Beamever
Designer's Custom Playground

GRAZE TV PRO

INSTALLATION MANUAL



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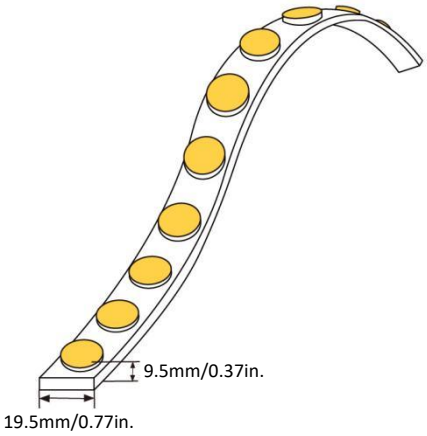
GRAZE TV PRO

Installation Manual

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

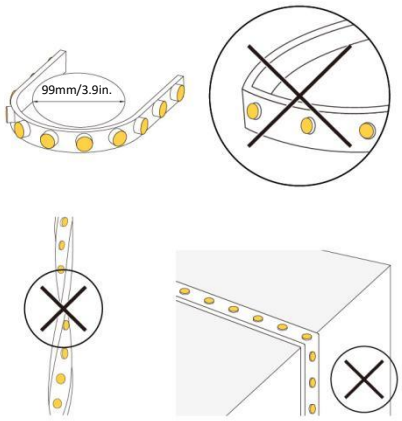
Before you start

1. Verify all product is accounted for and in good condition. If not, skip installation instructions and see 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 requirements.
2. Connect and cut this product correctly. Any wrong operation will damage this product.
3. Use qualified DC power supply.
4. The most suitable storage temperature shall be -25~60℃ (-13~140°F). DO NOT operate light when ambient temperature exceeds this range.
5. DO NOT energize the light over 30 minutes in coil packaging.
6. Please make sure the product does not stick with any paper related material directly.
7. DO NOT bend the product less that the minimum bend diameter 100mm (3.94 inch) at any point, as it may cause product damage. Do not twist, drop, hang, sag the product in any way other than intended. This product can only bend horizontally in relation to its light output.



Installing Neon

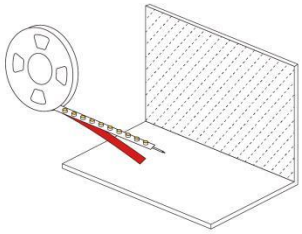
- It is recommended that installation is performed by at least 2 persons to ensure proper handling of the product and prevent damage to the internal and external construction.
- Please make sure to install the product into profile carefully and correctly. Taking out the product and re-assembling will 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.
- Press the neon into the profile gently with palm instead of fingers.

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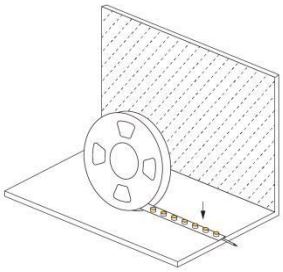
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01 Installing with Back Tape

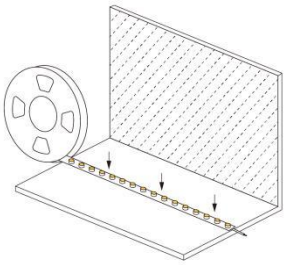
Step 1 Take the product out of the packaging box and tear off the tape on the back.



Step 2 Install the product where you need it (ensure the wall is smooth), and stick it firmly.



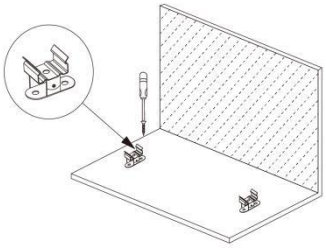
Step 3 Connect the product to the low-voltage driver and energize it.



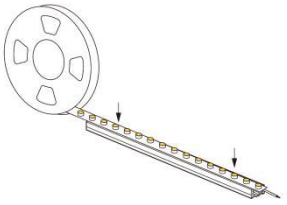
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02 Installing with Straight Channel

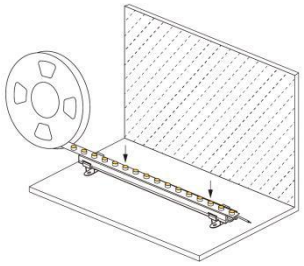
Step 1 Take the strip, aluminum profile and rotating brackets out of the box, and fix the rotating brackets to the needed position with a screwdriver. It is recommended to use ONE mounting clip for 1 ft of the neon.



Step 1 Put the strip into the aluminum profile, and press the light down along the profile to ensure the light is tightly stuck into it. Then fasten the profile on the rotating brackets (according to the glowing angle requirements, the rotating bracket can be adjusted).



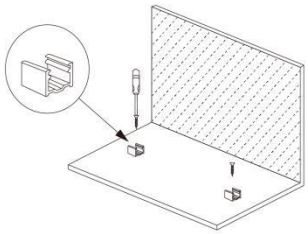
Step 2 The specific glowing effect can be adjusted according to the needs of the application. After the installation, connect the strip to the low-voltage driver and energize it.



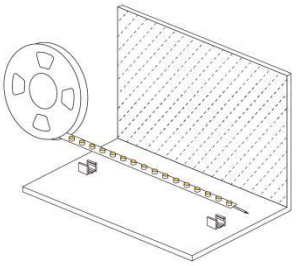
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03 Installing with Mounting clip

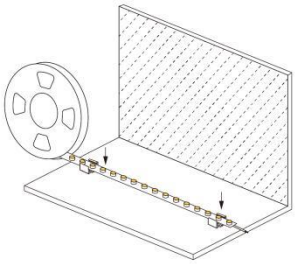
Step 3 Take the mounting clips and screws out of the packing box, and use a screwdriver to install these clips where needed.



Step 4 Take the strip out of the box, then put the light into the clips and secured it. It is recommended to use ONE mounting clip for 1 ft of the neon.

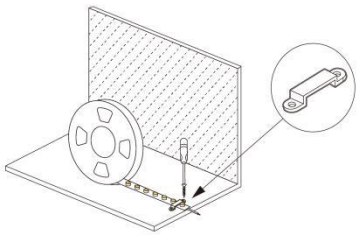


Step 5 Connect the product to the energize it.

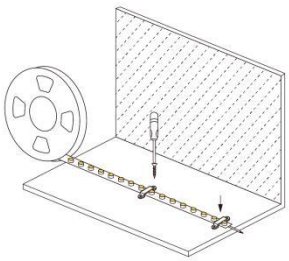


04 Installing with Silicone Mounting Clip

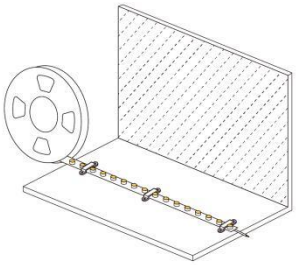
Step 1 Place the strip where needed, and refer to the installation distance diagram for the specific glowing effect.



Step 2 Remove the silicone mounting clips and screws from the package box, and fix these clips with a screwdriver. It is recommended to use ONE mounting clip for 1 ft of the neon.



Step 3 Connect the product to the low-voltage driver and energize it.

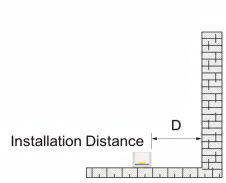


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Installation Distance

Beam Angle / Installation Distance

15°



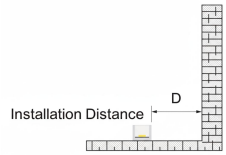

D=50mm


D=100mm


D=200mm


D=300mm

30°



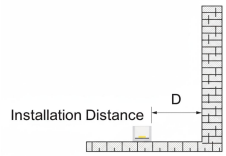

D=50mm


D=100mm


D=200mm


D=300mm

45°



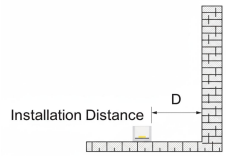

D=50mm


D=100mm


D=200mm


D=300mm

60°



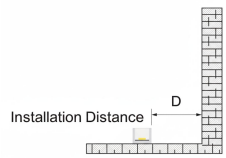

D=50mm


D=100mm


D=200mm


D=300mm

20° x 45°




D=50mm


D=100mm

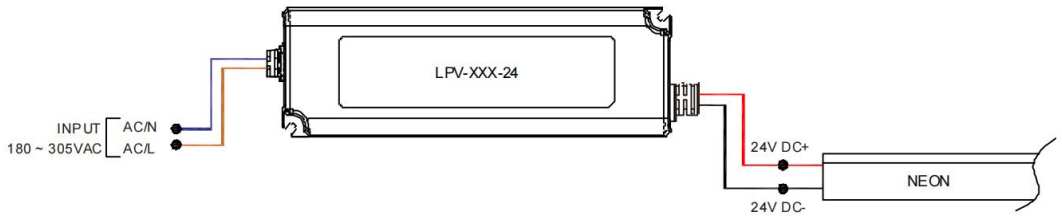

D=200mm

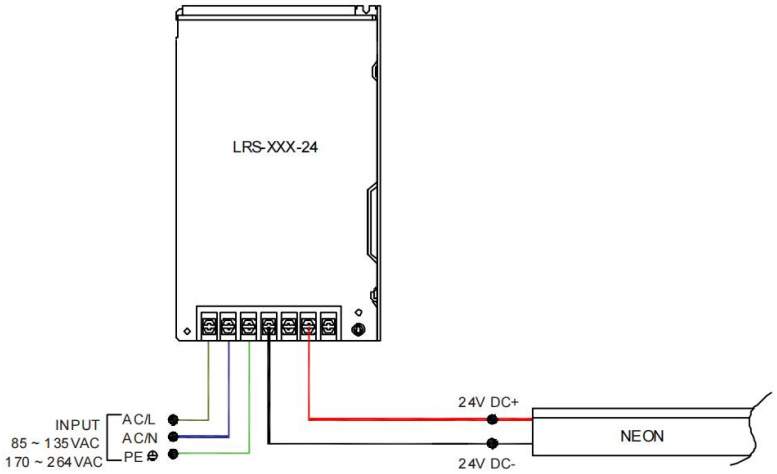

D=300mm

Wiring Diagram

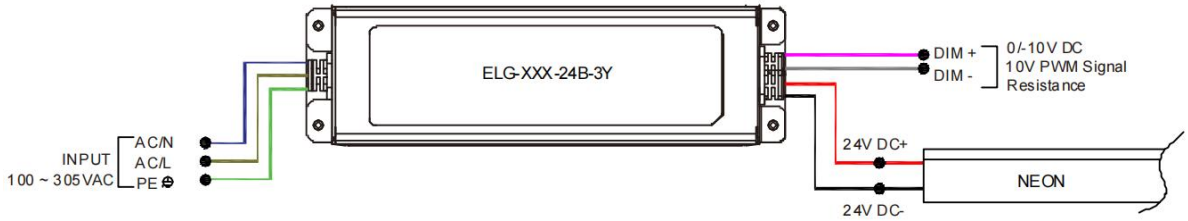
- Disconnect power at the source prior to attempting installation.
- Use this product with appropriate 24V DC power supply only. Any other power supply may damage the product.
- Always observe proper polarity.
- Ensure to add 20% buffer when sizing power supply.
- Ensure that the power cable carried 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

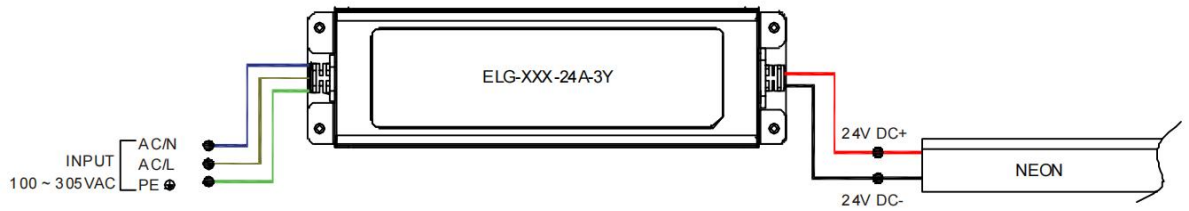




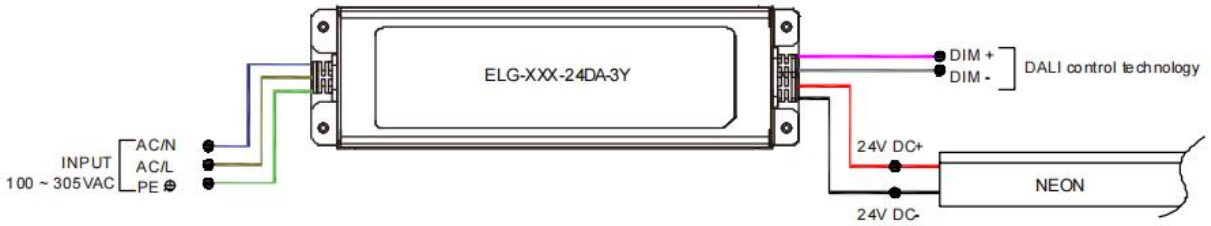
3 in 1 -dimmable



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DALI-dimmable



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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