

0612 Side Bend Neon Strip Data sheet

Side Bend



- Using silicone extrusion process, 06*12 Mini 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.
- Standard single-ended power supply supports a 5-meter connection
- Waterproof grade IP67 • 3/5 years warranty

Technologies

ON/OFF

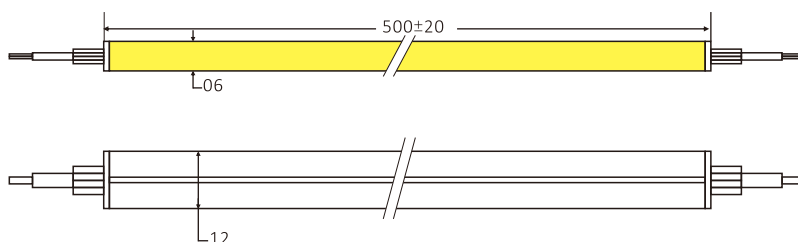
Application

- This product is suitable for engineering projects, park illumination, buildings, hotels, shopping malls, residential spaces, exhibition stands, and other applications. It can be used for indirect lighting, cove lighting, contour outlining, decorative lighting, and similar purposes.

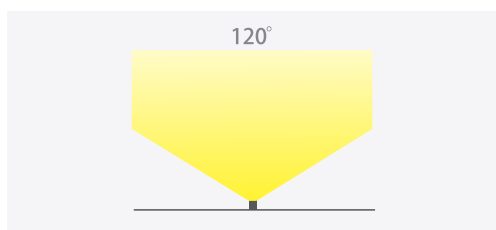
Color Options



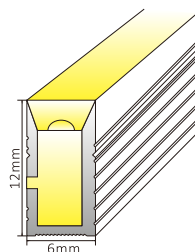
Dimensions



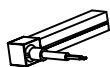
Beam Angle



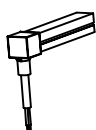
Sectional drawing



Recommended Accessories



Side exit
end cap



Bottom Exit
end cap



Direct Exit
End cap



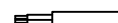
End cap



Bendable Profile



Clip



cable

Product Specifications

P/N	LED Quantity	CCT K	CRI	LED (SM)	LUMENS (lm/m)	Vf. (V.)	Current (mA/M)	Power (W/M)	Cut Length (MM)	Max Run (M)
RL-FV2410140283510-XXX-FWS0612	2835	2700	80/90	120	288	24	416	10	50	5
		3000			288					
		4000			300					

Other Specifications

Protection grade	IP67
Working temperature (°C)	-25~+60
Standard length (°C)	-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.

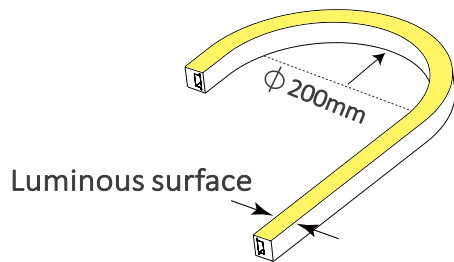
Applied Standards



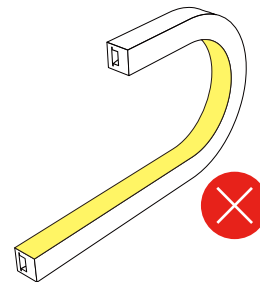
Installation

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

① Bending Direction & Min. radius

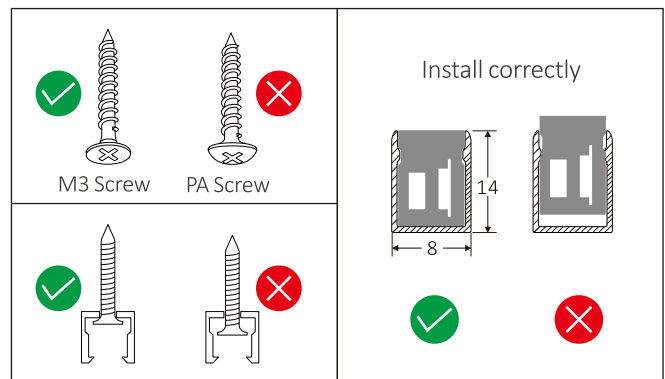
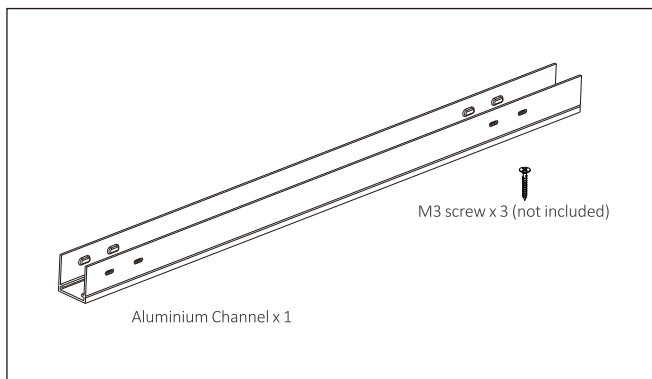


② Top bending prohibited



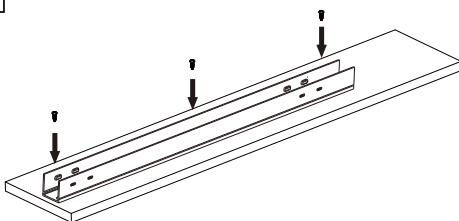
Mounting with aluminium profiles

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

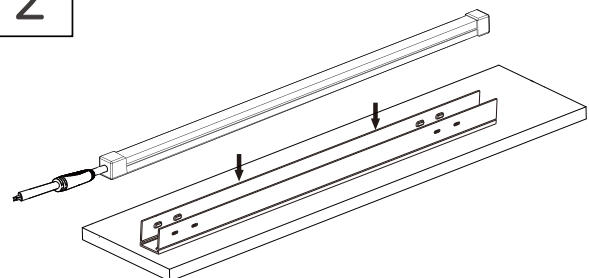


1

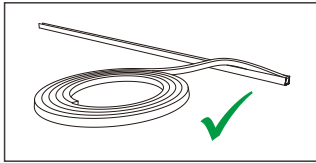
Use M3 screw every 200mm



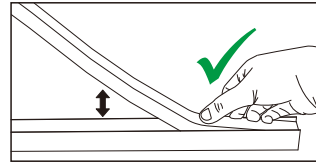
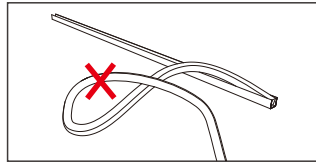
2



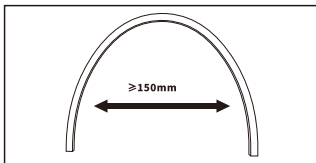
Installation Guidelines for LED Light Strips



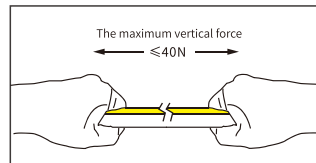
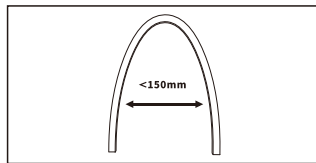
1. During LED strip installation, ensure to uncoil the strip loop by loop and maintain perpendicular alignment with the mounting profile. Avoid twisting or knotting of the strip at all times.



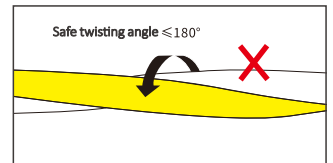
2. Align the LED strip with the opening of the profile, gently lift and press the strip into the profile, and strictly avoid excessive bending or lifting of the strip.



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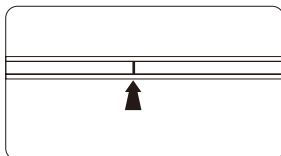


The safe tensile force for the LED strip shall be $\leq 40N$. Excessive force may damage the internal circuitry.

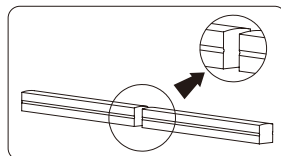


The safe twisting angle for the LED strip shall not exceed 180° .

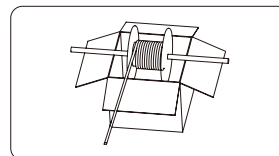
Warning sign



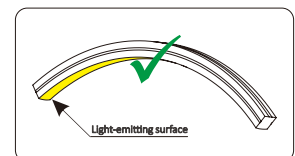
Cuttable Marking Area
(on the bottom or side of the product)



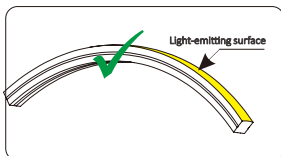
Neat and smooth cut



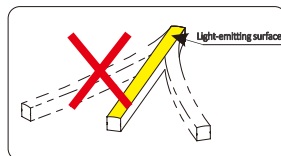
Mount the roll on a rod over the box
and rotate to use



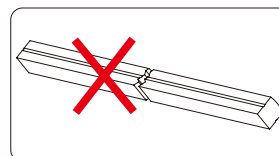
Top Bend



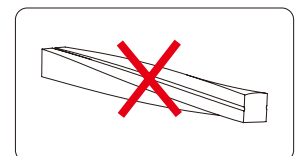
Side Bend



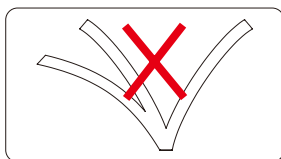
Do not bend left or right



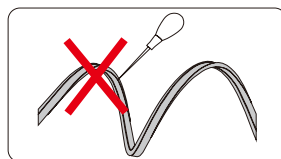
Do not leave uneven cuts



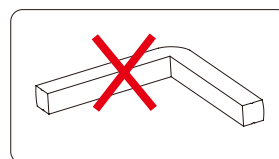
Do not twist during use



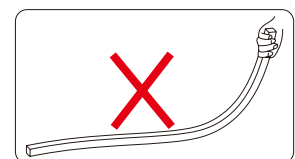
Repeated bending may damage
electronic circuits



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.

Installation Notes & Other Precautions

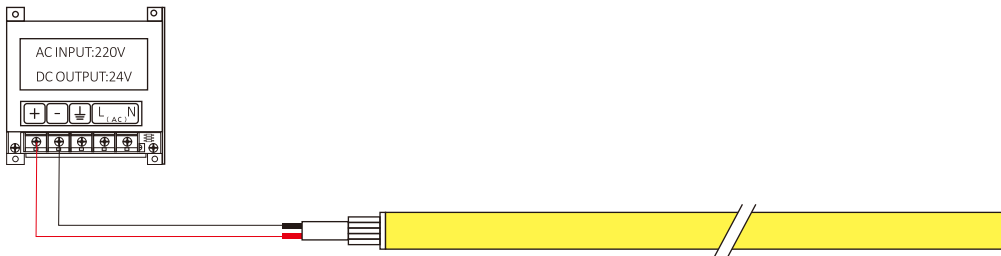
- Confirm all product parameters match your requirements
(refer to the "Product Specifications" document/manual or product label)
- Ensure the power supply and load voltage, current, and power ratings are compatible with this product
- Connect wires according to the wiring diagram (connect load before power supply/energizing)
Take care to avoid short circuits during installation
- Ensure correct polarity alignment between product wires and power supply terminals
(incorrect connection will prevent illumination)
- Power wires must be securely fastened in terminal blocks
(test by attempting to pull out by hand- wires should not come loose)
- All wiring terminals must receive proper waterproof and anti-corrosion treatment

Product Common Faults and Troubleshooting Methods

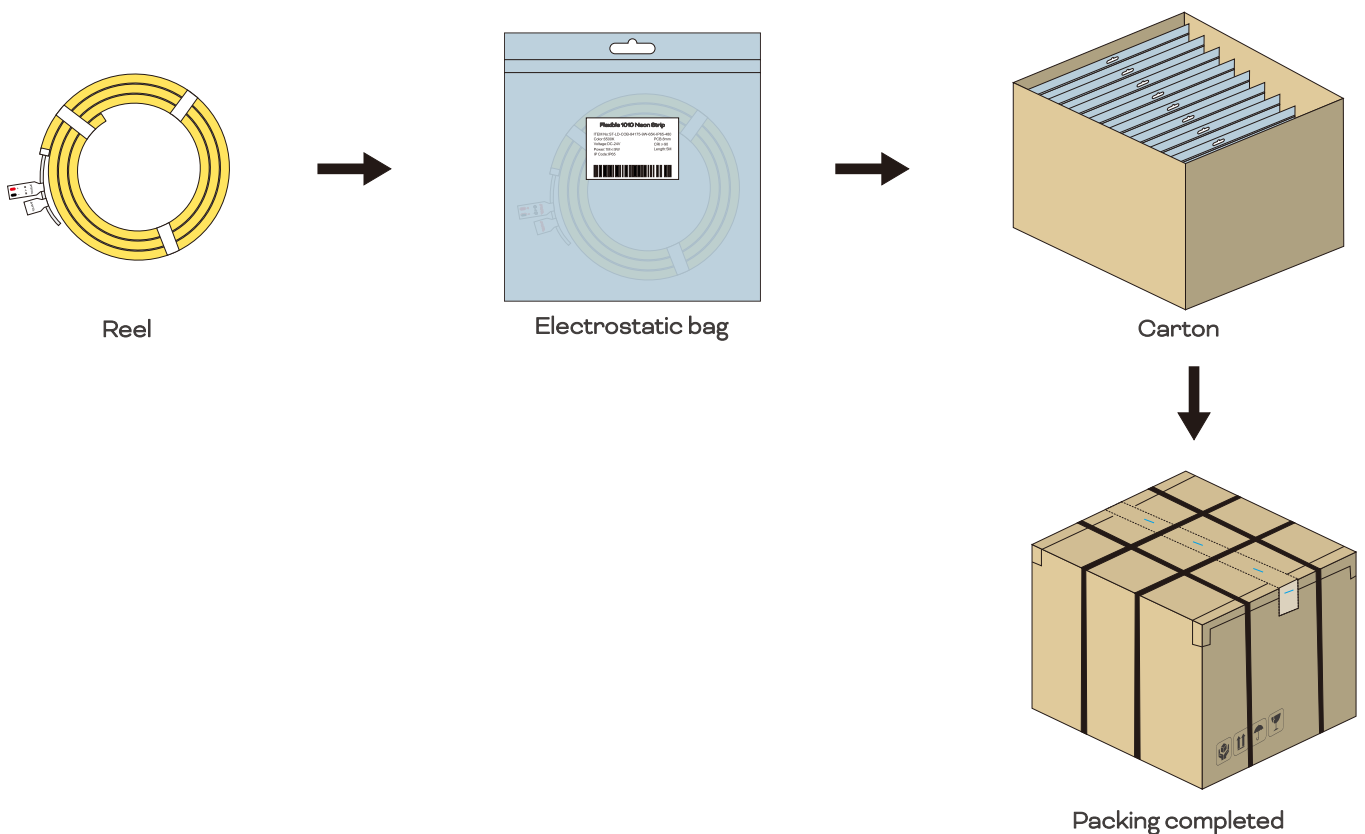
- Do not disassemble or modify this light. Sharp objects are prohibited from touching the LED surface.
- Live working is prohibited during installation.
- Do not use any oil-based chemical solvents.
- When using neutral silicone sealant to fix the product, it must be cured for more than 4 hours in a spacious and well-ventilated environment before enclosure.
- During installation, ensure all unconnected wire ends and branch connection points are properly insulated, waterproofed, and anti-corrosion treated as required.
- If extending the product's power supply cable, use 18AWG (0.75mm² cross-section) or thicker wire as specified to prevent overheating and potential hazards caused by excessive current.
- Before powering on, verify that the supply voltage meets requirements and the circuit is correctly installed.
- This product is designed for advertising signage purposes and should not be used as primary lighting.
- Strictly prohibit exceeding the maximum number of series connections or cascading length.
- The power cable between the power supply and product should not exceed the specified length (standard limit: 2 meters unless otherwise specified), as excessive length will increase line loss and cause brightness inconsistency between the product's start and end points.
- Installation, maintenance, and repairs must be performed by qualified professionals; unauthorized personnel are strictly prohibited from conducting these operations.

Schematic diagram of electrical connection

Monochrome temperature wiring diagram : 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.



Specialized
LED Strip Manufacturer

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