

Installation instructions for neon lights

1.

⚠ WARNING !

The following safety precautions are intended to prevent any injury or damage to other things, and may cause damage if the product violates precautions during use.

- 1、 Installation and inspection of the product must be carried out by a professional with an electrician's certificate.
- 2、 Please use DC24V power supply. Please insure right positive and negative connection. Do not use other power sources, such as AC220-240V.
- 3、 All power cables should be with protection treatment. The power supply wiring should be insulated and waterproof.
- 4、 The product should not be covered thermal insulation material or inflammables, which may cause the product to malfunction or catch fire.
- 5、 The installation must be firm, without loosening, sagging, etc., and the product cannot be moved forcibly after installation.
- 6、 For safety, do not look directly at the LED light source.
- 7、 Do not use as task illumination when in building construction.
- 8、 LED module can't be changed.

PRECAUTIONS

Precautions for storage:

- 1、 storage temperature and humidity: 0°C-55°C 40-70%RH
- 2、 Do not unwarped packaging during storage. Please place in the direction indicated by the carton. Do not stack heavy objects on the packing box.
- 3、 Please do not store the product under the following conditions:
 - High humidity
 - High temperature
 - confetti and dust
 - sunlight exposed
 - Chemicals such as strong acids, strong bases, solvents, etc

Precautions for installation and use:

- 1、 Install in strict accordance with the instructions.
- 2、 temperature of product use: -10°C-+40°C. Do not use under the following conditions:
 - High temperature
 - high humidity,
 - dust,
 - sun exposure,
 - strong acid and strong alkali solvents,
 - >2000 meters high altitude,
 - high air pressure,
 - electromagnetic influence,
 - places that may cause vibration or fall
- 3、 Random cutting, breakage, forcibly pull, twist, press and tag on the product is prohibited.

2.

Bending radius

When bending radius of the strip is $\geq 100\text{mm}$, do not bend the strip with less than the radius.

Image 1

Lamp Center

Do not press the LED lamp beads

Prohibit the side pressure lamp beads

Image 3

Twist length

When the twist length is $\geq 500\text{mm}$, the twist angle can be 360° . When the length is less than 500mm, the strip can't be twisted.

Image 2

Do not energize the light strips in the reel or when there are other entanglements.

Image 4

I Fixed Type

1. Fix with aluminum groove

Top bend

Side bend

Aluminum groove

Confirm location

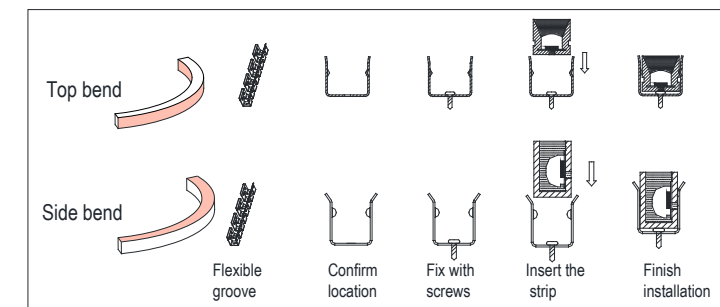
Fix with screws

Insert the strip

Finish installation

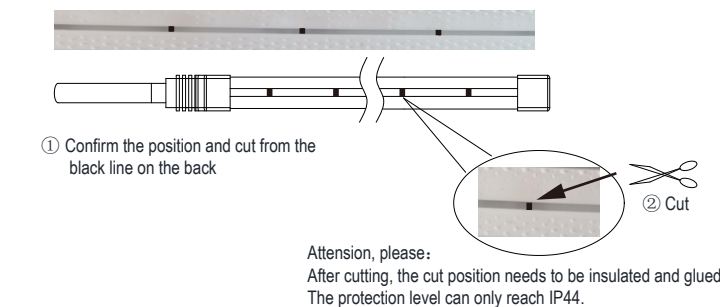
3.

2. Fix with flexible groove

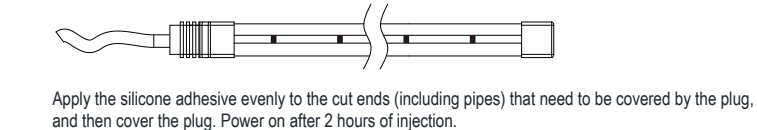


II Cut

Please cut as follows:



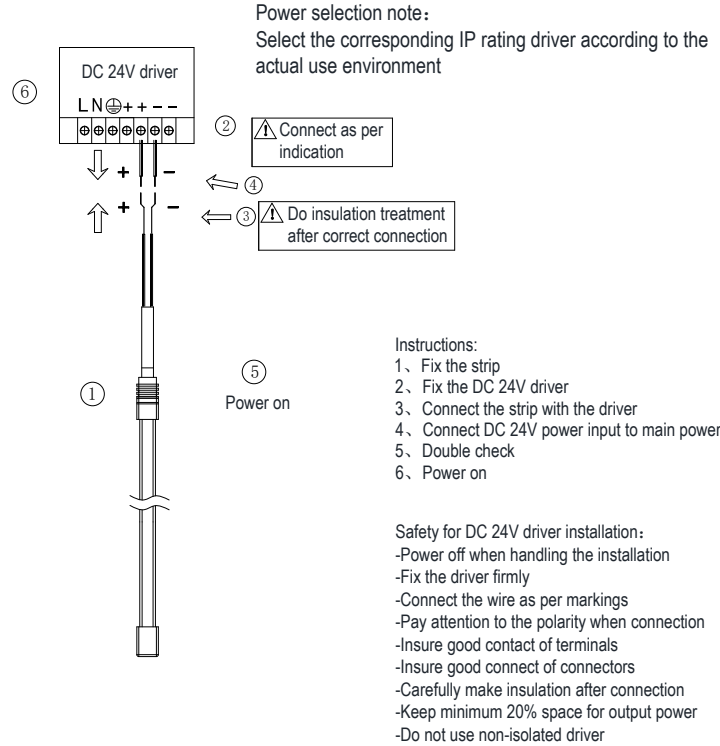
③ Cut-end treatment



4.

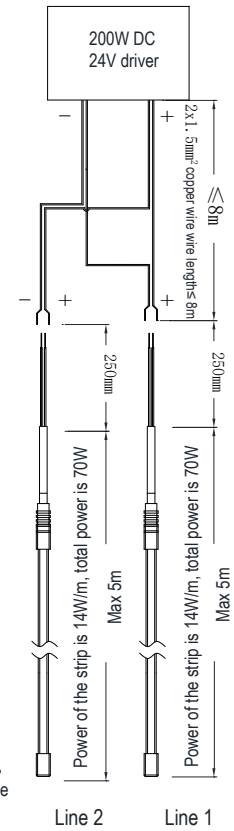
III Driver installation and wiring

DC 24V driver installation



5.

Connect more than 5m - Type A.

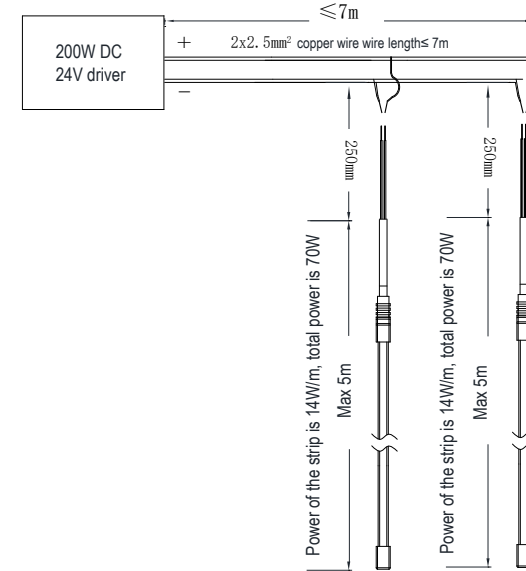


Note:

- 1、 It is suggested to keep minimum 20% space for output power. Driver in the figure is 200W and the power of strip is 14W/m, so the loadable length is 11m, and the actual length is rounded to 10m
- 2、 The max connection length is 5m
There are 10m in the figure. The strip over 5m should be led separately from the driver (led from the driver in two separate loop)

6.

Connect more than 5m - Type B



Note:

- 1、 It is suggested to keep minimum 20% space for output power. Driver in the figure is 200W and the power of strip is 14W/m, so the loadable length is 11m, and the actual length is rounded to 10m
- 2、 The max connection length is 5m
here are 10m in the figure, the one over 5m should be connected to the main line separately

7.

Maintenance

- to ensure the stable use of the product and prolong its service life, regular inspection and cleaning is needed
- Cleaning and inspection at least every 3 months with power off

Inspection Method

- Whether driver and chips work well
- Whether there is unusual smell, sound or heat.
- Whether there are breakage, or looseness, etc. If an abnormality is found, please immediately power off and stop using, and eliminate the abnormality in time.

Cleaning

- Gently wipe the product with a soft cloth.

8.