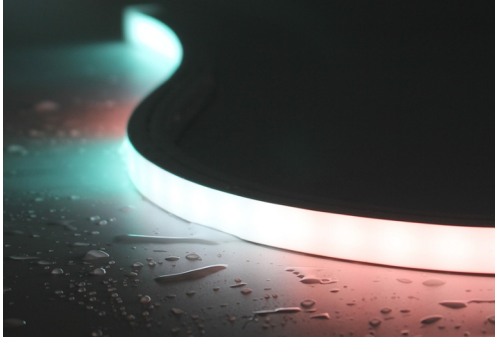


1616 Neon Strip Data Sheet

Top Bend



- Using silicone extrusion process, 16*16Mini 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
- 3 years warranty

Technologies

- ON/OFF, Dali, PWM, 0-10V, DMX2PWM Dimmer, Radio Frequency control

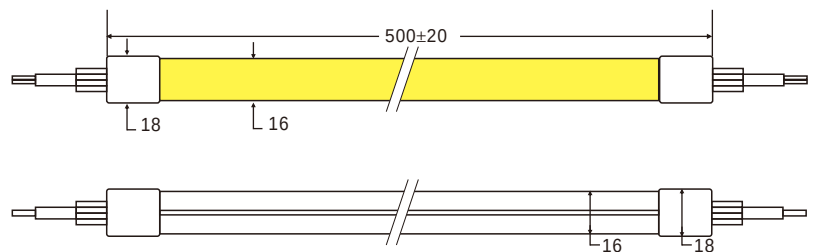
Application

- This product is suitable for hotels, KTVs, homes, cabinets, courtyards, etc., for contouring, atmosphere lighting decoration and other purposes.

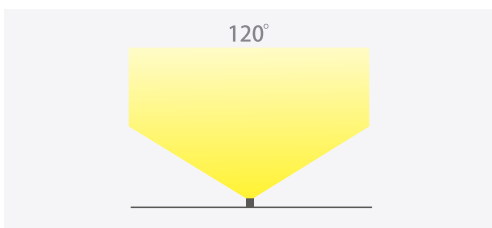
Color Options



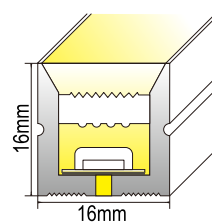
Dimensions



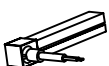
Beam Angle



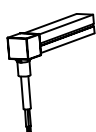
Sectional drawing



Recommended Accessories



Side exit
end cap



Bottom Exit
end cap



Direct Exit
End cap



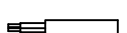
End cap



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-FV2410140283512-XXX-FWD1616	2835	2700	80/90	140	700	24	500	12	50	5
		3000			700					
		4000			720					
		6500			720					
RL-FV2410060505012-RGB-FWD1616	2835	2700+6500	80/90	192	600	24	583	12	62.5	5
RL-FV2410060505012-RGB-FWD1616	5050	R:620-625	/	60	40	24	500	12	100	5
		G:515-520			96					
		B:465-470			24					
RL-FV2410060505012-SPI-FWD1616	5050	R:620-625	/	60	60	24	541	13	100	5
		G:515-520			140					
		B:465-470			36					
RL-FV2412060505012-DMX-FWD1616	5050	R:620-625	/	60	60	24	541	14	100	5
		G:515-520			140					
		B:465-470			36					
		2700/6500			160					

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.

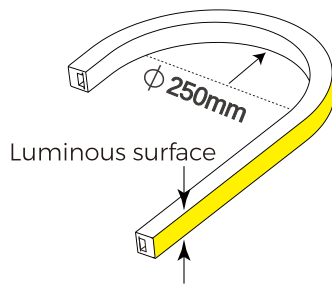
Applied Standards



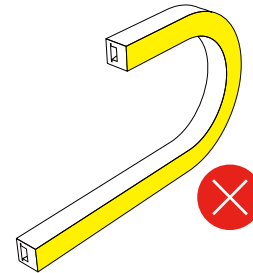
Installation

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

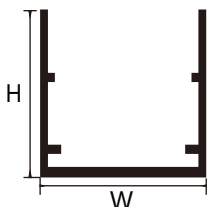


② Side bending prohibited



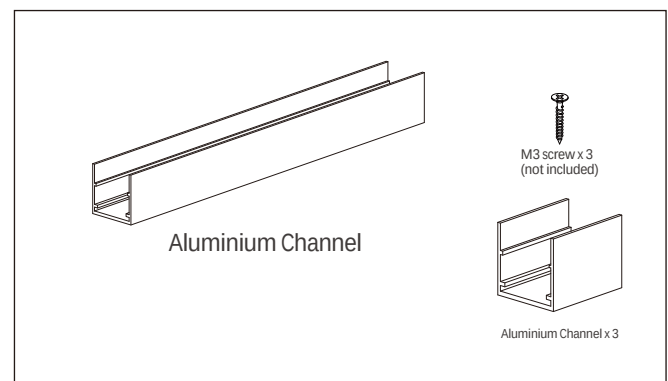
Mounting with aluminium profiles

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

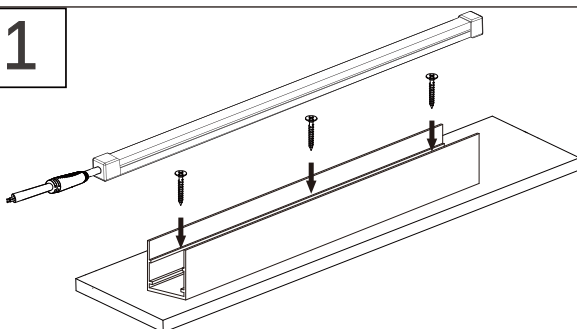


RL-1616-01

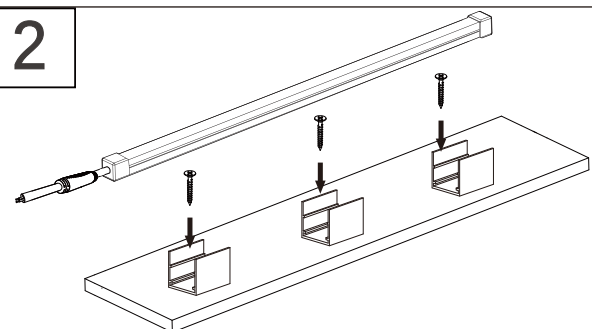
Description	W (mm)	H (mm)	Item Code
RL-1010-01	18	18	/



1

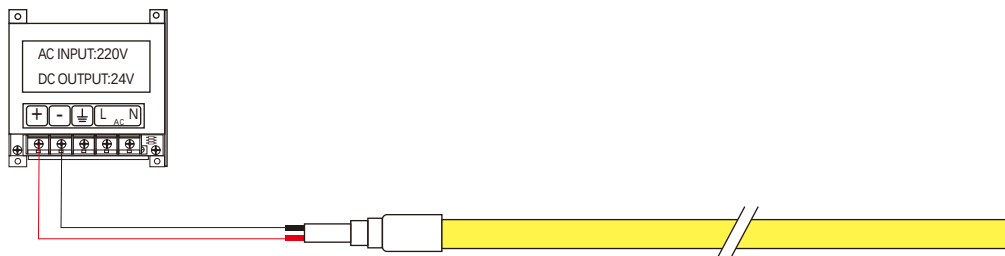


2

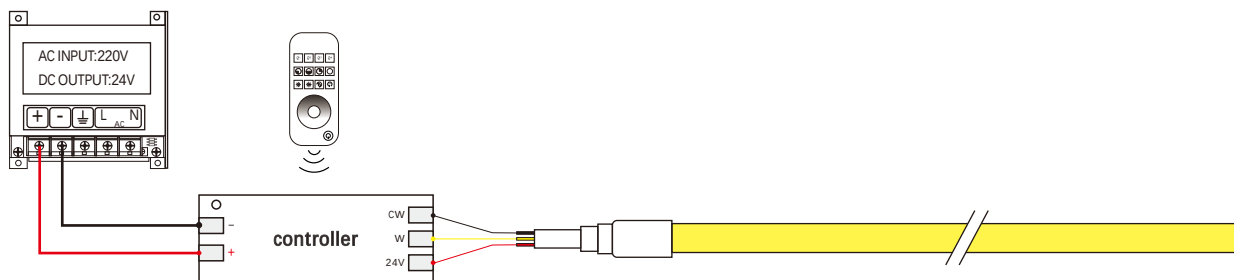


Schematic diagram of electrical connection

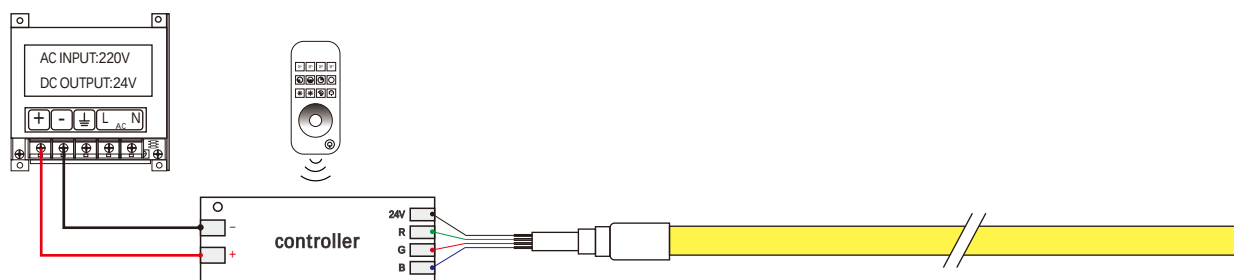
1. Monochrome temperature wiring diagram 1: Power + lamp belt connection mode



2. Two-color temperature wiring diagram: power + controller + lamp belt connection

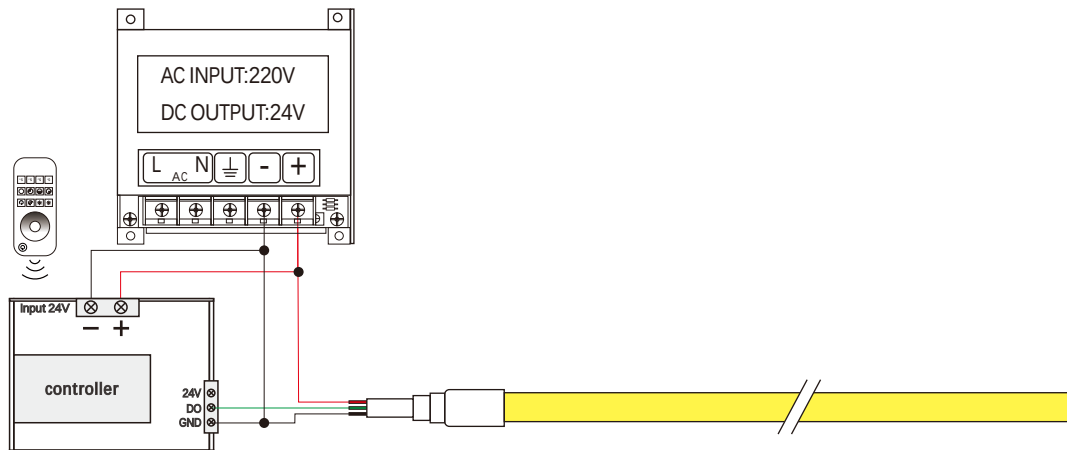


3. RGB wiring diagram: Power + controller + light belt connection mode

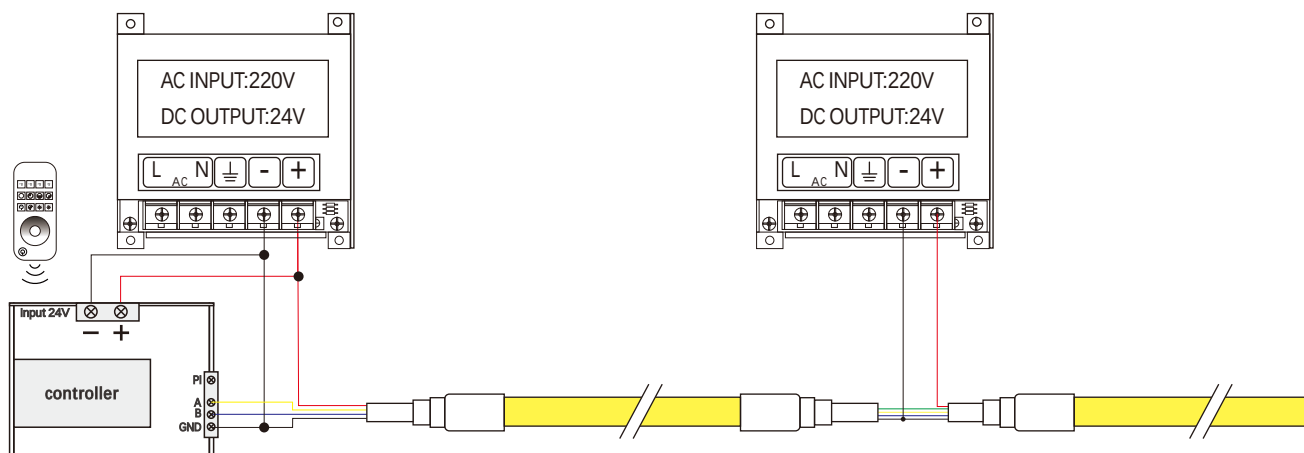


Schematic diagram of electrical connection

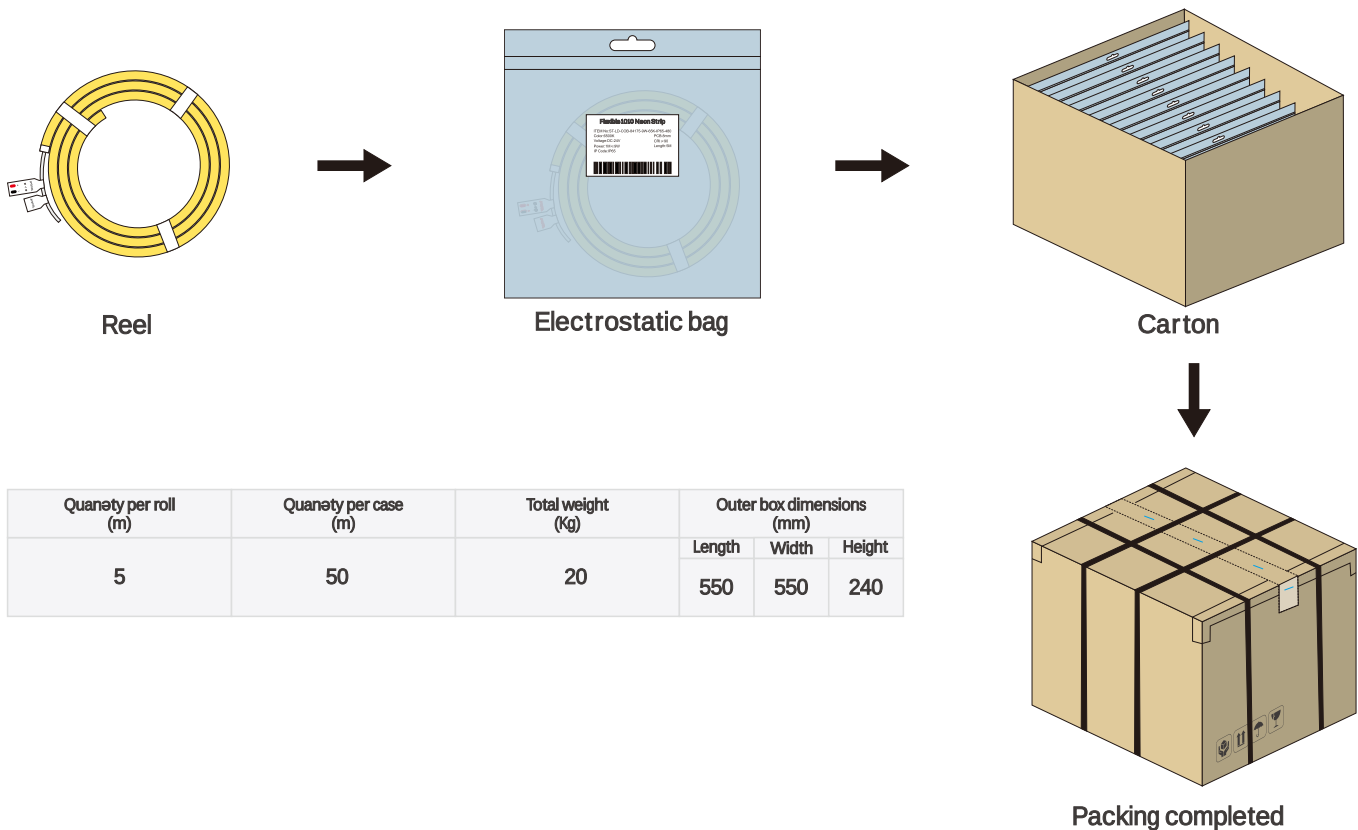
4.SPI wiring diagram: Power + controller + light belt connection mode



5.DMX512 wiring diagram: Power + controller + light belt connection



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 o	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 o	1.Parallel switching power supply failure	Inspect power supply system and resolve faults
	2.Wiring error in parallel LED strip circuits	
	3.Reverse polarity in parallel 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 $\leq$ 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



- 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 Lighthouse Co., Ltd. reserves the final interpretation rights of this manual.



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