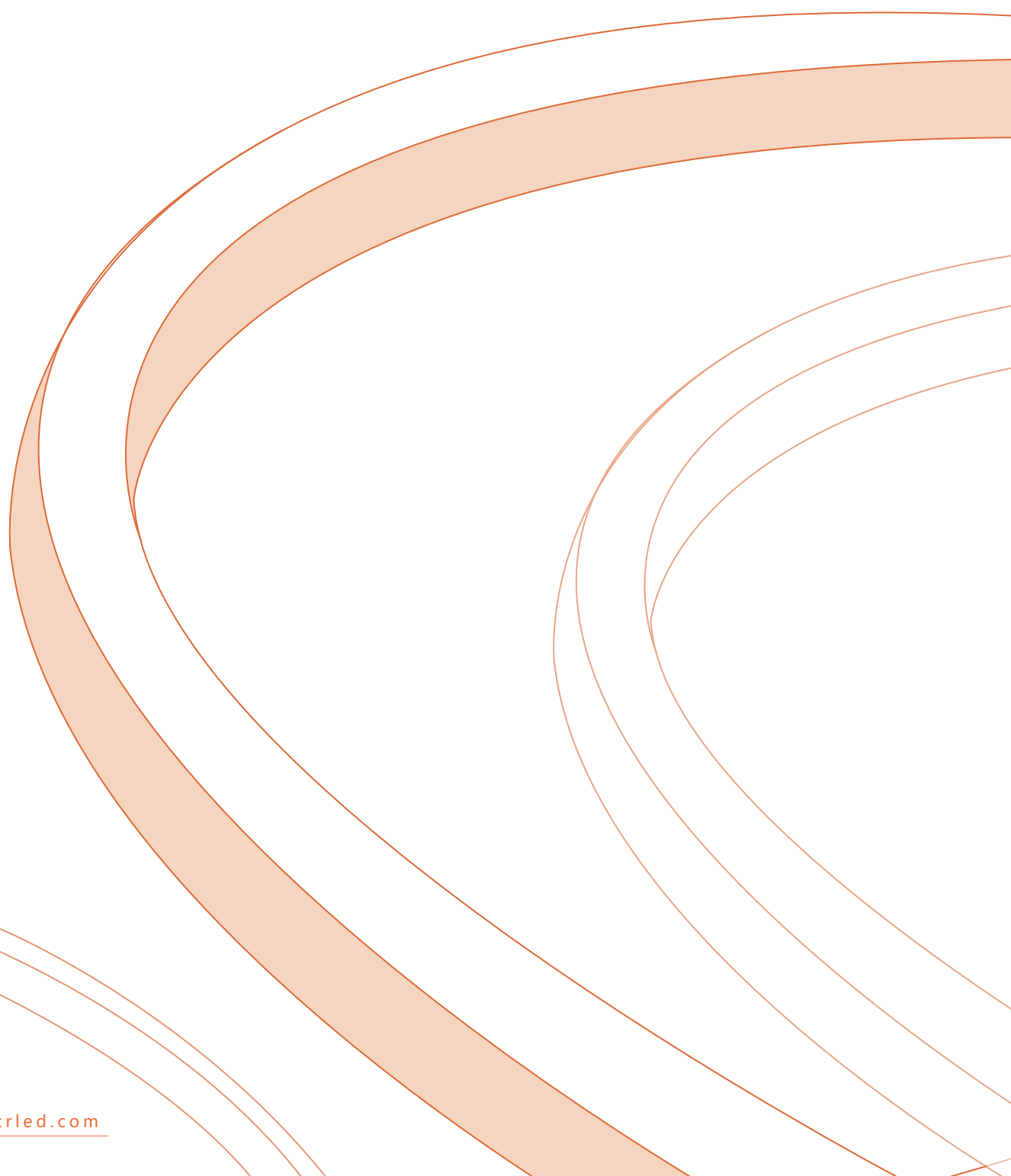
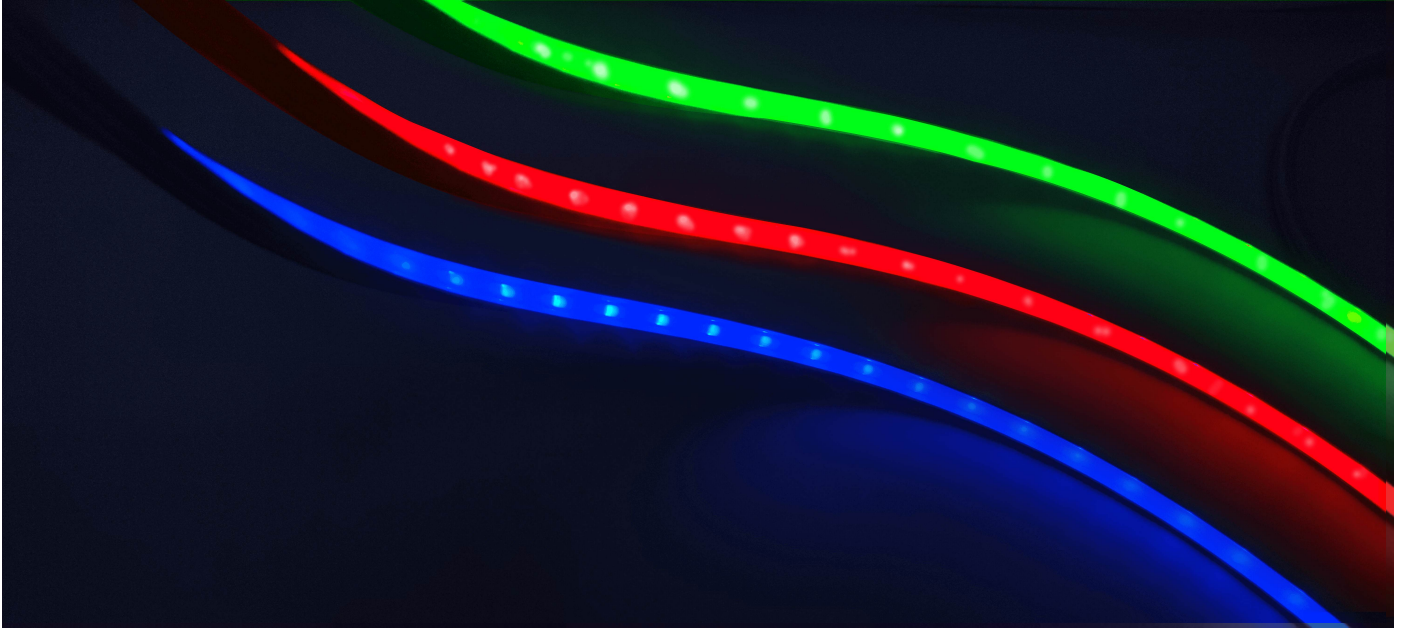


BEAMFLEX 2835 RGB LED STRIP

RTR LED Limited 



BEAMFLEX 2835 RGB LED STRIP (13°x13°WALL WASHER J022)
(10mm 24VDC 126LED/meter 17W/meter)



Features

- 1. Can replace the traditional LED strip to achieve the effect of wall-washing
- 2. Structural patent technology
- 3. Silicone extrusion technology
- 4. RTR (R2R, Roll to Roll) manufacturing process
- 5. 5 years warranty
- 6. Dimmable
- 7. RGB
- 8. Optic lens:13°x13°

Application

- 1. Residential lighting
- 2. Display cabinet lighting
- 3. Hotel and club lighting



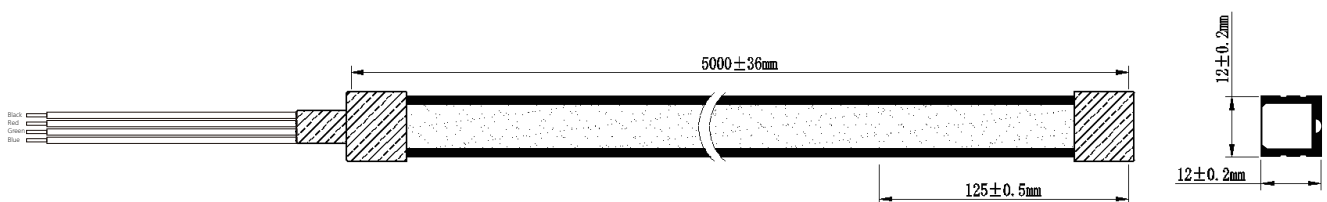
- 4. Shop boutique lighting
- 5. Corridor reception lighting



Normative requirement

- 1. Photobiological safety: IEC 62471
- 2. Ingress Protection: EN 60529
- 3. Safety Requirement: EN 62031 IEC 60598-1
- 4. EMC/radio disturbance characteristics: EN 55015
- 5. RoHS: Yes
- 6. CE: Yes

Dimension



Photoelectric parameters

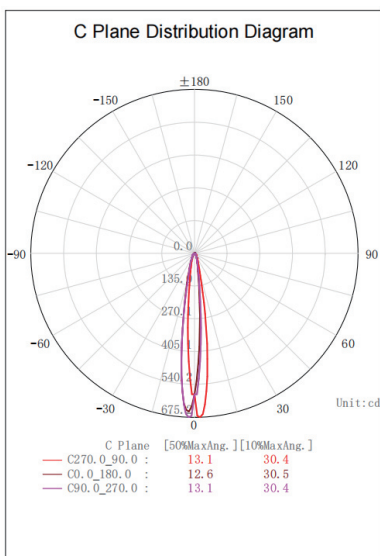
Part No.	V/ DC	Pow. (W/m)	CCT	CRI	LM/M	LM/W	nm
RTR-CAA24-6000	24	5	R	27	170	34	620-630
		6.5	G	0	520	80	520-530
		6	B	0	110	18	460-470
		17	RGB	56	770	45	480-490

Technical parameters

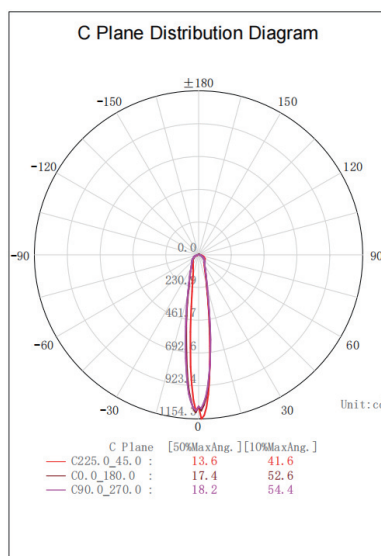
LED/m	Minimum cut length(mm)	Maximum run length (mm)	Ambient temperature	Operating temperature	Storage temperature	IP rating
126	166.67	5000	-20 ... + 40°C	-20 ... + 80 °C	-35 ... + 80°C	66

Light distribution(cd)

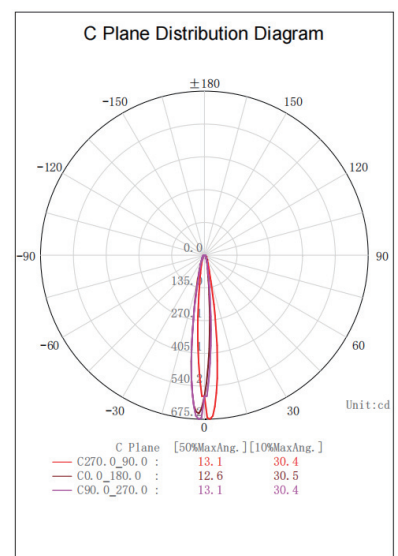
Beam angle(2X θ 1/2): 13°x13°



R



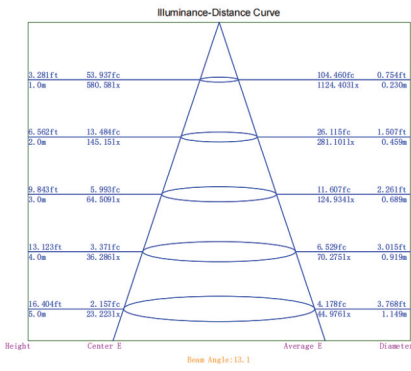
G



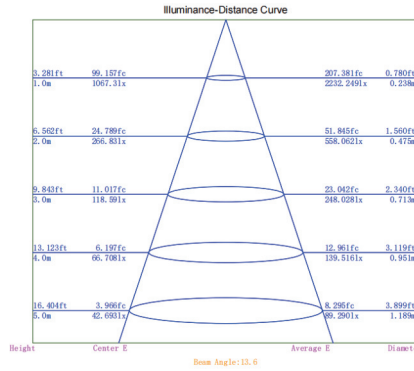
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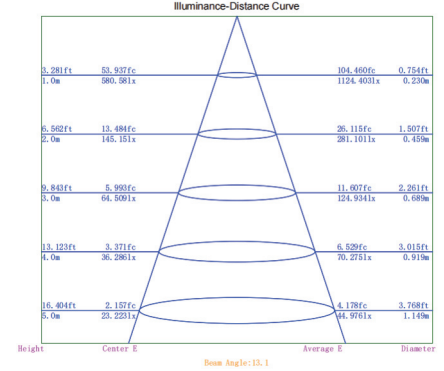
Lux diagram



R



G

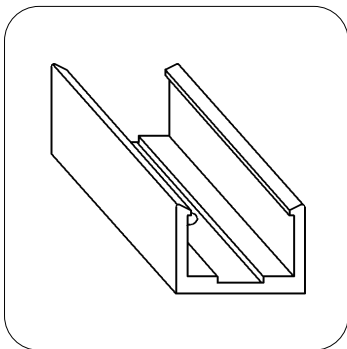


B

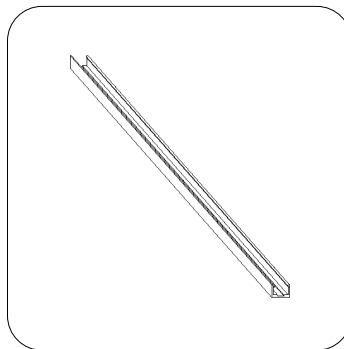
Working length and recommended power supply relationship

Part No.	Working length (mm)	Voltage (VDC)	Current (A)	Power consumption (W)	Recommended power supply (W)	Power supply mode
RTR-CAA24-6000	1000	24	0.6	17	24	Single end
RTR-CAA24-6000	5000	24	2.5	60	72	Single end

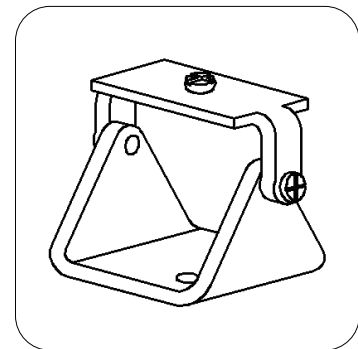
Accessories



11600002



11600001



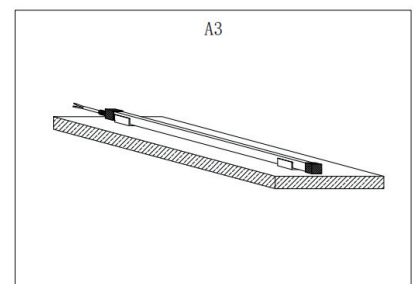
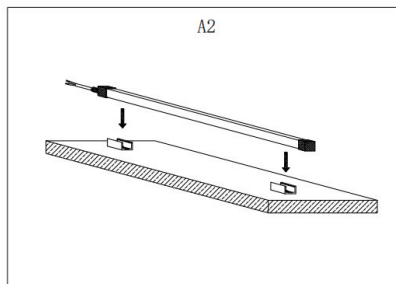
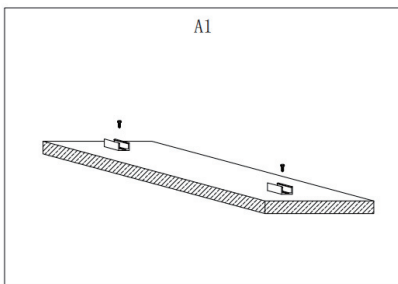
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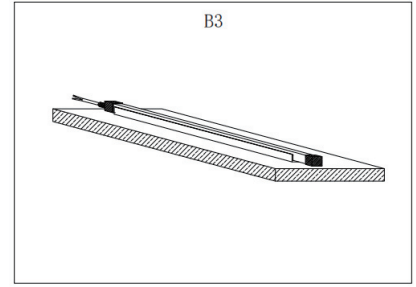
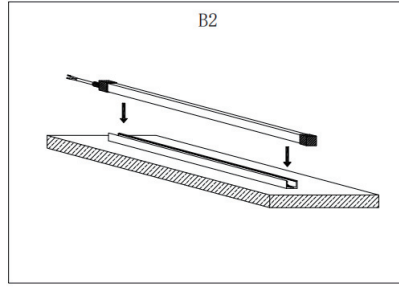
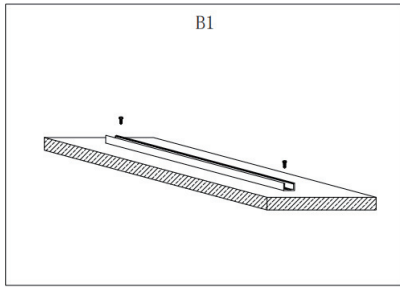
Installation

Installation number	Installation	Installation Steps	Description
A	Flexible LED strips and Clip installation	A1	Lock the clip firmly with a self-tapered screw.
		A2	The flexible LED strip is fixed in the clip, light-emitting area face up.
		A3	Finished
B	Flexible LED strips and aluminium profile installation	B1	Lock the aluminium profile firmly with a self-tapered screw.
		B2	The flexible LED strip is fixed in the aluminium profile, light-emitting area face up.
		B3	Finished
C	Flexible LED strips , aluminium profile and Adjustable Angle Base installation	C1	Lock the aluminium profile and adjustable angle base with Machine tooth screws
		C2	The flexible LED strip is fixed in the aluminium profile, light-emitting area face up.
		C3	Flexible LED strips fixed.
		C4	Lock the adjustable angle base with self-tapered screws, Adjust the rotation angle of the adjustable angle base as needed.

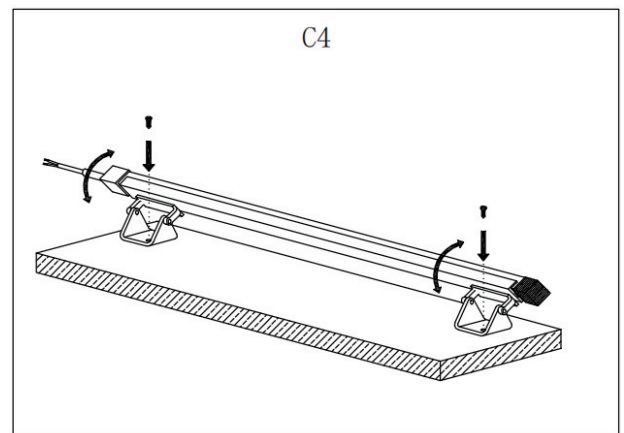
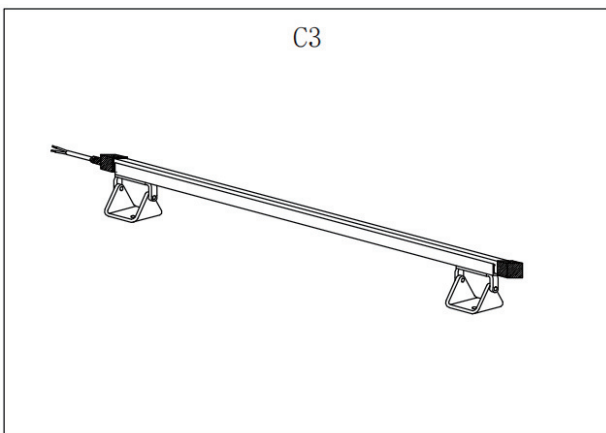
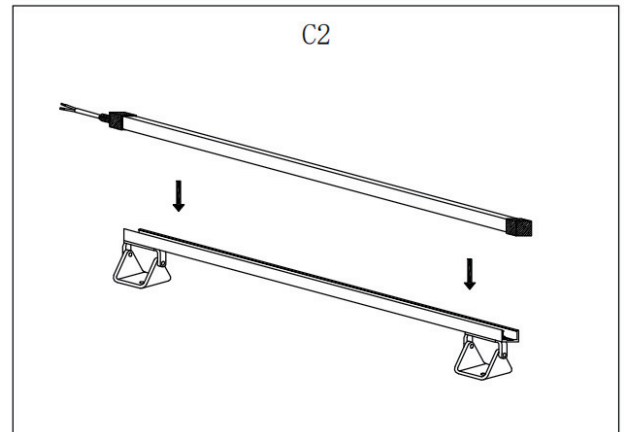
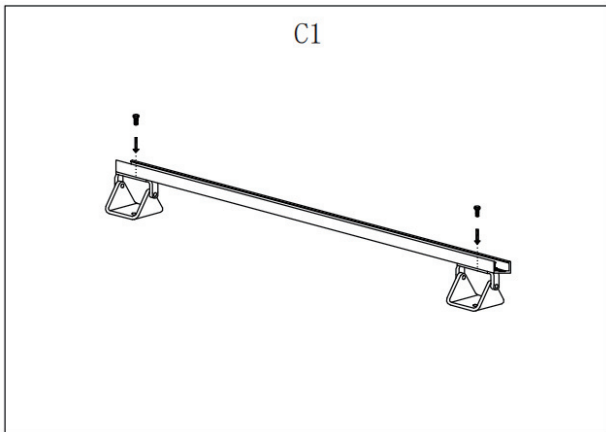
A



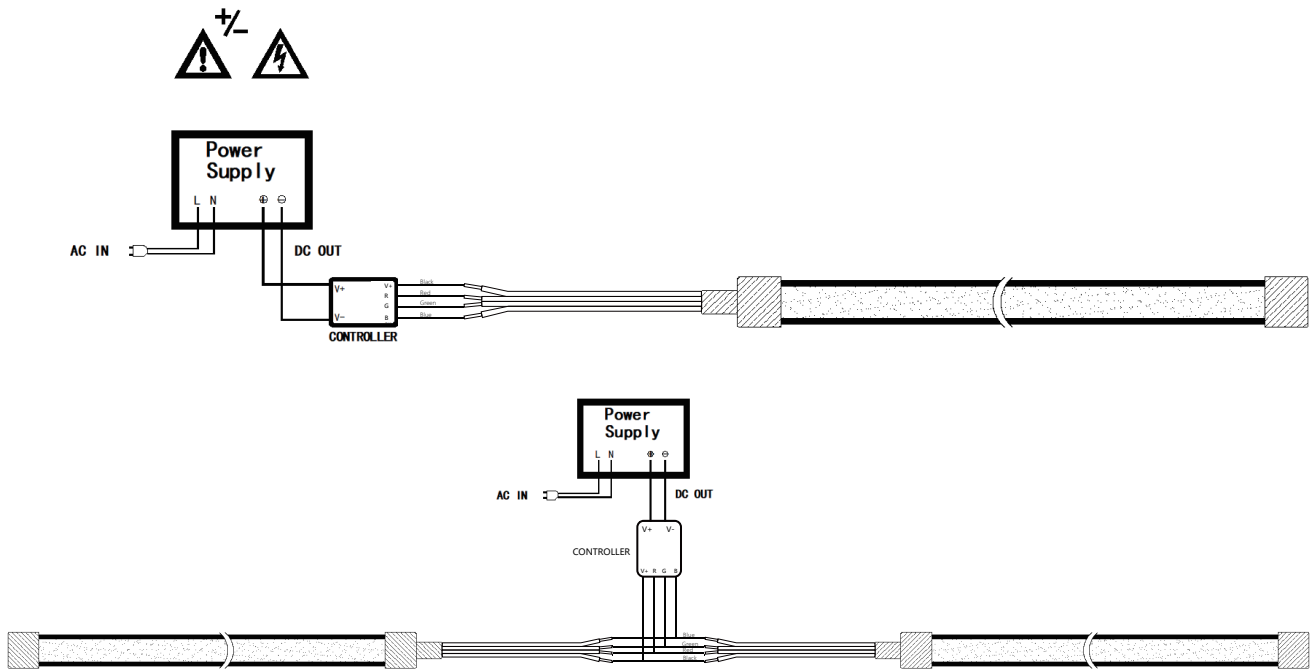
B



C



Wiring diagram



Reliability testing

No:	Name	Test condition	Standards
1	High and low temperature cycle test	-40°C, 1Hrs; 60°C, 1Hrs; 4 hours per cycle; continuous testing occurred for 168 hours.	IEC60068-2-14 IES LM-79
2	High temperature lighting test	60°C, continuous testing occurred for 336 hours.	IEC60068-2-2 IES LM-79
3	Normal temperature aging test	TH=25°C, continuous lighting	RTR
4	Ultraviolet(UV) aging test	Irradiance: 0.89W/m ² , 60±3°C, 8Hrs; dark, high humidity (water spray) for 4 hours, 50±3°C cycle test; continuous testing occurred for 500 hours.	ASTM-G154 IES LM-79
5	Bending test	Wrap the product around a 10cm diameter round tube, -40°C,20Hrs; 60°C,20Hrs	RTR
6	Twisting test	Install the 0.5-meter-long product on the twist machine with a twisting angle of 720°and 2,000 times.	RTR



Package



Single bag size(mm)	Carton box size(mm)	Meter / bag	Bags / carton	GW. ±5%(Kg)
400x380x14	440x400x420	5	25	23.04

Cautions

- 1. The LED module itself and all its components may not be mechanical stressed. Do not modify or disassemble product beyond instructions.
- 2. This product is intended to be installed by qualified, licensed electricians in accordance with electrical code regulations.
- 3. Only install with a suitable DC Constant Voltage power supply with right parameters of current and power.
- 4. The minimum bending radius is 50 mm.

Modified history

Version	Checked	Mark	Date
V00	Jack	First release	2023.3.10



RTR

Roll To Roll LED Flex

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