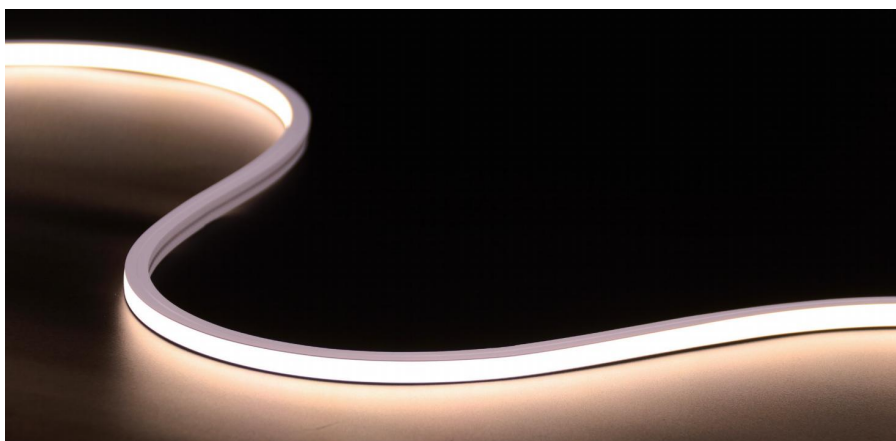


RFS0612 | 1010 | 1616 | 2020



Top Bending



Side Bending

Thank you for purchasing the ROLEDs product. Please read this manual carefully before use and keep it for future reference.



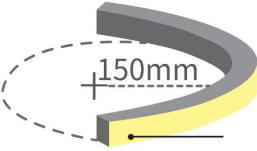
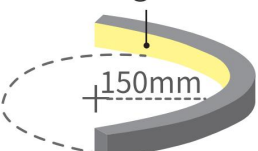
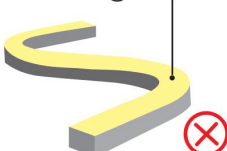
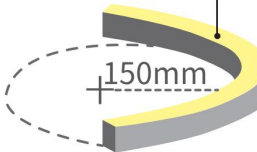
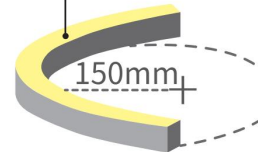
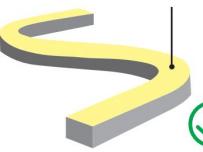
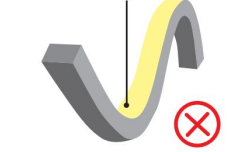
Fixture must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations. This device falls under class one and must be grounded!



This version of the installation manual is applicable to the following products and their models:

Product Model	RFS0612	RFS1010	RFS1616	RFS2020
Top Bending		RFS1010T	RFS1616T	RFS2020T
Side Bending	RFS0612S	RFS1010S	RFS1616S	RFS2020S

There are two available Direction of the bend options for the LED Neon Strip, as detailed in the table below:

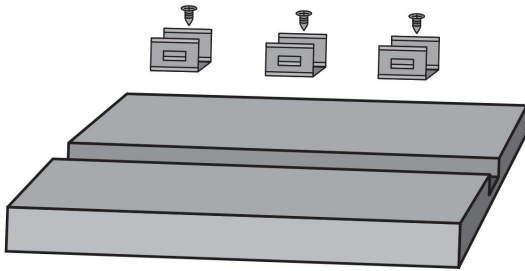
Top- bending direction of the LED neon strip			
			
● Top bending minimum radius		● Top bend	● Side bend
Side- bending direction of the LED neon strip			
			
● Side bending minimum radius		● Side bend	● Top bend

Note: There are three mounting methods available to accommodate different applications and mounting surfaces. Type A is clip mounting, Type B is aluminum channel mounting, and Type C is keel mounting. Please identify your installation type and follow the corresponding instructions below.

STEP 1: LED Flex Strip Installation

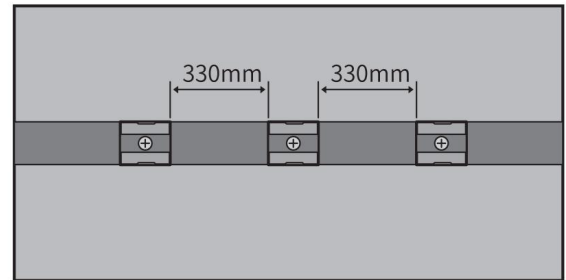
A: Clip Mounting

①



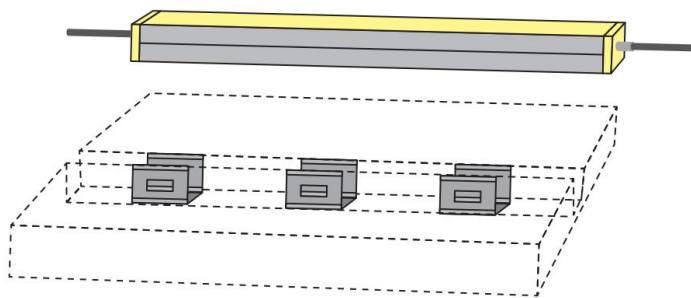
Install the clips uniformly into the grooves using screws; For light strip less than 1 meter in length, a maximum of 3 clips are standard-equipped.

②



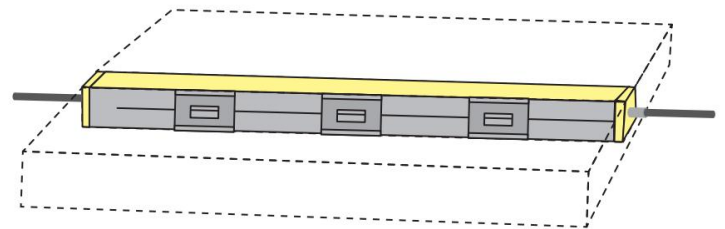
When installing strip longer than 1 meter, it is recommended that the clip spacing be 330 mm. The positions of the first and last clips can be adjusted according to actual needs.

③



Lay the strip flat and press it into the clips. For strip 2 meters or longer, it is recommended that two or more people install it.

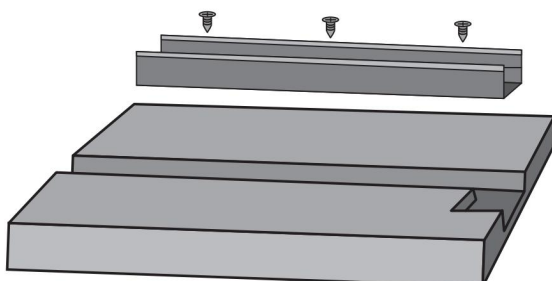
④



After the strip is pressed into the clips, do not pull the strip to prevent the strip from being damaged and the waterproof function from failing.

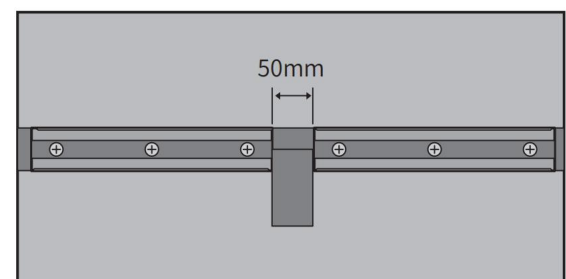
B: Aluminum Channel Mounting

①



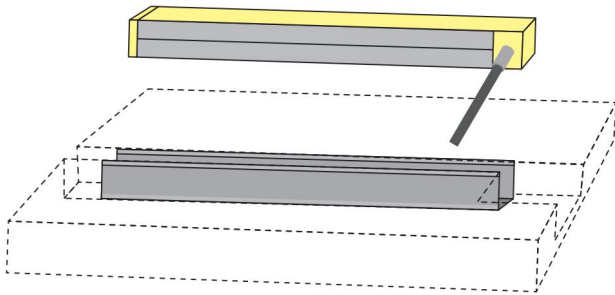
Lay the aluminum channel flat into the grooves, then secure it using screws (the aluminum channel is compatible with countersunk and round-head screws).

②



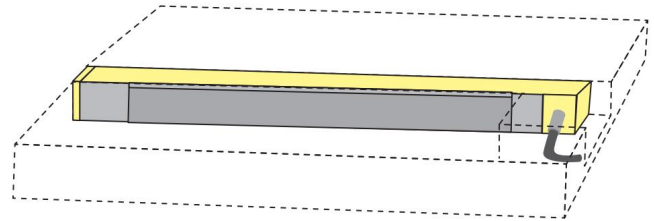
There should be a 50mm gap between the aluminum channel at the strip joints to ensure that the strip can be placed.

③



Lay the strip flat and press it into the aluminum channel. For strip 2meters or longer, it is recommended that more than two people install it.

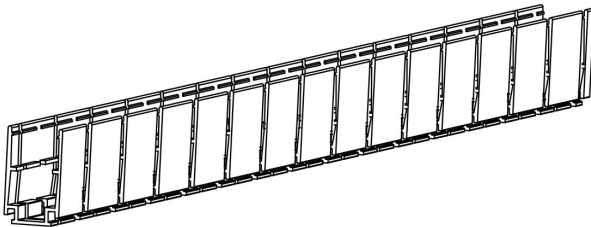
④



After the strip is pressed into the aluminum channel, do not pull the strip to prevent the strip from being damaged and the waterproof function from failing.

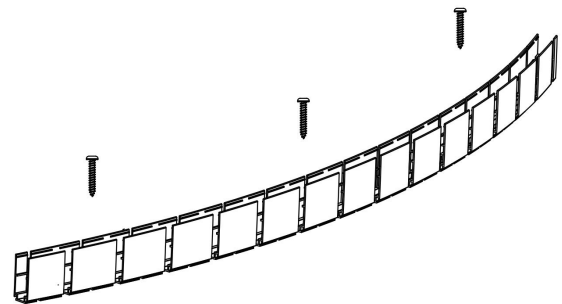
C: Keel Mounting

①



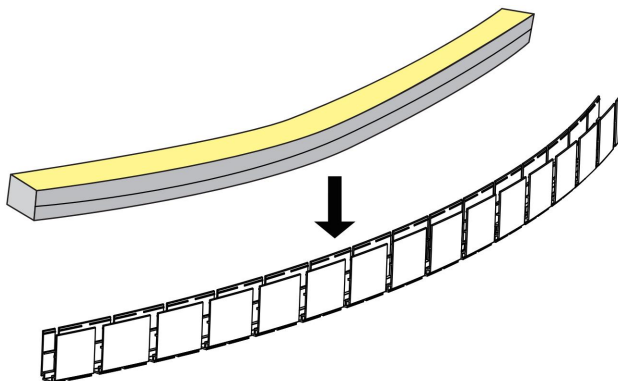
Keel

②



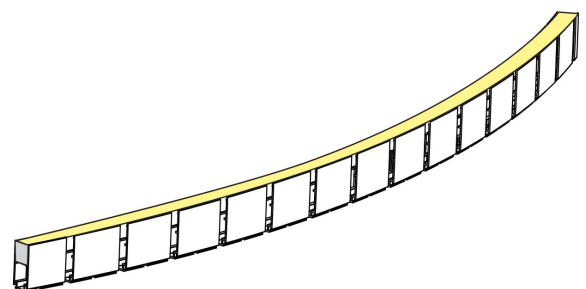
Lock the keel with screws.

③



Snap the lamp body into the keel.

④

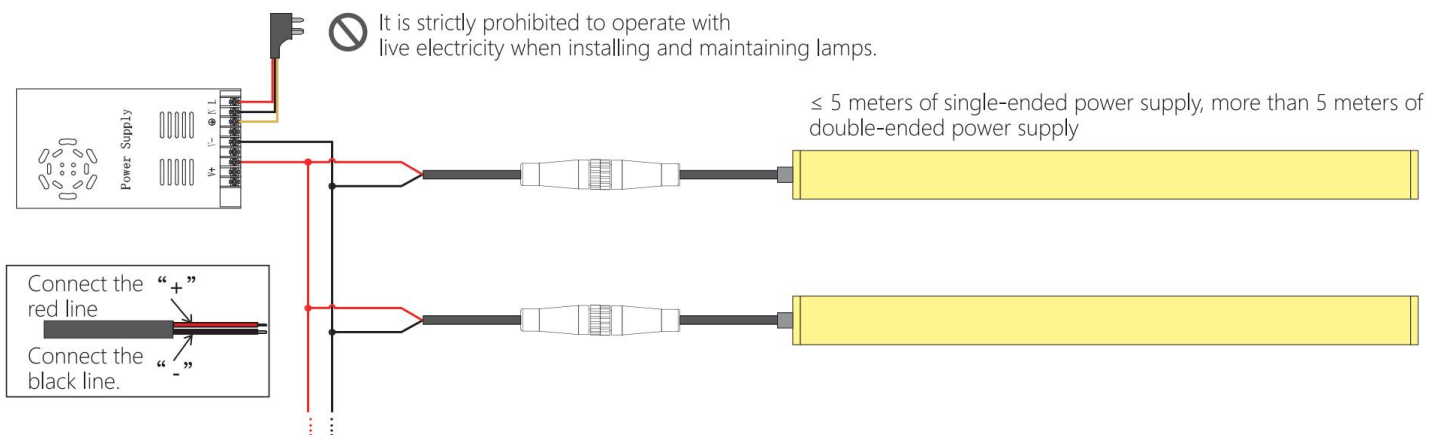


Complete the installation (The bending do not exceed the maximum required diameter of the strip).

STEP 2: Wiring Cable Installation

⚠ The connection of the power cord needs to be well connected in a waterproof junction box, which needs to be purchased separately.

1. The actual power used by the switching power supply shall not exceed 80% of the marked power, and the current-carrying capacity of the lead-out cable must meet the number of strips to be loaded.
2. During project installation, the input end of the switching power supply must be well-grounded. There are labels on the strip wires. Please pay attention to the wire label definition before installation.
3. During project installation, all exposed wire ends should be wrapped with waterproof rubber tape for waterproof treatment. It is recommended to use an IP68 waterproof junction box.
4. The input voltage of the light strip is DC24V. Ensure that the strip is used within the voltage range of $DC24V \pm 5\%$ (the power driver must meet the independent requirements of IEC61347-2-13/GB19510.14). The output wire of the DC24V switching power supply can be installed in the middle of the strips it drives to reduce the voltage drop at the input end of the remote strips.
5. It is recommended to use our company's DC24V constant-voltage power supply.
6. The lamp should be installed by qualified electricians, and the wiring should comply with IEE electrical standards or national standards.

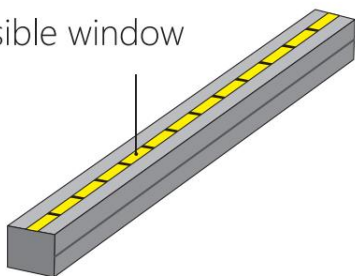


Modify Length Manual (Option)

1: Cut the Strip to length

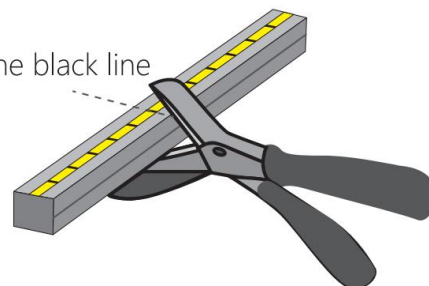
①

Cutting visible window



②

Cut along the black line

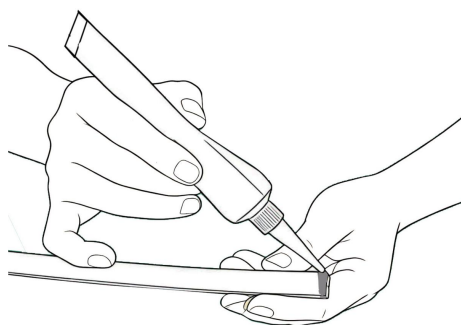


There is a visible window at the bottom or side of the neon strip. The black mark is the cutting position.

Use professional scissors to make a vertical cut along the black marked line. Ensure proper waterproof treatment is applied to the cut end.

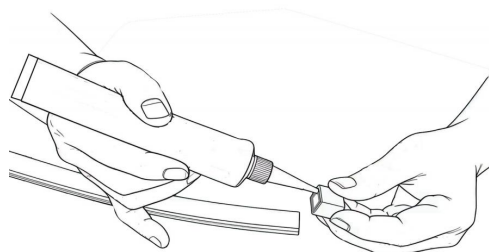
2: Attach End Cap

①



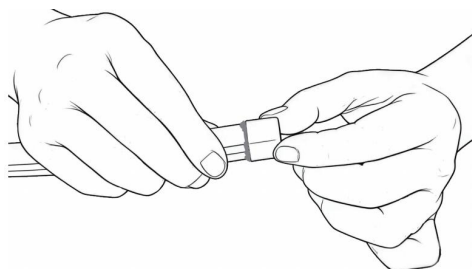
Apply a continuous bead of sealant around the outer edge of the strip end.

②



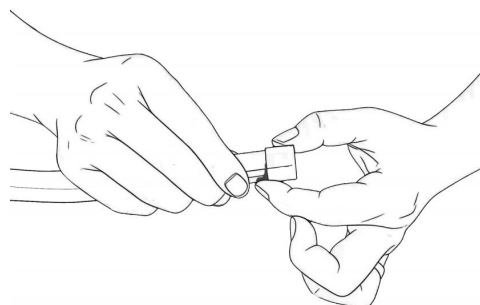
Apply a continuous bead of sealant to the inner wall of the end cap.

①



Fit the end cap securely onto the strip end.

②



Smooth the sealant evenly and allow it to fully cure.

WARNING & NOTICE

- ⚠ To ensure product quality and safety, please follow the operating instructions in a safe place and under power-off conditions.
- ⚠ Wire the power supply to the electrical mains only after the connection to the products has been carried out.
- ⚠ The cable should be suitably protected against direct contact with the ground and avoid letting the product come into direct contact with the ground.
- ⚠ Before powering up the system, please ensure that the polarity is connected correctly. Incorrect connection may cause product malfunction.
- ⚠ Do not install the fixture in areas where water tends to collect.
- ⚠ Under any possible circumstances causing outer cables damaged, excessively bent, pulled or squeezed by external forces, the latter should be replaced by the manufacturer, or by the corresponding service, or by an appropriated and qualified member of staff in order to avoid all risk of danger.
- ⚠ Should the glass break, the product cannot be used.
- ⚠ Do not stare at the operating lighting source.
- ⚠ After 45mins of the sunset or before 45mins of the sunrise are allowed daily operation period for product temperatures $>25^{\circ}\text{C}$.
- ⚠ Fixtures not suitable to be covered in thermally-insulating material.

