

DATE	June 2026	CODE	XFLED-I-1	A
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CAUTION: This product must be installed by a qualified professional.
Please read the installation manual thoroughly before installing the luminaire.



Surge Protection

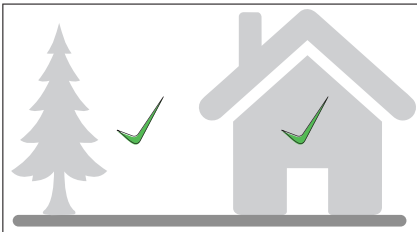
To ensure complete protection against electrical surges, appropriate surge protection devices must be installed on the mains supply where necessary. This helps safeguard both the luminaire and its driver from damage caused by transient voltage spikes.

Warranty & Installation Disclaimer

Please read these installation instructions carefully before proceeding. This product must be installed and maintained by a suitably qualified professional in accordance with current regulations and applicable legislation.

Intralux accepts no responsibility for damage or defects resulting from misuse, incorrect installation, improper operation, or modifications performed by the purchaser or third parties.
Important: This luminaire must not be used as a 'working light' during construction. Doing so will void the product warranty.

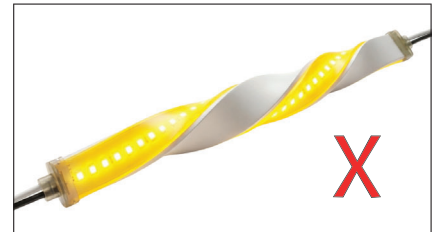
1 Precautions before installation



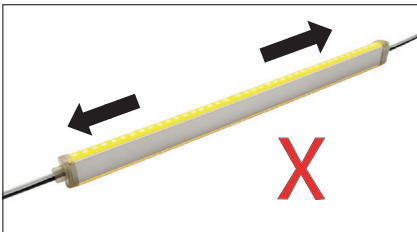
1. Indoor & Outdoor use



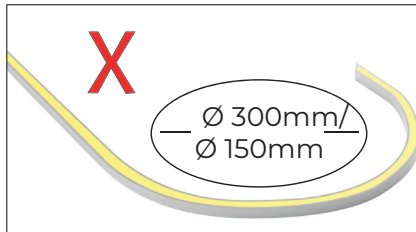
2. Do not step on product



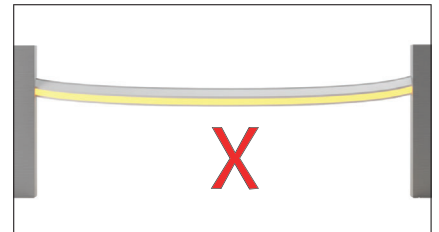
3. No distortion



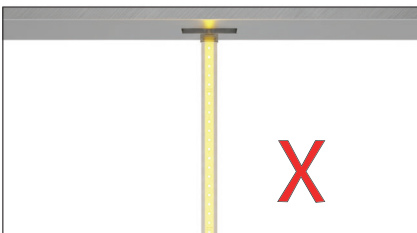
4. No stretching



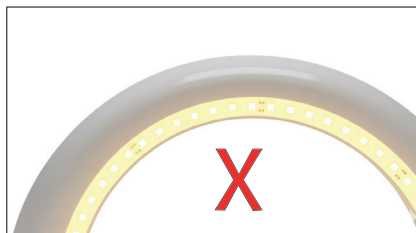
5. Do not bend less than:
Ø300mm, Ø150mm (Mini)



6. Sagging/Hanging



7. Dropped



8. Bent in incorrect direction



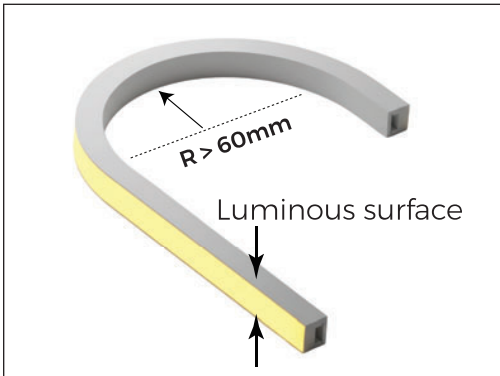
9. Bent sharply

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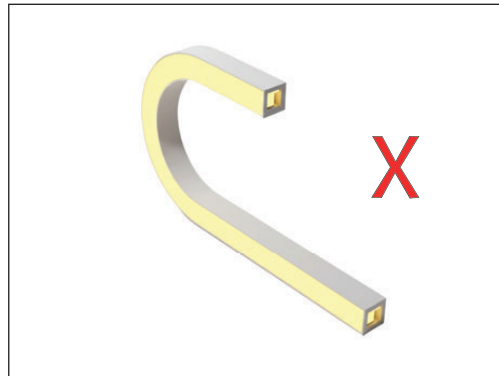
2 Silicon Neon Strip Bending Radius Guidelines



TOP BENDING



1. Bending Direction & Min. radius



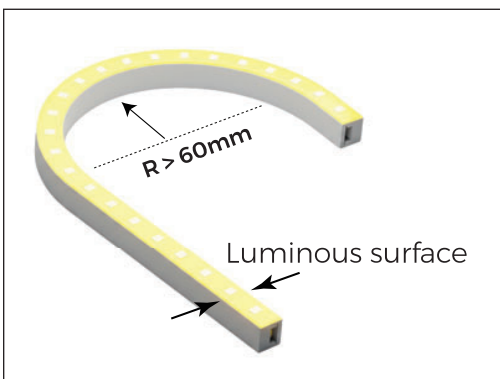
2. Side bending prohibited

NOTE:

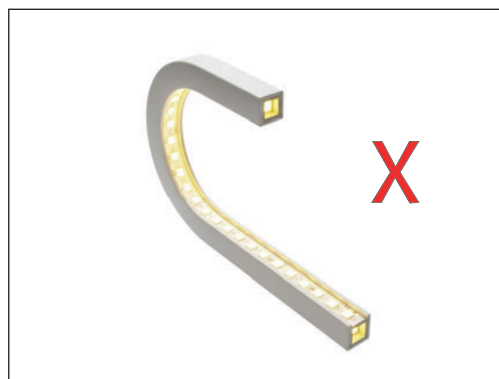
Due to the different types and attributes of neon lights, please refer to the line marks for the bending radius.



SIDE BENDING



1. Bending Direction & Min. radius



2. Top bending prohibited

NOTE:

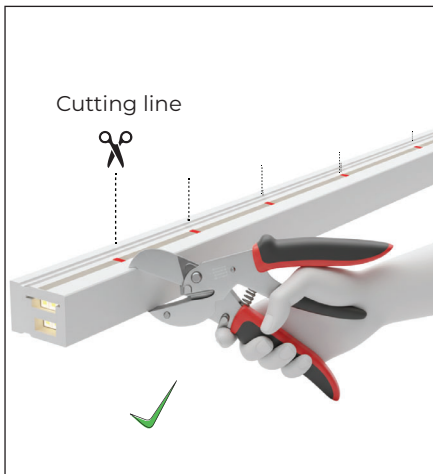
Due to the different types and attributes of neon lights, please refer to the line marks for the bending radius.

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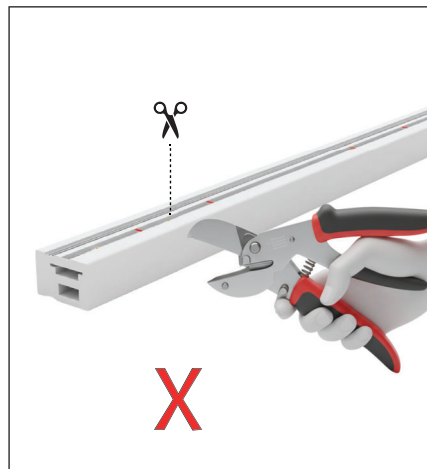
3 Cutting Neon Flex



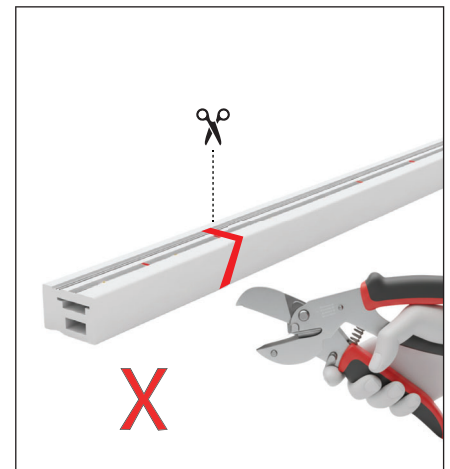
CAUTION: This product must be installed by a qualified professional.
Please use Neon Strip Cutters supplied with product when shortening LED Strip.
Note correct positioning of cutters below.



1. Cut as per the cutting line marks.

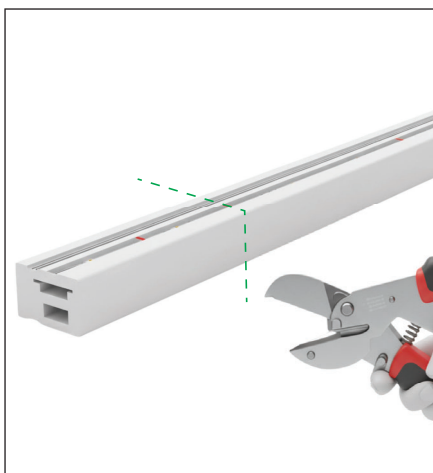


2. Wrong cutting position.

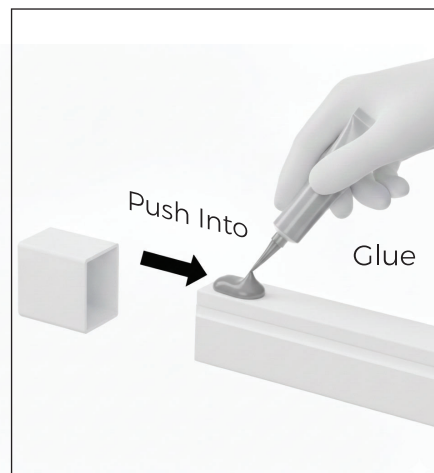


3. Wrong cutting angle.

4 End cap Installation Guide



1. Cut required length of neon strips.



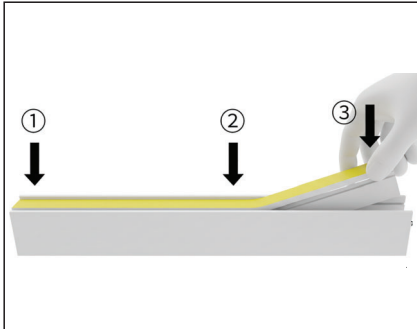
2. Paint glue around tails of neon strips and push the end cap into it.

NOTE:

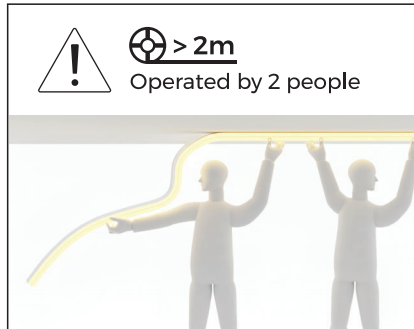
Neon strips should be laid flat for 2 hours after gluing to get end cap dry before any operation on plugs.

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5 Installation of Neon Strip into Position



1. Start installation from one direction and prohibits simultaneous installation from both ends.



2. For 2m or longer neon strips, it is recommended to install or detach by 2 people.

NOTE:

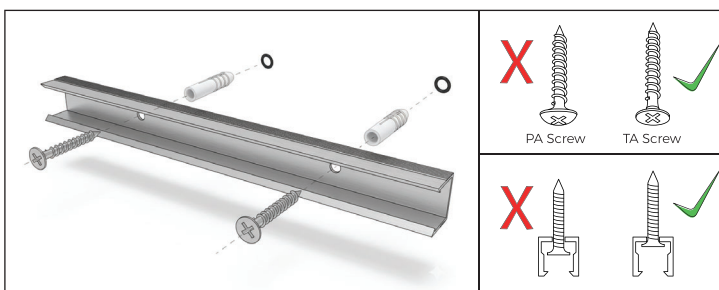
Pay attention to positive and negative polarity. To avoid short circuit or LED failure.

NOTES PRIOR TO INSTALLATION

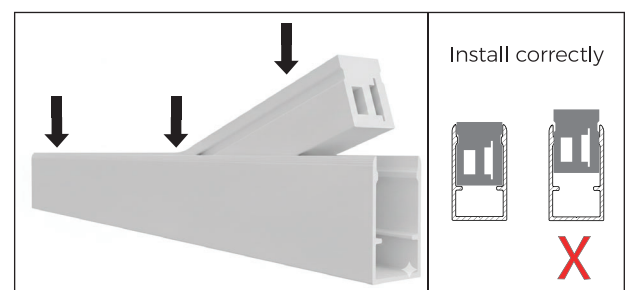
1. Use 24VDC isolated power supply
2. When connecting neon strips in series, light-up test should be made soon after each connection to promptly find out whether the positive and negative wires are correctly connected.
3. Pay attention to positive and negative poles connection. Make sure the power supply conforms to required voltage to avoid damage.
4. Silicone neon strips shall be stored in a dry and sealed environment for no more than 1 year at best. Working temperature: -20°C- +45°C; storage temperature: 0°C- +60°C (for digital series, working temperature: -20°C- +40°C; storage temperature: 0°C- +60°C)
5. Neon strips has unilateral conductivity. If a power cable with a DC/AC converter is used, power-on tests shall be done first after connecting power supply to ensure that the positive and negative poles are connected correctly.
6. In actual applications, 20% of the power supply shall be kept (recommended to use no more than 80% of the power) to guarantee that sufficient voltage is available to drive the product;
7. Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock. To ensure the duration and reliability of neon strips, be sure to bend it in the specified direction and radius range. For details, please refer to the indicating marks.

6 Mounting of Neon LED Strip

PROFILE INSTALLATION



1. Install with the countersunk screws provided. Do not use screws of other types or sizes that do not meet requirements.

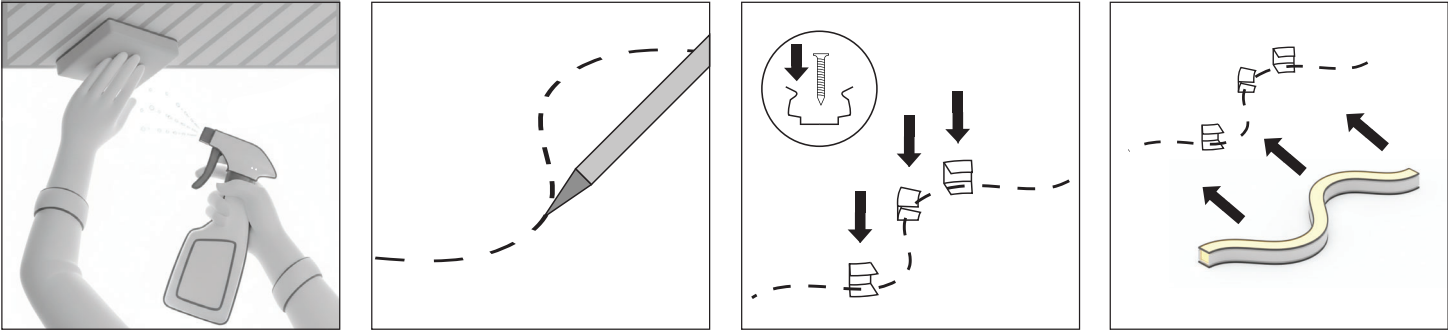


2. Install neon strip in the correct position.

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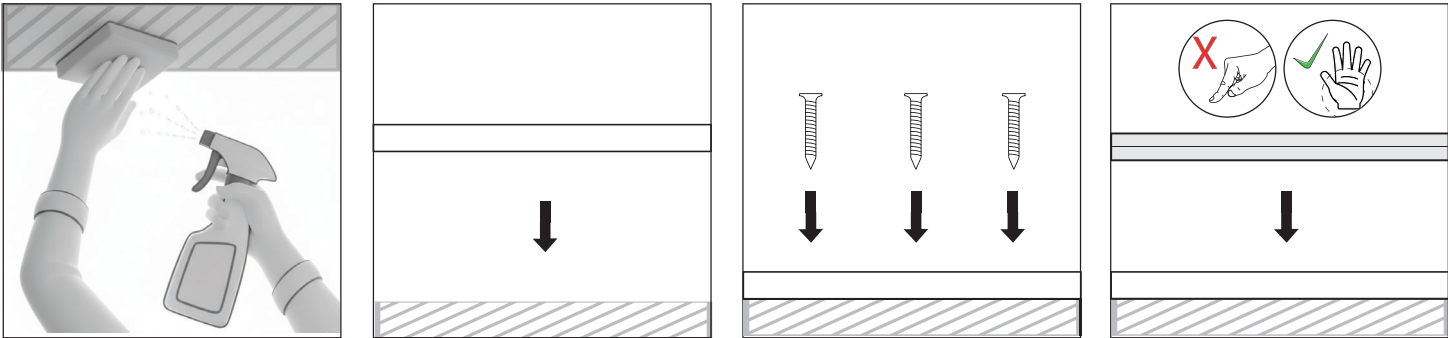
STAINLESS STEEL MOUNTING CLIPS

Standard installation



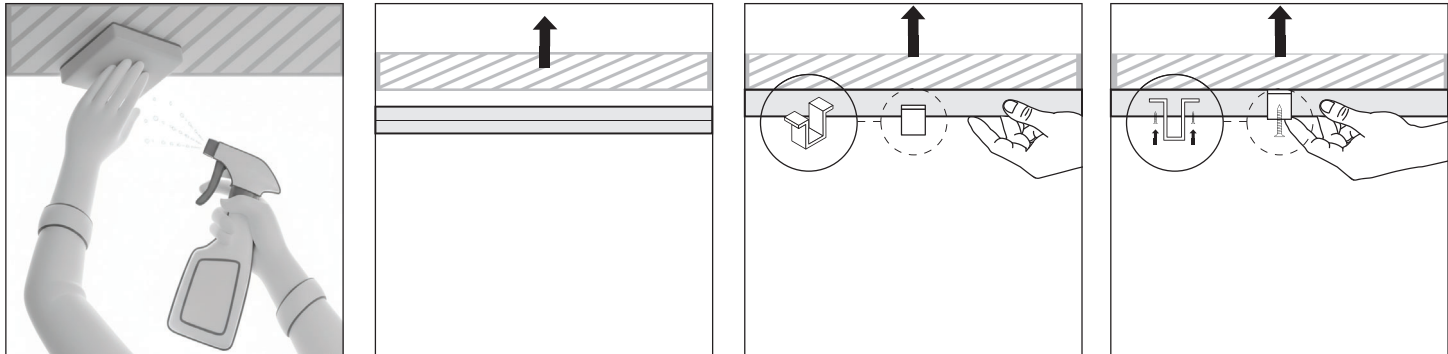
ALUMINIUM AND POLYCARBONATE EXTRUSION

Extrusions are supplied as an additional accessory



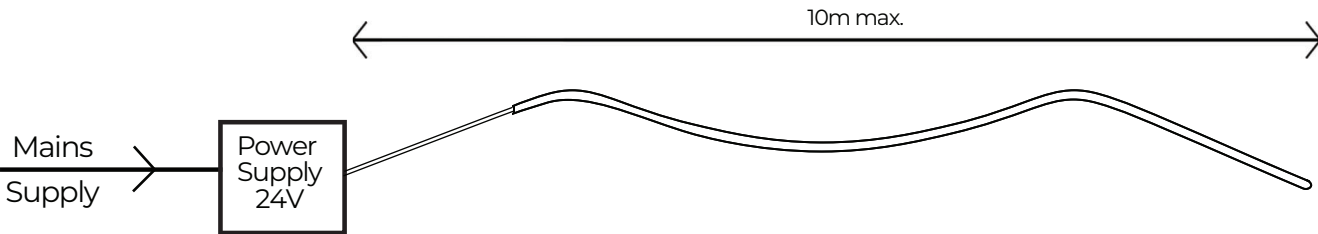
SADDLE CLIP

Saddle Clips are supplied as an additional accessory

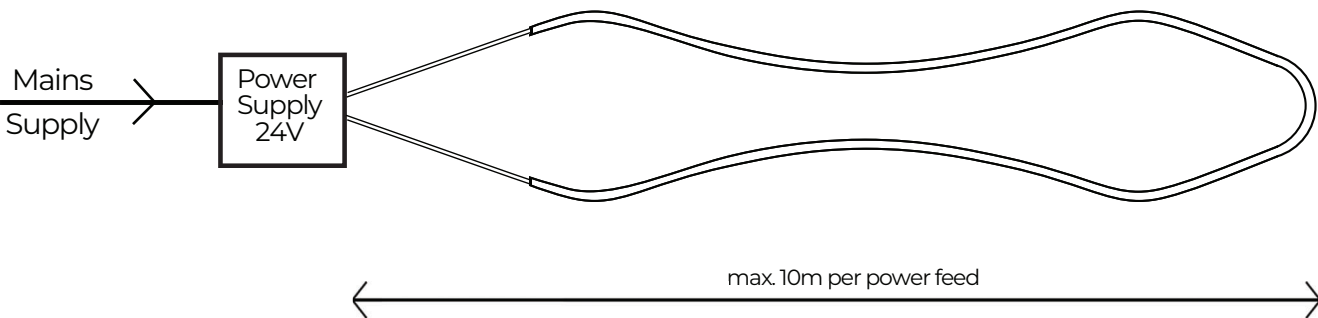


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TYPICAL WIRING CONFIGURATION - RUN LENGTH UNDER 10m



TYPICAL WIRING CONFIGURATION -
RUN LENGTH UP TO 20m - DUAL POWER FEED



* Power supply unit (PSU) output cable size (mm ²) / Max distance (m) recommendations:	0.5mm ²	9 metres
	0.75mm ²	14 metres
	1.0mm ²	19 metres
	1.5mm ²	28 metres



- CAUTION:**
1. Use prescribed 24V power supply.
 2. Pay attention to positive and negative polarity when making connections.
 3. All connections made must comply with the required IP rating for the environment.