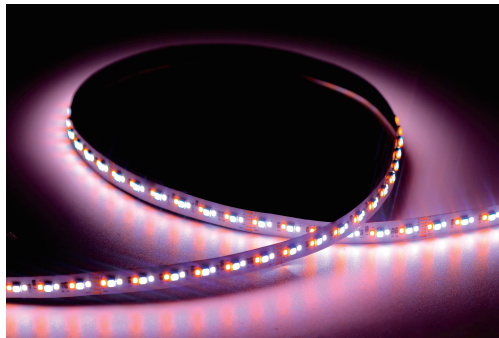


RGBCW IP20 Bare Flexible LED Strip Data Sheet



- DC24V Constant Voltage Technology (CVT)
- Compatible with all kinds of RGBCW controllers , convenient
- High lighting efficiency, low heat, without Mercury, environmental-friendly
- Waterproof grade IP20
- Adhesive backing installation

Technologies

- ON/OFF

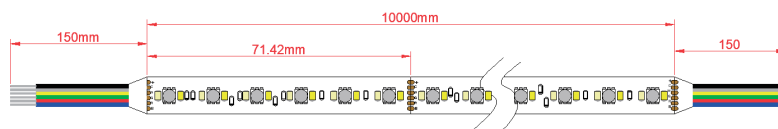
Application

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

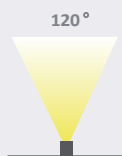
Color Options



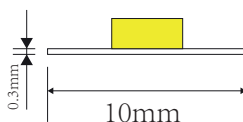
Dimensions



Beam Angle



Sectional Drawing



Product Specifications

P/N	LED	CCT K	CRI	LEDs /m	LUMENS (lm/m)	Current (mA/M)	Power (W/M)	Cut Length (MM)	Max Run (M)
RL-FV24102523535+221624	3535 +2216	R:615-625	80/90	252	55	112	2.7	71.4	10
		G:525-530			190	116	2.8		
		B:465-470			30	104	2.5		
		C:12000K			800	333	8		
		W:1800K			650	333	8		

Other Specifications

Protection grade	IP20
Working temperature (°C)	-25~+40
Standard length (°C)	-25~+70
Maximum cascade length(m)	10
Maximum cascade length (m)	10
Weight	/

Remark

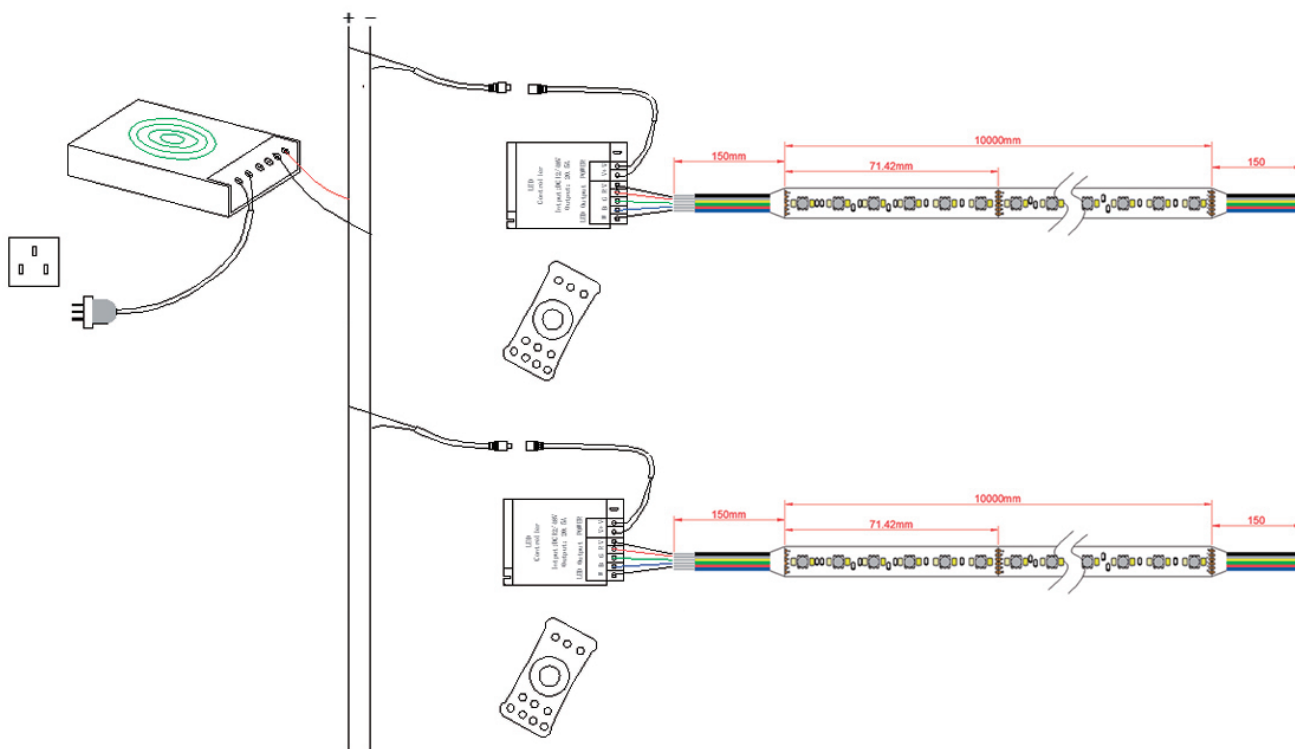
- The test environment temperature is 25±2°C;
- The above data are typical values, the actual parameters of the product may be different from the typical data; the data is subject to change without notice;
- The above "/" means that this parameter is not required for the time being.

Applied Standards

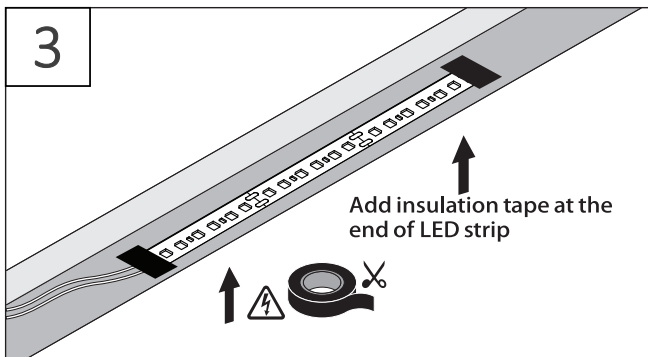
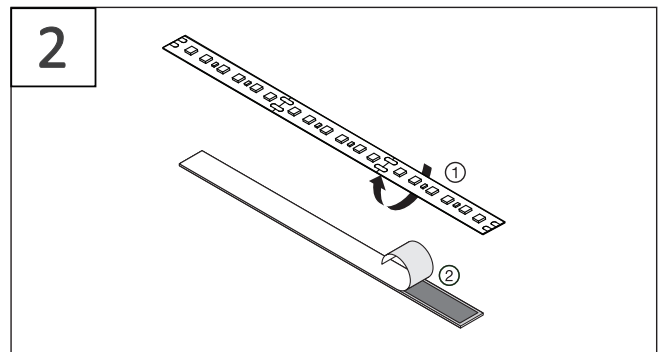
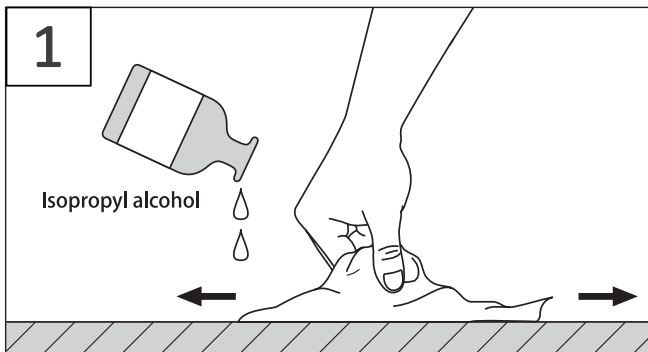


Schematic diagram of electrical connection

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

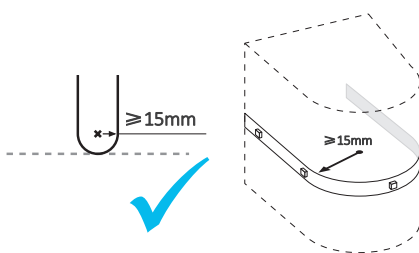


Installation

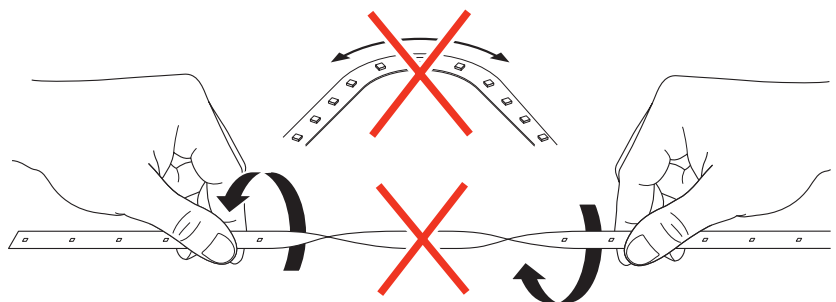


Do's and Don'ts

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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