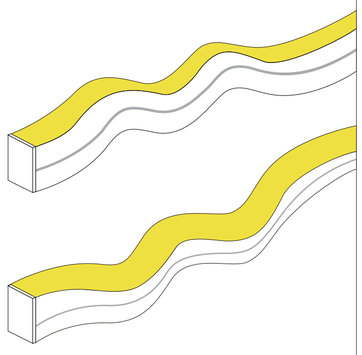
LED NEON LIGHT

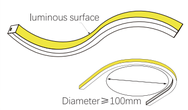


USER MANUAL

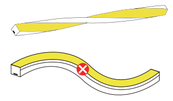
Notes:
1. Installation must be performed by a qualified electrician.
2. Do not power the unit during installation.
3. Always disconnect power before installation or removal.
4. Operating temperature: -20℃ to +45℃.
5. Suitable for both indoor and outdoor use. Do not submerge in water for long time usage.
6. After opening the package, please store any unused product in its original sealed packaging.
7. Do not use multiple power supplies for a single LED light, as this may cause instability.
8. Exceeding the recommended length may result in overload and uneven brightness.
9. To ensure long lifespan and stable performance, bend the neon light according to the user manual. Avoid excessively small bending diameters to prevent damage.

Experimental results indicate that formaldehyde and benzene-based hydrocarbons can cause yellowing of silicone materials. These substances may be released after interior renovations involving epoxy flooring, wall paint, wallpaper adhesive, various decorative materials, and new furniture. It is recommended to remove formaldehyde and benzene compounds or ensure adequate ventilation before installing the neon lights, in order to prevent silicone yellowing.

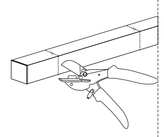
TOP BEND



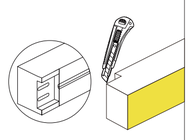
Correct bending direction and bending radius.



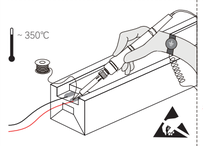
Do not twist or bending reversely.



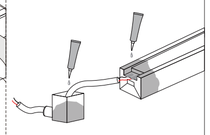
1.
Cut it as per cutting symbol by special scissors.



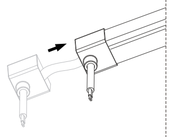
2.
Cut little bit to show the solder pads.



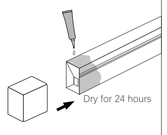
3.
Wear electrostatic ring, solder around 3~5 seconds, temperature is no more than 350℃.



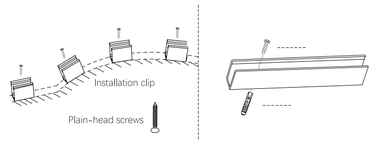
4.
Spread purpose-specific silicone glue on the tail end of the neon light, and insert the non-hole end cap securely.



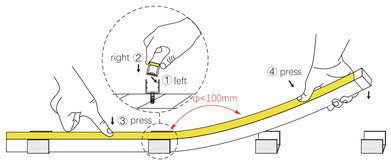
5.
Insert the end cap onto the neon light and let it rest undisturbed for 2 hours to ensure proper adhesion.



6.
Spread purpose-specific silicone glue on the tail end of the neon light, and insert the non-hole end cap securely.

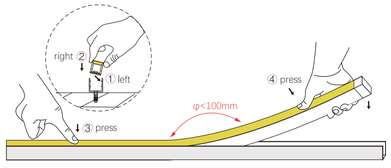


7.
Install using clips or aluminum profiles: fix the installation clips or profiles with screws, using 2-3 clips per meter. (Note: arrange clip-to-clip or profile-to-profile in a straight line; do not use round-head screws).



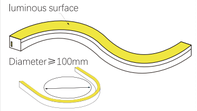
8.
Press the neon light into the installation clips. Up and down bending is allowed, but the angle of left and right bends should not exceed 15°.





9.
Press the neon light into the installation profile. Up and down bending is allowed, but the angle of left and right bends should not exceed 15°.

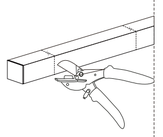
SIDE BEND



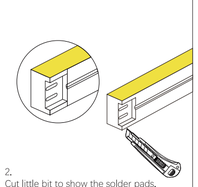
Correct bending direction and bending radius.



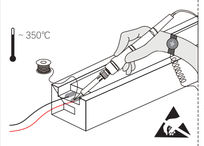
Do not twist or bending reversely.



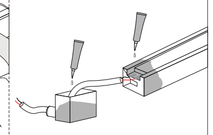
1.
Cut it as per cutting symbol by special scissors.



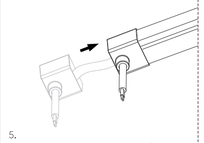
2.
Cut little bit to show the solder pads.



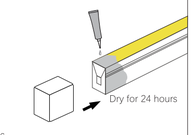
3.
Wear electrostatic ring, solder around 3~5 seconds, temperature is no more than 350℃.



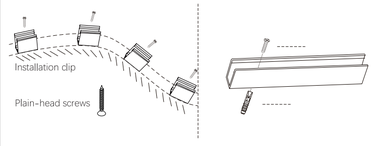
4.
Spread purpose-specific silicone glue on the tail end of the neon light, and insert the non-hole end cap securely.



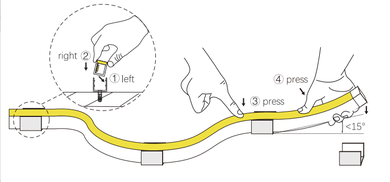
5.
Insert the end cap onto the neon light and let it rest undisturbed for 2 hours to ensure proper adhesion.



6.
Spread purpose-specific silicone glue on the tail end of the neon light, and insert the non-hole end cap securely.

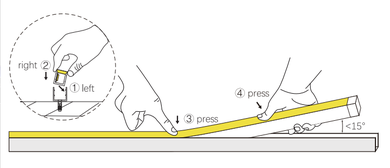


7.
Install using clips or aluminum profiles: fix the installation clips or profiles with screws, using 2-3 clips per meter. (Note: arrange clip-to-clip or profile-to-profile in a straight line; do not use round-head screws).



8.
Press the neon light into installation clips. Right and left bending is allowed, but the angle of up and down bends should not be higher than 15°.





9.
Press the neon light into installation profile.Right and left bending is allowed, but the angle of up and down bends should not be higher than 15°.

FAQ

Q: What is the warranty?
A: Under normal conditions and proper handling, there is a 5-year warranty.
IP65: L90B10, TA45℃, ≧50000 hours, 5-year warranty (Not suitable for immersion in water)
IP67: L90B10, TA45℃, ≧50000 hours, 5-year warranty (Not suitable for long-term immersion in water deeper than 0.5m)
IP68: L90B10, TA45℃, ≧50000 hours, 5-year warranty (Not suitable for use in water deeper than 2m)
We will repair or replace products covered under this warranty with components at our company's discretion if a quality defect is confirmed.

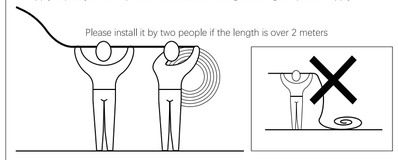
Q: What conditions will void the warranty?
A: 1. Misuse of the product by not following the instructions or user manual, resulting in product damage.
2. Disassembling the product, leading to damage.
3. Products that are severely damaged or deformed.

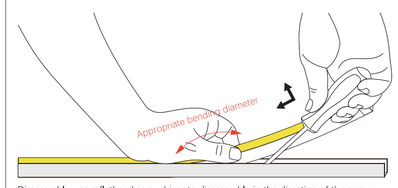
Q: Why is the entire neon light not working or not changing colors?
A: Double-check if the power is on, wiring is correct, there is a short circuit, or if the power fuse is blown. Correct any issues if found.

Q: Why is part of the neon light not working or not changing colors?
A: Double-check if part of the power supply is not working, or if there is a fault in part of the circuit of the neon light. Correct any issues if found.

Q: Why is the brightness of the neon light uneven or low (excluding DMX512 RGB addressable neon lights)?
A: Double-check for power overload. If there is an overload, change or add a power supply. Ensure the cables are not too thin; if they are, use thicker cables or move the power supply closer to the neon light. Make sure the supply voltage for every 5 meters of neon light is above 95% of the rated voltage. Check if there are too many series connections of neon lights; if so, adjust the connections to ensure adequate voltage supply.

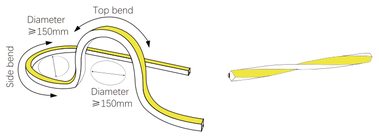
Q: Why is the neon light flickering (excluding DMX512 neon lights)?
A: Double-check for poor contacts or if the power of the neon lights exceeds the power supply capacity. If so, improve the contact or change to a higher-power supply.

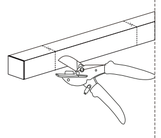




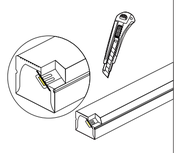
Disassembly: use a flathead screwdriver to disassemble in the direction of the arrow.

TOP & SIDE FREE-BEND

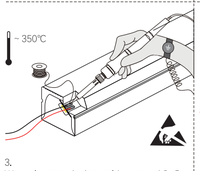




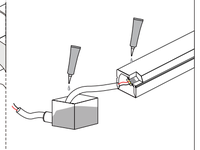
1.
Cut it as per cutting symbol by special scissors.



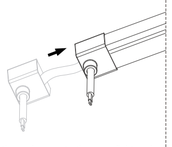
2.
Cut little bit to show the solder pads.



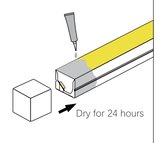
3.
Wear electrostatic ring, solder around 3~5 seconds, temperature is no more than 350℃.



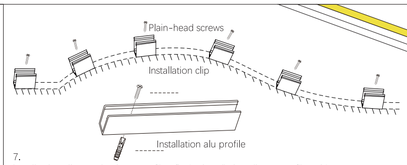
4.
Spread purpose-specific silicone glue on the tail end of the neon light, and insert the non-hole end cap securely.



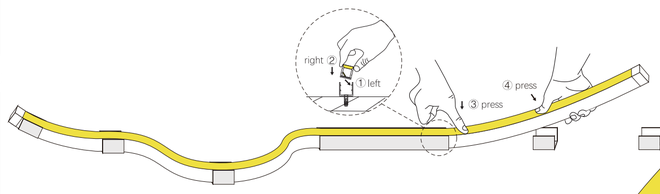
5.
Insert the end cap onto the neon light and let it rest undisturbed for 2 hours to ensure proper adhesion.



6.
Spread purpose-specific silicone glue on the tail end of the neon light, and insert the non-hole end cap securely.



7.
Install using clips or aluminum profiles: fix the installation clips or profiles with screws, using 2-3 clips per meter. (Note: arrange clip-to-clip or profile-to-profile in a straight line; do not use round-head screws).



8.
Press the neon light into the installation clips or profile.

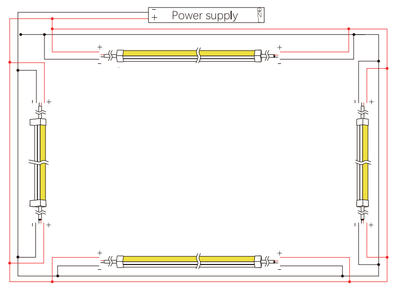
9.
Press the neon light into the installation stainless steel chain.

10. **Ceiling mounted**
Press the neon light into the installation stainless steel chain.

If the chain is loose, pinch it back to its original position at the loose part.

Diagram of power supply wiring

1. One power supply connects to several LED neon(constant voltage).



2. Several power supplies connect to several LED neon, connect to one side, L<5m, connect to both sides, L<10m.

Diagram of controller wiring

1. Homochromy dimming controller.

2. Dual-color tunable controller.

3. RGB controller.

4. RGBW controller.

5. Diagram of amplifier series wiring.

6. Diagram of amplifier parallel wiring.

备注：尺寸：594*210mm，105克铜版纸，5折6页，风琴折,彩印