Beamever
Designer's Custom Playground

LINIO NEON 1617 TV POOL

INSTALLATION MANUAL

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Before you start 1

Warning 1

Installing Neon 2

01 Installing with PC channel 3

02 Installing with bendable PC surface channel 4

Wiring Diagram 5

Trouble Shooting 7

LINIO NEON 1617 TV POOL

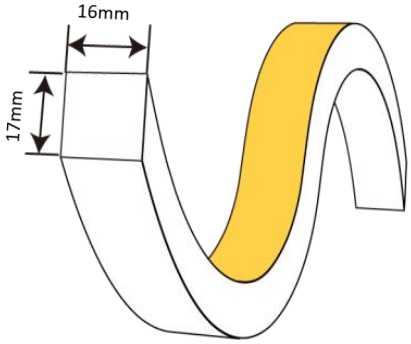
Installation Manual

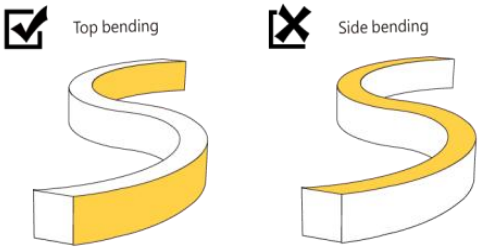
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ATTENTION: This product should be installed by a professional licensed electrician.

Before you start

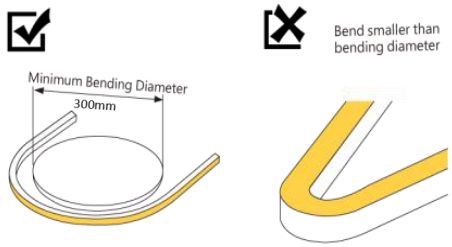
1. Verify all product is accounted for and in good condition. If not, please contact information at the bottom.
2. Please check local electrical codes.
3. Turn power off before installing, and make sure to use properly rated wire.
4. Modifying or not following instructions will void the warranty for this product.
5. Please read the instructions entirely before starting installation.
6. For specifications that call for more intricate installations, please don't hesitate to contact us at info@beamever.com.

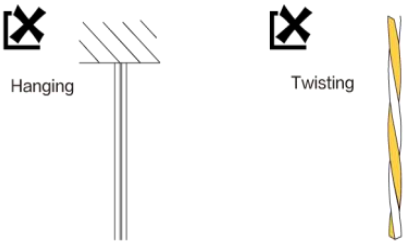




Warning

1. Please operate this product by instructions, and confirm the work voltage, it must be matched with product specifications.
2. Connect and cut this product correctly. Incorrect operations may damage this product.
3. Use qualified DC power supply.
4. The most suitable operation temperature shall be -40℃~60℃. DO NOT operate light when ambient temperature exceeds this range.
5. DO NOT energize the light over 30 minutes in coil packaging while the product is still coiled.
6. Avoid direct contact between the product and any paper materials to prevent sticking or surface damage.
7. The maximum bend diameter is 300mm. DO NOT overbend - it may cause product damage. Do not twist, drop, hang, drape the product in any way other than the intended approved installation. This product can only bend vertically in relation to its light output.

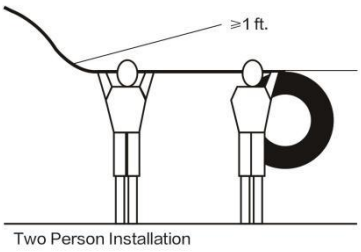




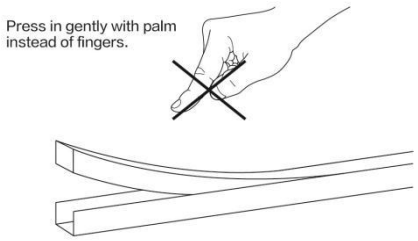
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Installing Neon

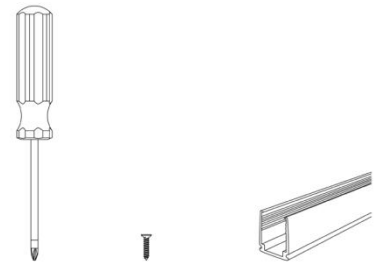
- It is recommended that the installation be performed by at least 2 persons to ensure proper handling of the product and prevent damage to the electronic and housing construction.
- Please make sure to install the product into profile carefully and correctly. Taking out the product and re-assembling will most likely damage the product.
- Only use hands to install fixture into mounting clips or channels.
- Install the neon from one direction to avoid choking in the middle.
- Whenever possible, use your palm instead of your fingers to press the neon into the channel for more even pressure.



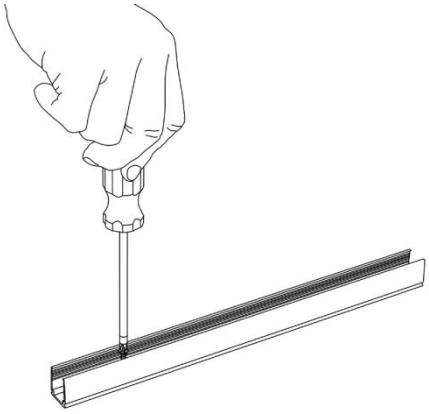
Two Person Installation



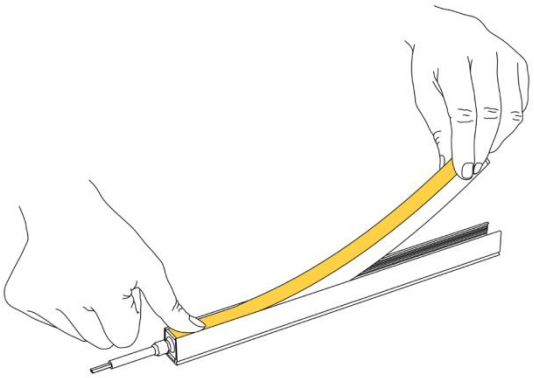
01 Installing with PC channel



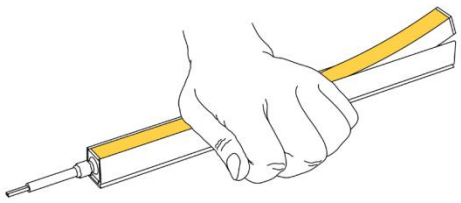
Step 1 Gather all necessary tools and materials.



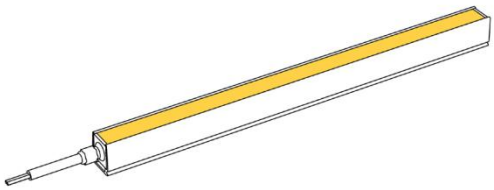
Step 1 Secure the channel to the installation surface using the provided screws.



Step 2 Insert the wired end of the LED strip into the channel opening. Use your thumb to press and secure the beginning of the strip.



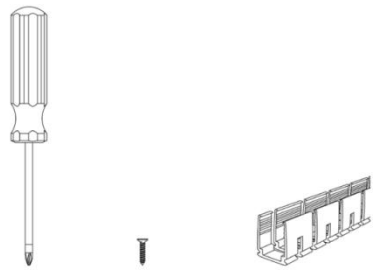
Step 3 With your palm, press the rest of the neon LED strip firmly and evenly into the channel.



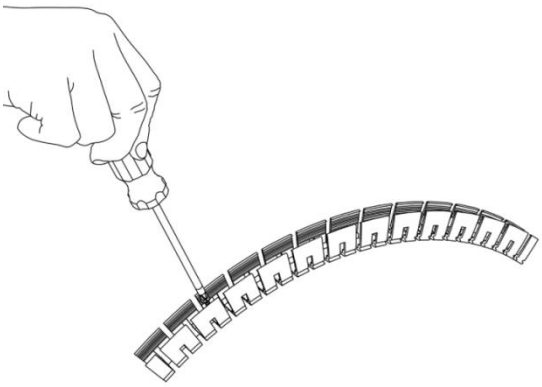
Step 4 Ensure the strip is seated flush and parallel within the channel for a clean, straight installation, as illustrated.

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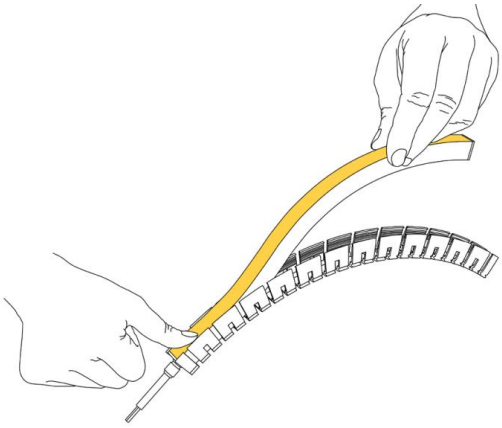
02 Installing with bendable PC surface channel



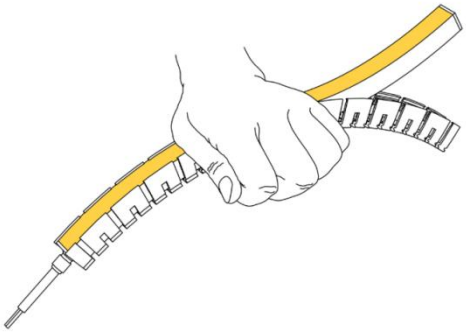
Step 1 Gather all required tools and materials.



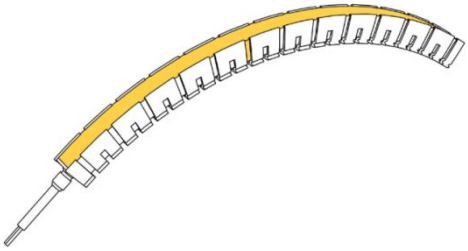
Step 2 Bend the flexible PC channel to match the contour of the installation surface. Secure it tightly against the surface using screws.



Step 3 Begin by inserting the wired end of the neon LED strip into the channel.



Step 4 Press the strip firmly and evenly along the curve until it is fully seated.



Step 5 Ensure the strip is securely in place and follows the channel's curve for a smooth, continuous line of light.

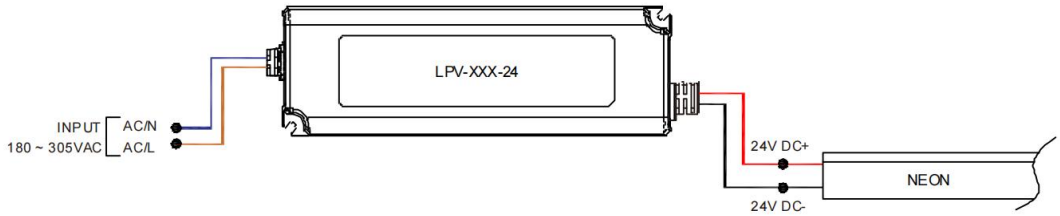
Note:
The min. bending diameter of this channel is 600mm.

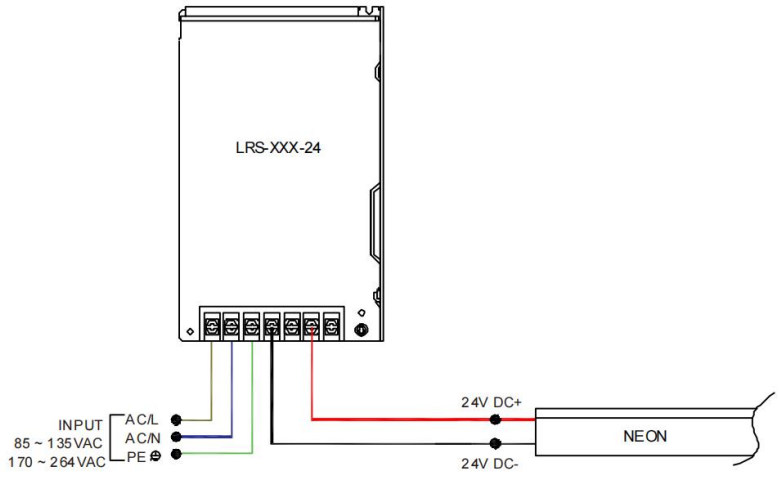
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Wiring Diagram

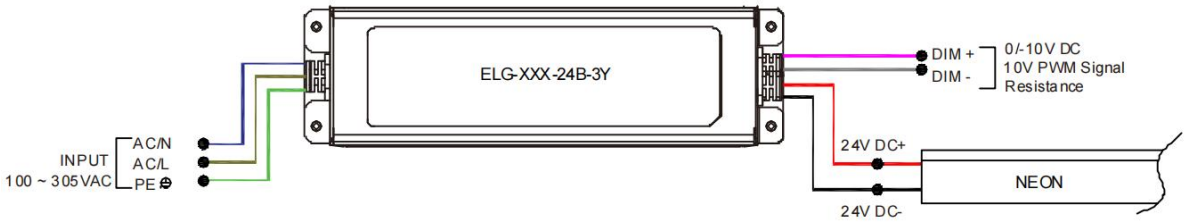
- Disconnect power at the source prior to attempting installation.
- Use this product with appropriate 24V DC power supplies only. Unapproved power supplies may damage the product.
- Always observe proper polarity.
- Ensure to add 20% buffer when sizing power supply.
- Ensure that the power cable carried current is no greater than 80% of its capacity.
- To minimize the voltage drop and keep light consistency, position power supply nearest to the power feed end of the fixture and keep the power line as short as possible.
- Prior to installing 24V DC power supply, refer to the power supply installation instruction for more information.

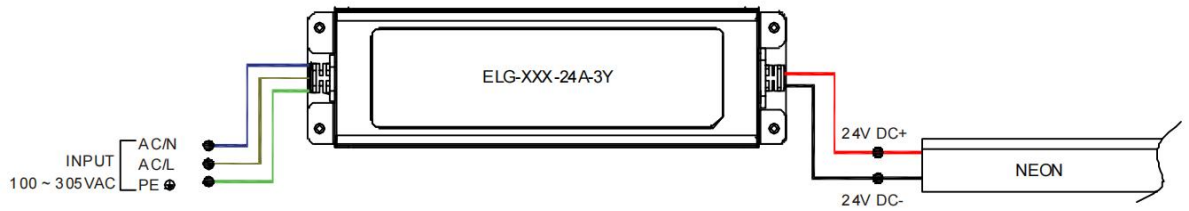
Non Dimmable



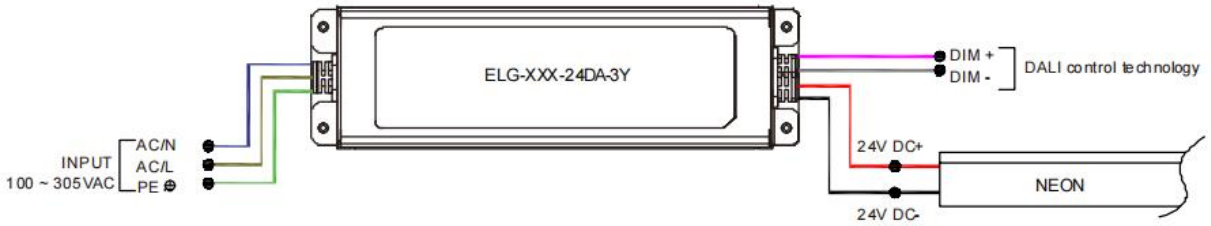


3 in 1 -dimmable





DALI-dimmable



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Trouble Shooting

01 The whole strip doesn't work.

- Check whether the power supply is plugged in, switched on and receiving power.
- Check whether the strip, decoders, controllers are connected to the power supply correctly.
- Check whether the polarity of all wire connections are connected correctly.
- Make sure power supply output voltage is 24V DC.
- Check whether the connector and end caps are inserted behind the PCB properly.

02 Light emitting appear dim or dull at one end.

- Check whether the power supply output voltage matches the strip's rated input voltage.
- Adjust the dimming level to the maximum.
- Use two-end feeding or split the installation into shorter electrical runs to avoid voltage drop.
- Check whether the strip is too far away from the power supply leading to voltage drop.

03 Light emitting appear excessive brightness.

- Check whether the output voltage of the power supply matches the rated voltage of the strip.
- Check whether the power grid is stable.

04 The first segment of the strip doesn't work.

- Check whether the strip is NOT cut on indicated cutting mark in a straight line.
- Check whether the strip was cut at the correct cutting mark. If cut incorrectly, discontinue installation and contact your supplier for replacement.
- Check whether the first LED was damaged during connector/end-cap installation. Do not attempt to re-seal or re-assemble on site. Contact your supplier for support.
- Check for possible water ingress caused by improper connector or end-cap installation. Replace the section only with a factory-sealed unit.
- Check for signs of external impact damage. Replace the affected section with a new factory-sealed unit.

05 Strip is flashing on and off.

- Check whether the wattage of the power supply supports the load of the entire length of the strip.
- Select the appropriate power supply wattage or install an additional power supply.
- Check whether the power supply output voltage is stable.
- Check whether the connector/end cap is properly installed with good contact with the copper PCB.
- Check whether proper controller is connected for light working.

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