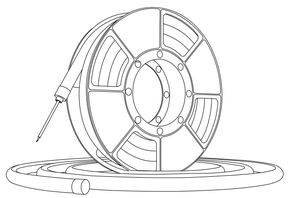
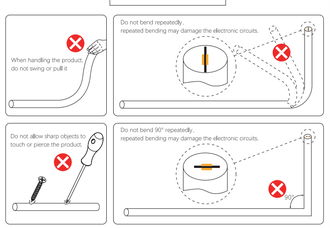
360° LED Neon Light



USER MANUAL



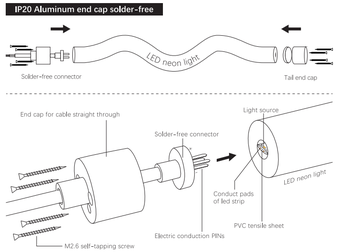
During transportation and use, please observe the above warnings.
Careful operation will provide you with a pleasant experience.

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.
10. Please use professional cutting tools when trimming.
11. Due to structural differences, products of different sizes/specifications may show slight color variations even under the same color temperature value. Please confirm before use.

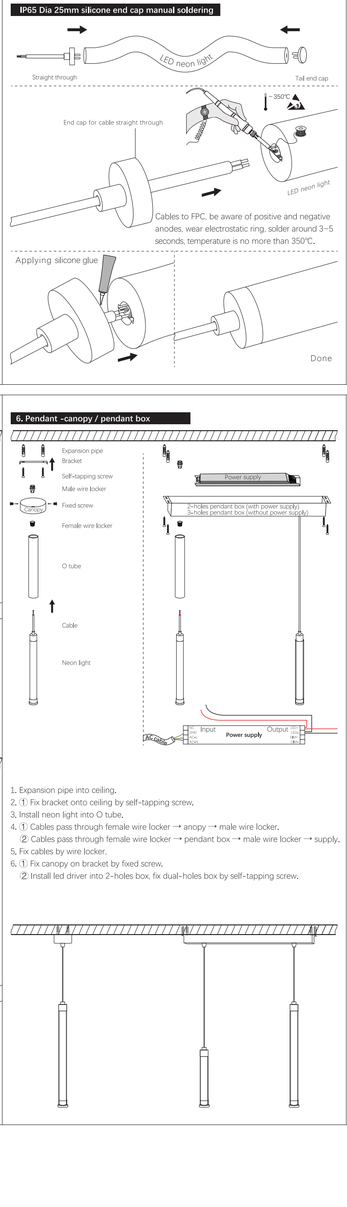
Experimental results indicate that formaldehyde and benzene-based hydrocarbons can cause yellowing of silicone materials. These substances may be released after interior renovations involving epoxy flooring, wall paint, wallpaper adhesive, various decorative materials, and new furniture. It is recommended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

IP20 Aluminum end cap solder-free

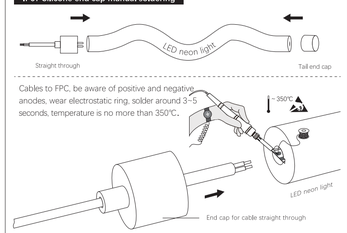


1. Split light source and PVC tensile sheet.
2. Insert electric conduction PINs to conduct with conduct pads of light source.
3. Mount solder-free connector by end cap for cable stright through,
4. Fix end cap to neon light by M2.6 self-tapping screw.

IP65 Dia 25mm silicone end cap manual soldering



IP67 Silicone end cap manual soldering



FAQ

Q: Warranty ?

A: Under normal conditions and proper handling, there is a 5-year warranty. IP68 Warranty 5-year, >50000 hours (L70B10) (Not suitable for use in water deeper than 2m), IP67 Warranty 5-year, >50000 hours (L70B10) (Not suitable for long-term immersion in water deeper than 0.5m), IP65 Warranty 5-year, >50000 hours (L70B10) (Not suitable for immersion in water), 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 would make warranty to be invalid ?

A: 1、Do not comply to instruction or user manual to misuse products to damage products,
2. Disassemble products to damage products.
3. The products are damaged or deformation badly.

Q: Why whole neon light does not light or no color changing ?

A: Double check if it is power-on, if wiring correctly, if there is short-circuit, if power fuse burned etc, correct it if finding anything wrong.

Q: Why part of neon lights do not light or no color changing ?

A: Double check if part of switch power supply without power, if part of circuit of neon light with error, correct it if finding anything wrong.

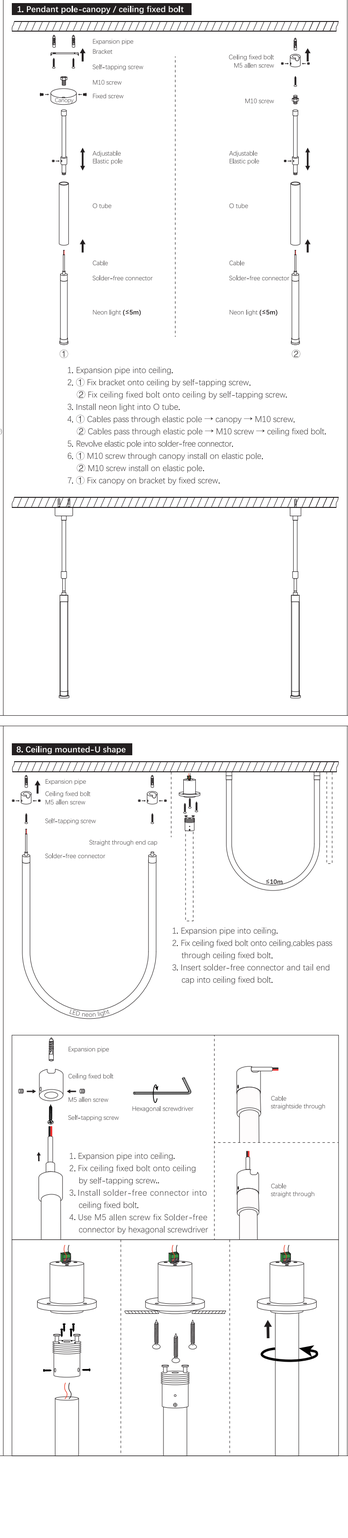
Q: Why the brightness of neon lights is difference or low brightness (not including DMX512 RGB addressable neon light) ?

A: Double check if there is power overload, if yes, change or add power supply. Check if the cables are too thin, if yes, change bigger cables or adjust the position of power supply to close to neon light, make sure the supply voltage for each 5 meters of neon light is higher than 95% of rated voltage. Check if there are too many series connections of neon lights, if yes, change series connections and make sure there is enough voltage supply to neon lights.

Q: Why neon lights are twinkle(not including DMX512 RGB addressable neon light) ?

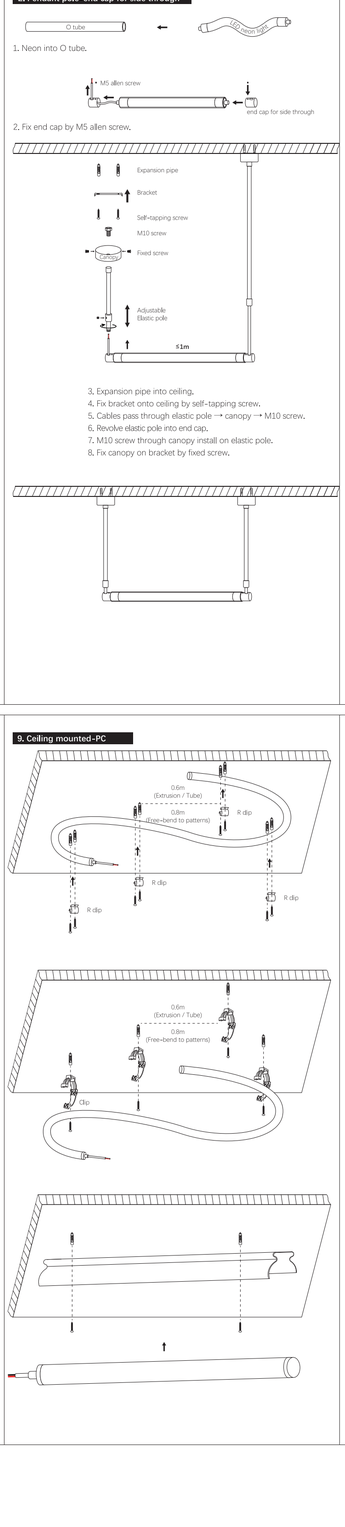
A: Double check if there is any poor contact, if the power of neon lights is higher than power supply, if yes, improve contact or change power supply with higher power.

1. Pendant pole-canopy / ceiling fixed bolt



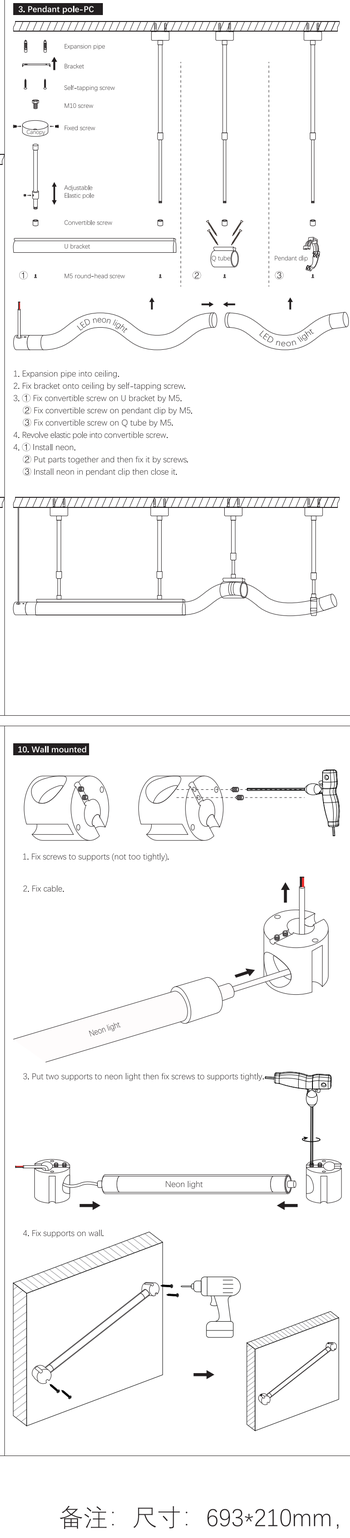
1. Expansion pipe into ceiling.
2. ① Fix bracket onto ceiling by self-tapping screw.
   ② Fix ceiling fixed bolt onto ceiling by self-tapping screw.
3. Install neon light into O tube.
4. ① Cables pass through elastic pole → canopy → M10 screw.
   ② Cables pass through elastic pole → M10 screw → ceiling fixed bolt.
5. Revolve elastic pole into solder-free connector.
6. ① M10 screw through canopy install on elastic pole.
   ② M10 screw install on elastic pole.
7. ① Fix canopy on bracket by fixed screw.

2. Pendant pole-end cap for side through



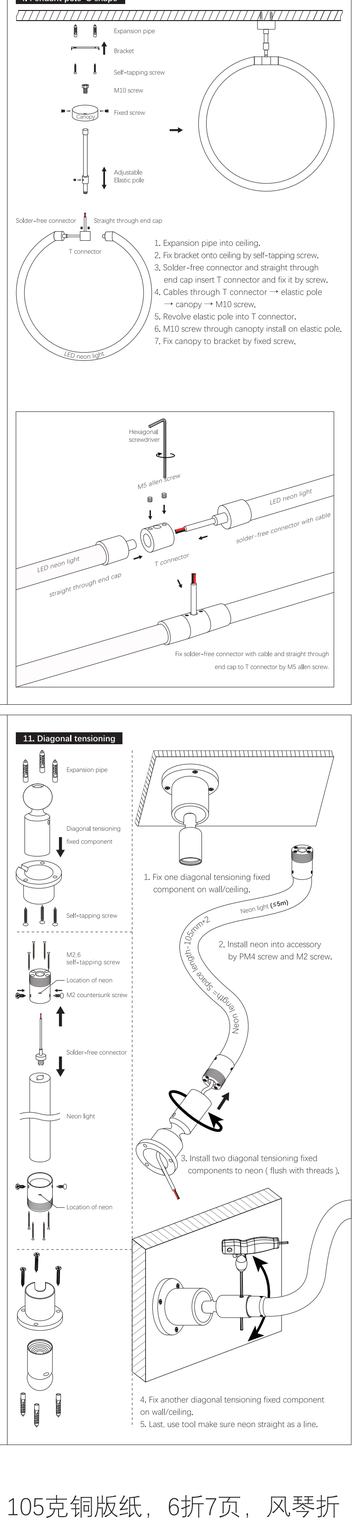
1. Neon into O tube.
2. Fix end cap by M5 allen screw.
3. Expansion pipe into ceiling.
4. Fix bracket onto ceiling by self-tapping screw.
5. Cables pass through elastic pole → canopy → M10 screw.
6. Revolve elastic pole into end cap.
7. M10 screw through canopy install on elastic pole.
8. Fix canopy on bracket by fixed screw.

3. Pendant pole-PC



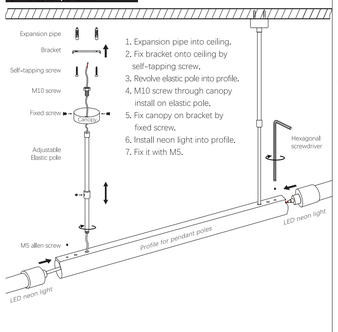
1. Expansion pipe into ceiling.
2. Fix bracket onto ceiling by self-tapping screw.
3. ① Fix convertible screw on U bracket by M5.
   ② Fix convertible screw on pendant clip by M5.
   ③ Fix convertible screw on Q tube by M5.
4. Revolve elastic pole into convertible screw.
4. ① Install neon,
   ② Put parts together and then fix it by screws.
   ③ Install neon in pendant clip then close it.

4. Pendant pole-O shape

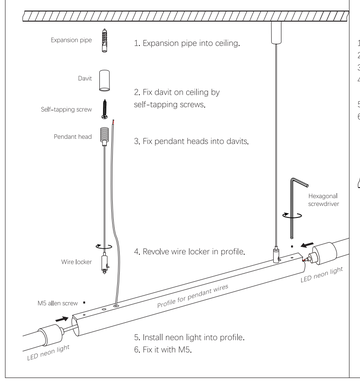


1. Expansion pipe into ceiling.
2. Fix bracket onto ceiling by self-tapping screw.
3. Solder-free connector and straight through end cap insert T connector and fix it by screw.
4. Cables through T connector → elastic pole → canopy → M10 screw.
5. Revolve elastic pole into T connector.
6. M10 screw through canopy install on elastic pole.
7. Fix canopy to bracket by fixed screw.

5. Profile for pendant



1. Expansion pipe into ceiling.
2. Fix bracket onto ceiling by self-tapping screw.
3. Revolve elastic pole into profile.
4. M10 screw through canopy install on elastic pole.
5. Fix canopy on bracket by fixed screw.
6. Install neon light into profile.
7. Fix it with M5.

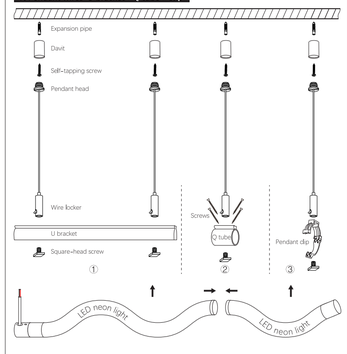


1. Expansion pipe into ceiling.
2. Fix davit on ceiling by self-tapping screws.
3. Fix pendant heads into davits.
4. Revolve wire locker in profile.
5. Install neon light into profile.
6. Fix it with M5.

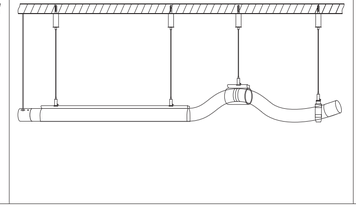
6. Pendant -canopy / pendant box

1. Expansion pipe into ceiling.
2. ① Fix bracket onto ceiling by self-tapping screw.
3. Install neon light into O tube.
4. ① Cables pass through female wire locker → anopy → male wire locker.
   ② Cables pass through female wire locker → pendant box → male wire locker → supply.
5. Fix cables by wire locker.
6. ① Fix canopy on bracket by fixed screw.
   ② Install led driver into 2-holes box, fix dual-holes box by self-tapping screw.

7. Pendant wires-U bracket / Q tube / Clip



1. Expansion pipe into ceiling.
2. Fix davit by self-tapping screw. install pendant head into davit.
3. ① Fix U bracket to wire locker by square-head screw.
   ② Fix Q tube to wire locker by square-head screw.
   ③ Fix pendant clip to wire locker by square-head screw.
4. ① Install neon,
   ② Put parts together and then fix it by screws.
   ③ Install neon in pendant clip then close it.



8. Ceiling mounted-U shape

1. Expansion pipe into ceiling.
2. Fix ceiling fixed bolt onto ceiling,cables pass through ceiling fixed bolt.
3. Insert solder-free connector and tail end cap into ceiling fixed bolt.

1. Expansion pipe into ceiling.
2. Fix ceiling fixed bolt onto ceiling by self-tapping screw..
3. Install solder-free connector into ceiling fixed bolt.
4. Use M5 allen screw fix Solder-free connector by hexagonal screwdriver

9. Ceiling mounted-PC

10. Wall mounted

1. Fix screws to supports (not too tightly).
2. Fix cable.
3. Put two supports to neon light then fix screws to supports tightly.
4. Fix supports on wall.

11. Diagonal tensioning

1. Fix one diagonal tensioning fixed component on wall/ceiling.
2. Install neon into accessory by PM4 screw and M2 screw.
3. Install two diagonal tensioning fixed components to neon (flush with threads).
4. Fix another diagonal tensioning fixed component on wall/ceiling.
5. Last, use tool make sure neon straight as a line.

备注：尺寸：693*210mm，105克铜版纸，6折7页，风琴折