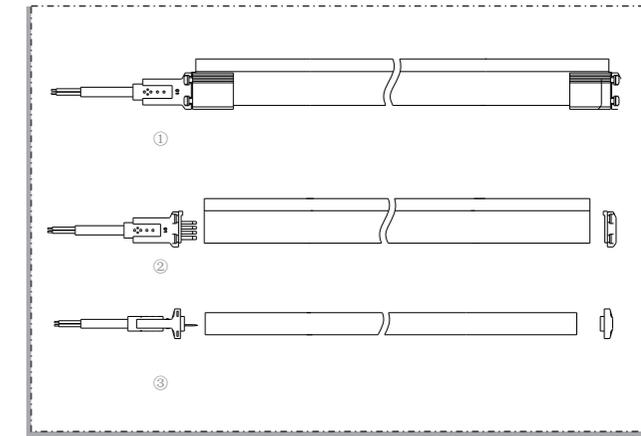
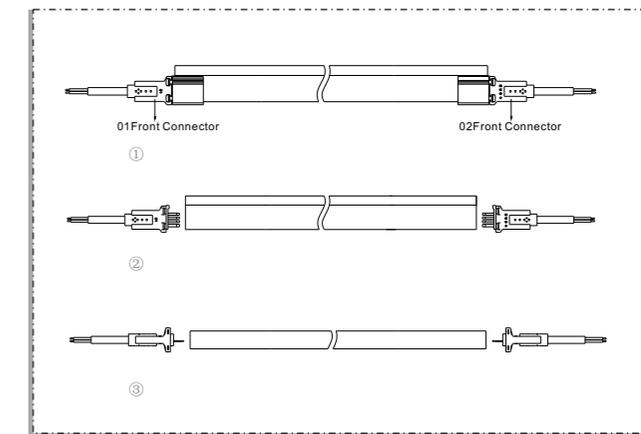


Single end connection for Max. length 10m



Connecting both ends for 10m to max. length of 20m



Ip68 LED Neon Flex Specifications  
Part No.:LN-11.5-12W-24V

1. Operating voltage: DC 24V
2. Dimension: 11.5mm(Base)\* 16mm(Optic)\*29mm(Height)
3. Available Colors: Red, Yellow, Orange, Green, Blue, White, Warm White
4. LED quantity: 60LEDs/mtr;LED Spacing:16.67mm
5. Power consumption: 11.5± 5%W/mtr (Rated Power)
6. Max. running length: 10mtrs (Single Feed) or 20mtrs (Double Feed)
7. Min. cutting length :100mm(10LEDs).
8. Min. bending diameter: 12cm

**Do not twist this light fixture - See caution diagrams!**

9. Ambient operating temperature : -30°C~45°C.

**Do not install in temperatures below 10°C.**

10. Protection rating: IP68

**NOTE: All connectors must be assembled properly to achieve IP68 rating.**

11. Certificate: CE and ROHS compliant

SAFETY PRECAUTIONS

- Do not over extend the min. & max. bend radius. See Illustrations for bending.
- Although LED Neon Flex (LNF) does not generate a great amount of heat, it is recommend that you do not cover or conceal it.
- Do not puncture, cut, shorten or splice LNF outside of the designated cutting marks.
- Do not route LNF through walls, doors, windows, or building structures.
- Do not roll out LNF on rough surfaces and over sharp corners. This will scratch the PVC optic.
- Do not use LNF if outer PVC jacket is damaged, loose connections, or if the wire is visible without insulation.
- Do not secure LNF with staples, nails, or like means that might damage the insulation or PVC material.
- Do not install LNF on/in places where it is subject to continuous flexing.
- Do not operate/run LNF in temperatures exceeding 45C or 115F.
- Do not operate LNF over the specified voltage or LED life degradation will be greatly increased.
- Do not leave any part of the LNF unsecured. Movement over time from weather can cause damage from continuous movement.

**-ALL LNF Ip68 RATED CONNECTORS MUST BE ASSEMBLED PROPERLY TO OBTAIN RATING.**

-Do not reverse polarity when connecting from both ends. This will damage the internal PCB board. Always test connections with your multi-meter.

-Do not energize LNF in the reel package.

-LNF can be cut only where marked. Look for "Indent marking" or "Dotted Line" or "Scissor Mark".

**CUTTING OUTSIDE OF THE SPECIFIED MARK WILL DAMAGE THE LIGHT. DO NOT CUT WHILE FIXTURE IS ENERGIZED.**

ACCESSORIES(sold separately)

IP 68 Accessories Kit

10 Meter to 20 Meter Accessories Kit with Ip68 Power Connects.

Left Power Feed	1 pc
Right Power Feed	1 pc
Rubber gasket	2 pcs
Aluminum Mounting Piece	2 pcs
Stainless Anti-skid Plate	2 pcs
Stainless Steel Screws	8 pcs

10 Meter or Less Accessories Kit with IP68

Front Connector Accessories Kit

Left Power Feed	1 pc
Rubber Gasket	1 pc
Aluminum Mounting Piece	1 pc
Stainless Anti-skidding Clip	1 pc
Stainless Steel Screws	4 pcs

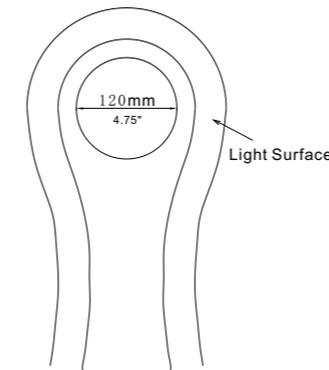
End Cap Accessories Kit

The Tail Plug	1pc
Aluminum Mounting Piece	1pc
Rubber Gasket	1pc
Stainless Anti-skidding Clip	1pc
Stainless Steel Screws	4pcs

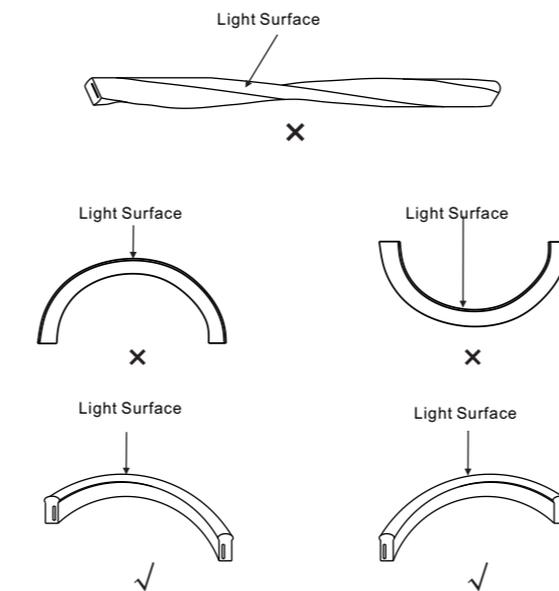
WARRANTY

1. This product is warrantied against manufacturer defect for a period of 2 years from the date of purchase.
2. The warranty period is based on typical 8hrs/day operation under an application environment temperature -30°C~45°C
3. The guarantee is invalid in case of improper use and incorrect installation.

Minimum bending diameter 120mm

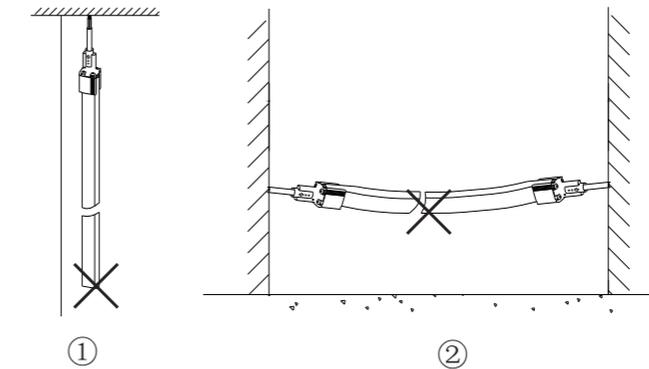


CAUTION



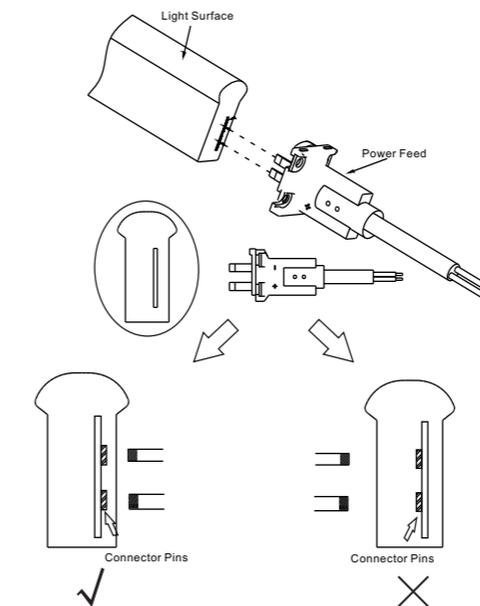
CAUTION

Suspending LED Neon Flex as the picture illustrates is not permitted.

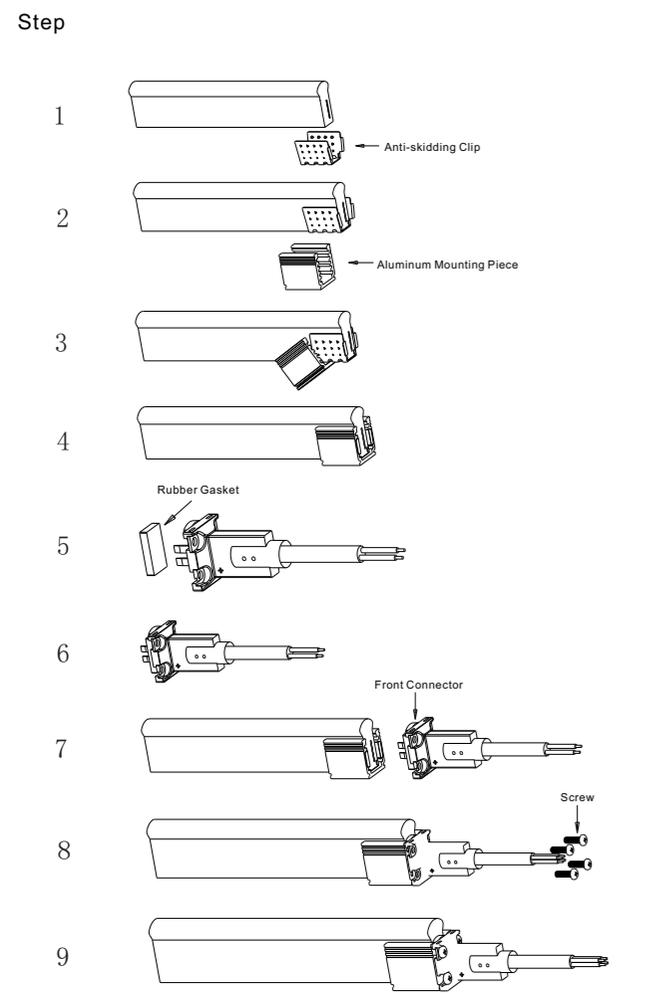
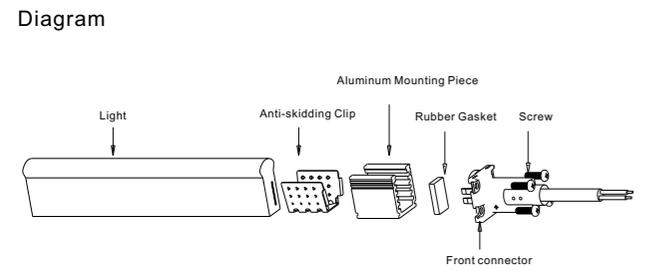


Attention:

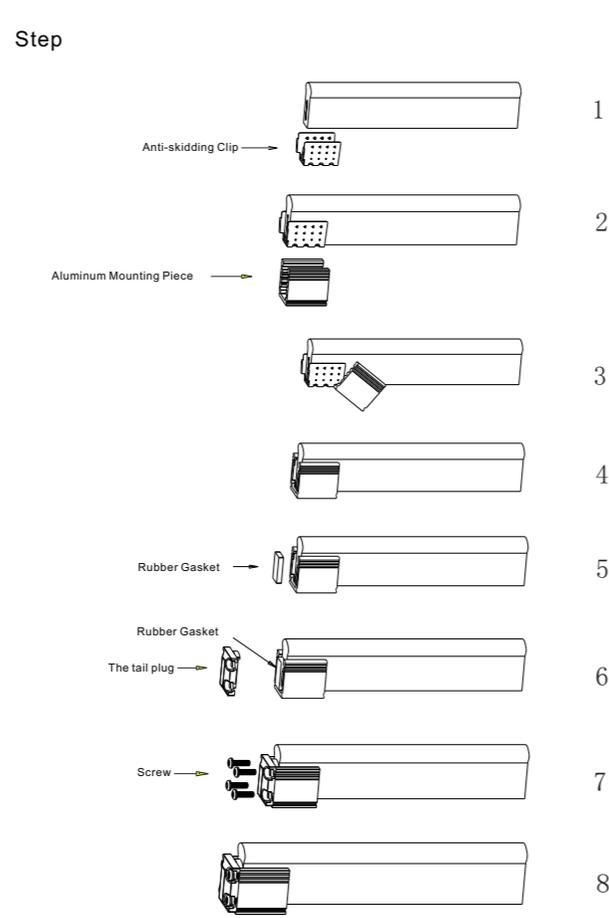
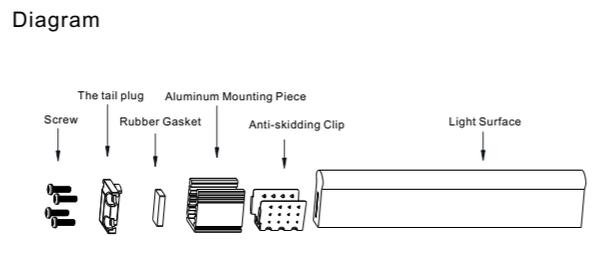
how to use 2pin Cable Connector



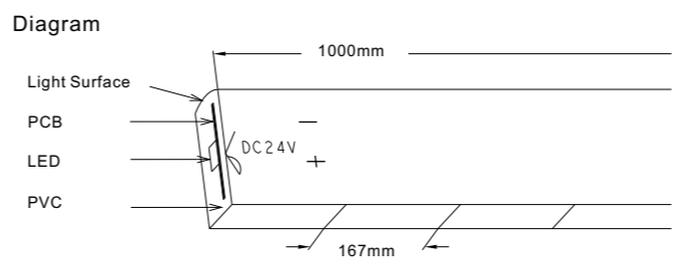
IP68 Front Connector Installation



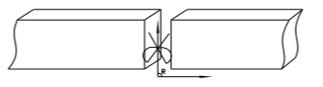
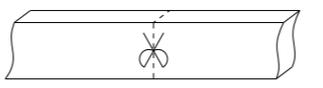
IP68 End Cap Installation



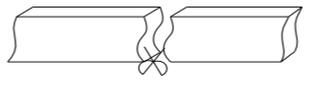
Unit cutting guide



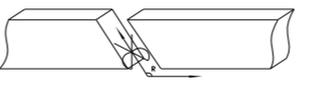
NOTES



The correct cutting way, R=90° ✓



Wave cutting is incorrect ✗

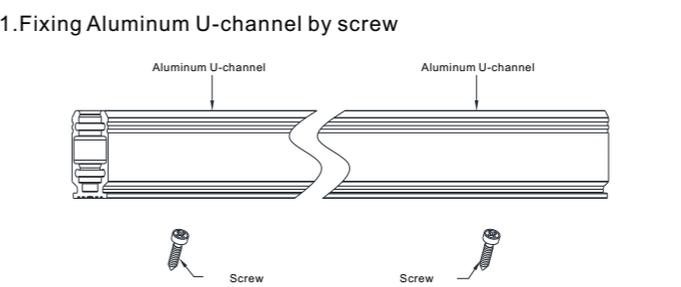


R>90° is incorrect ✗

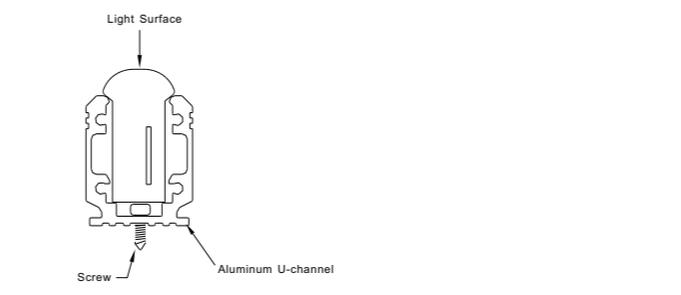


R<90° is incorrect ✗

Installation Guide



2. Install the light into the aluminum U-channel and level



ANSI STANDARD

Nominal CCT Categories

Nominal CCT	Target CCT and tolerance(K)	Target Duv and tolerance
2700K	2725 ± 145	0.000 ± 0.006
3000K	3045 ± 175	0.000 ± 0.006
3500K	3465 ± 245	0.000 ± 0.006
4000K	3985 ± 275	0.001 ± 0.006
4500K	4503 ± 243	0.001 ± 0.006
5000K	5028 ± 283	0.002 ± 0.006
5700K	5665 ± 355	0.002 ± 0.006
6500K	6530 ± 510	0.003 ± 0.006

Flexible CCT (2700-6500K)	T <sup>2</sup> +ΔT <sup>3</sup>	D <sub>uv</sub> T <sup>2</sup> ±0.006
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Remark:

- Six of the nominal CCTs correspond to those in the fluorescent lamp specification [2]: 2700K, 3000K (Warm White), 3500K (White), 4100K (Cool White), 5000K and 6500K (Daylight), respectively.
- T is chosen to be at 100K steps (2800, 2900, ..., 6400K), excluding those eight nominal CCTs listed in Table 1.
- ΔT is given by  $\Delta T = 0.0000108 \times T^2 + 0.0262 \times T + 8$ .
- D<sub>uv</sub> is given by  $D_{uv} = 57700 \times (1/T)^2 - 44.6 \times (1/T) + 0.0085$ .

USER'S MANUAL

Ip68 LED NEON FLEX

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION LEAVE A COPY FOR THE END USER/MAINTENANCE ENGINEER FOR FUTURE REFERENCE