

Installation Guide

This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.

Safety Warning!

General

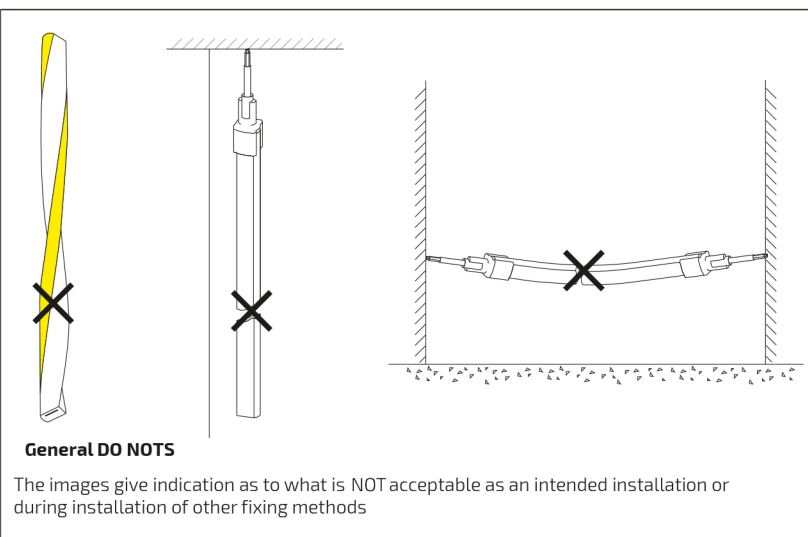
- This product must be installed by a qualified and competent professional.
- When working on the fixture, current resistant gloves should be worn to provide adequate user protection.
- Do not work on the product with wet hands.
- Always disconnect the power supply before attempting to maintain or service the equipment.
- Always operate the equipment as described in this user manual.
- Do not stand close to the equipment and stare directly into the LED light source.
- Make sure that all parts of the equipment are kept clean and free of dust which should be carried out as part of a maintenance cycle that's appropriate for the installation location of the product.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- The power supply (PSU), DMX/RDM driver and LED drivers should be changed if they fail to operate.

Installation

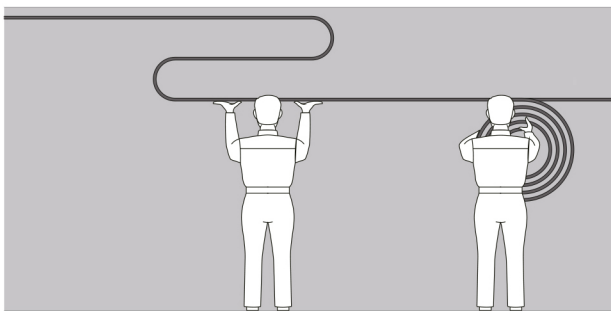
- A minimum distance of 0.5m must be maintained between the equipment and any combustible surface. The mounting surface must not be combustible.
- Always ensure the supporting structure is a flat and solid surface and can support the weight of the product and any additional wind or shear force. The supporting structure must be capable for the installation of luminaires, and advice must be taken from an appropriately qualified and competent person to verify proposed mounting positions and surfaces.
- Always make sure that the equipment is installed securely and ensure all safety anchors are installed.
- The product must be installed within well-ventilated areas.
- Local electrical and building regulations must be followed.
- Avoid shaking or strong impacts to any part of the equipment.
- Always make sure that the power and data connections are connected correctly and securely. If there is any malfunction of the equipment, contact your local distributor immediately.
- This fixture should not be buried.

This user manual is intended to cover as much detail as possible for this product, great care has been taken to ensure this and the accuracy of the information contained within. However should additional information or clarification be required that is not covered within this manual or associated data sheets, or if there are any uncertainties regarding the installation and operation of this product, Distributor MUST be contacted before any work is carried out on the fixture or associated products.

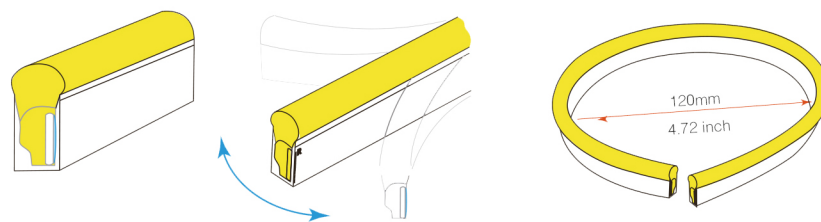
FAILURE TO COMPLY WITH THIS MANUAL AND LOCAL ELECTRICAL AND CONSTRUCTION REGULATIONS MAY RESULT IN SERIOUS INJURY OR EVEN DEATH - ALWAYS ISOLATE POWER BEFORE WORKING ON ELECTRICAL PRODUCTS AND ENSURE ADEQUATE MEASURES ARE TAKEN TO MECHANICALLY SUPPORT FIXTURES AT ALL TIMES.



Side flat and side round shape neon flex

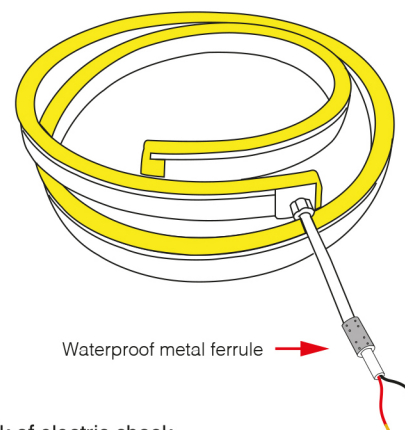


LED neon flex must be installed by at least 2 people, who can support the product in various locations as shown. During installation, care should be taken to ensure the bending radius of is not exceeded.



Specific Installation

- Although this product does not generate a great amount of heat, it is recommended that you do not cover or conceal it.
- Do not route the product through walls, doors, windows, or building structures.
- Do not roll out the product onto rough surfaces or over sharp corners. This will scratch the PVC /silicone optics and damage the finish of the product.
- Do not use the product if:
 - The outer PVC jacket is damaged
 - There are loose electrical connections
 - The wires are visible without insulation.
- Do not secure the product with staples, nails, or alike that might damage the insulation or PVC/silicone material.
- Do not install the product on/in places where it is subject to continuous flexing.
- Do not operate/run the product in temperatures exceeding 55°C.
- Do not operate the product over the specified voltage or LED life degradation will be greatly increased.
- Do not leave any part of the product unsecured.
- Constant movement over time from weather can cause damage.
- Do not reverse polarity when connecting from both ends. This will damage the internal PCB. Always test connections with a multi-meter before applying power.
- Do not energise the product whilst in packaging.
- Do not install in human inhabited pools.
- During installation, violent pulling and bending are prohibited.
- Must always be used with an electrical isolation transformer providing SELV (safety extra low voltage).
- **Do not cut off the cable wire between the waterproof metal ferrule and connector.**



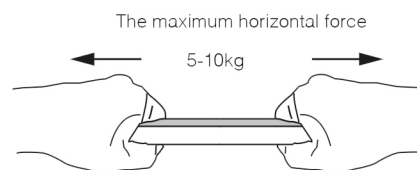
Caution, risk of electric shock



The light source and other electronic components contained in this luminaire shall only be replaced by your distributor service agent.

Mounting Product

Led neon flex is a highly durable product but must be installed in accordance to the pictures shown below, which indicate the minimum bending parameters as well as the correctly bending direction for each specific variant of models



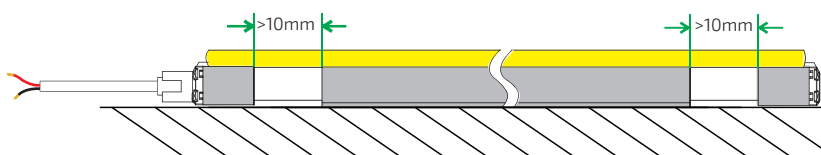
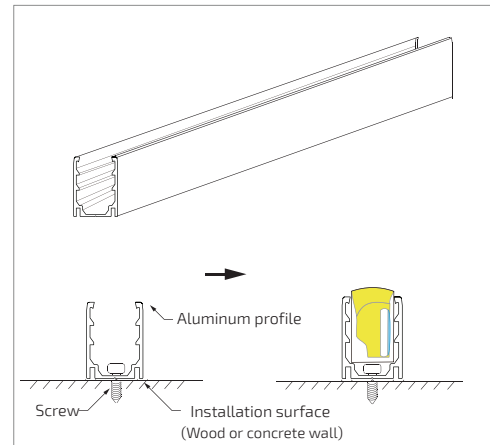
General mounting

LED neon flex can be fastened to surfaces using appropriate accessories available from distributor. Please refer to data sheets or contact technical support for a copy. The use of glues and resins as fixing agents should be avoided. Use of glues and resins may invalidate the warranty of the product, unless its use is agreed in writing by distributor as part of a detailed project specification.

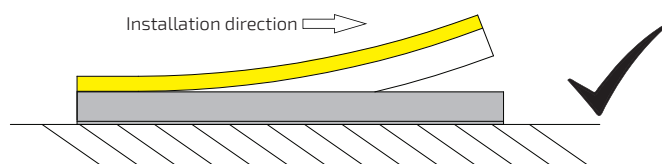
The images indicate one type of fixing available in the accessories range. The different fixings serve obvious purposes, however when in doubt technical support should be contacted.

Quantities of accessories and fixings are dependent on the type and its effect on the variant it's being used with. Care should be taken to ensure drooping is avoided, and to ensure that is fastened adequately to avoid stresses on itself.

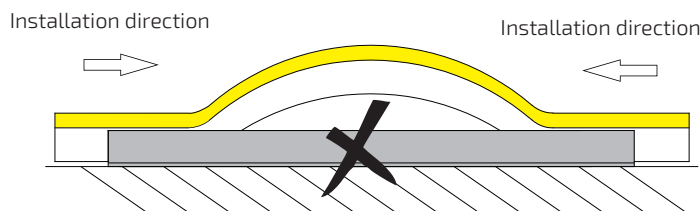
The aluminum mounting piece of IP67 front connector and end cap should keep at least 10mm space apart from aluminum channel when making installation.



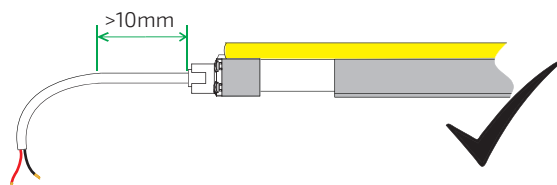
Press the flex light into mounted aluminum channel in one direction.



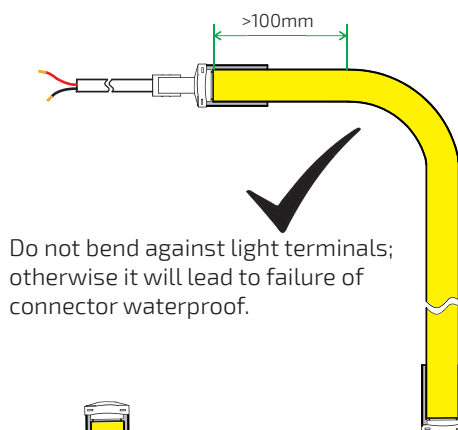
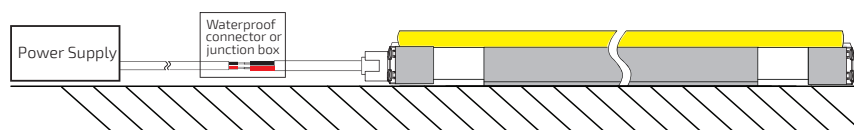
Incorrect installation like below picture could lead to light failure.



Ensure the feeding cable not bear force, keep the head 10mm in natural loose.



Mount the cable junction in hermetic enclosure like waterproof junction box in outdoor application.



Do not bend against light terminals; otherwise it will lead to failure of connector waterproof.

