

Apollo - 6X12 Neon Flex Installation Guide

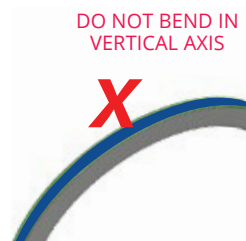
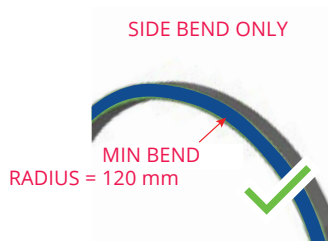
Please read the following pages before attempting installation.



Before you start...

- Always ensure that the vessel's power source and battery are disconnected or isolated prior to installation. A qualified professional should carry out both the electrical and mechanical installation.
- The 6X12 Neon Flex is fully sealed and can be installed inside or outside, it can be installed in wet areas but is not designed to be permanently submerged in water.
- Choose a location – the Neon Flex is made from UV resistant material but should not be installed in areas of strong direct sunlight.
- The Neon Flex has a bend radius of 100mm (4.724in) in the vertical axis, do not bend in the horizontal axis or twist the Neon Flex.
- The Neon Flex is designed to work with 12V or 24V DC boats ONLY. Do not connect voltages outside of this range or connect directly to AC voltage.

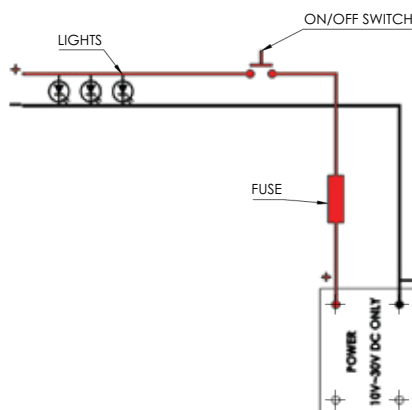
Handling & Bending Neon Flex:



DO NOT uncoil the Neon Flex by picking up one end - always uncoil it carefully along its length.
DO NOT allow the Neon Flex light to drop or twist during install.
DO NOT apply excessive pressure to the Neon Flex this could damage the LED strip inside.
DO NOT pull, stretch, twist or bend the Neon Flex in the vertical axis ALWAYS use 2 people to install lengths of over 10M. One person to install, one person to hold and uncoil the Neon Flex ALWAYS lay the Neon Flex out flat in a straight line - don't allow the Neon Flex to bend, kink, or coil in a heap.

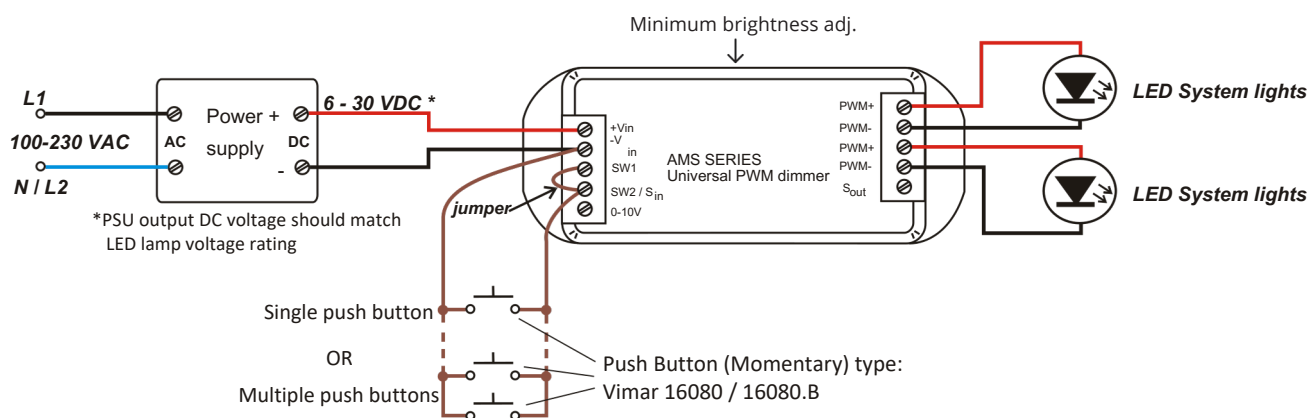
Installations Diagrams:

Single Color Neon Flex - Switch Connection



Neon Flex - Switch Connection

Single Color Neon Flex Dimming



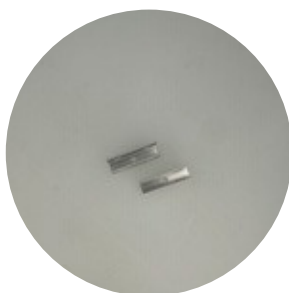
*Only compatible with the Apollo Universal dimmer

Installation Accessories

The neon flex is installed using either aluminum clips, aluminum track 1 meter or 2 meters lengths available, and stainless steel flex track. See the images below. Clips should be spaced every 12 inches and for turns several clips should be to ensure the neon flex conforms well to the turn. The track is perfect for long straight runs and the flex track is good for a lot of turns.



Aluminum Track 1M | SKU: APL112690-V8
Aluminum Track 2M | SKU: APL332635-V5



30mm Aluminum Clips | SKU: APL883815-V3

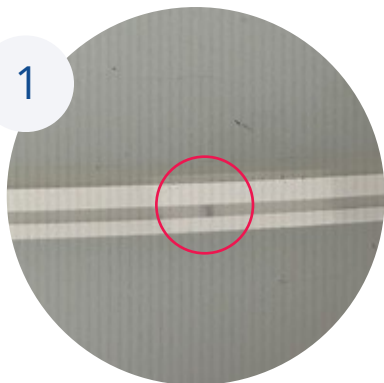


Bendable Stainless Steel Track 5M
SKU: APL406606-V7

Cutting to length and sealing

Special care is to be taken when cutting and sealing the Neon Flex, we recommend that the Neon Flex is "premeasured" before cutting to ensure correct length has been marked out and the steps below followed to ensure correct installation. Following the cutting method below will ensure the Neon Flex seals properly.

1



2



3



Premeasure the neon flex prior to installation and identify the nearest cut point on the backside of the neon flex. Only cut on premarked cut points located on the backside of the neon flex. Cut mark spacing is 55mm (1.97 inches) apart on 24V neon flex, 25mm (0.984 inches) for 12V.

Using a pair of shears or industrial scissors cut the neon flex in the center of the cut mark. Use a single cutting motion when cutting.

Trim back silicone jacket with a razor blade to expose the copper soldering pads. Make sure copper pads are clean and free from debris. Scrap copper solder pads clean lightly with a razor blade. Apply a small amount of solder to each copper pad and apply wires (22 gauge max). Make sure you identify the positive and negative solder pads.

4



5



Once wires are connected, test with power to make sure you have a good connection and neon flex lights up fully prior to sealing. Slide the wires through the silicone powder cap. Prior to pushing the cap on to the neon flex fill cap with 1/3 of silicone sealant and push completely onto the neon flex.

Fill the end cap with 1/3 of the way up with a silicone rubber sealant. Push the end cap on fully to the end of the neon flex and wipe off excess sealant. Allow the silicone sealant to cure before installing. Recommend 3-4 hours after neon flex is sealed before installing.