

D25mm 360° Neon Strip Data Sheet



- high quality gold wire lamp beads, LM80 test certification
- SM18522PS, grayscale, etc. : 65536 level, refresh frequency 4KHZ
- Unique optical light distribution structure design, uniform surface light without shadow
- silicone extrusion molding, food grade silicone material, the surface is sprayed and comfortable to touch
- salt solution resistance, acid and alkali corrosion resistance, flame retardant resistance, UV resistance
- Waterproof grade IP67 • 5 years warranty

Technologies

- ON/OFF,DMX,SPI

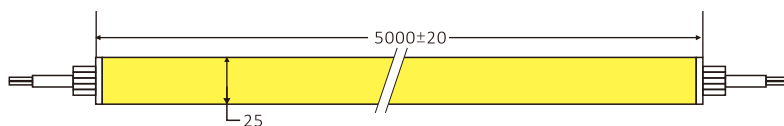
Applicatio

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

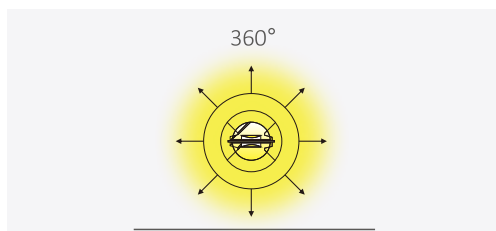
Color Options



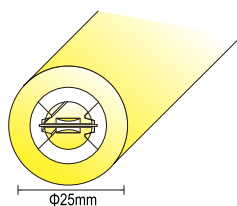
Dimensions



Beam Angle



Sectional drawing



Recommended Accessories



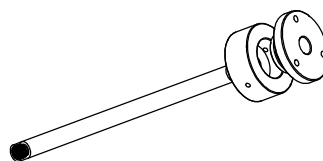
Straight exit end cap



Side exit end cap



End cap



Hoisting parts

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-FV2410360283516-XXX-FWCD25	2835	2700	/	360	800	24	666	16	33.3	5
		3000			800					
		4000			850					
		6500			850					
RL-FV2410240283516-SPI-FWCD25 (SM6603ST3)	2835	R:620-625	/	280	450	24	666	16	50	5
		G:525-530								
		B:465-470								
RL-FV2410168505016-DMX-FWCD25	5050	R:620-625	/	168	410	24	666	16	83.3	5
		G:525-530								
		B:465-470								
		W:2700-6500								

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

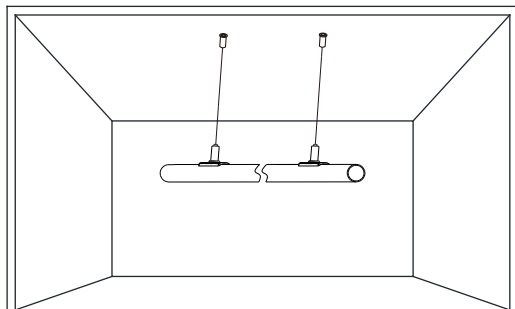
- The test environment temperature is 25±2°C;
- The above data are typical values, the actual parameters of the product may be different from the typical data; the data is subject to change without notice;
- The above "/" means that this parameter is not required for the time being.

Applied Standards

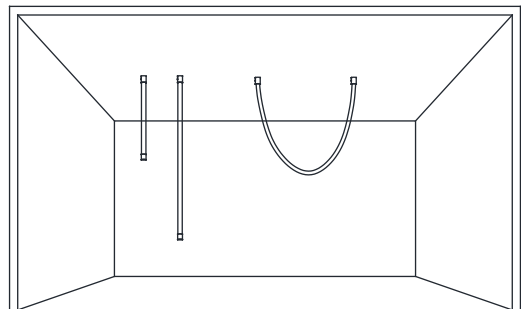


Mounting with aluminium profiles

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

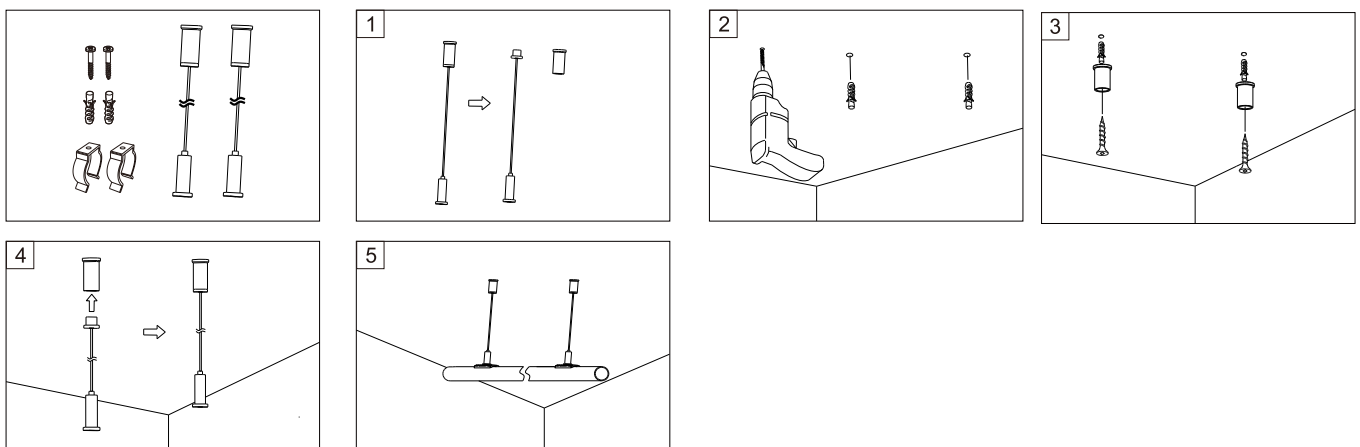


Ceiling-mounted installation

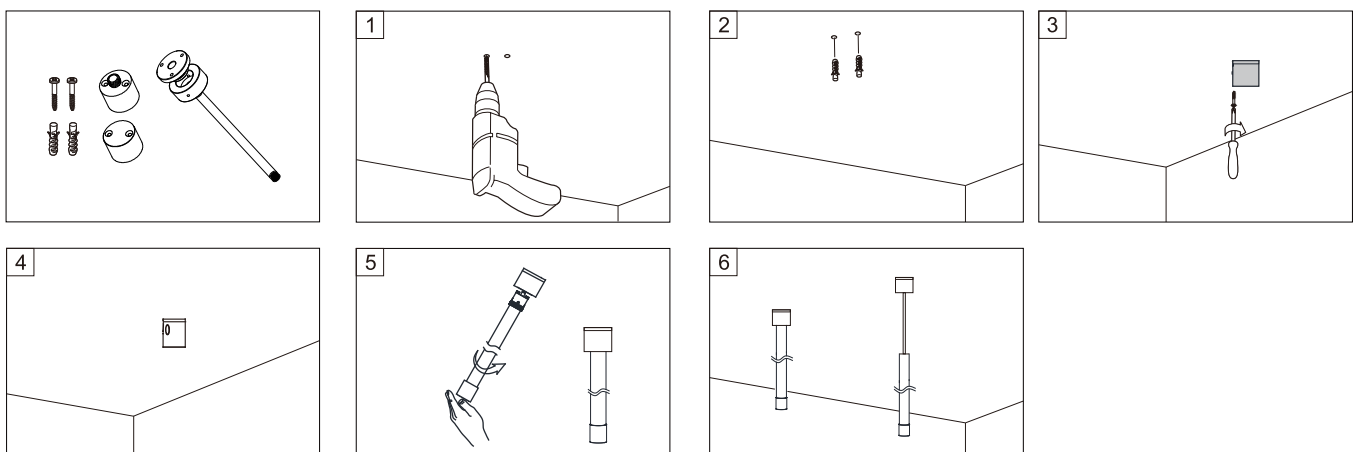


Snap-on clip and suspension rope installation

Ceiling-mounted installation Installation method

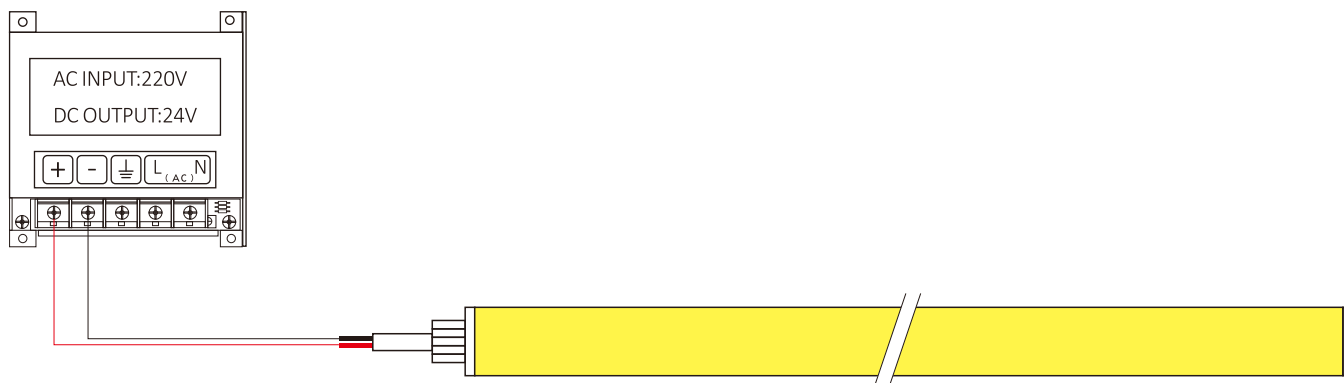


Snap-on clip and suspension rope installation Installation method

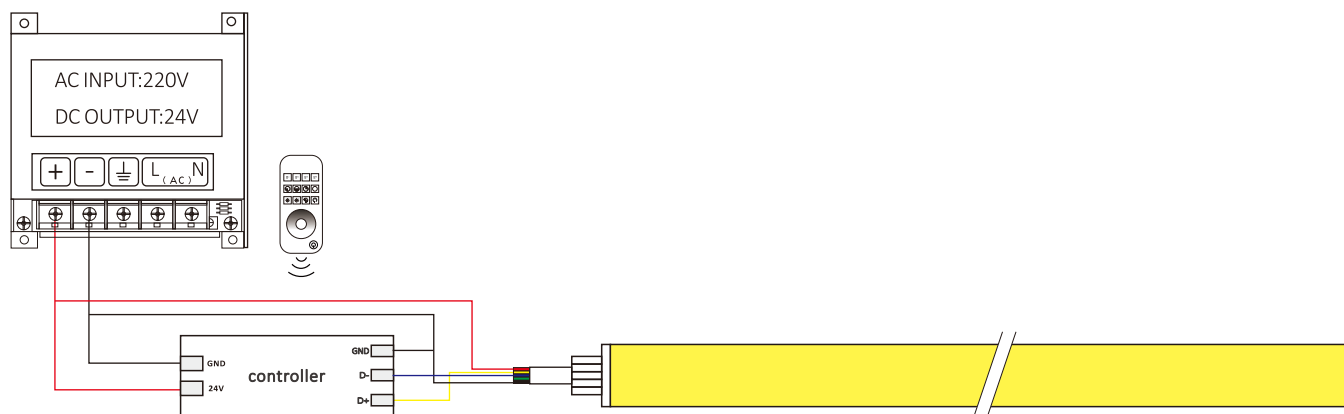


Schematic diagram of electrical connection

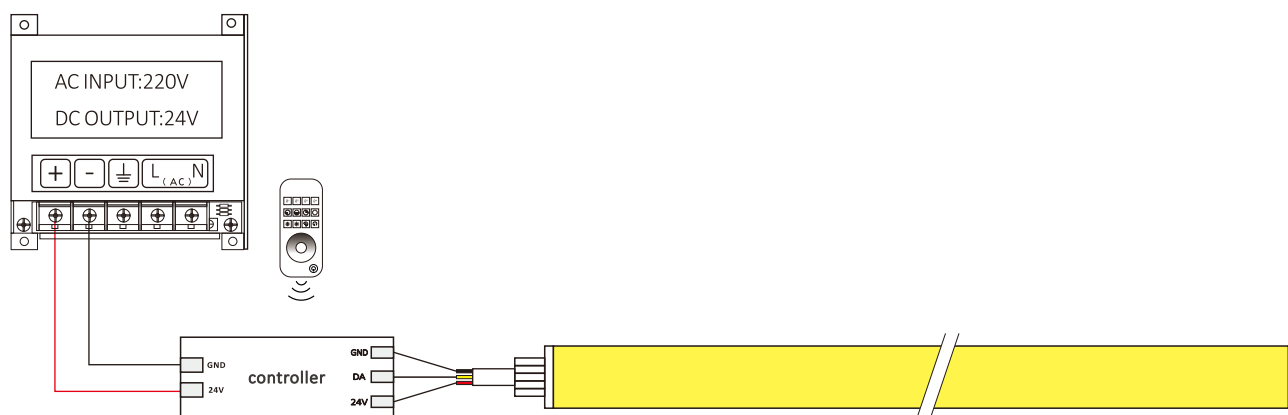
1.Monochrome temperature wiring diagram 1: Power + lamp belt connection mode



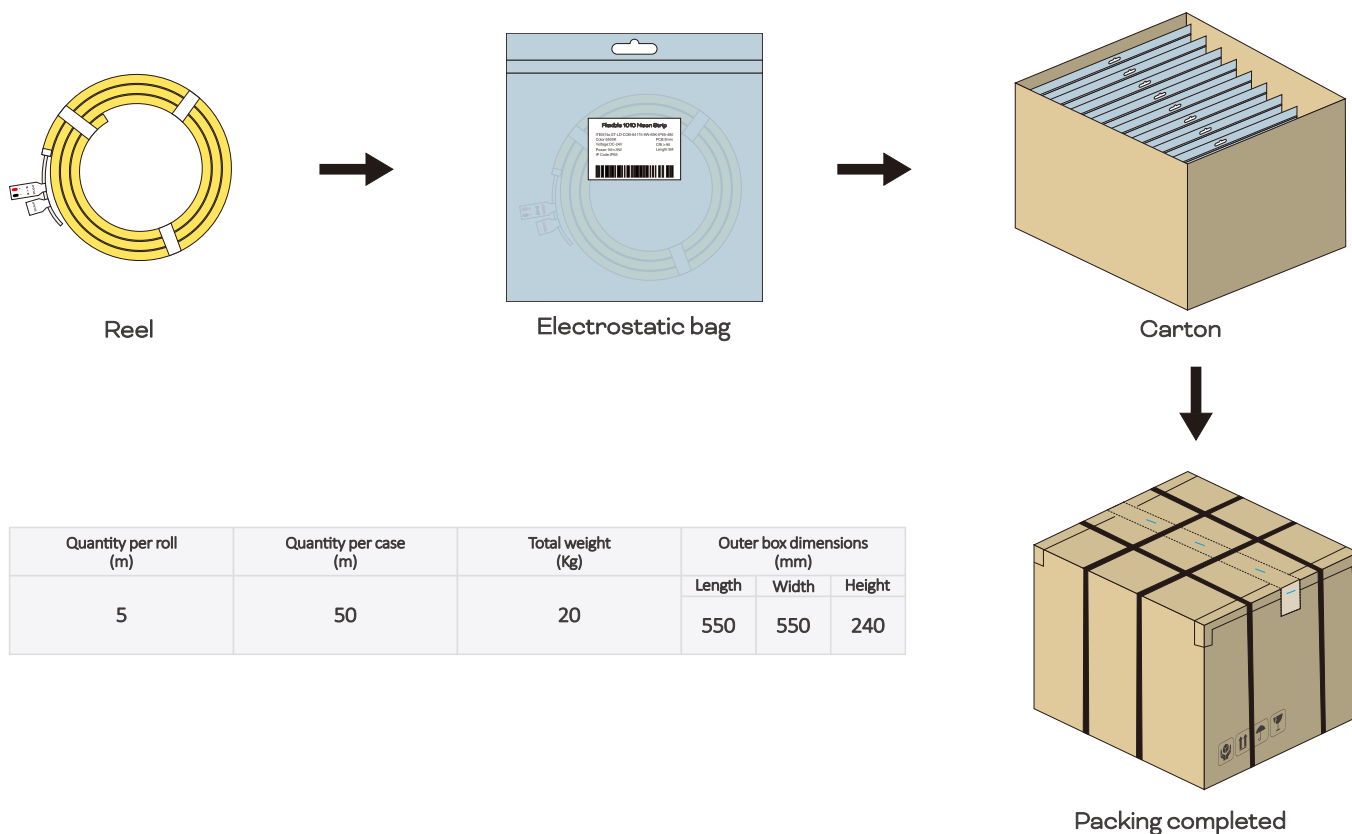
2.SPI wiring diagram: Power + controller + light belt connection mode



3.DMX 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 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 \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



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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