

120V LED STRIP & NEON FLEX INSTALL SHEET



WARNING



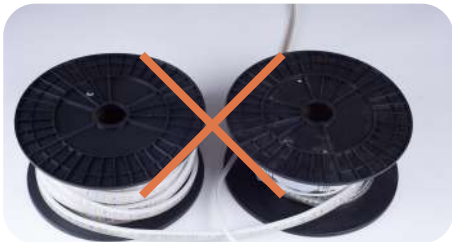
⚠ Do not cover this product as the covering may cause the light to overheat and melt or ignite.



⚠ Unplug the light before installing or replacing fuses.



⚠ Unroll the light before lighting it up. Or else it might melt the rope light and even cause a fire.



⚠ Do not connect together more than 150ft (120V strip lights) or 300ft (230V strip lights) per



⚠ Do not mount or support the light in a manner that can damage the outer jacket or cord



⚠ Do not pull on or stretch rope light as this will damage the inner wires, causing sections to fail.



⚠ Always keep the rectifier/controller on power wire, don't remove it. We do not recommend customers to cut, shorten, or splice the light before consulting a qualified electrician.



⚠ Do not submerge the light in liquids. Connections are non-waterproof yet. Keep all connections away from water and moisture to prevent circuit damage which can lead to fires.

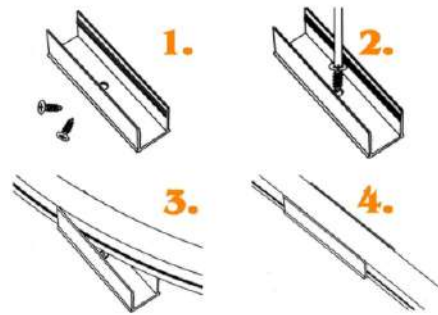
INSTALLATION INSTRUCTIONS

● **Note:** Do not secure the rope lights with staples, nails or like means that may damage the insulation or permanently attach the fixture to a building structure.

- ① Take the LED strips out of the package and unroll it loosen.
- ② Find a surface you want to install the strips on.



3-1 Place the strip on the surface and use a plastic clip to fix it. We recommend to use one clip every 3ft, and remember don't clip over the LED chips.



3-2 Or you can fix aluminum mounting clip or track on the wall using screws, and than insert the light strip into the clip or track.



Bending diameter should be at least 8cm



Leave a 60° soft angle in the corner and use mounting clips in turning places

- ④ Plug into the main power and play.

CUTTING INSTRUCTIONS

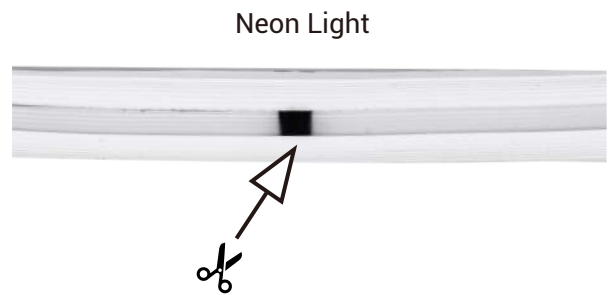
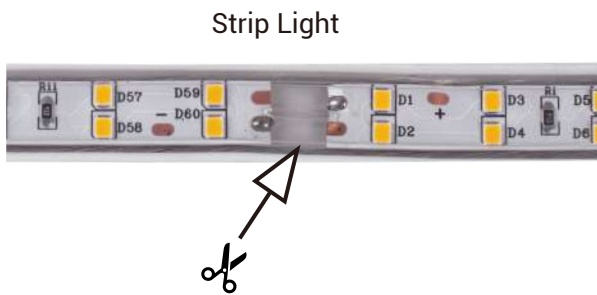
Important Note:

Although all of our strip light can be cut every cuttable interval, we do not recommend cutting for the following reasons:

- > Cutting the rope light voids any certification the product have had in it's pre-modified state.
- > Cutting or damaging outer plastic tubing can cause an electrical/fire hazard.
- > Cutting anywhere besides the cut marks will damage that section of rope light and cause it to fail.

However, we still provide step-by-step guidance on how to safely cut rope light without damaging it and making it work for your specific needs. Please follow these steps as strictly as possible.

- ❶ Disconnect power before you make any cutting.
- ❷ Measure the desired length for your application, most of our rope light is cuttable at every 0.5 meter (approximately 20 inches). Make sure your desired length is divisible by the cuttable interval. If not, round up or down to the nearest interval and make sure this new length will still work with your project.
- ❸ Locate the closest cut spot. There will be transparent gaps on the strip light or black dot on neon light indicating where to cut the rope light. Be sure to avoid cutting the diodes or the circuit boards. If you cut the light anywhere else, the internal circuit will be damaged and the light will not illuminate within the interrupted section that has been severed. Take either sharp scissors or utility knife, line it up perpendicularly and cut exactly at the gap. Try to keep the cut as clean and smooth as possible. You will see inner wires at the ends of your rope lights. This completes cutting the rope light and has prepared the end to receive any accessories that might be attached. A cut piece of rope light must have a few more things before it will work: a power cord with an inline rectifier, end cap, dimmer and controller if necessary.



POWERING INSTRUCTIONS

If you're planning to cut several pieces to place in different locations, you will need to buy additional accessories to power the new cut piece. Our 120V straight line voltage driverless rope lights use AC high voltage and do not require a power adapter. So for single color rope light, you should buy extra power cord and end cap, or a dimmer and end cap. For RGB rope light, you should buy additional controller pack with end cap. The way to attach a power cord/ dimmer/ controller to your new cut piece is quite the same, they all connect to the light by pin. Last but not least, end cap must be attached before attaching to a power source.

- ❶ Disconnect power first.
- ❷ Locate and identify the 2(single color) or 4(RGB) wires in the LED strip light on the positive side. It is important to keep the power flowing in the same direction to avoid mixing up polarity. The sharp prongs of the pin should be in the same direction with the "→" mark on the strip light.



③ Line up the sharp prongs of the pin with the strip light wires. Gently insert the pin into the LED strip light making sure to make a solid and correct connection with the internal wires. The pins do not need to be fully inserted, if you push the pins too far into the strip, it may cause damage to the wires or cause a short circuit.



④ Insert rounded prongs of the pin into the power cord/dimmer controller/RGB controller, LED lights are polarized, if they do not light up when you first plug them in, simply unplug the power cord and turn 180° the power cord as indicated and reconnect the strip light again.



⑤ Test the strip to make sure the light works by plugging in the power supply into an outlet. The lights should now come on. If the lights do not come on, please check the first step again. Always keep the rectifier or controller on power wire, don't remove it.

WATERPROOFING INSTRUCTIONS

Important Note:

Our 120V LED rope lights are not fully waterproof. When using our rope lights outdoors, **all connections, power cords, and end caps must be properly resealed to prevent moisture intrusion which can cause dangerous short circuiting and even lead to fires.** When using lights indoors, proper waterproofing would extend their lifespan. Also re-waterproofing your LED strip is a must after you have cut the strip. Waterproof PVC or silicone is required to seal all connections, power cords, and end caps. NOTE the use of any non-recommended sealant e.g. electrical tape may result in a strip light or strip light accessory failure and will void the warranty.



① Disconnect power first. Cut about 4 inches of the shrink tubing, and then slide it over the power cord.



② Then waterproofing the connections by applying silicone adhesive liberally into the inside and outside of the connected area. Gently press out any bubbles and make sure to wipe out excess adhesive, let it dry for 24 hours.



③ Slide the heat shrink tubing over the connected area, then use a heat gun to heat up the tubing to create the seal.



④ To create an authentic watertight seal, you need to further waterproof it by wrapping more tubing around connections in an overlapping spiral fashion, then use a heat gun to repeat these steps. Make sure the end cap get waterproofed too.

Troubleshooting

Problem	Possible Cause	Solution
The entire light will not illuminate	Incorrect power source	Ensure the light is plugged into an 120V AC outlet and the power is on.
	Loose pin connection	Check the pin connection and make sure the pin is inserted fully into the internal wires.
	Mixed polarity	Check the right polarity according to the POWERING INSTRUCTIONS section.
	Rectifier issue	Replace the power cord or a controller.
	Blown fuse	Check if the inline fuse on the plug has blown, fuses normally blow out when they short circuit caused by water intrusion or damaged wiring connections. Waterproofing the strip properly, check the wiring and replace with a 125v AC 5A fuse.
The light has sections that will not illuminate	Manufacturing flaw or mechanical damage during shipping	Check if the sections do not light up when the light first arrives.
	Incorrect bending during installation	Do not fold or stretch the strip light. Do not bend the light to sharp angles or make repeated and continuous bending as this may damage circuit traces.
RGB remote will not work	Radio frequency interference	<p>Pair your remote to controller.</p> <ol style="list-style-type: none"> 1. switch off the power 2. hold down the brightness up button for 5 seconds 3. switch on ther power 4. led start flashing showing your remote is now fully paired to the controller 5. try the remote to see if it's working