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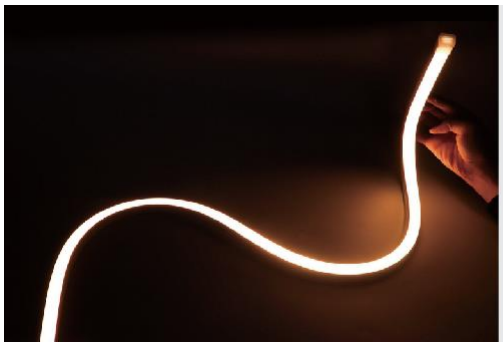
1515 Free Bend Neon Strip

Free Bend



- Using silicone extrusion process, 15*15Mini size design
- Uniform light emission, good appearance consistency
- Anti-yellowing, high temperature resistance, corrosion resistance, weak acid and alkali resistance
- Good flexibility, small size, light weight, easy installation
- Food-grade environmentally friendly silicone material.
- Waterproof grade IP67
- 5 years warranty

Technologies

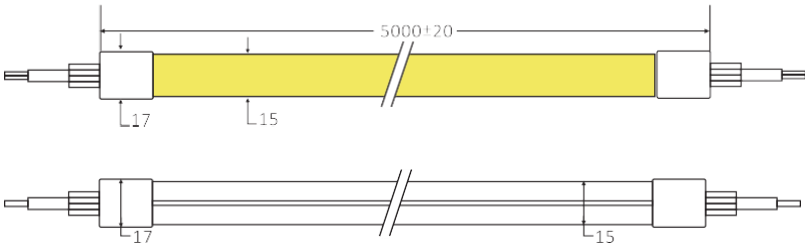
- ON/OFF

Application

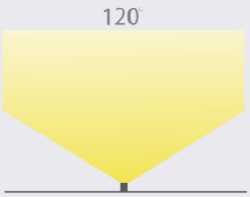
- This product is suitable for any use in engineering projects, signage and artistic modeling, home decoration, office decoration lighting, etc

Color Options

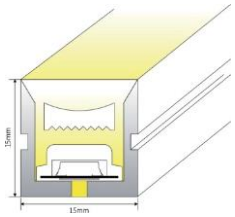
Dimensions



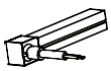
Beam Angle



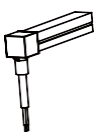
Sectional drawing



Recommended Accessories



Side exit end cap



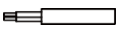
Bottom Exit end cap

Direct Exit End cap

End cap

Bendable Profile

Clip



cable

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Product Specifcations

P/N	LED	CCT k	CRI	LEDs/M	LUMENS (lm/m)	Voltage (v)	Current (mA/M)	Power (W/M)	Cut Length (MM)	Max Run (M)
LD-FV2410120283508-XXXX-FWD1515	2835	2700	80/90	120	700	24	500	12	50	5
		3000			700					
		4000			700					
		6500			700					
LD-FV4810120283512-XXXX-FWD1515	2835	2700	80/90	120	700	48	250	12	50	5
		3000			700					
		4000			700					
		6500			700					
LD-FV2410120283514-XXXX-FWD1515	2835	2700	80/90	120	900	24	600	14.4	50	5
		3000			900					
		4000			900					
		6500			900					

Other Specifications

Protection grade	IP67
Working temperature (℃)	-25~+60
Standard length (℃)	-25~+70
Maximum cascade length(m)	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

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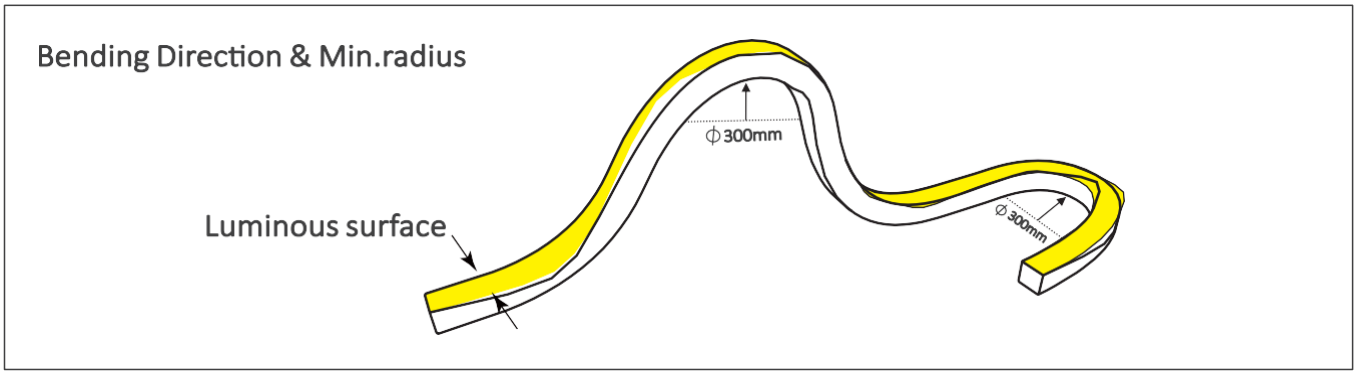
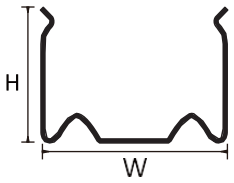
Installation

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

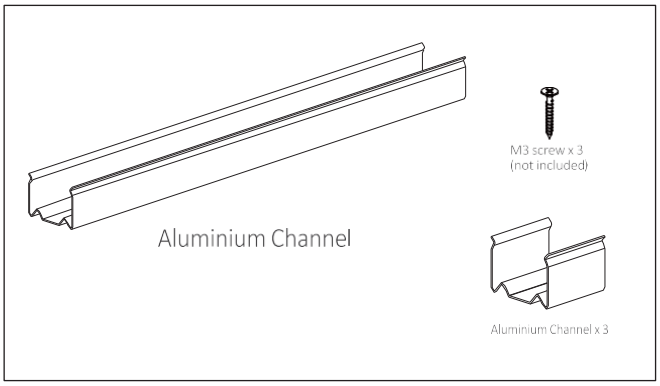


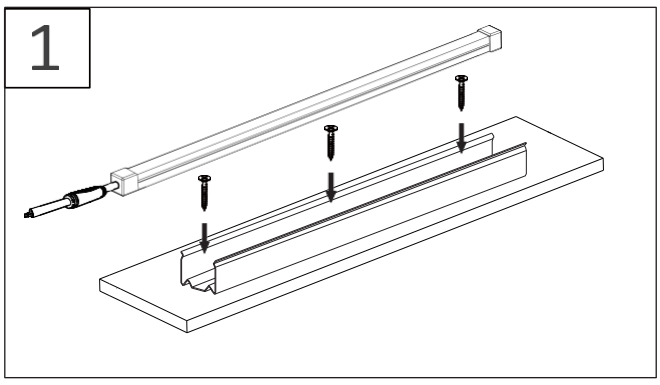
Mounting with aluminium profiles

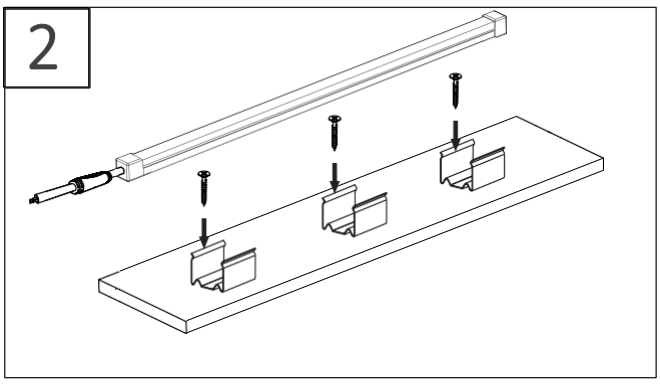
Install with the screws provided. Do not use screws of othertypes or sizes that do not meet requirements.



Description	W (mm)	H (mm)	Item Code
RL-1515-01 Strip with Aluminium clips	15.5	11.3	/

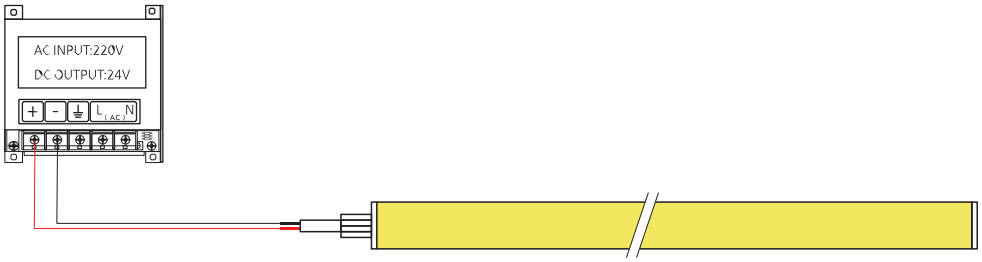




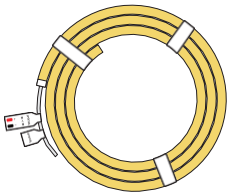


Schematic diagram of electrical connection

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

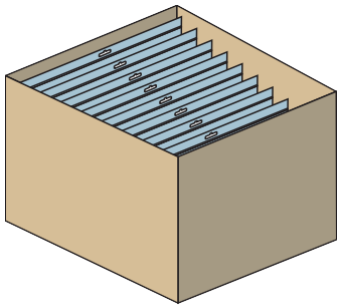


Package



Reel

Electrostatic bag



Carton

Packing completed

Quantity per roll (m)	Quantity per case (m)	Total weight (Kg)	Outer box dimensions (mm)		
			Length	Width	Height
5	100	20	550	550	240

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.

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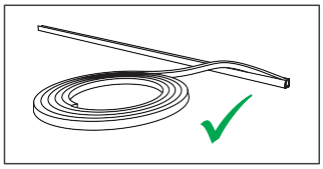
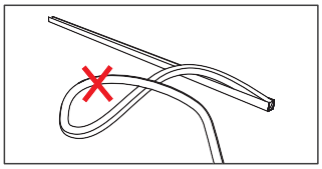
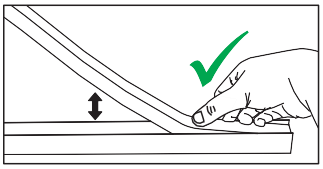
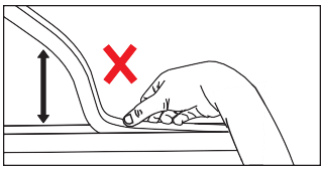
Installation Guidelines for LED Light Strips



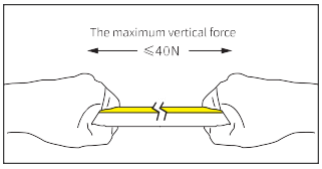


1.During LED strip installation, ensure to uncoil the strip loop by loop and maintain perpendicular alignment with the mounting profile. Avoid twisting or knotting of the strip at all times.

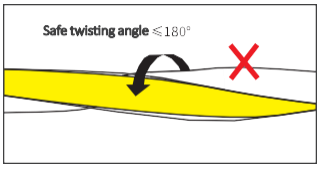




2.Align the LED strip with the opening of the profile, gently lift and press the strip into the profile, and strictly avoid excessive bending or lifting of the strip.

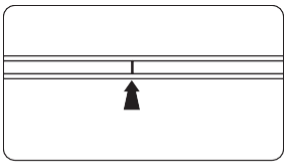


The safe tensile force for the LED strip shall be ≤40N Excessive force may damage the internal circuitry.

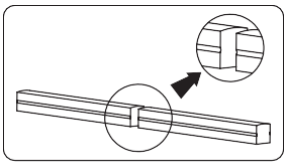


The safe twisting angle for the LED strip shall not exceed 180°.

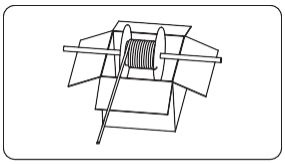
Warning sign



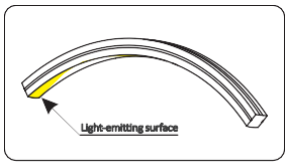
Cuttable Marking Area
(on the bottom or side of the product)



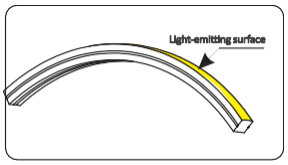
Neat and smooth cut



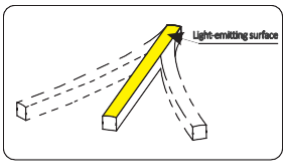
Mount the roll on a rod over the box and rotate to use



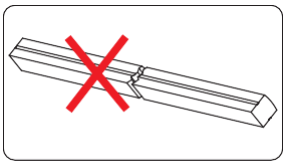
Top Bend



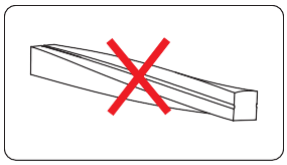
Side Bend



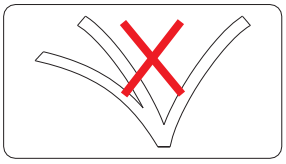
Do not bend left or right



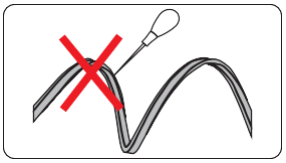
Do not leave uneven cuts



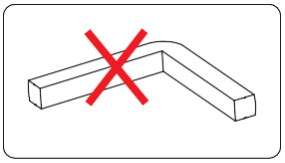
Do not twist during use



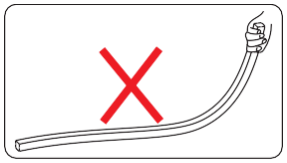
Repeated bending may damage electronic circuits



Do not puncture or scratch with sharp objects



Do not bend at sharp angles



Do not jerk or yank when using the product

1.The cutting marks are located on the PCB. Refer to the product cutting line window or laser markings on the surface to identify the trimming position.

2.During transportation and application, please observe the above warning labels. Proper handling ensures optimal performance and user satisfaction.

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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 ±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 ≤ 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.