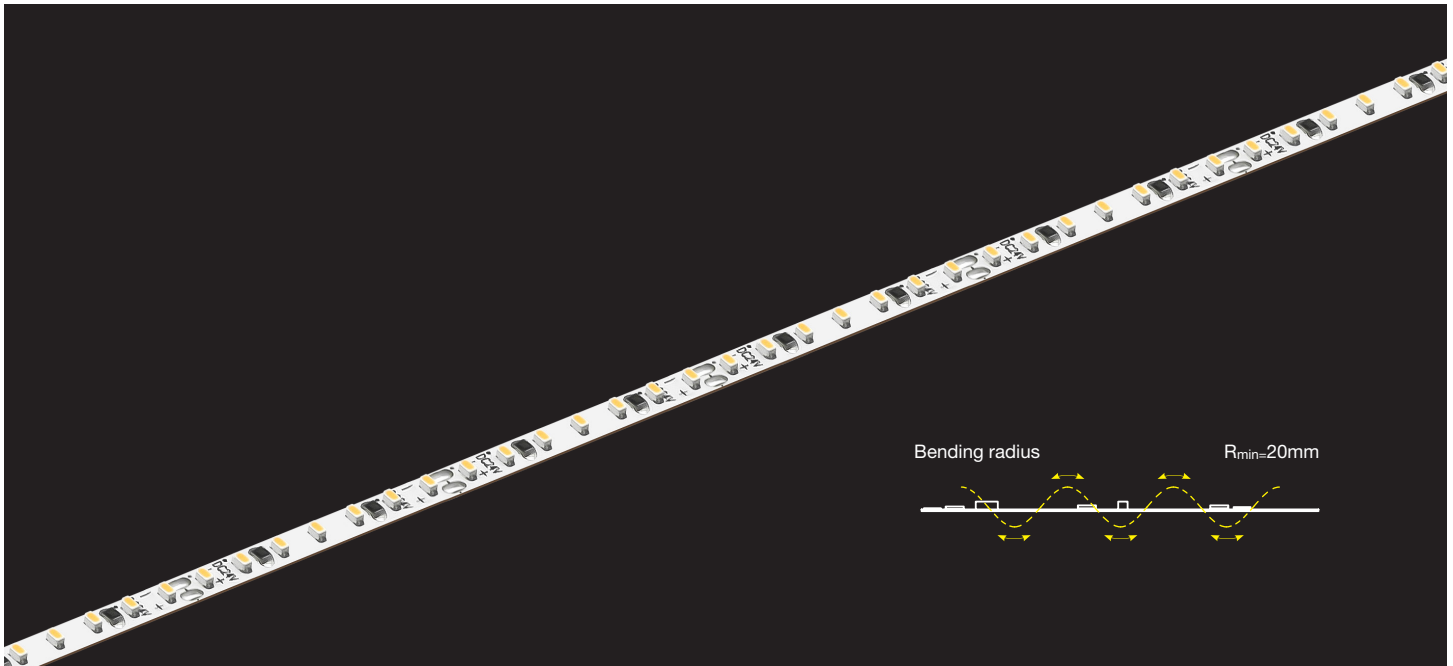


LED

STRIP LIGHT

MN-2110-XXX-XX





Features

- High density strip, good linear lighting effect
- Support PWM, 0~10V, DALI, DMX dimming
- High brightness and luminous efficiency
- Good flexibility and cuttable, suitable for curved surface
- Great lumen maintenance, long life span
- Excellent weather resistance and UV resistance
- Multiple specifications, support customization

Application

- Suitable for small volume advertising signs including logos, advertising light boxes, handicrafts, path illumination, and contour lighting.

Installation

- Fixed with 3M adhesive.

Optical & Electrical Parameters

Model No.	Voltage	Ra	CCT	LM/m	LM/W	W/m
MN-2110-238-24	24V DC	>90	2700K	894	73	12.24
			3000K	906	74	
			4000K	1004	82	
			5000K	1040	85	
			6500K	1053	86	
MN-2110-238-24	24V DC	>95	2700K	771	63	12.24
			3000K	783	64	
			4000K	808	66	
			5000K	906	74	

Model No.	Voltage	Ra	CCT	LM/m	LM/W	W/m
MN-2110-300-12	24V DC	>90	 2700K	390	74	6.0
			 3000K	426	79	
			 4000K	444	84	
			 5000K	462	84	
			 6500K	462	88	
MN-2110-300-12	12V DC	>95	 2700K	342	57	6.0
			 3000K	354	59	
			 4000K	366	61	
			 5000K	390	65	

Other Parameters

Model No.	LED QTY	Max Run	Min. Cuttable Length	Working Temperature	Storage Temperature
MN-2110-238-24	238 pcs/m	2.0m	29.4mm	-20~+60 °C	-20~+70 °C
MN-2110-300-12	300 pcs/m	1.0m	10.0mm		

NOTE:

- The above data was measured under standard conditions and actual data may be different. We would update data without further notice.
- The luminous flux was tested while the corresponding-color products were lightened.
- UL max run refers to operating length at UL class II @100W.24V.
- Luminous flux values were measured accordance to IES LM-80-08. LED chips with tolerance range of +/- 10%.
- Each maximum-run requires a dedicated power feed from the driver. Do not exceed the recommended maximum run length. Max run may exceed Class 2 limits.
- Actual wattage may be different from the calculated wattage due to voltage drop while using.
- Actual efficacy value is determined by the specific LED driver (power supply). An estimated efficacy value can be calculated as follows: Luminous intensity divided by average power consumption.
- Do not install products in the conditions that exceed the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, luminous intensity output, and/or adversely impact color consistency.
- Operating temperature was measured under the minimum and maximum ambient temperature environment.
- Cutting segments are marked on the profiles below.
- If the product power is greater than 15W, auxiliary heat dissipation appliances must be added.

Performance

- LED chip data measured in accordance to IES LM-80-08.
- Photometric & Colorimetry data measured in accordance to IES LM-79-08, in Blueview 's TUV Innovation Lab.

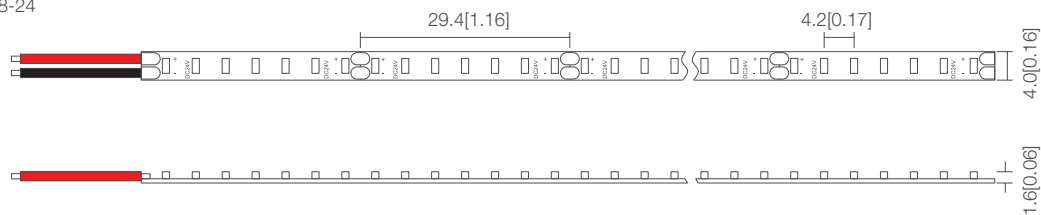
Compliance & Regulatory Approvals

	CE LVD	Standard: EN 60598-2-21: 2015; EN 60598-1: 2015; EN 62471: 2008; EN 62493:2015; EN 62031: 2015+A1: 2013+A2: 2015
	CE EMC	Standard: EN IEC 55015: 2019; EN IEC 61000-3-2: 2019; EN 61000-3-3:2013+A1: 2019;EN 61547: 2009
	CB	Standard: IEC 62031:2018
	UL LISTED	Standard: UL 2108 E354137-Low-voltage Lighting Systems, Power Units, Luminaires and Fittings
	RoHS	Standard: IEC62321

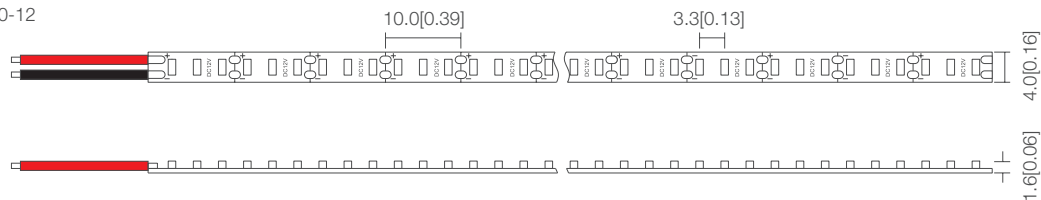
Profile Drawings

Unit: mm [inch]

MN-2110-238-24



MN-2110-300-12



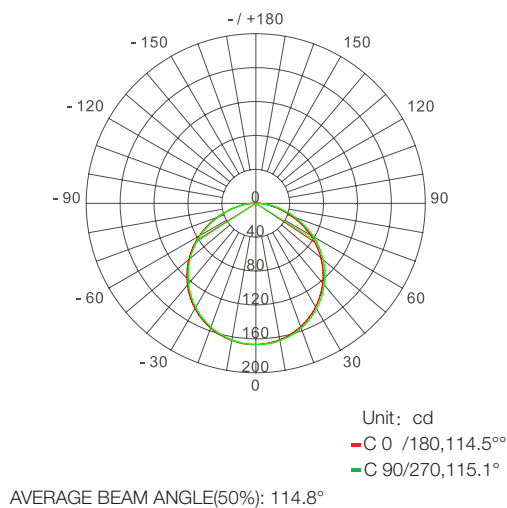
Note:

Dimension tolerance: length $\pm 6\text{mm}$ [0.24inch]; width $\pm 0.2\text{mm}$ [0.008inch]; thickness $\pm 0.2\text{mm}$ [0.008inch]

For more info, please contact sales rep.

Luminous Intensity Distribution Diagram

Average Illumination



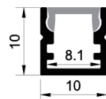
Flux Out: 367.2lm		CCT=2700K	
Height	Eavg, Emax	Beam Angle: 114.32°	Diameter
0.3m	507.1,1853lx		92.96cm
0.6m	126.8,463.3lx		185.91cm
0.9m	56.35,205.9lx		278.87cm
1.2m	31.70,115.8lx		371.83cm
1.5m	20.28,74.13lx		464.79cm
1.8m	14.09,51.48lx		557.74cm
2.1m	10.35,37.82lx		650.70cm
2.4m	7.924,28.96lx		743.66cm
2.7m	6.261,22.88lx		836.62cm
3.0m	5.071,18.53lx		929.57cm

Note: above data tested with MN-2110-238-24,90+,2700K . For other data,please consult sales rep.

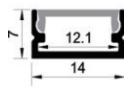
Recommended Profiles



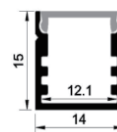
0809



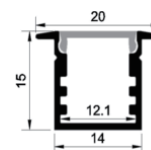
1010K



1407K

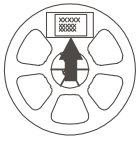


1415K

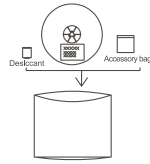


2014K

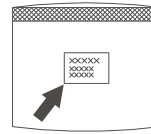
Packaging Information



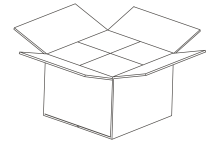
Label the reel;



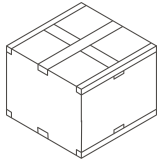
Put reel, accessory bag and desiccant together into static shielding bag;



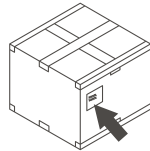
Seal and label the static shielding bag;



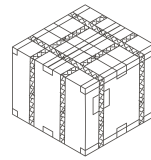
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



Use packing belt to pack. Add edge protectors if necessary.

Packaging information

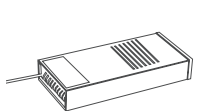
Model No.	Product Size L*W	Carton Size	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
MN-2110-238-24	5000*4mm	550*400*340mm	5	140	6.1(1±10%)	10.2(1±10%)
MN-2110-300-12	5000*4mm	550*400*340mm	5	140	6.4(1±10%)	10.5(1±10%)

NOTE:

Each roll (5m per roll) is loaded onto a reel, and each reel is packed in an aluminum foil bag.

The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

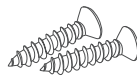
Installation



LED power supply



Diagonal pliers



Screw



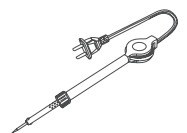
Insulation Tape



Clips



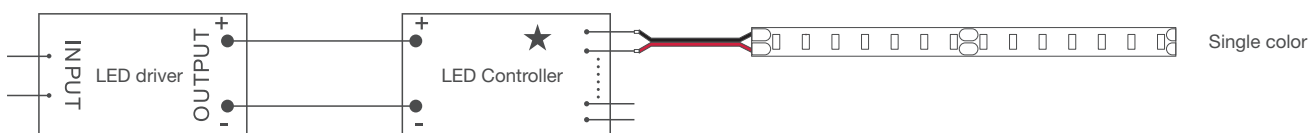
Electric drill



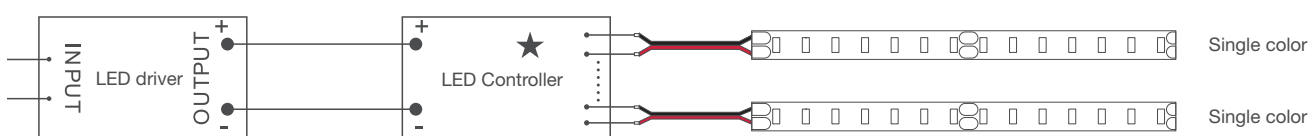
Electric iron

Wiring Diagram

The wiring of a single strip



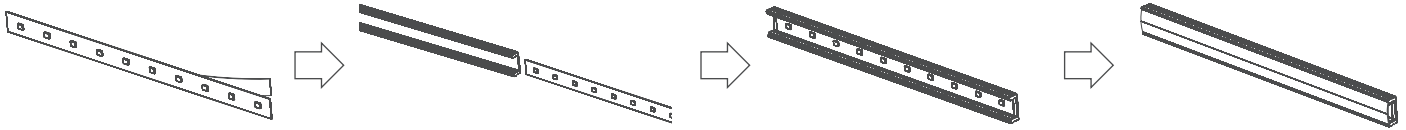
The wiring of multiple strips



Note: If only a simple on/off function is needed, a controller is not required.

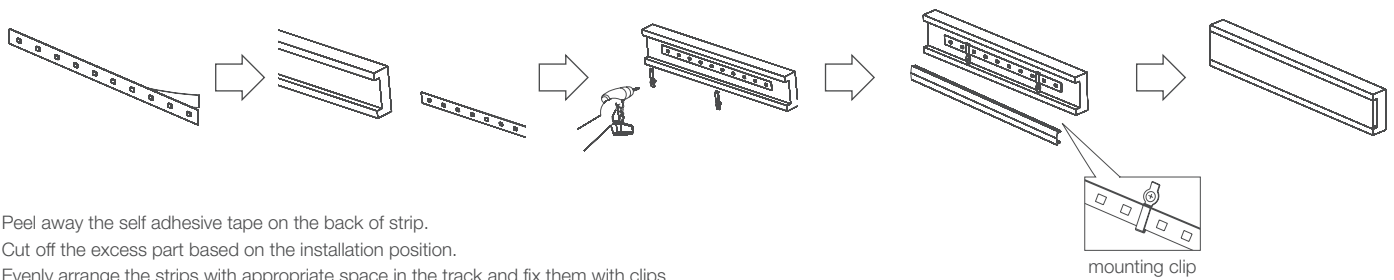
Installation Methods and Steps

Aluminum channel installation



1. Peel away the self adhesive tape on the back of strip.
2. Cut off the excess part based on the installation position.
3. Evenly arrange the strips with appropriate space in the track.
4. Install the cover and end cap.

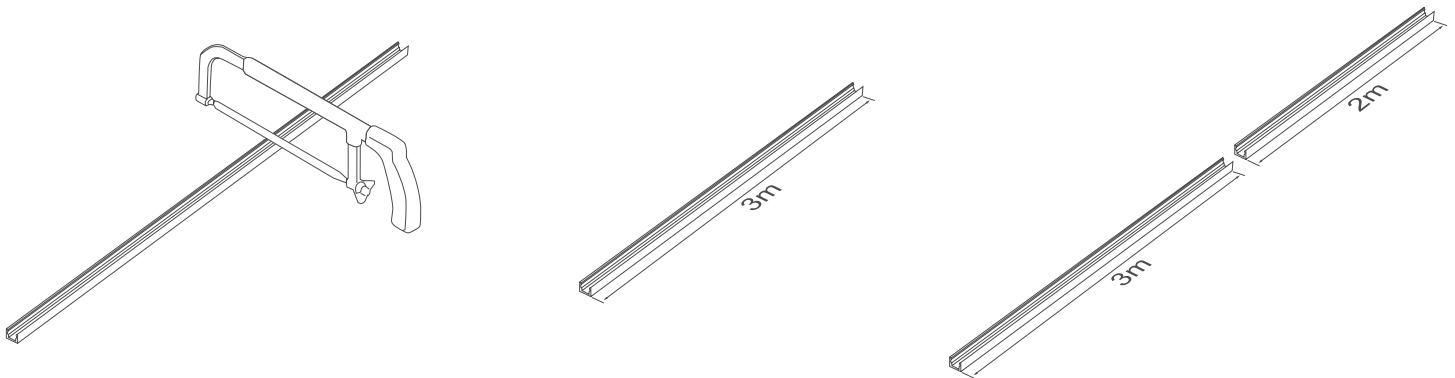
Covered channel installation



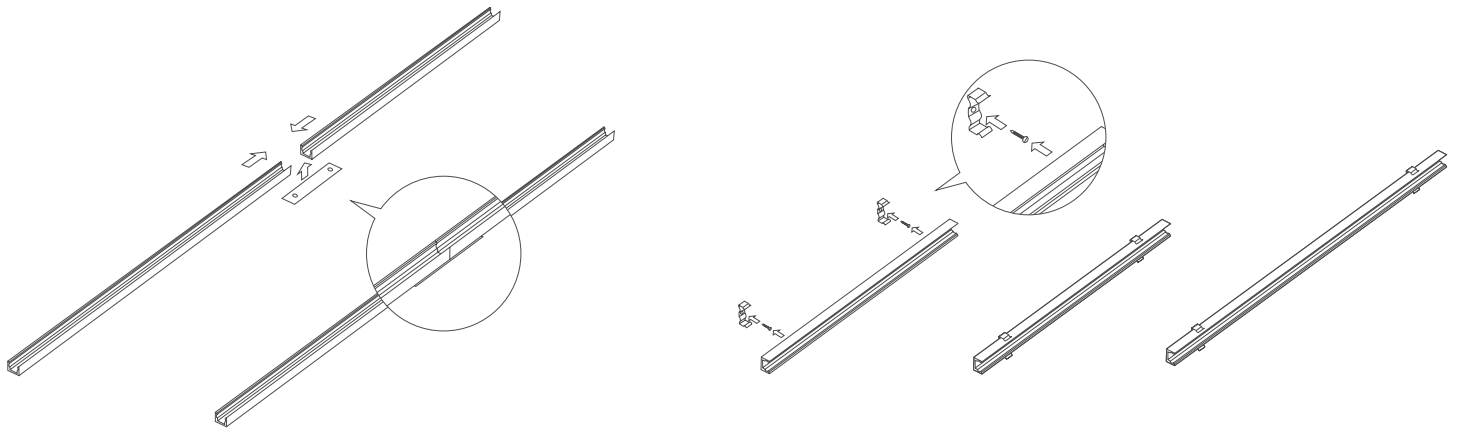
1. Peel away the self adhesive tape on the back of strip.
2. Cut off the excess part based on the installation position.
3. Evenly arrange the strips with appropriate space in the track and fix them with clips.
4. Install the cover and end cap.
5. Finished

Aluminum Profile and LED Strip Cutting

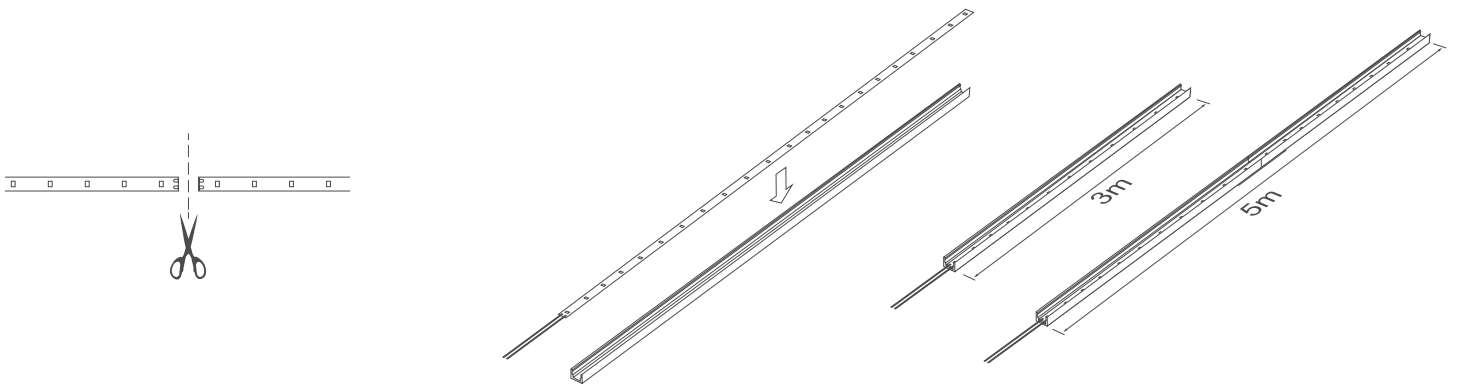
Cut the profile to a proper length



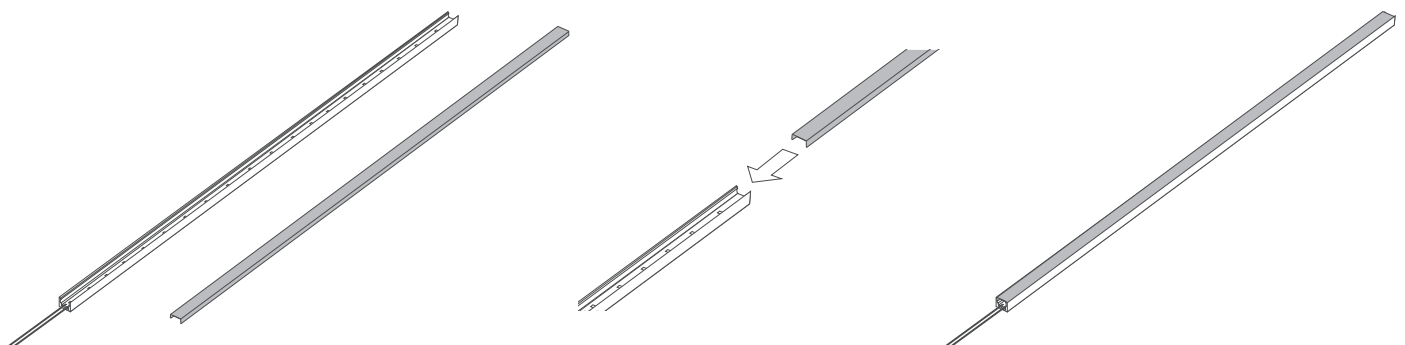
Join the cut aluminum profiles according to requirements, then secure them to the mounting surface using mounting clips.



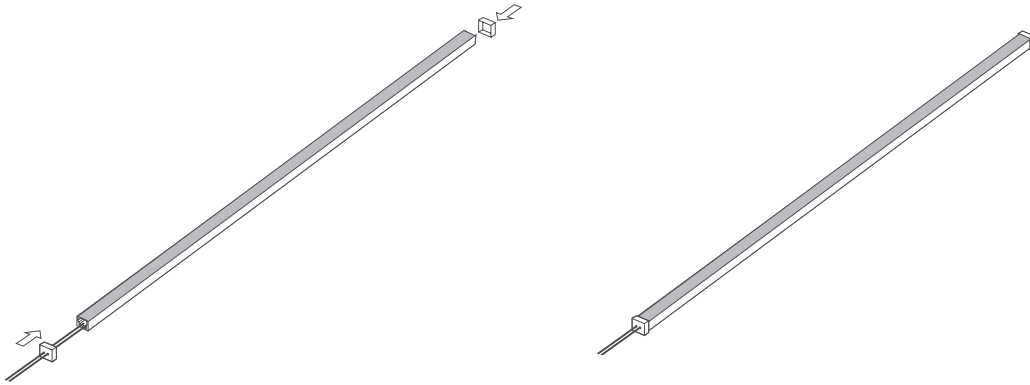
Measure and cut the LED strip to the length of the profile, peel off the protective backing of the adhesive tape and firmly attach the LED strip to the profile. Pay attention the operation of heat dissipation, fixing and power feeding.



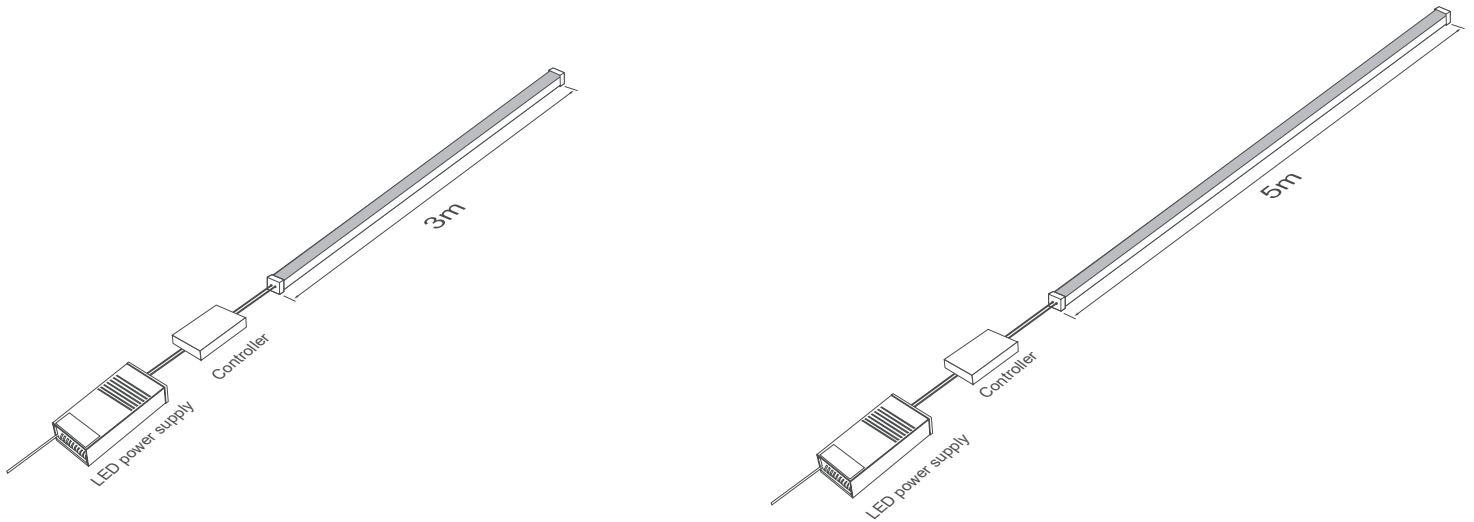
Install the PC cover



Install the end -caps to the both ends of the aluminum profile



Once you have connected the matching power supply and controller, turn on the product to test whether it lights up properly.



Attentions before installation

- Check whether the power line is screwed into the terminal firmly, and it is better not to pull it out by hand.
- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- The wiring terminal must be provided with effective waterproof and anti-corrosion treatment.
- **For non-waterproof or S-type strips, if the maximum series length is exceeded, it is necessary to supplement power.**
- **For non-waterproof or S-type strips, auxiliary heat dissipation appliances must be added when the current of single LED exceeds regular value.**

Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

BLUEVIEW ELEC-OPTIC TECH CO.,LTD

☐ Tel: +86-28-8148 0011 ☐ Web.: www.blueviewled.com
☐ Fax: +86-28-8148 1258 ☐ Email: sales@blueviewled.com

☐ Add.: No. 1000, Section 2, Konggang 2nd Road, Shuangliu, Chengdu 610207, Sichuan, CHINA