

INSTALLATION MANUAL

GEN III LED Linear Light

IMPORTANT SAFETY INSTRUCTION

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

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 luminaire less than 5 feet above the floor.
4. Do not install any luminaire assembly closer than 5 inches from any window treatments, i.e., curtain, blinds or any similar combustible type material.
5. Do not attempt to energize anything other than the luminaire fixtures.
6. To reduce the risk of fire and electric shock, do not attempt to connect to power tools, extension cords, appliances, or the like, to the track.
7. maintenance of the luminaires should be performed by person(s) familiar with the luminaires construction and any hazards involved. regular fixture maintenance programs are recommended.
8. Do not exceed the nominal supply voltage or amperage ratings.
9. Turn the power OFF at the fuse or circuit breaker box before doing any installation or maintenance activities.
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 the National Electrical Code and with local building codes. Installing contrary to instruction 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 above manner, replacing 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 do no purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation or maintenance. Should further information be desired or particular problems arise, not covered sufficiently for the purchaser's or owner's purposes, please contact the Technical Team.



CAUTION

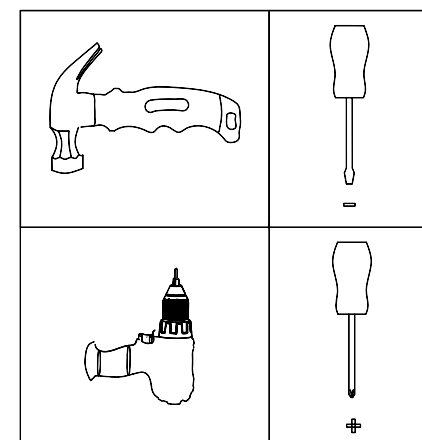
This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition of the National Electrical Code (NEC) and all applicable state and local building codes. The final installation must be approved by the appropriate, qualified electrical / 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.



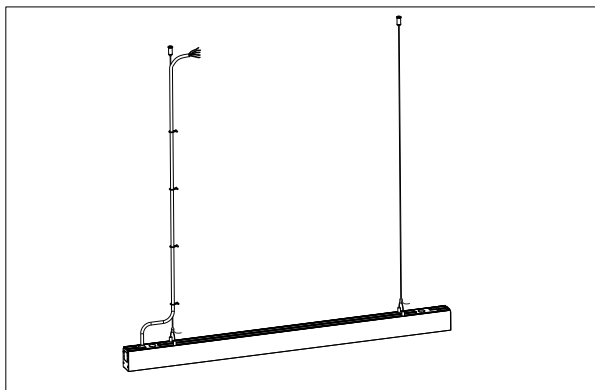
WARNING

- Risk of fire. Most dwellings built before 1985 have supply wire 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 connections. Minimum size 18 AWG or 14AWG 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 in account by the electricians to account for proper circuit design.

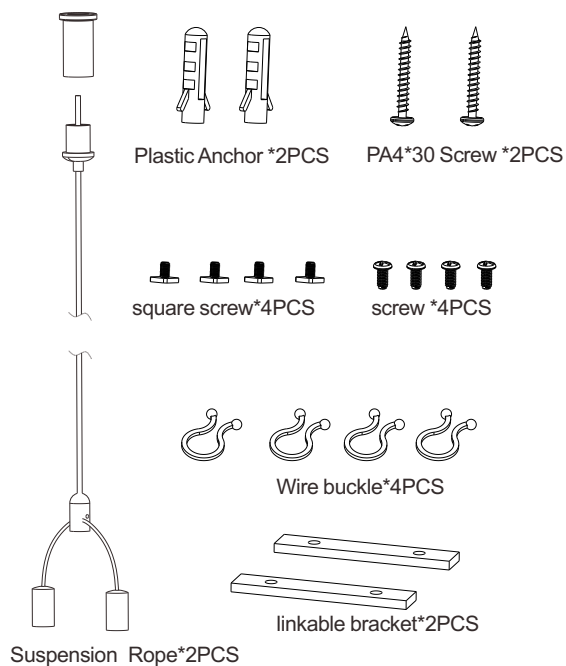
TOOL



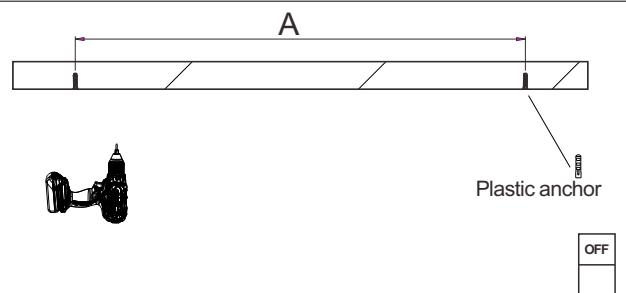
A1. Rope Suspension Installation



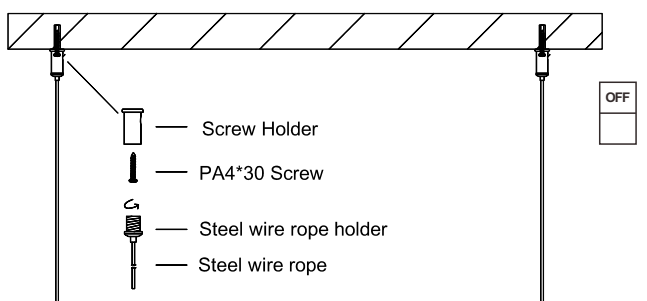
Installation Kits



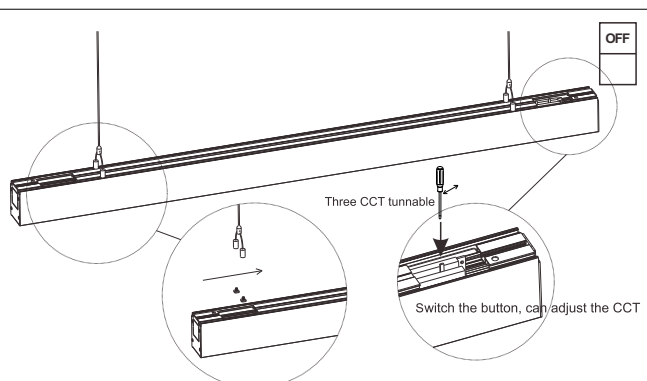
2



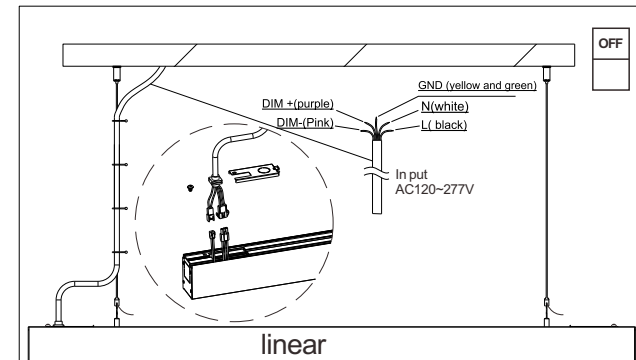
1. Drill a hole of 1/4inch in diameter at the location required for installation. Then install the plastic anchor to the hole with hammer.



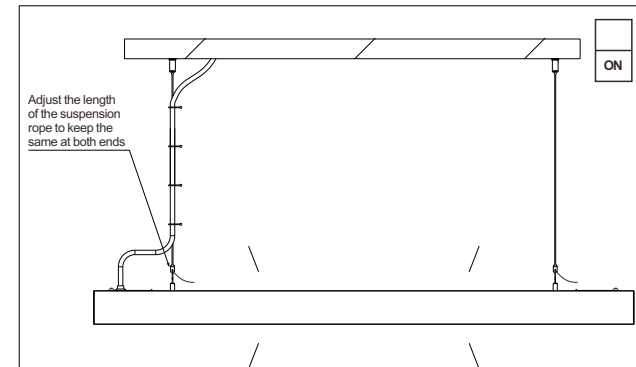
2. Insert PA4*30 Screws into the screw holder and then drill into the plastic anchor.



3. The square screw slides into the light fixture, and the suspension rope fixed with the square screw

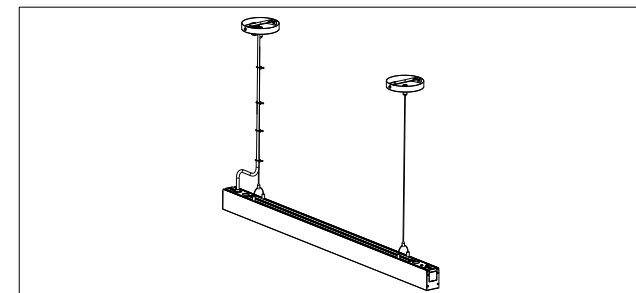


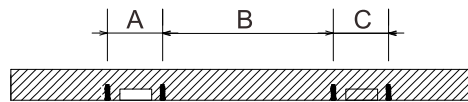
4. Connect L, N, GND, DIM+ and DIM- of AC input wire to L, N, GND, DIM+ and DIM- respectively of AC terminal.



5. Press the to pend of the steel wire rope pedestal to adjust the steel wire rope, and then finish the installation.

A2. Canopy Suspension Installation

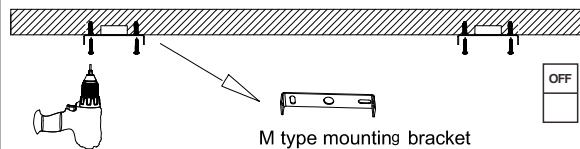




OFF

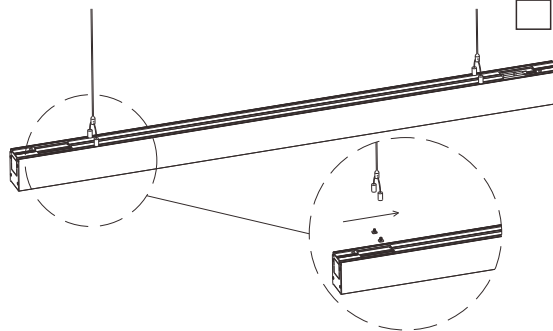
NO.	Size	A(MM)	B(MM)	C(MM)
1	4ft	85	800	85
2	8ft	85	1930	85

1. Drill a hole of 1/4inch in diameter as shown in the figure at the location required for installation. Then hammer the plastic anchor into the hole.



OFF

2. Insert PA4*30 screws into the M type mounting bracket and then drill into the plastic anchor.



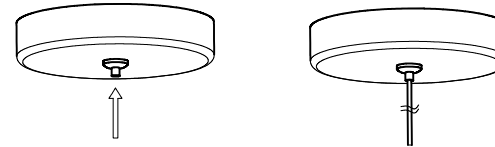
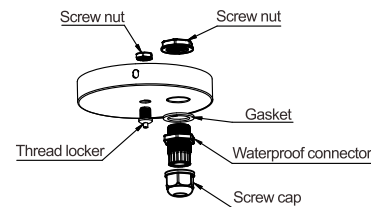
OFF

3. The square screw slides into the light fixture, and the suspension rope fixed with the square screw

3

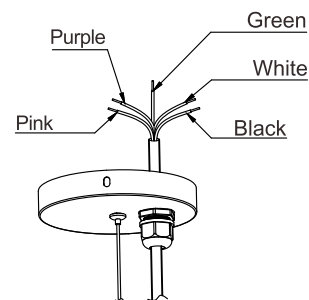
4. The thread locker passes through the canopy and is fixed with a screw nut, and the waterproof connector passes through the gasket and the canopy, and is fixed with a screw nut

OFF



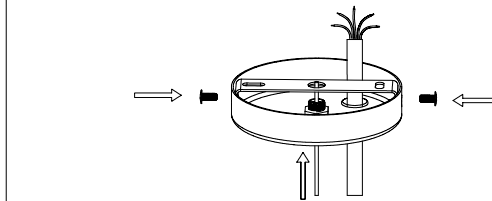
OFF

5. Press the steel wire rope holder as shown in the figure, and then insert the stainless steel wire into the inner hole of the steel wire rope holder; The mounting height of the lamp could be adjusted by this steel wire rope holder.



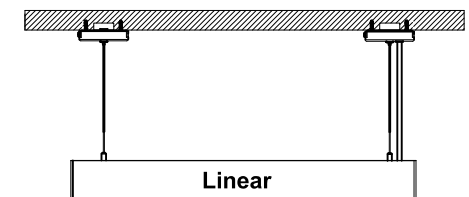
OFF

6. Pass the AC into the waterproof connector, fix the AC wire with a screw cap, connect the L pole to the black wire, the N pole to the white wire, the GND to the green wire, the DIM+ pole to the purple wire, and the DIM- pole to the pink wire



OFF

7. Adjust the length of the AC input cable, align the side hole of the canopy and the M mounting bracket as shown in the figure, then tighten the screw.



ON

8. The installation is completed.

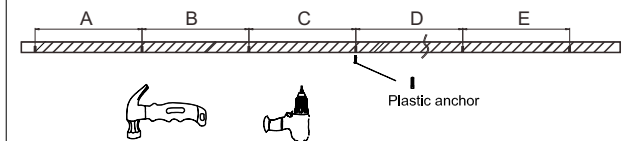
B. Linkable Instruction

Note: Only available for Linkable Products.

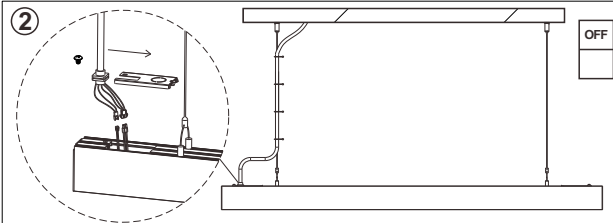
①

Measure the ceiling, make down the position for lineae1, install the first Linear Light to the ceiling as" instruction of A Rope Suspension Installation.

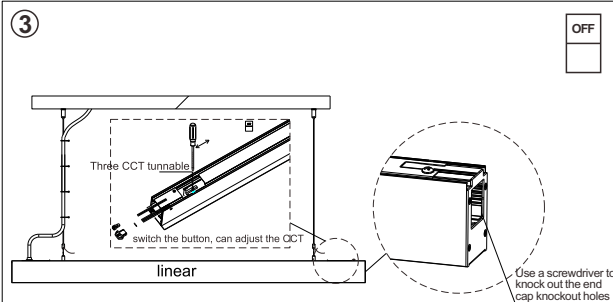
OFF



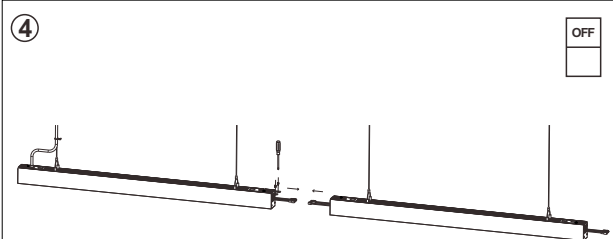
NO.	Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Remark
1	4FT	800	300	800	300	800	3pcs linkable diagrammatic drawing
2	8FT	1940	317	1940	317	1940	3pcs linkable diagrammatic drawing



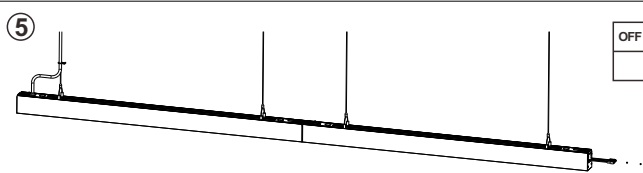
1. open the end cap, cut off hole in the plate for the AC power cable
2. Input cable snaps into outlet flap
3. The 2-position male terminal of the input line is docked with the 2-position female terminal of the lamp, and the 3-position male terminal of the input line is butted with the 3-position female terminal of the lamp;



1. Open the side hole of the end cover
2. Adjust the color temperature of the lamps



1. The 2-position male terminal of the second lamp is connected to the 2-position female terminal of the first lamp, and the 3-position male terminal of the second lamp is connected to the 3-position female terminal of the first lamp, and connected in sequence;
2. Insert the splice into the profile and fix it with a Phillips screwdriver



Finished linked Schematic diagram

NOTE:
LED LINEAR CAN BE GAPLESS LINKABLE TOGETHER AS NEEDED,
(if you order to use 18# cord, More Links can be Customized.)

Link Instruction and Disclaimer



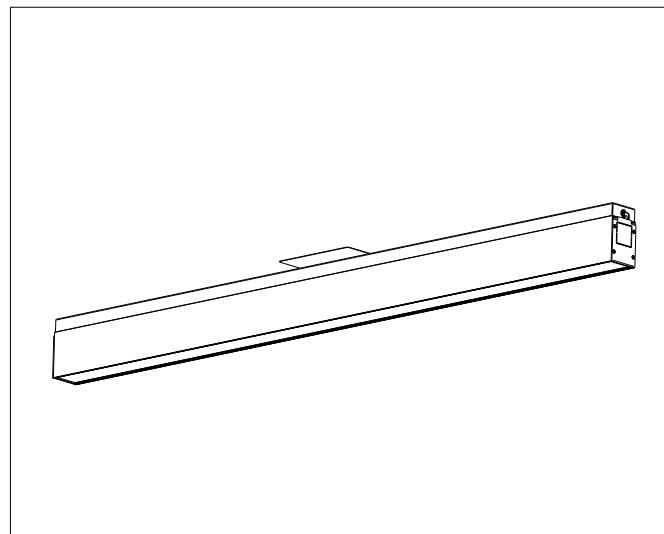
Max. linkable Quantity (Unit:PC)

Linkable fixtures Qty need to meet the below two conditions:

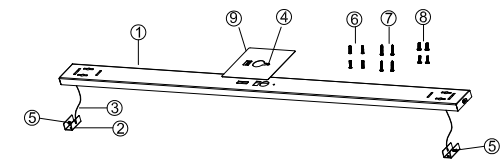
- 1) $N \leq 7$ pcs
- 2) Input voltage = 120V, $N \cdot P \leq 420W$
Input voltage = 277V, $N \cdot P \leq 960W$

Note: N = Qty of linkable fixtures,
P = Wattage per fixture

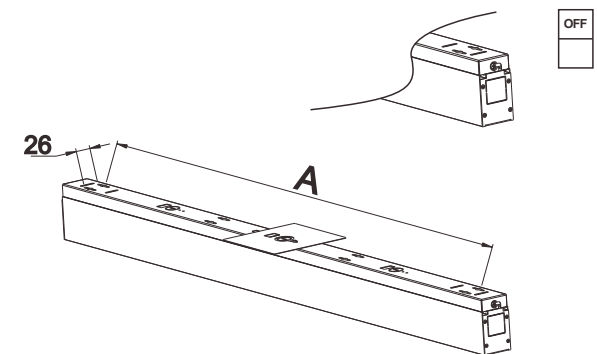
C. Surface Mount



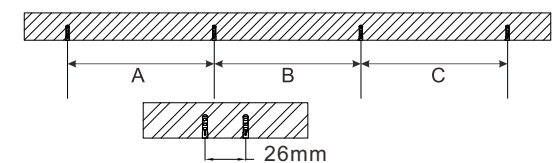
Installation Kits



1	Surface Mount Bracket	1126*49*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

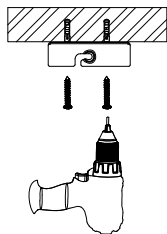


N0.	Size	Linear light (mm)	A(mm)	B(mm)	C(mm)
1	4FT	1130	1000	/	/
2	8FT	2257	900	360	900



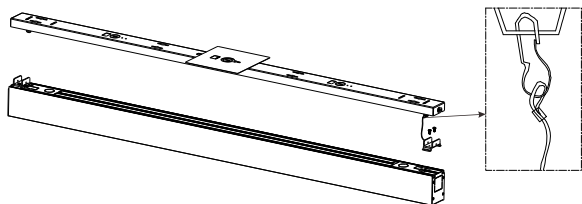
1. Drill Hole on the ceiling based on the Length of the fixture, fix the plastic anchor in the hoie.

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



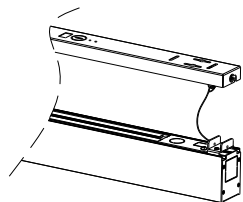
OFF

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



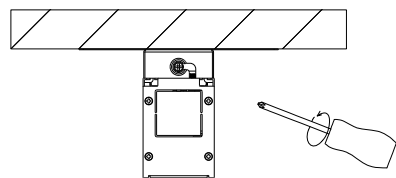
OFF

4. Wiring 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 side



OFF

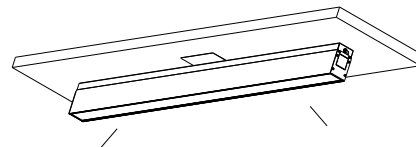
5. Fix screws on two side of the fixture



OFF

5

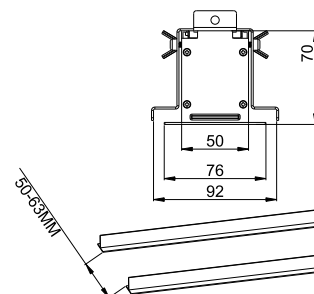
5. Turn on the light.



ON

D. T-BAR Recessed

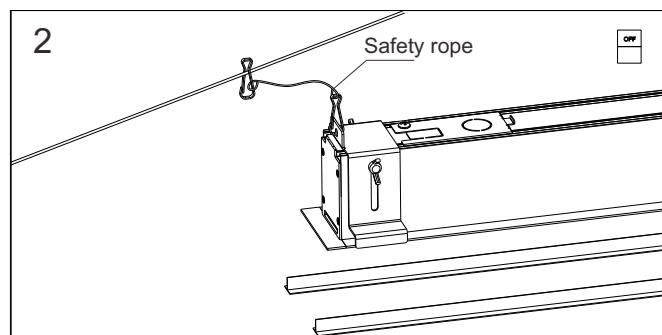
1



OFF

Dig hole on the ceiling, suggest size 50-63mm

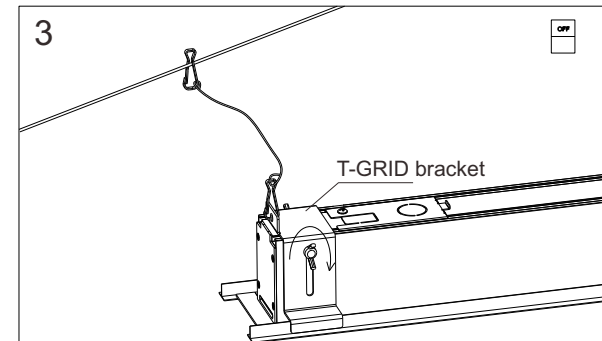
2



OFF

The fixtures put on the grid, one side of the Safety rope fix with fixture, the other side fix on the grid

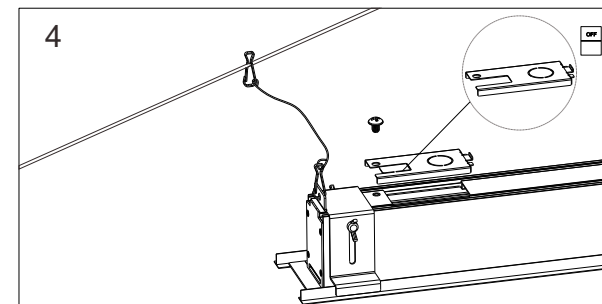
3



OFF

Adjust the height of the T-GRID bracket, make the T-GRID bracket snap into the grid, and fix it with the screws by hand

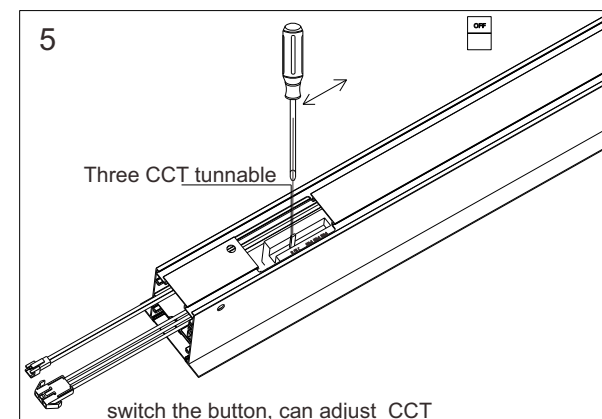
4



OFF

Unscrew the cover of the input end, and cut off the inlet hole of the input end cover

5



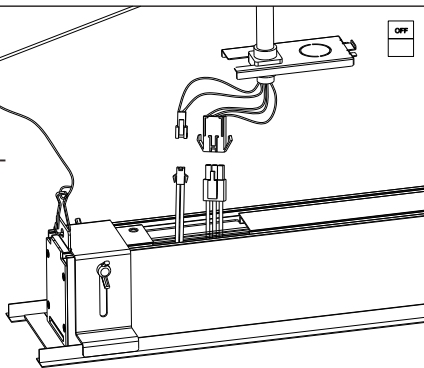
OFF

Three CCT tunable

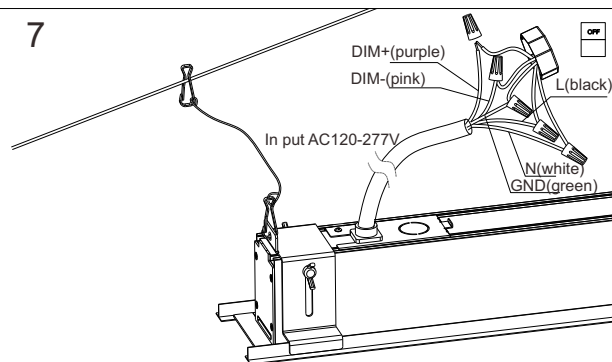
switch the button, can adjust CCT

6

1, 2-position male terminal and 2-position female terminal mating, 3-position male terminal and 3-position female terminal mating
2, Wires snap into outlet end caps

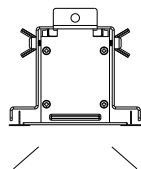


7



The dimming positive pole of the lamp is connected to the positive pole of the dimmer, 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 the mains ground wire. connect. ground wire. connect.

8

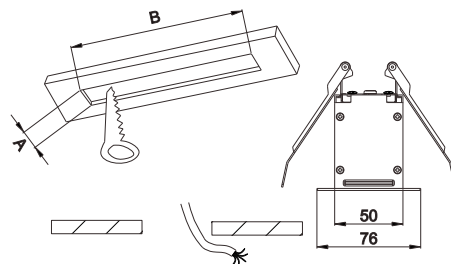


Finish install, turn on light .

6

E. Single spring clips recessed install

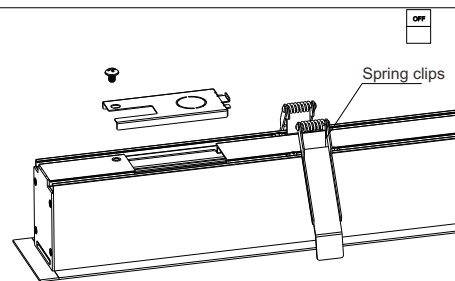
1



Open the hole according to the size of fixture , see the below photo: pull out the AC wire

Recommended slot size			
Model	Size of the fixture	A	B
4FT	1229*76*70MM	55-60mm	1206-1215mm
8FT	2429*76*70MM	55-60mm	2406-2415mm

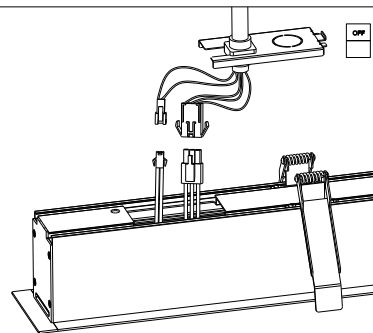
2



Unscrew the cover of the input end, and use the pliers to cut off the inlet hole of the input end cover;

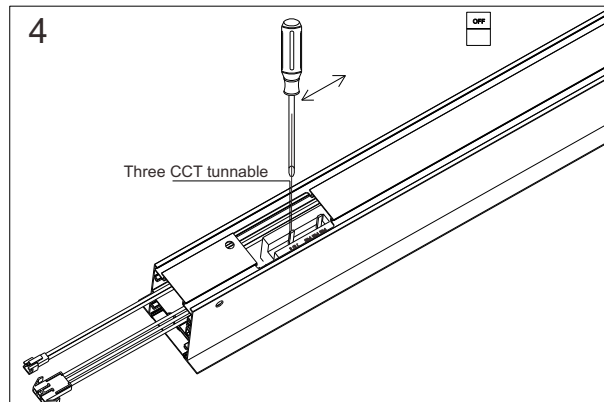
Quantity	
Model	pair
4FT	3 pair
8FT	6 pair

3



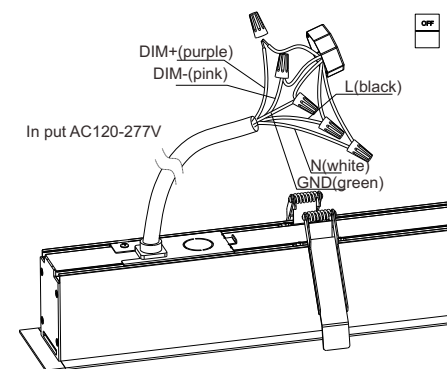
1, 2-position male terminal and 2-position female terminal mating, 3-position male terminal and 3-position female terminal mating
2, Wires snap into outlet end caps

4



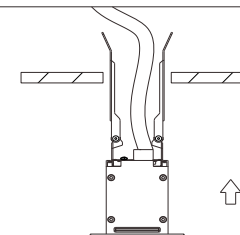
switch the button, can adjust CCT

5



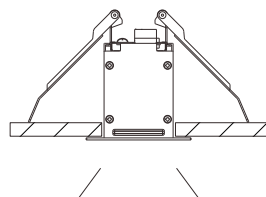
The dimming positive pole of the lamp is connected to the positive pole of the dimmer, the dimming negative pole of the lamp is connected to the negative pole of the dimmer, the L pole of the lamp is connected to the L pole of the mains, the N pole of the lamp is connected to the N pole of the mains, and the ground wire of the lamp is also the mains ground wire. connect.

6



The spring snaps into the slot

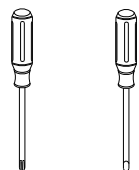
7



Finish install, turn on light .

F. Multiple T-GRID splicing installation

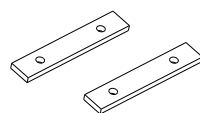
Tool



Phillips screwdriver Flat-blade screwdriver

Tools provided by the electrician

Parts List

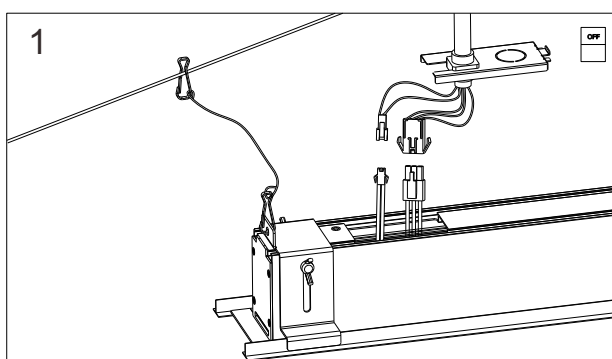


Linkable bracket *2



screws *4

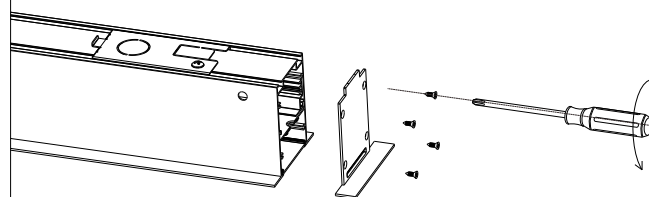
1



- 1, The first fixture connect to the input line
- 2, 2-position male terminal and 2-position female terminal mating, 3-position male terminal and 3-position female terminal mating
- 3, Wires snap into outlet end caps

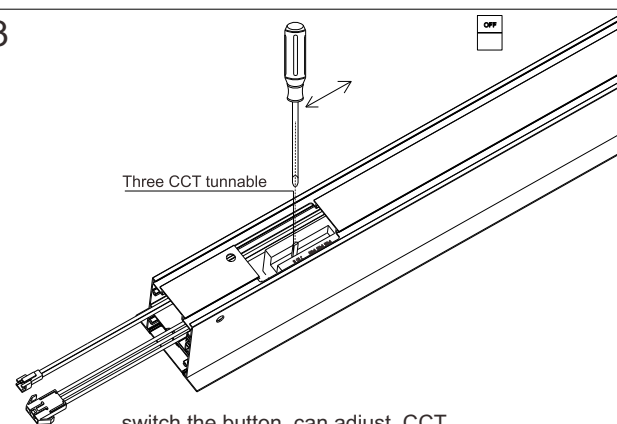
7

2



Use a screwdriver to remove the splice end cap

3

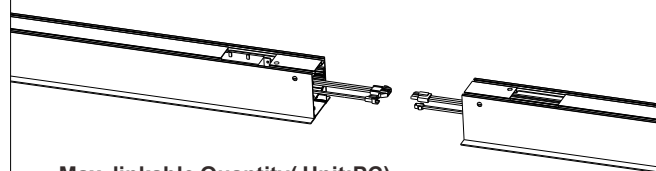


Three CCT tunable

switch the button, can adjust CCT

4

3-position male terminal and 3-position female terminal mating; 2-position male terminal and 2-position female terminal mating.



Max. linkable Quantity(Unit:PC)

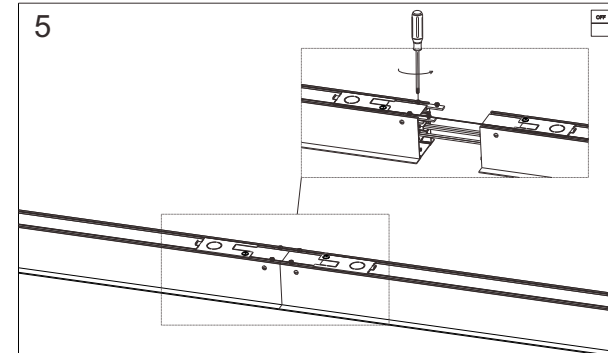
Linkable fixtures Qty need to meet the below two conditions:

- 1) $N \leq 7$ pcs
- 2) Input voltage = 120V , $N \cdot P \leq 420W$

Input voltage = 277V , $N \cdot P \leq 960W$

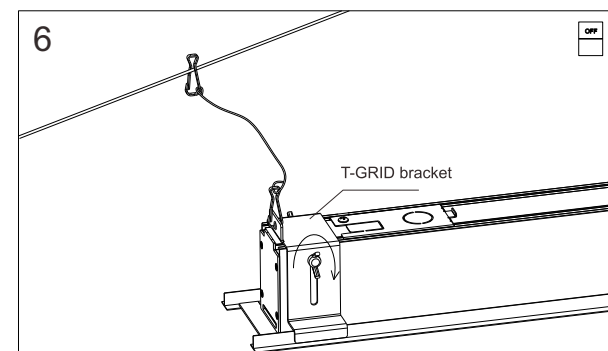
Note: N = Qty of linkable fixtures,
P = Wattage per fixture

5



Insert the linkable bracket into the profile and fix the splice with screws

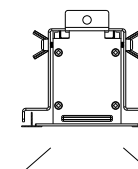
6



T-GRID bracket

Adjust the height of the T-GRID bracket, make the T-GRID bracket snap into the grid, and fix it with the screws by hand

7



Finish install, turn on light .