



# Satori™ Neon Side Bend LED Strip Light

## Installation Guide



## Introduction

**Welcome to évoralignt:** Brighter Together. Our premium LED tape lights are designed and manufactured to become purpose-centric lighting solutions. Lighting made for humans, by humans. Continue along to read more about proper installation, safety instructions, and warranty information.

### UL Listing and Compliance Information

Our products are UL Listed which means they are safe to use and free from any hazardous substances. To comply with UL standards and inspections, please keep in mind that:

- A Class 2 power supply is to be used with each run of lights.
- Each installation of LED strip lights in series should consume no more than 60W for 12V or 100W for 24V DC.

### Español:

- Se debe utilizar un transformador de Clase 2 cuando es necesario ajustarse a las normas de seguridad UL.
- La instalación no debe exceder un máximo de 60W en 12V o 100W en 24V DC cuando se conecta la tira LED en serie.

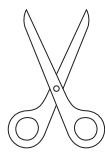
### Français:

- Pour être conforme aux règles de sécurité, une source d'alimentation de Classe 2 doit être utilisée.
- L'installation ne doit pas dépasser un total de 60W pour 12V ou 100W pour 24V DC lorsque les bandes LED sont montées en série.

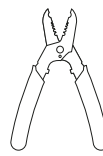
## Tools Needed



Screwdriver



Scissors



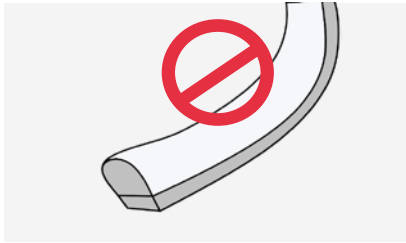
Pliers



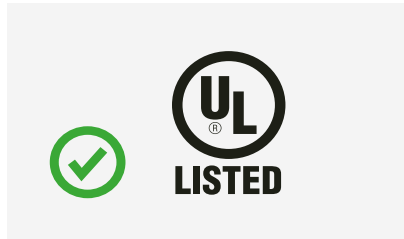
Silicone Sealant\*

\*Neutral-based electronics grade silicone sealant

## Safety & Warnings



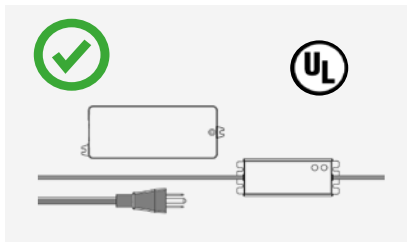
This Neon Strip Light is a side-bending LED strip light, which means it only bends in the opposite direction of the light, so bending it up and down could damage the LED strip light.



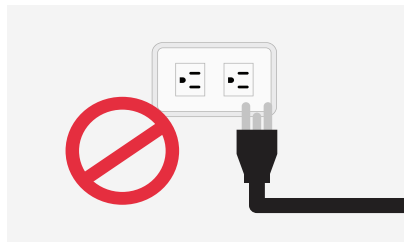
Installation must be in accordance with local and national electrical code regulations.



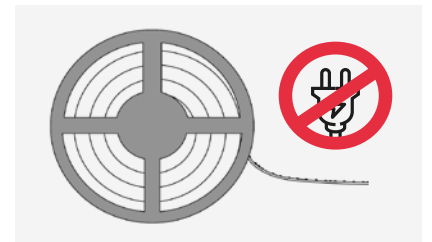
To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.



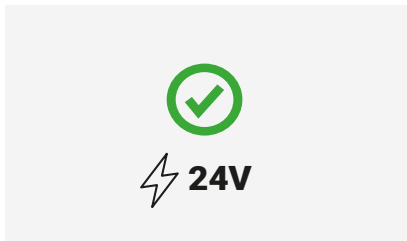
To meet UL requirements, only install with a Class 2 DC Constant Voltage LED driver.



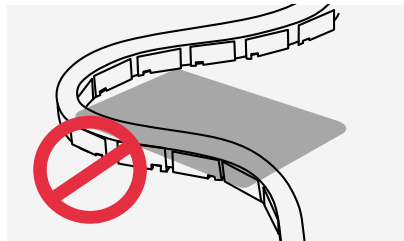
Do not directly connect a strip that requires DC power to an AC wall outlet.



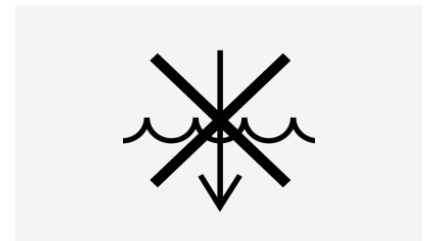
Do not power the Neon LED Strip Light while still attached to its spool.



Pay attention to the input voltage of the LED strip light and never exceed that voltage, even briefly.



Do not cover this product with any kind of combustible material such as paper, fabrics, etc.



Do not submerge in liquids, or use within 5 feet of a swimming pool.



Do not secure this product with any kind of staples, nails, or materials that could potentially damage the product in any way.

Keep these instructions for future reference.

## Component Check



Neon Side Bend LED Strip Light



LED Driver



Neon Side Bend Connectors and Accessories (if needed)

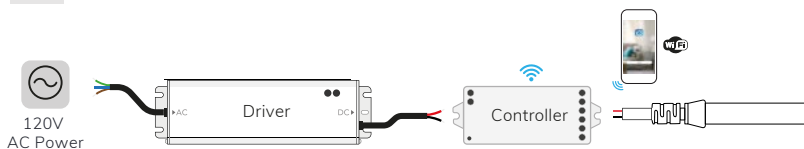
- Make sure that you have everything you need to complete the installation and that all components are compatible.
- Do not exceed the maximum run length of your Neon LED strip light, as this may cause voltage drop and unwanted effects.

## Installation Instructions

Before installing permanently, make sure to complete a mock installation to test your lights and turn them on to make sure all components are working correctly. It is important that you have a clear vision of your project and know what you want the end result to look like. Plan where you want to install your driver and dimmer. Lay out all the components in the correct area.

**NOTE: Please ensure that the portion of the product that has not yet been installed is supported during the entire installation process. Failure to follow this instruction could result in damaged or broken segments due to the weight of the product.**

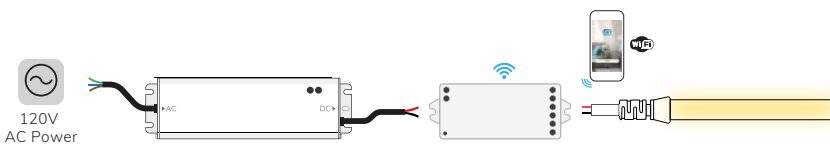
### 01 Mock Installation



Connect your Neon strip light to your dimmer and power supply. It is very important to do this before cutting your light or sticking it on a surface.

Turn on your lights and check to see if everything is working properly.

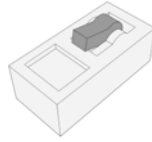
### 02 Troubleshoot If Needed



The strip should light up after connecting it to your dimmer and power supply. If it does not, please check your connections and make sure the polarity matches all the way through from the power supply to the LED strip (positive to positive, negative to negative).

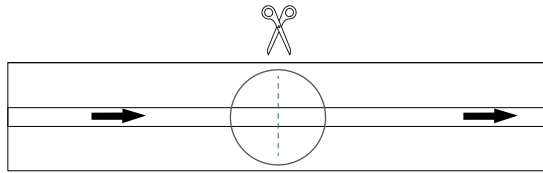
Before installing your lights, check to see if the brightness level and color temperature you chose for your project look the way you envisioned. You will be ready to proceed with the installation after testing your lights and components.

**03 Turn Power Off at Circuit Breaker**



Turn the power off at the circuit breaker to avoid any possible injury.

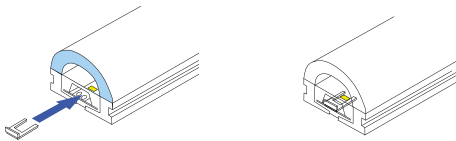
**04 Cut the Strip Light to Required Length**



**Important:** Before cutting your Neon strip light make sure the indicating arrows printed on the sleeve are pointing in the opposite direction to power.

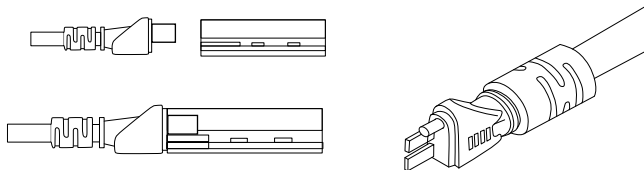
Measure the strip light to the required length. Locate the cutting point on your strip light. If you look on both sides of the strip, you will see a black line in the middle of the back. The line signals all cutting points on the strip. Using industrial shears, cut through the Neon strip light making sure to cut in a straight line.

**05 Prepare the Strip Light for Connectors**



Grab a spacer that comes with the connector and insert it over the LED strip light. Each end of the spacer should slide next to the first LED chip on your strip light. Do not forget to use the spacers as they protect the LEDs against any unwanted contact when bending the Neon strip light.

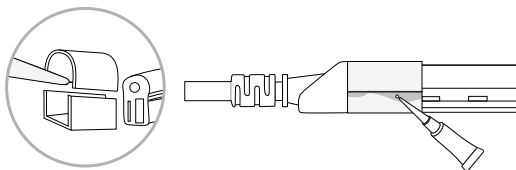
**06 Attach Power Connectors to the Strip Light**



Grab the first half of the power connector and slide it into the Neon strip light, making sure the blades on the connector are placed between the actual strip light and the clear plastic below the strip light.

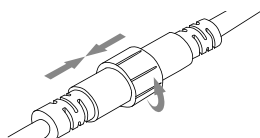
If you are installing jumper connectors, please note that some strip lights such as the RGB neon strip light will require soldering for this step.

**07 Install the Front Caps and End Caps**



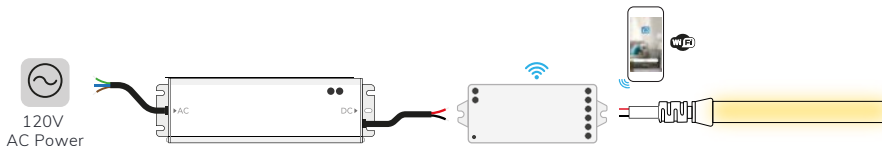
Confirm your connections work properly and put some silicone sealant inside the front cap. Then, place the front cap over the connection. Make sure it is properly adjusted until it snaps. Let the sealant cure according to its own instructions before using the Neon strip light. Repeat the last step using the end caps.

**08 Finish Attaching the Power Connectors**



Use the second half of the neon strip power connector by screwing together the connector caps of both pieces.

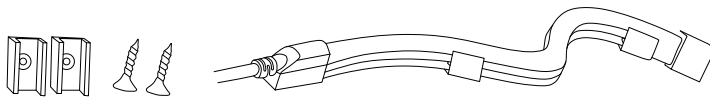
## 09 Retest the Setup



Test the strip again to make sure it lights up and is functioning properly before the final installation. Once you have verified all segments are working, you are ready to install them.

## 10 Mounting the Neon Strip Light

### 10.1. Mounting the Neon Strip Light using Mounting Brackets



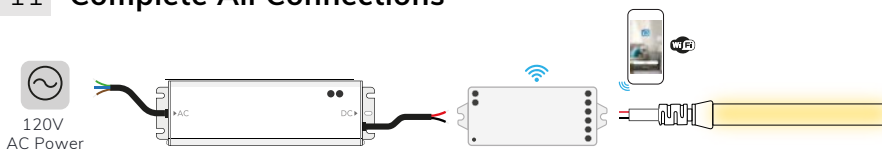
Using the included screws, fix the mounting brackets to the surface. It is recommended you use one mounting bracket for every meter of the Neon strip light. Insert the Neon strip light into the mounting brackets.

### 10.2. Mounting the Neon Strip Light using Rigid or Flexible Mounting Channels



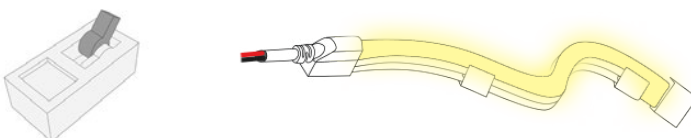
Use either the Rigid Mounting Channel or the Bendable Channel to install your Neon strip lights. Simply affix the channel onto the desired surface using the appropriate style screws for your application, and then insert the Neon strip light into the channel.

## 11 Complete All Connections



Complete the connections and wiring between your power supply, dimmers, and controllers. For more guidance, refer to the system diagrams below on how to connect your Neon strip lights to your driver.

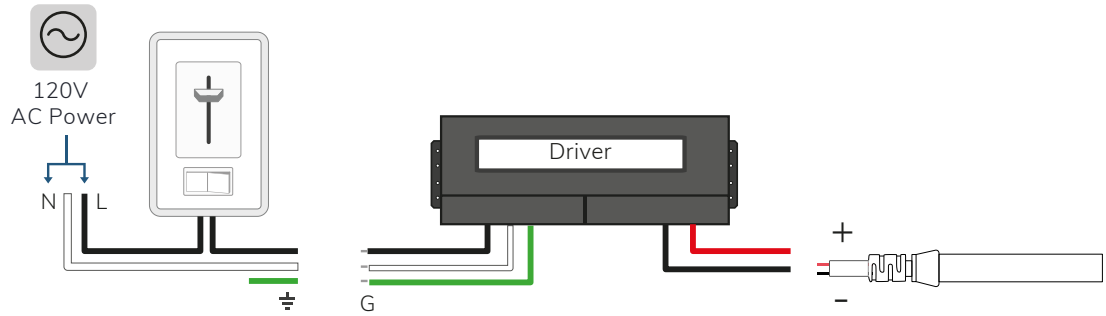
## 12 Turn Power On at Circuit Breaker



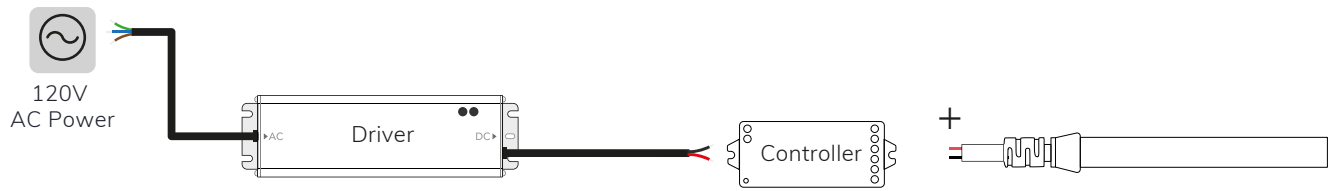
Turn on the power. The Neon strip light should light up and work properly.

## System Diagrams

### ELV/MLV Dimming



### PWM Dimming



## Warranty

This product has a limited warranty from the date of shipment. Please see the product's spec sheet for more details on the actual warranty length. This warranty only includes the main product outlined in this document and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at <https://www.evorlight.com/> within the policies section. For warranty related questions please contact our product support team at [support@evorlight.com](mailto:support@evorlight.com)



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