

# LFX AC120V OUTDOOR SPEC SHEET



## LFX-AC



**IP65**  
WATER  
PROOF



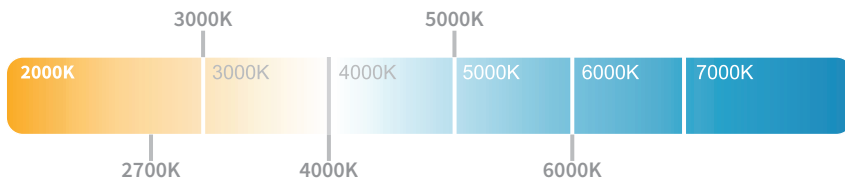
The LFX 120V AC Strip is a high-performance, direct-to-line LED strip solution designed for easy installation and vibrant illumination in both indoor and outdoor applications. Operating at 100–120V AC, it eliminates the need for external drivers while delivering consistent, energy-efficient lighting at 4W/ft (12W/m). Easy to install and control via plug-and-play or hardwire connections and optional TRIAC dimming, the LFX 120V AC Strip also comes with a 3-year warranty, making it a dependable choice for architectural outlines, retail displays, or hospitality settings that require reliable, long-lasting linear lighting.

## SPECIFICATION

OPERATING VOLTAGE	100-120V AC
RATED POWER	4W/ft (12W/m)
CRI	80
LED SOURCE	SMD
LED QUANTITY	36 LEDs/ft (120 LEDs/m)
REEL LENGTH	164.04 ft (50 m)
CUTTING LENGTH	3.93 in. (100 mm)
COLOR TEMPERATURE	2700K, 3000K, 4000K, 5000K, 6000K
CONTROL	Switched, TRIAC
OPERATING TEMPERATURE	-25°C to +55°C
STORAGE TEMPERATURE	-30°C to +60°C
IP RATING	IP65
WARRANTY	3 years

## COLOR TEMPERATURE DATA

Colour	CCT	Lumen/ft	Lumen/m
Warm White	2700K	375 lm/ft.	1230 lm/m
Natural White	3000K	402 lm/ft.	1320 lm/m
Day White	4000K	439 lm/ft.	1440 lm/m
Cool White	5000K	439 lm/ft.	1440 lm/m
Ultra Cool White	6000K	439 lm/ft.	1440 lm/m



## ORDERING CODE

SERIES	TYPE	POWER	COLOR TEMPERATURE	BIN	CIRCUIT	CONTROL	CONNECTION
LFX	O-OUTDOOR (IP65)	4W - <4W/ft	CT27 - 2700K CT30 - 3000K CT40 - 4000K CT50 - 5000K CT60 - 6000K	Z1 - 1 Step Binning	AC - Alternating Current	SW - Switched TRI - TRIAC	PL - Plug HW - Hardwire

Sample: LFX-O-4W-CT27-Z1-AC-80-PL



**SMD**  
LED Quality

**V** **100-120V AC**  
Operating Voltage

**W** **4W/ft (12W/m)**  
Rated Power

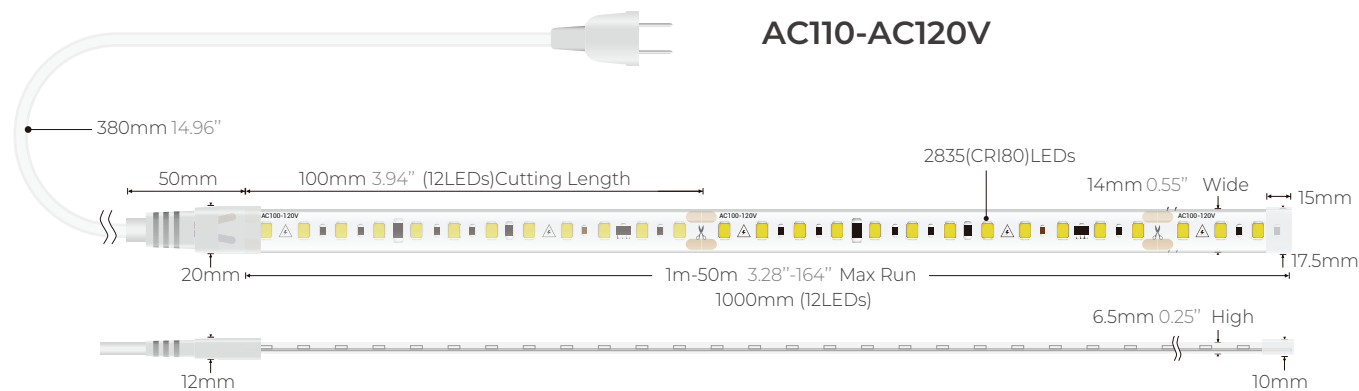
## Application



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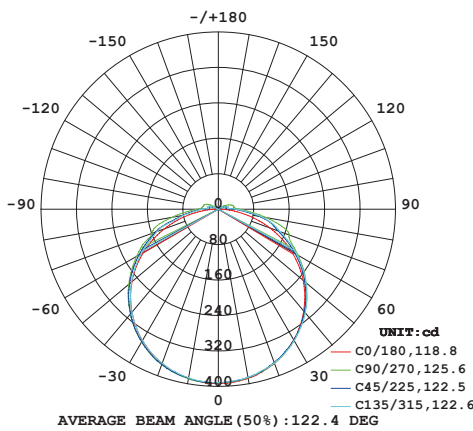
LFX-AC

## DIMENSIONS

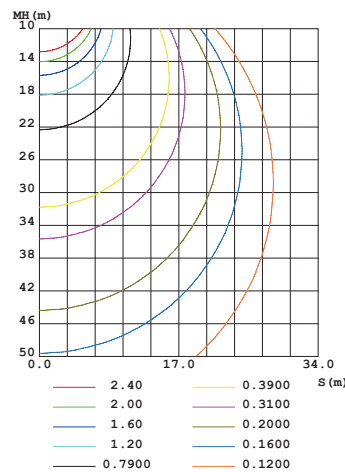


## DIAGRAM

Luminous Intensity Distribution

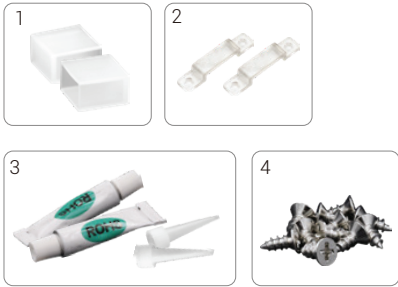


CO Plane Isolux Diagram (Unit: lx)



## ACCESSORIES

Name	Quantity	Note
1. End cap	5pc	
2. Clips	10pc	
3. Glue & Glue nozzle	2pc	
4. Screw	20pc	



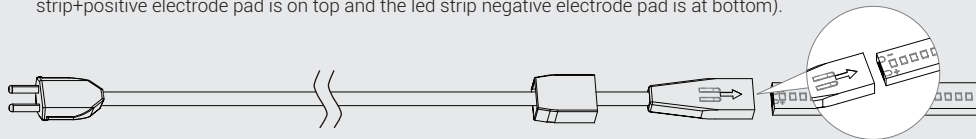
## INSTALLATION GUIDE 1 of 2

1. Operating with electricity is strictly prohibited!
2. It is forbidden to disassemble, disassemble or destroy this product to avoid the danger of electric shock and endanger personal safety. It is forbidden to connect or short-circuit the red wire black wire at the end of the strip.
3. It is forbidden to current overload to avoid damage the connector.
4. It is forbidden to touch the surface of the product with sharp objects.
5. It is strictly forbidden to use any oily chemical solvent to try rubbing or cleaning. When using neutral glass glue to fix the product, the construction work must be in a air-ventilated environment, and the glue can be solidified for more than 4 hours before the sealing operation.
6. When the isolated cover of the cable is damaged, it must be wrapped with waterproof electrical tape and insulated and protected before using.

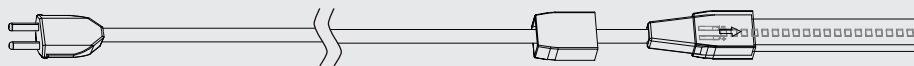
### Regular High Voltage LED Strip



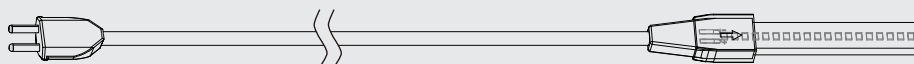
- ① The light-emitting surface of the led strip and the arrow on the bridge stack slot are facing upwards.  
Attention: When the bridge stack is on the left and the led strip is on the right, the led strip negative electrode pad is on top and the+positive electrode pad is at bottom (if the led strip is on the left and the bridge stack is on the right, the led strip+positive electrode pad is on top and the led strip negative electrode pad is at bottom).



- ② Insert the led strip into the plug, and press the two conductive pins inside the plug onto the PCB board solder pads.



- ③ Insert the plug into the buckle, note that the buckle end face needs to exceed the plug end face by about 1mm.

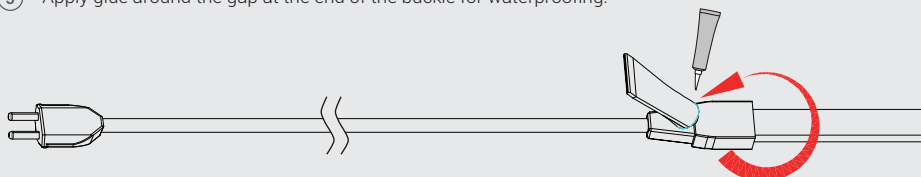


\*Connect the power and confirm that the led strip is working properly. If there are no issues, cut off the power again and follow the adhesive filling process below.

- ④ Apply a circle of glue at the gap of the buckle end face for waterproofing.



- ⑤ Apply glue around the gap at the end of the buckle for waterproofing.



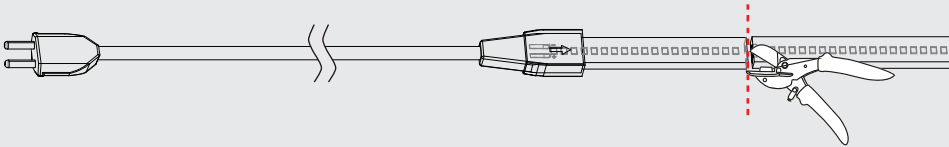
**Prohibit**

**During installation and maintenance, operating with electricity is strictly prohibited!**

## INSTALLATION GUIDE 2 of 2

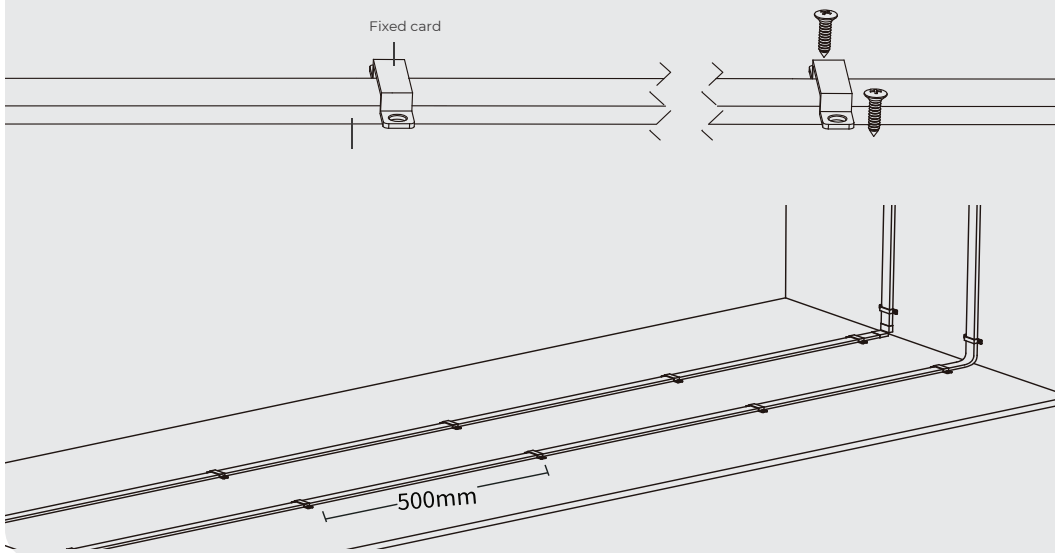
### Regular High Voltage LED Strip Cutting the strip (Indoor only)

Cut the LED strip to the required length along the marked cutting lines only.



### Regular High Voltage LED Strip Fix the strip

Use fixing clips or other mounting accessories to secure the LED strip to the installation surface.



**Prohibit**  
During installation and maintenance, operating with electricity is strictly prohibited!

### Notes

- IP65 Outdoor Use: Please do not cut off the LED Tape Light, and DIY cutting is not allow;
- All kinds of customized length of the light are available, from 4" minimum ~ 150 ft maximum;
- Do not submerge LED Tape light in any liquids, or use the light in the vicinity of standing water;
- Outdoor Application Scope: Outer Wall of building, overbridge etc., and Suitable for raining environments
- Before making any cuts, installation, maintenance or connection, and be sure the light is power-off!
- IP65 Indoor Use: Please cut the light and assemble all connectors according to the instruction manual;
- Don't install and light up and use the light under water, Only IP65 indoor application places can be used for this light;
- Indoor Application Scope: Cove of Theater / Hotel Lobby etc., and Suitable for damp environments (e.g. Toilet, Balcony Cove etc.)

### Maintenance

1. Regularly clean the strip's surface to ensure optimal light output.
2. If abnormalities occur (e.g., flickering or no light), disconnect power immediately and consult a professional technician.