

120D Single Color FULL Spectrum LED Strip Data Sheet



- FULL Spectrum LED Strip
- 120 LEDs per meter, featuring a brand-new product ID design that is concise, aesthetically pleasing, and of high quality
- Uniform light emission, easy installation, and reliable performance
- Ultra-high LED density for eliminating light spots and dark areas
- This product complies with certifications such as CE, CB, RoHS, UL, and ETL.

Technologies

- ON/OFF

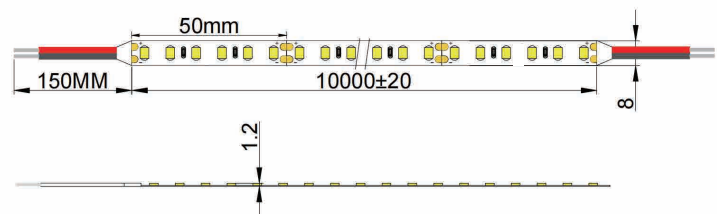
Application

- Application: Home Decoration, Including Construction Projects, Buildings, Hotels, Malls, Indirect Lighting, Cove Lighting, Accent Lighting

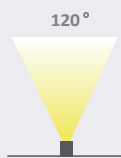
Color Options



Dimensions



Beam Angle



Product Specifications

P/N	LED Quantity	CCT K	CRI	LEDs /m	LUMENS (lm/m)	Voltage	Current (mA/M)	Power (W/M)	Cut Length (MM)	Max Run (M)
RL-FV240812012-930	2835	3000	97	120	1080	24	500	12	50	10
RL-FV240812012-935		3500		120	1100		500	12	50	
RL-FV240812012-940		4000		120	1150		500	12	50	

Other Specifications

Protection grade	IP20
Working temperature (°C)	-25~+60
Standard length (°C)	-25~+70
Maximum cascade length (m)	10
weight	/

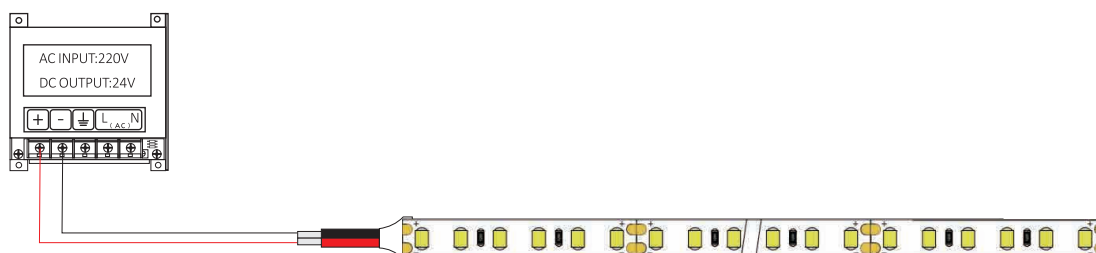
Remark

- 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.

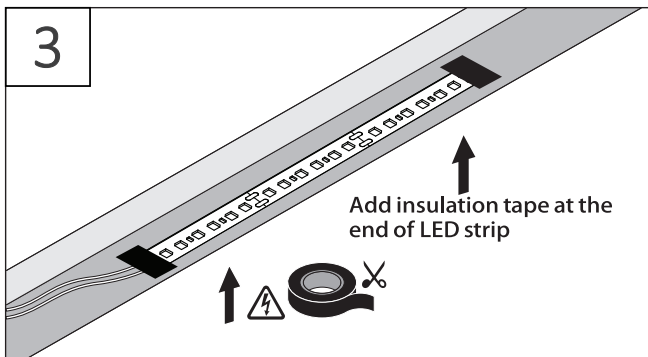
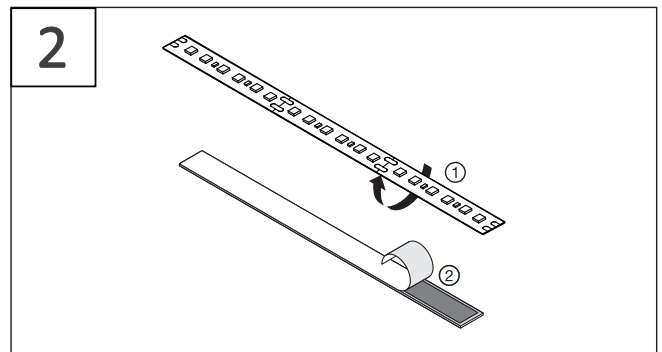
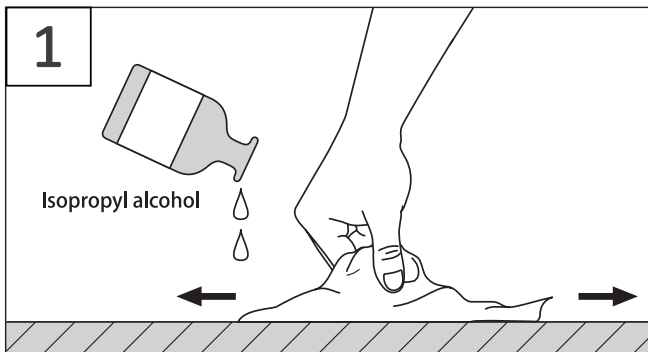
Applied Standards



Schematic diagram of electrical connection

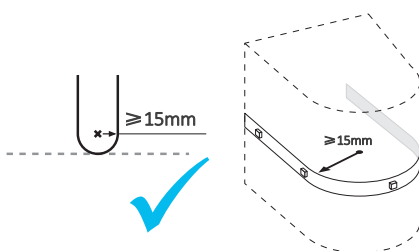


Installation

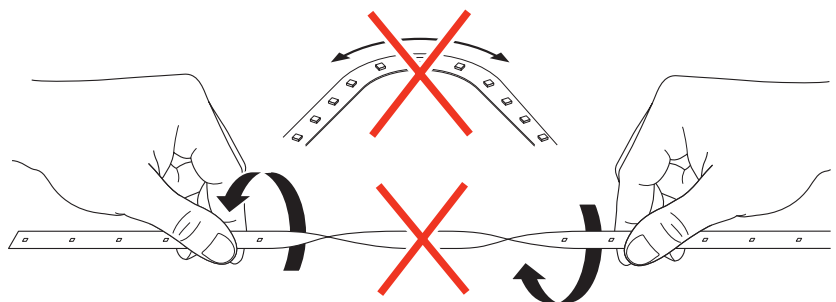


Do's and Don'ts

Minimum Bending Radius



Do Not Twist



Note: During bending operations, please follow the standard operations in the above diagram. Excessively small bending angles or non-standard operations will cause adverse effects to the product's internals.

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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