recommended Accessories

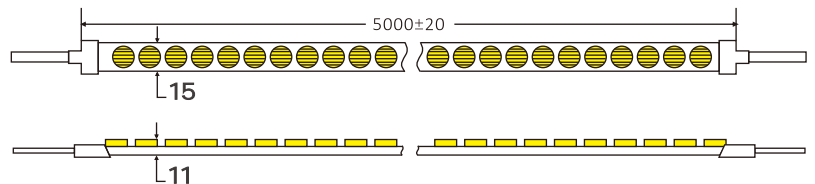


PC Cover with Profile

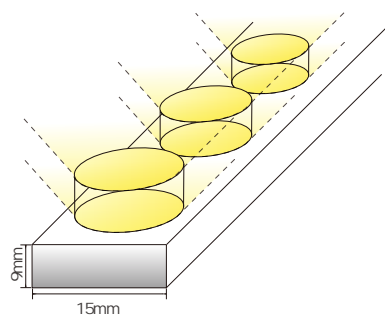
### Application

- Suitable for indoor and outdoor use, can be used as decorative lighting, such as shopping malls, buildings, advertising lights, etc.

### Dimensions



### Sectional drawing



## Product Specifications

P/N	LED Quantity	CCT/K	CRI	LEDs/m	LUMENS (lm/m)	Vf/V	Current (mA/M)	Power (W/M)	Cut Length (MM)	Max Run (M)
RL-FV24130362835-830-WWWB1509	2835	2700	80/90	36	1080	24	500	12	27.8	5
		3000			1080					
		4000			1140					
		6500			1140					

## Other Specifications

Protection grade	IP67
Working temperature(°c)	-25~+60
Storage environment temperature (°c)	-25~+70
Standard length	5
Maximum cascade length(m)	5
weight	/

### Remark

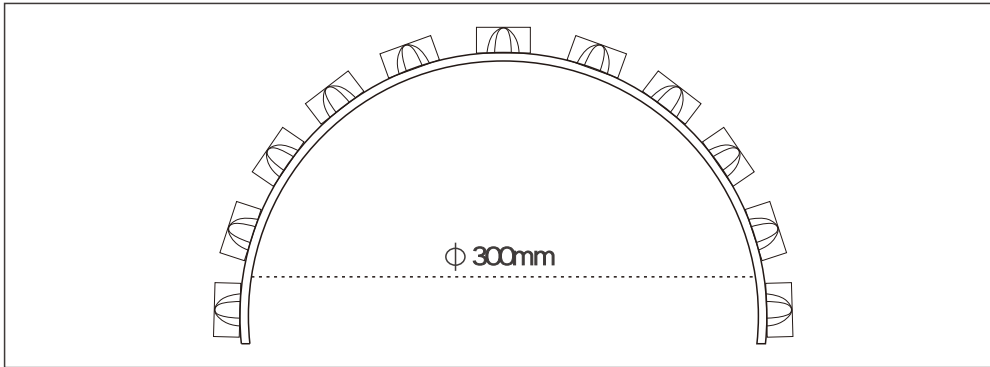
- The test environment temperature is 25±2°C;
- The above data are typical values, the actual parameters of the product may be different from the typical data; the data is subject to change without notice;
- The above "/" means that this parameter is not required for the time being.

## Applied Standards



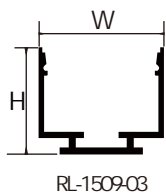
## Installation

Note: Due to the different types and attributes of neon lights, please refer to the line marks for the bending radius.



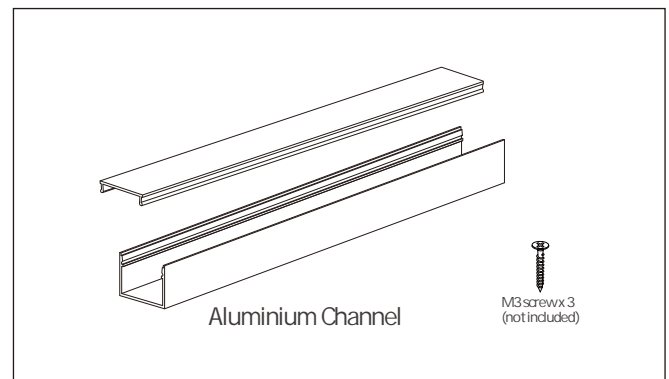
## Mounting with aluminium profiles

Install with the screws provided. Do not use screws of other types or sizes that do not meet requirements.



RL-1509-03

Description	W (mm)	H (mm)	Item Code
RL-1509-03	181	13	/

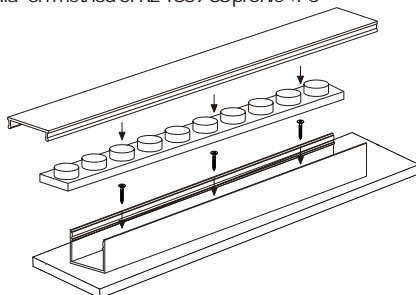


Aluminium Channel

M3 screw x 3  
(not included)

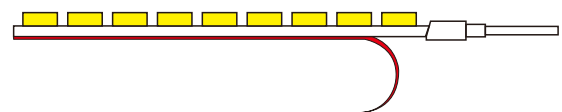
1

Installation method of RL-1509-03 profile + PC



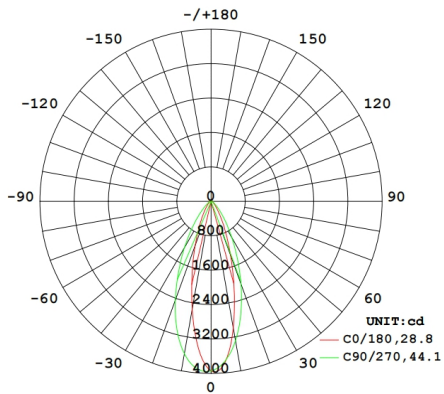
2

Installation method of RL-1509-01 adhesive backing

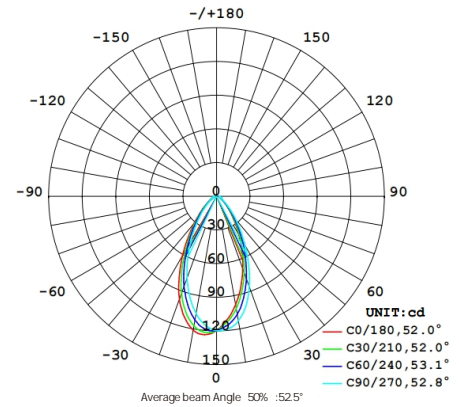


## Installation distance/Wall washing height

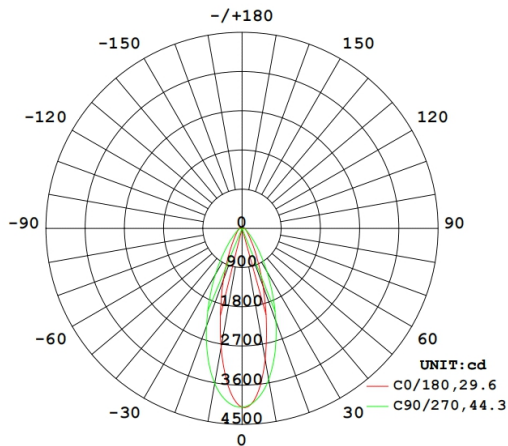
### 30°angle IES report



### 60°angle IES report

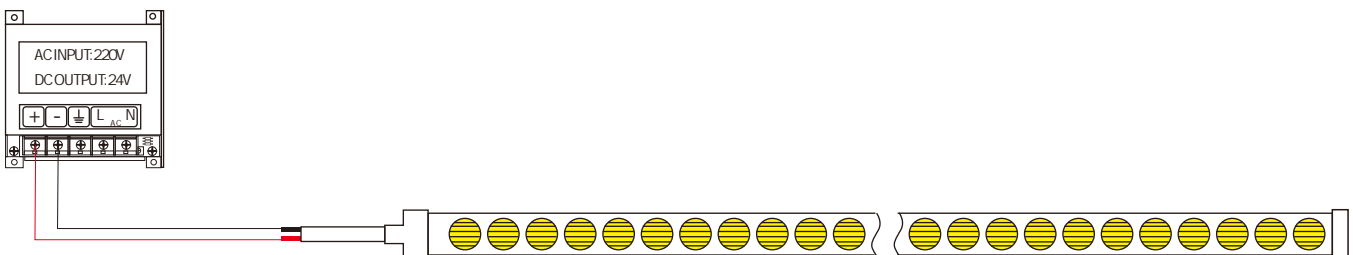


### 30X45°angle IES report

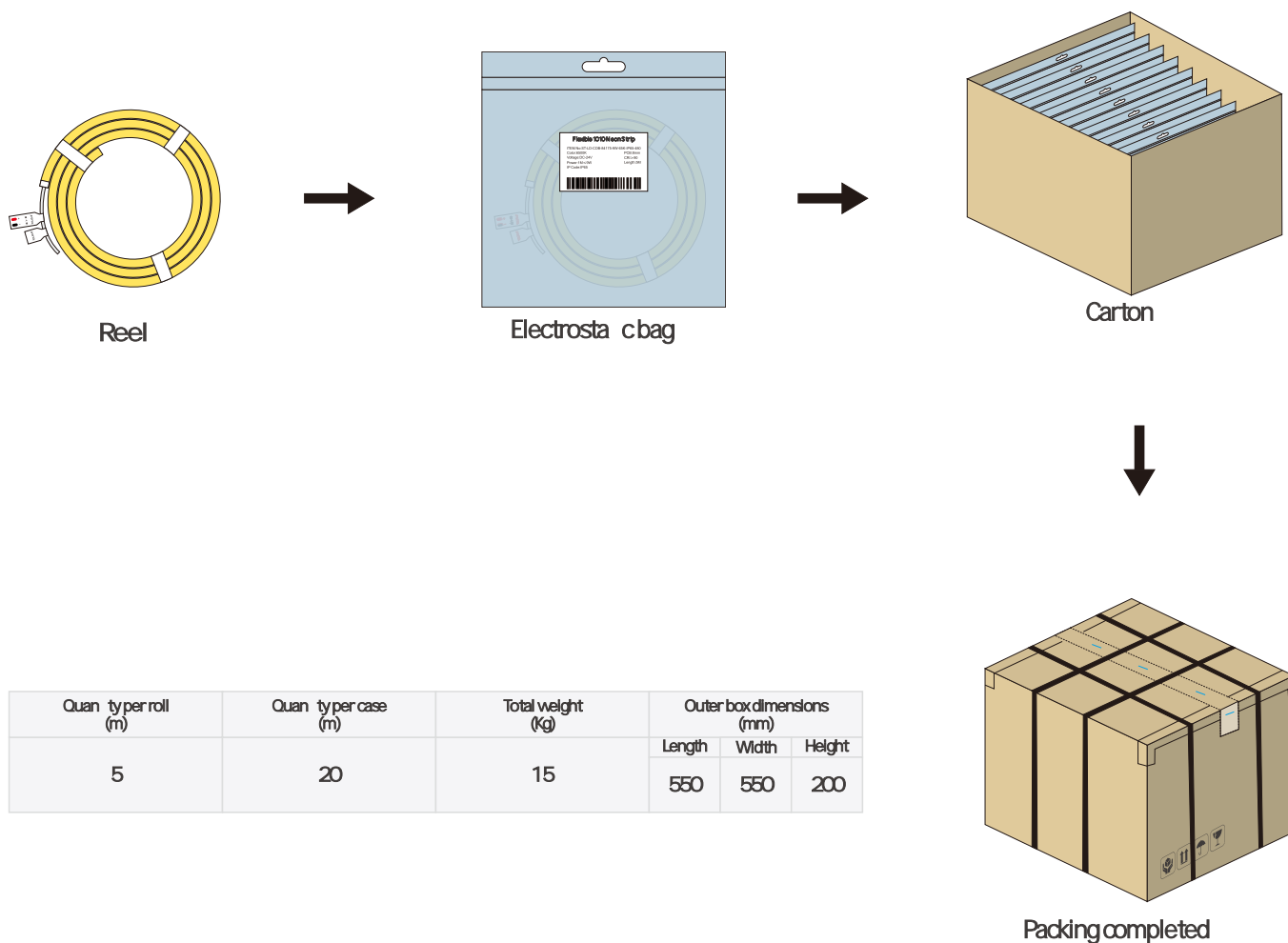


## Schematic diagram of electrical connection

### 1. Monochrome temperature wiring diagram 1: Power + lamp belt connection mode



## Package



Note : The above-mentioned packaging quantity and weight are only for the packaging method shown in the figure. There will be differences in the number and weight of packaging for other packaging methods, and the actual product shall prevail.

## Common product faults and their troubleshooting methods

Fault Phenomena	Possible Causes	Troubleshooting Methods
All lights off	1. Mains power failure	Power on
	2. Open circuit or short circuit at switching power supply output triggering auto-protection	Troubleshoot and restore power
	3. Reverse polarity at LED strip power input	Check wire connection status to ensure correct polarity
Partial lights off	1. Partial switching power supply failure	Inspect power supply system and resolve faults
	2. Wiring error in partial LED strip circuits	
	3. Reverse polarity in partial LED strips	Correct wiring
LED uneven brightness or insufficient brightness	1. Power supply overload	Replace with higher-power supply according to load
	2. Excessive line loss in switching power circuits or significant line loss discrepancies	Maintain LED strip operating voltage within $\pm 5\%$ of rated voltage 1. Shorten power cable length between power supply and LED strip or use larger gauge wires 2. Ensure number of LED strips per circuit meets max allowed cascading quantity and keep cascading quantities similar per circuit.
	3. Excessive serial connection of LED strips	Adjust LED strip quantity per power branch to meet max allowed cascading requirements per circuit
LED flickering	1. Poor contact at connection points	Identify and resolve poor contact points
	2. Switching power supply malfunction	Replace switching power supply

## Notice

- If the external flexible cable of this product is damaged, the cable must be replaced by the manufacturer or similarly qualified personnel to prevent hazards.
- For specific installation arrangements and precautions, refer to the product user manual.
- Data in this specification is based on standard products. Actual delivered products may vary, subject to physical measurements.
- All product diagrams in this specification are schematic diagrams. Actual delivered products may differ, subject to physical objects.
- Technical modifications may be implemented without prior notice.
- Shenzhen Meishang Lighting Co., Ltd. reserves the final interpretation rights of this manual.



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