

GL LED US LIGHTING

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INSTALLATION MANUAL L8070/LED Linear Light

IMPORTANT SAFETY INSTRUCTION

Please read this guide prior to installation.
Installation should be carried out by a qualified electrician.
Always turn OFF the main power before starting your installation.

During installation, basic safety precautions should always be followed, including the following listed.

1. Do not install the lighting system in a wet location.
2. Ensure the appropriate connectors match the luminaire fixture
3. Do not install any part of the luminaires at a location where is less than 5 feet above the floor.
4. Do not install any luminaire assembly within 5 inches of any window treatments, i.e., curtains, blinds or any similar combustible materials.
5. Do not attempt to energize anything other than the luminaire fixtures.
6. Do not attempt to connect to power tools, extension cords, appliances, or the like, to the track in order to reduce a risk of fire or electric shock.
7. Maintenance of the luminaires should be performed by people who are familiar with technical features of the luminaires and understand potential hazards involved. Regular fixture maintenance programs are recommended.
8. Do not use the luminaire with a power that exceeds nominal supply voltage or amperage ratings.
9. Turn OFF the power at main fuse or circuit breaker box prior to any installation or maintenance.

10. Wear rubber soled shoes and work on a sturdy wooden or non-conductive ladder.
11. The lighting product must be mounted in locations and at heights in compliance with both the National Electrical Code and local building codes. Violation of the codes may cause unsafe conditions.
12. To avoid hazards to children, take accountability for all parts and dispose all packing materials properly.
13. It may be necessary to clean the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to the user. Refractor / lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in the above manner, and replace damaged gaskets as necessary.
14. Call the Technical Support department about any installation questions.
15. Do not install a damaged product. This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
16. These instructions are neither to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation. Should further information be desired or particular problems arise that are not covered sufficiently in the manual, please contact the Technical Team.



CAUTION

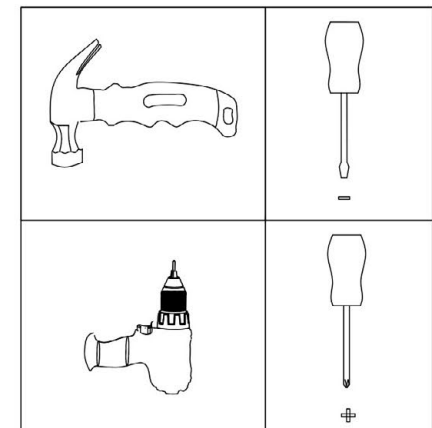
This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the most recent edition of the National Electrical Code (NEC) and all applicable state and local building codes. The final installation must be approved by an appropriate, qualified electrical / building inspector(s). Improper installation may result in a fire or electrical hazard. Ensure the electrical power to the circuit has been disconnected before installing the electrical system.



WARNING

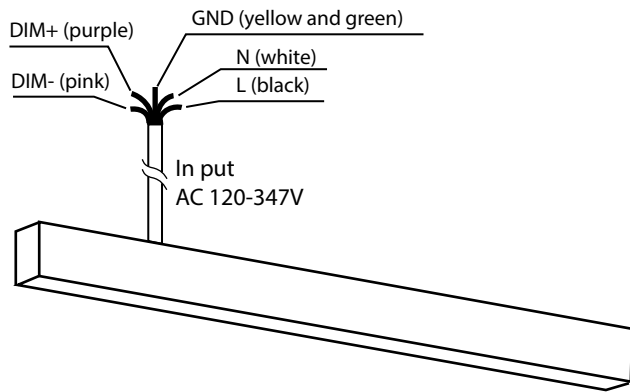
- Risk of fire. Most dwellings built before 1985 have supply wires rated at 60°C.
- Consult a qualified electrician before installation.
- Properly ground electrical enclosure.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Use only UL approved wire input/output connectors. Minimum wire size allowed for the fixture is 18 AWG, or 14 AWG if there are any continuous runs.
- If the fixtures are connected in a continuous run, do not exceed allowable number of fixtures in series/power in continuous runs.
- Inrush currents must be taken into account by the electricians to account for proper circuit design.

TOOLS



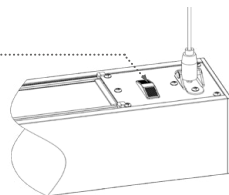
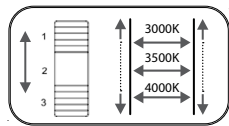
Electrical Connection

Turn off the main power prior to any connections. Connect both DIM+ (purple) and DIM- (pink) to a dimmer. Connect L (black), N (white) and GND (yellow and green) to an AC input.



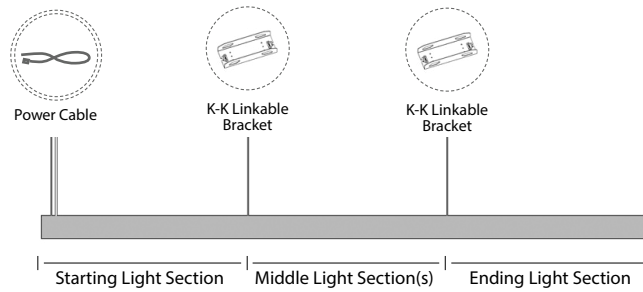
CCT Selectable

Slide Switch to Change CCT.



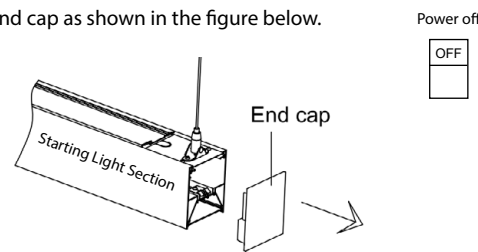
2

Connection Method

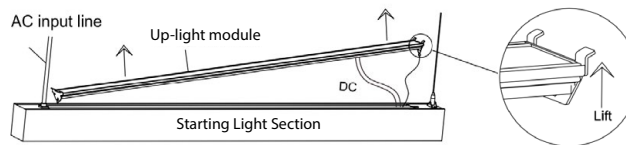


For the Starting Light Section:

Remove the end cap as shown in the figure below.

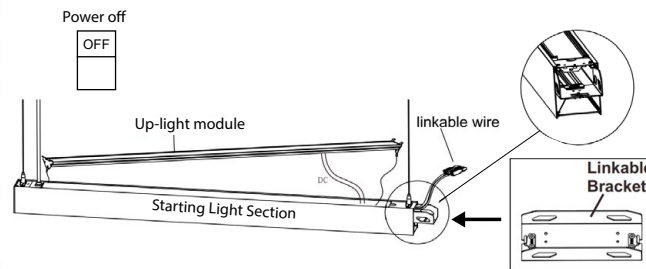


Lift the up-light module (top cover) as shown

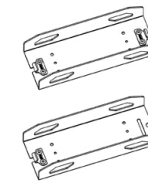


1*Take out the inside linkable wire plug

2* Insert the linkable bracket into the starting light section; connect it with the buckle inside and confirm that it is fastened.



Note: we have 2 types of Linkable Bracket.



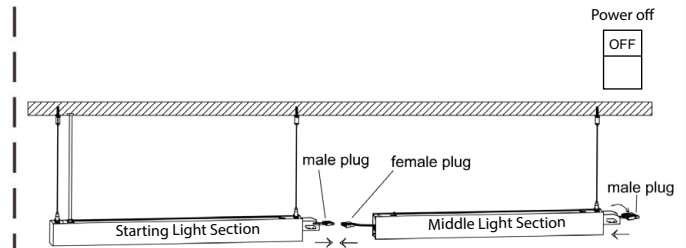
K-K Linkable Bracket connects K-side of two light sections.

K-L Linkable Bracket connects K-side of one light section and L-side of another light section. ONLY L-shaped linear light has an L-side. All other linear lights have only K-sides.

For the intermediate light section(s):

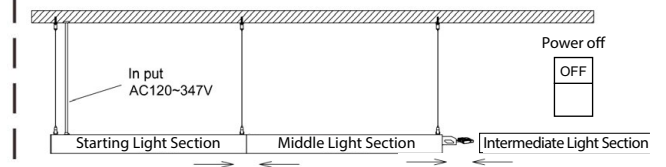
Lift the up-light module (top cover) and take out the linkable wire inside.

- 1* Insert the exposed end of the linkable bracket in the starting section to the intermediate section.
- 2* Connect the male plug and female plug of two light sections. Make sure the plugs are connected tightly and there is no gap.

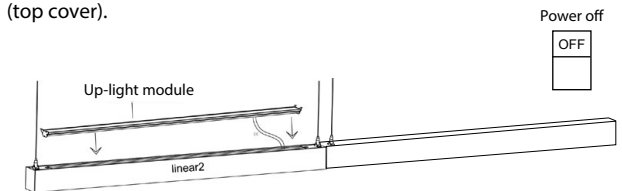


Connect the next light section in the same way

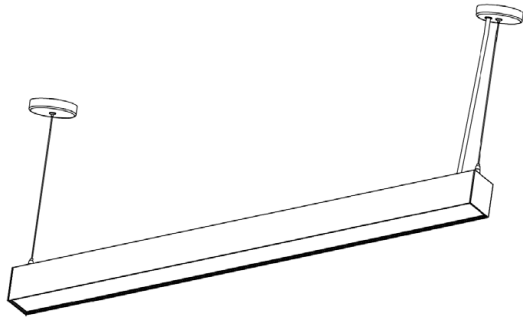
NOTE: Each line must have a POWER LEAD to start. For continuous run linear lights, the maximum number of light sections allowed per line with one power cable input is 7. Additional power cable inputs are needed if more than 7 pcs of light fixture are connected.



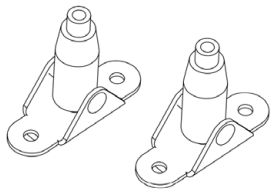
Double check all the power and linkable bracket to make sure they are all connected well, then press down the up-light module (top cover).



Canopy Suspension Installation



Installation Kits



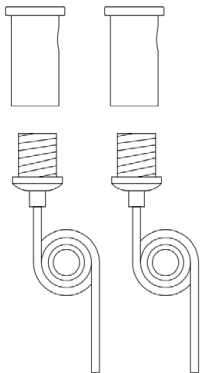
Steel wire rope pedestal 2pcs



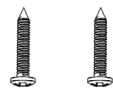
PM4*8 Screw 4pcs



Plastic Anchor 2pcs

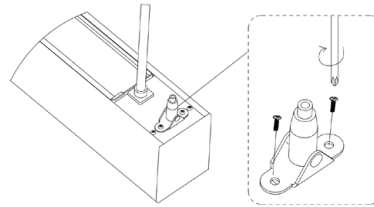


Steel wire rope 2pcs



PA4*30 Screw 2pcs

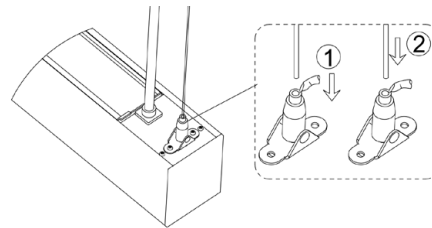
Lock the steel wire rope pedestal to the lamp's mounting hole, with PM4 *8 screws.



Power off



Press down the inner layer of the steel wire rope pedestal and let the wire rope pass through the hole.

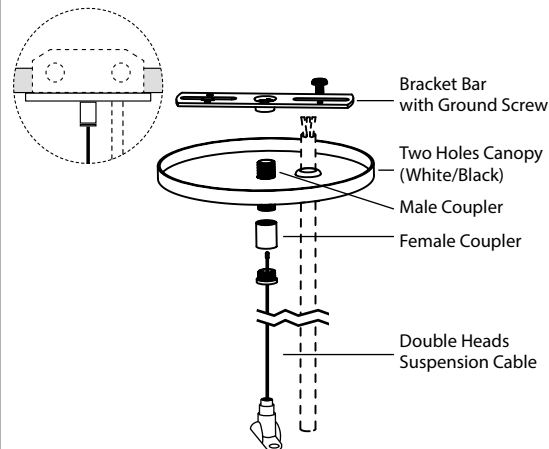


Power off



Each linear light suspension kit is available separately. One linear light needs at least 2 suspension kits (with suspension cable) combo for installation. Feel free to make your own combo.

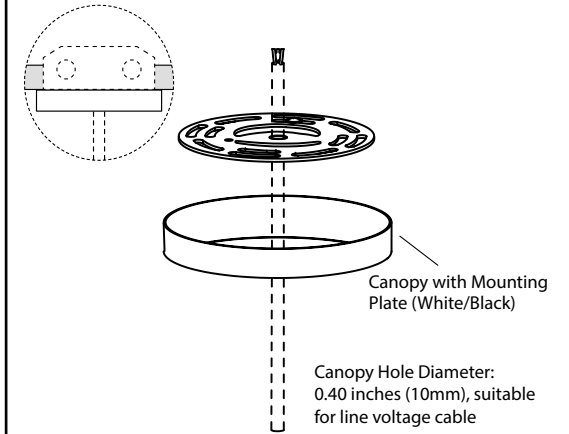
A. Power Feed Canopy Kit - Type A3



White: SCK-PF-H2-A3-W

Black: SCK-PF-H2-A3-B

B. Power Feed Canopy Kit - Type B3

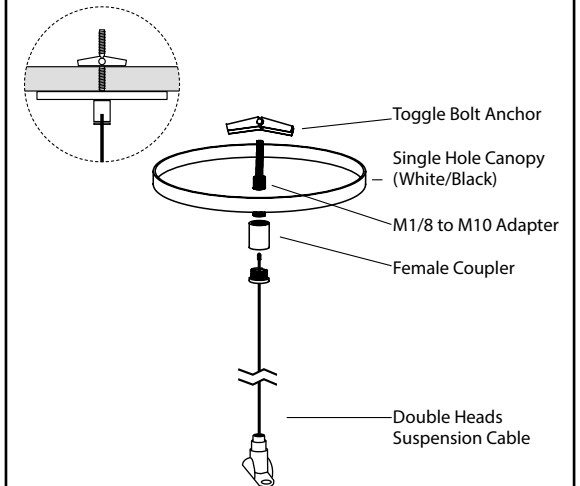


Type B is used for power cable only, not for suspending light fixtures. Extra kits with suspension cable are needed for installation.

White: SCK-PF-H1-B2-W

Black: SCK-PF-H1-B2-B

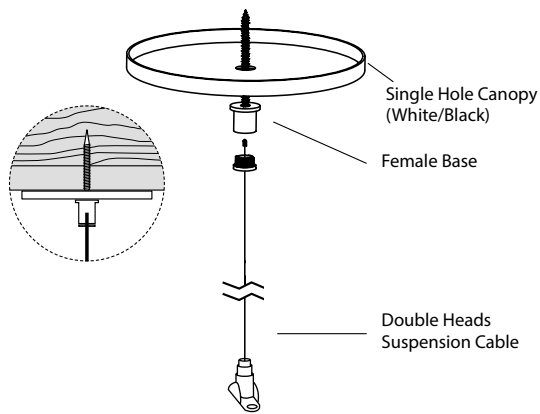
C. Non-Power Feed Canopy Kit - Type C3



White: SCK-NPF-H1-C3-W

Black: SCK-NPF-H1-C3-B

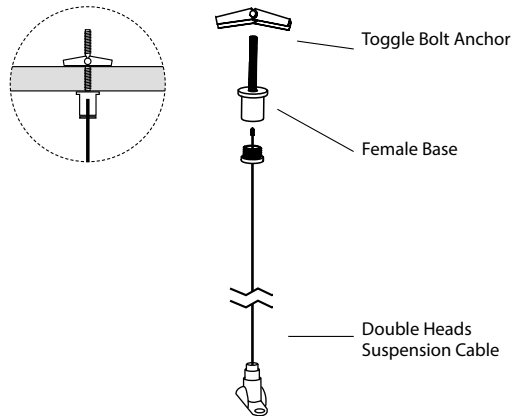
D. Non-Power Feed Canopy Kit - Type D3



*Wood screw is not included

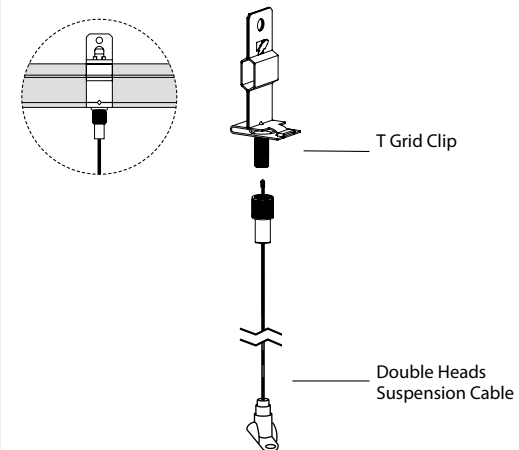
White: SCK-NPF-H1-D3-W Black: SCK-NPF-H1-D3-B

F. Non-Power Feed Kit Type F3



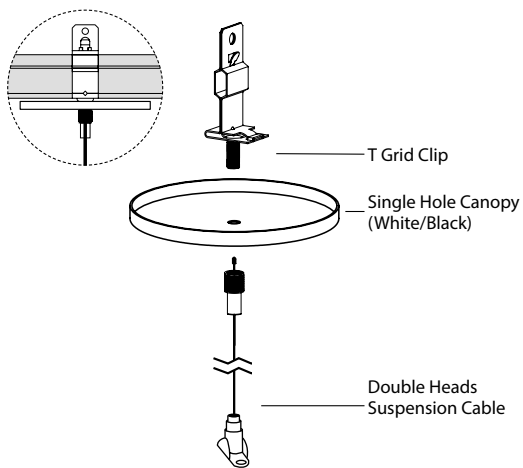
SCK-NPF-H1-F3

H. Non-Power Feed Kit Type H3



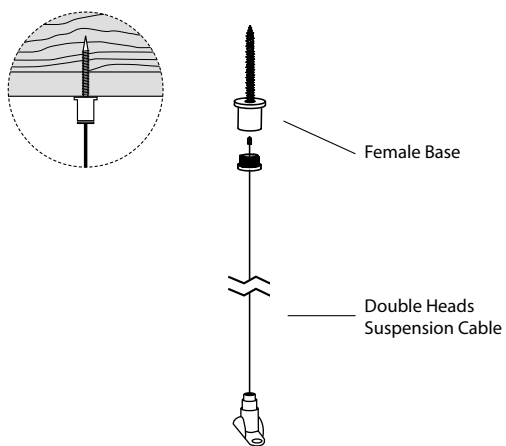
SCK-NPF-H1-H3

E. Non-Power Feed Canopy Kit - Type E3



White: SCK-NPF-H1-E3-W Black: SCK-NPF-H1-E3-B

G. Non-Power Feed Kit Type G3



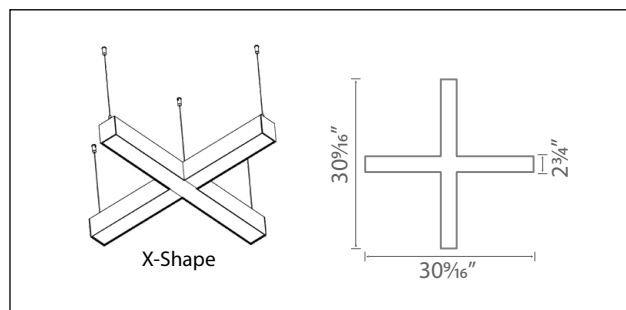
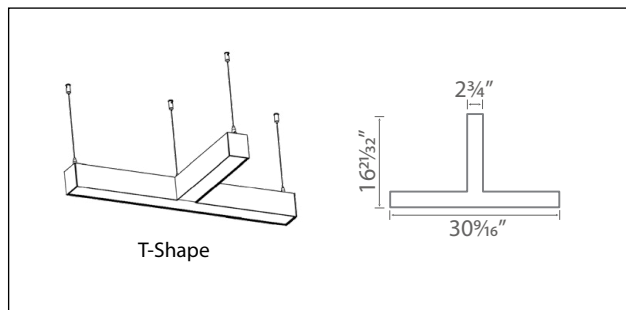
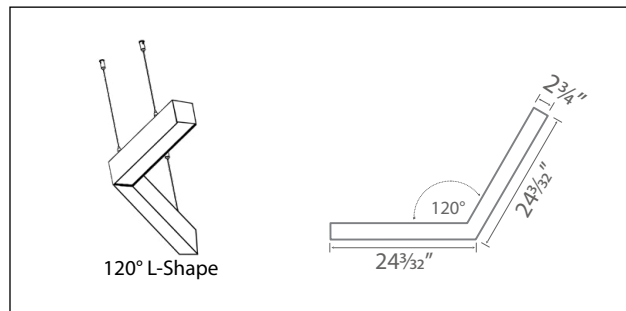
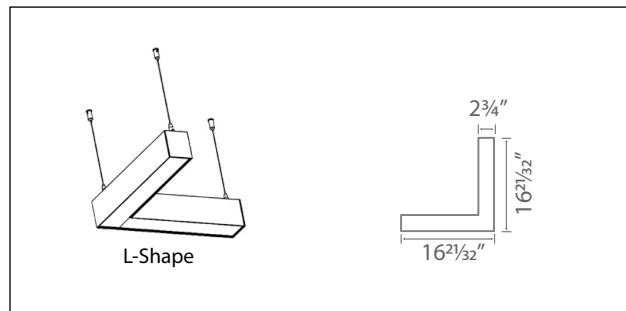
*Wood screw is not included

SCK-NPF-H1-G3

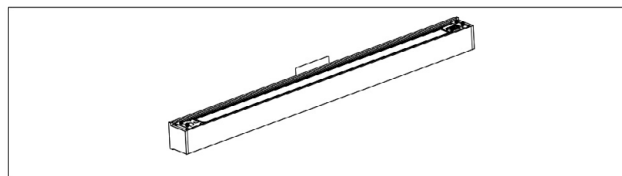


Straight 4ft / 8ft

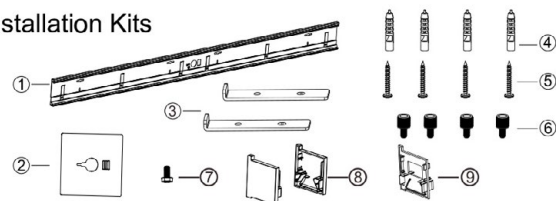




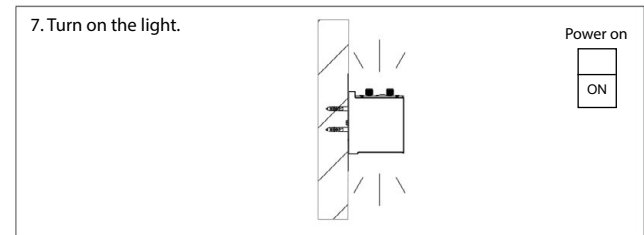
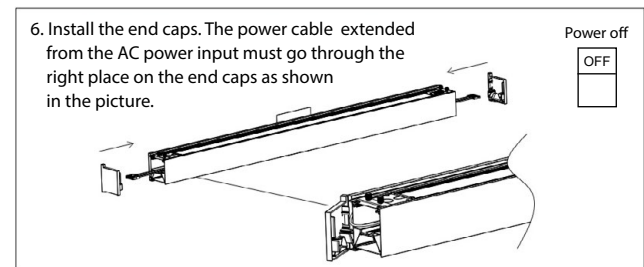
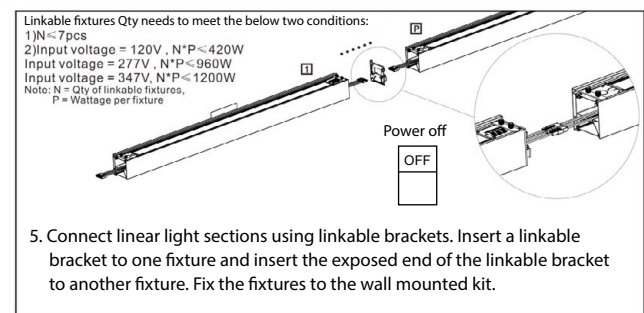
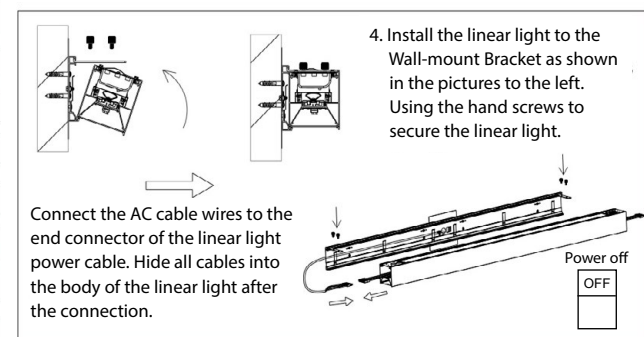
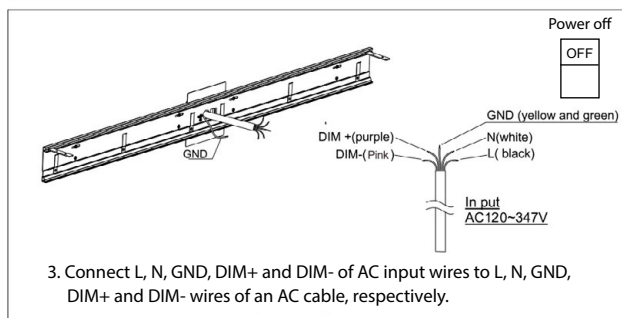
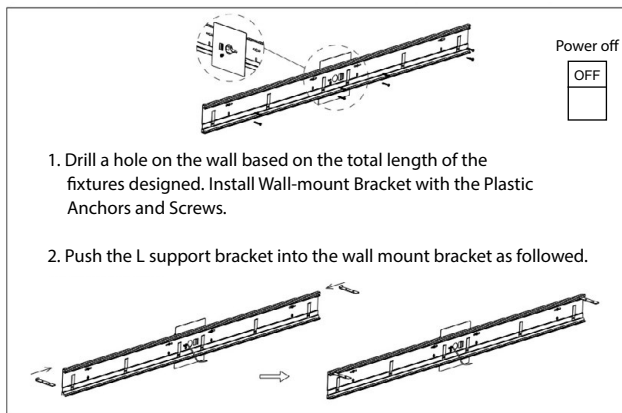
Wall Mount



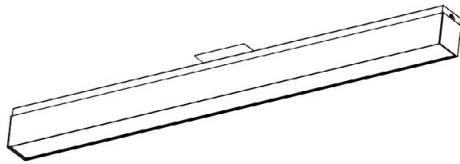
Installation Kits



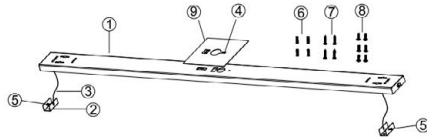
1	C Wall-mount Bracket	1PC
2	Square Decorative	1PC
3	L support	2PCS
4	Plastic Anchor	4PCS
5	Cross head tapping	4PCS
6	Hand screw	4PCS
7	Screw	1PC
8	End cap	2PCS
9	Linkable bracket	1PC



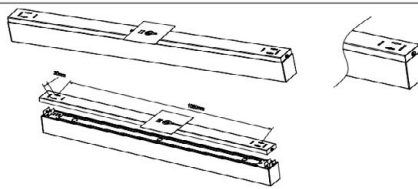
Surface Mount



Installation Kits

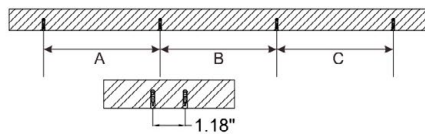


1	Surface Mount Bracket	1199*69*20mm
2	Surface Mount Bracket 2	43*22.5*18mm
3	Safety cable	L=150mm
4	Round head pull nail	4*5mm
5	Countersunk head screw	PM4*10
6	Cross head tapping screw	PA4*35M
7	Plastic Anchor	4*28mm
8	Round head machine screws	PM4*8mm
9	Decorative plate	140*140mm T=0.6mm



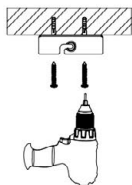
Power off
OFF

1. Drill a hole on the ceiling based on the total length of the fixture. Fix the plastic anchor in the hole.



NO.	Size	A(in)	B(in)	C(in)
1	4ft	42.520	/	/
2	8ft	37.795	14.173	37.795

2. Fix the surface mount bracket on the ceiling with PA4*30 screw.

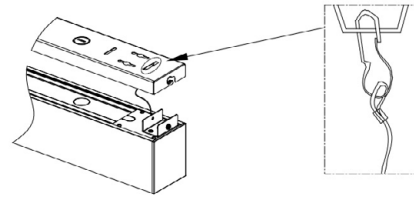


Power off
OFF

6

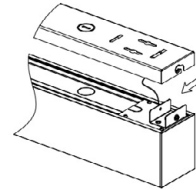
3. Hook the safety cable of the fixture on the slot of the surface mount bracket.

OFF



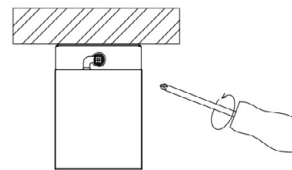
4. Wire the fixture with the supply power; clear up the wires and safety cables; clip the fixture into the slot of the surface mount plate on two sides.

Power off
OFF



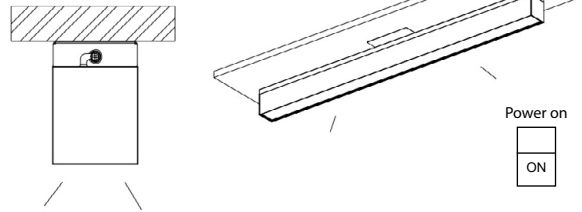
5. Fix screws on two sides of the fixture.

Power off
OFF



6. Turn on the light.

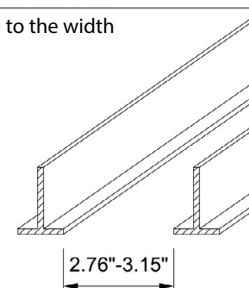
Power on
ON



T-BAR Recessed

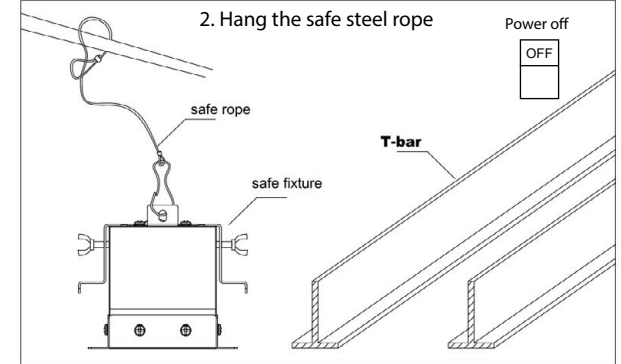
1. Adjust the position of T-bar according to the width of the fixture.

Power off
OFF

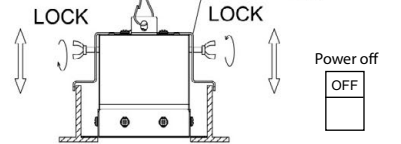


2. Hang the safe steel rope

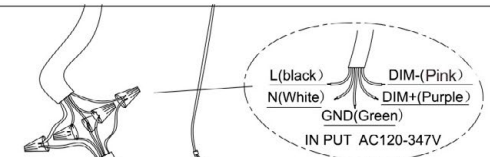
Power off
OFF



3. Adjust the safe cable according to the T-BAR, Lock screws tightly.



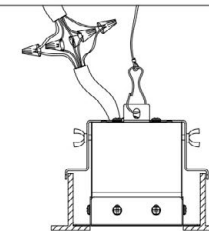
Power off
OFF



L(black) DIM-(Pink)
N(White) DIM+(Purple)
GND(Green)
IN PUT AC120-347V

4. Wiring

Power off
OFF

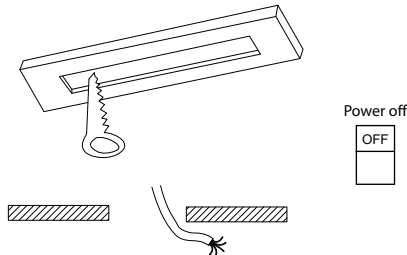


Power on
ON

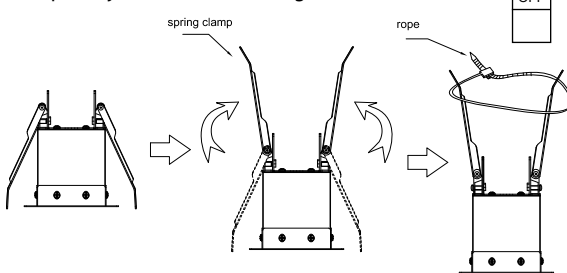
5. Make sure the wire connection is correct. Turn on the light.

Dry Ceiling Wall Recessed-A

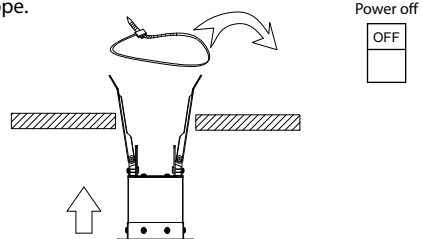
1. Open a hole based on the size of the light fixture, and pull out the AC wires.



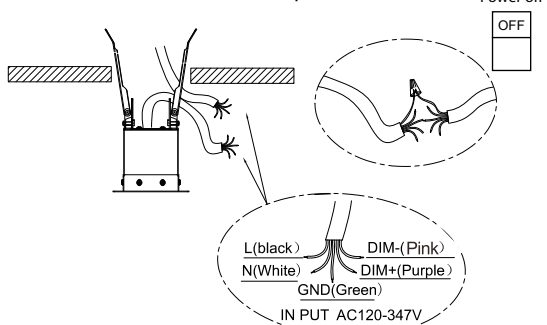
2. Pull up the spring clamps and fix the both with a rope (Adjust the size according to the hole size).



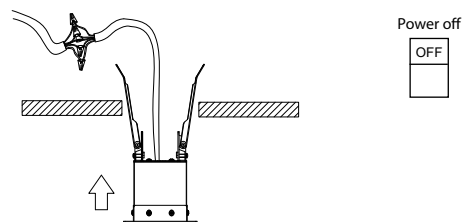
3. Remove the rope.



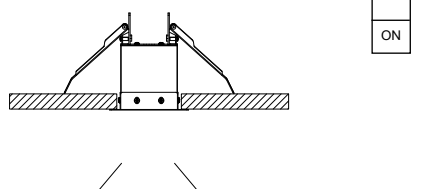
4. Connect wires as indicated in the pictures below.



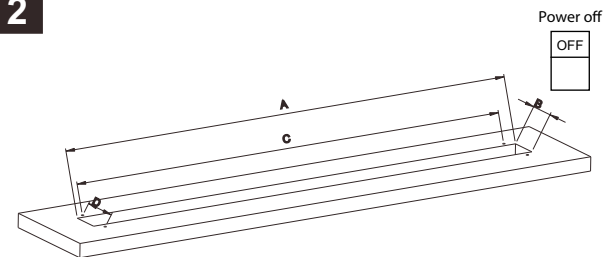
5. Slide the light fixture into the hole after the wiring connection.



6. Turn on the light.

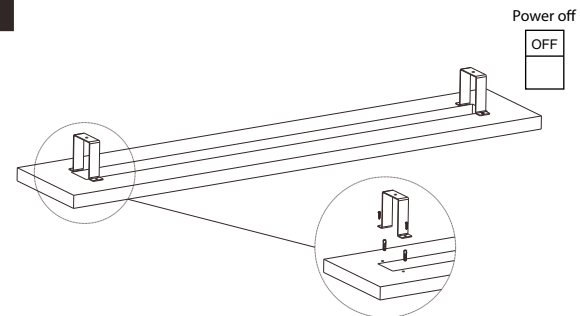


2



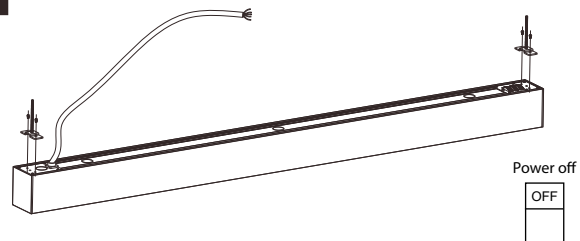
Drill holes according to the size of the lamp

3



1. Rubber stopper embedded in the profile
2. Fix the T-BAR bracket with PA4*30 screws

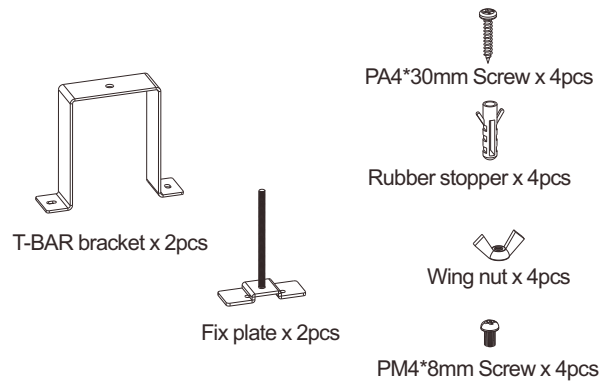
4



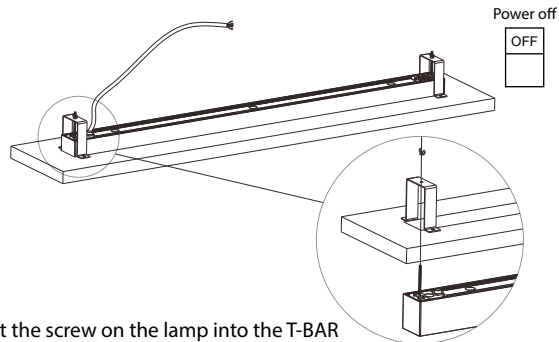
Fix the fixing Plate on the lamp with PM4*8 screws

Dry Ceiling Wall Recessed-B

1

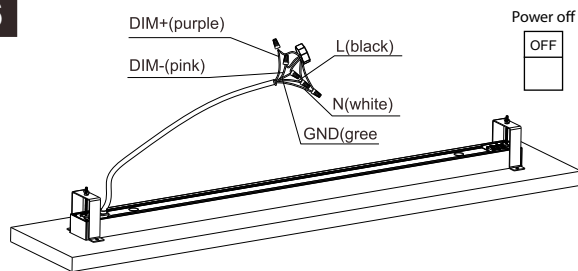


5



Insert the screw on the lamp into the T-BAR bracket and fix the screw with M5 wing nut.

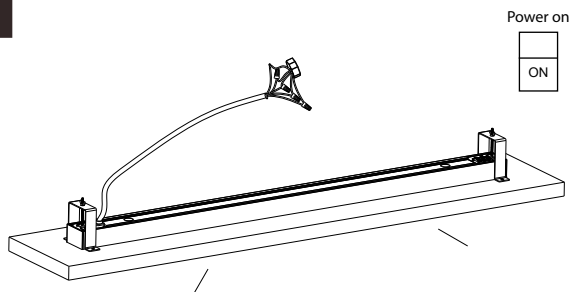
6



The dimming positive pole of the lamp is connected to the positive pole of the dimmer, and the dimming negative pole of the lamp is connected to the negative pole of the dimmer.

The L pole of the lamp is connected to the L pole of the mains, the N pole of the lamp is connected to the N pole of the mains, and the ground wire of the lamp is also connected to the ground wire of the mains.

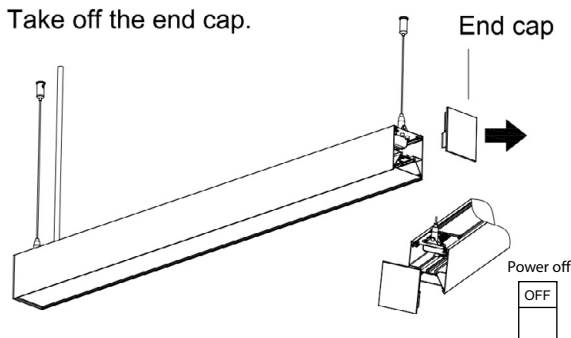
7



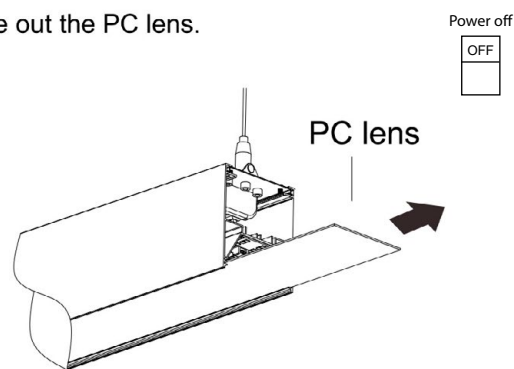
The installation is complete and lights up.

Change PC Lens with Parabolic Lens

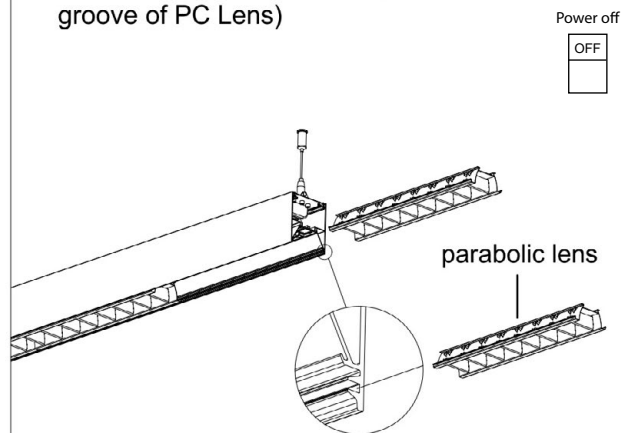
1. Take off the end cap.



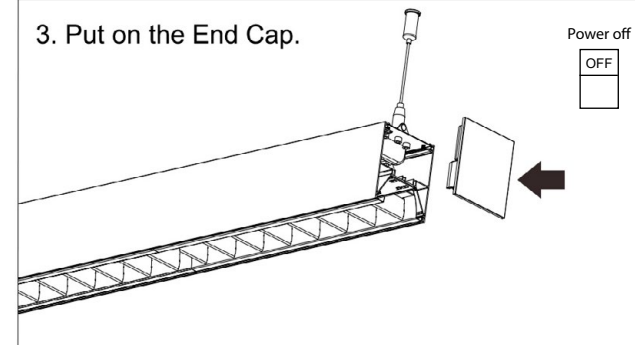
2. Take out the PC lens.



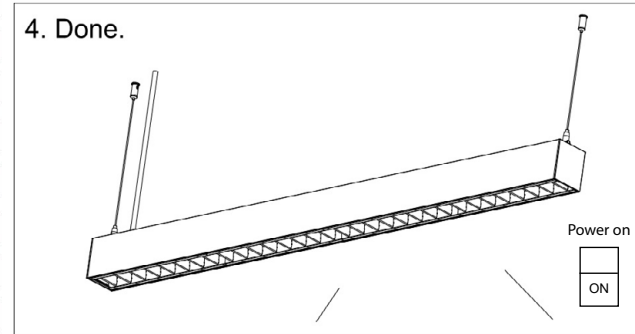
3. Mount the parabolic lens on (by the same groove of PC Lens)



3. Put on the End Cap.



4. Done.



Application Ideas

