280 mm

210

SLG LIGHTING | Your experience matters.

# INSTALLATION MANUAL

## SAL M27 - Selectable LED Linear

### 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 eletrician.

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 purpose 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℃.
- Consult a qualified electrician before installation.
- Properly ground electrical enclosure.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet meal 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.

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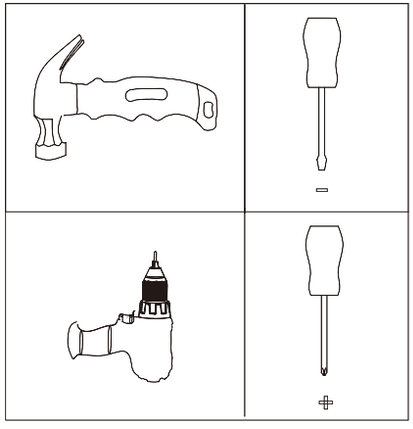
@SLGUS @SLG_US @SLG_US SLG Lighting

注：印刷时红色外框虚线与标注不印刷。

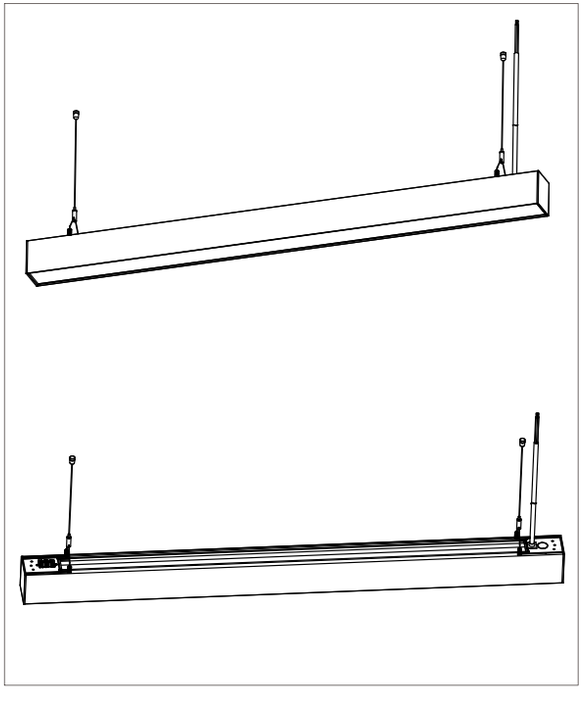
280 mm

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TOOL

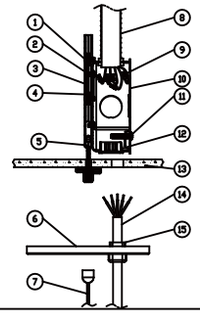


## A1) .Rope Suspension Installation

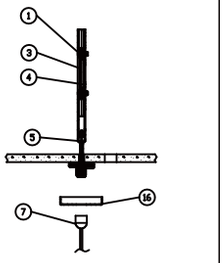


Pendant

Mountincoming

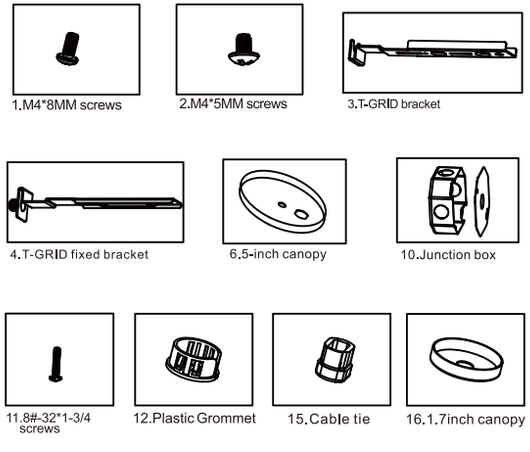


lineNon-incoming line



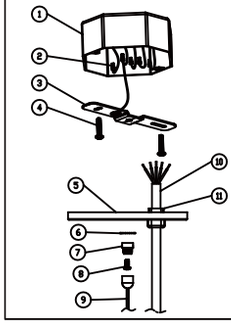
list

1.M4*8MM screws x4PCS
2.M4*5MM screws x2PCS
3.T-GRID bracket x2PCS
4.T-GRID fixed bracket x2PCS
5.T-GRID(other provided)
6.5-inch canopy x2PCS
7.Aircraft cable (other provided)
8.Armored Cable & Connector (other provided)
9.Wire Nut (other provided)
10.Junction box x1PCS
11.8#-32*1-3/4 screws x6PCS
12.Plastic Grommet x1PCS
13.Ceiling Tile(other provided)
14.AC power cord (other provided)
15.Cable tie x2PCS
16.1.7inch canopy x1PCS

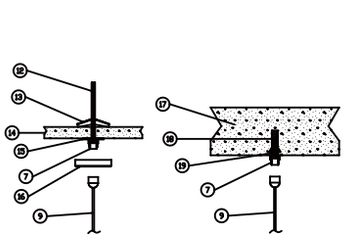



Drywall installation

incoming line

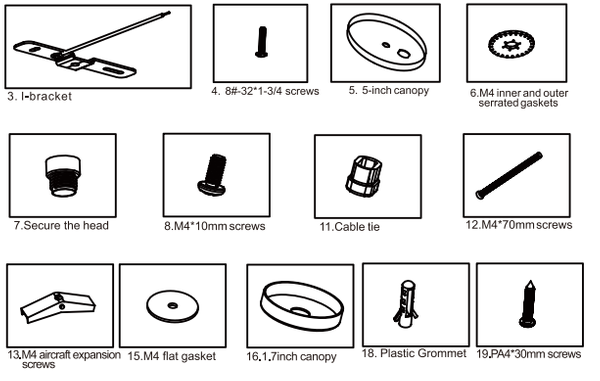


Non-incoming line



list

1. Junction box (other provided);
2. Wire Nut (other provided);
3. I-bracket x1PCS
4.8#-32*1-3/4 screws x4PCS
5.5-inch canopy x2PCS
6.M4 inner and outer serrated gaskets x1PCS
7. Secure the head x2PCS
8.M4*10mm screws x2PCS
9. Aircraft cable (other provided)
10. AC power cord (other provided)
11. Cable tie x1PCS
12.M4*70mm screws x2PCS
13.M4 aircraft expansion screws x2PCS
14.Drywall Ceiling (other provided)
15.M4 flat gasket x2PCS
16.1.7inch canopy x1PCS
17.Solid Ceiling (other provided)
18. Plastic Grommet x4PCS
19.PA4*30mm screws x4PCS



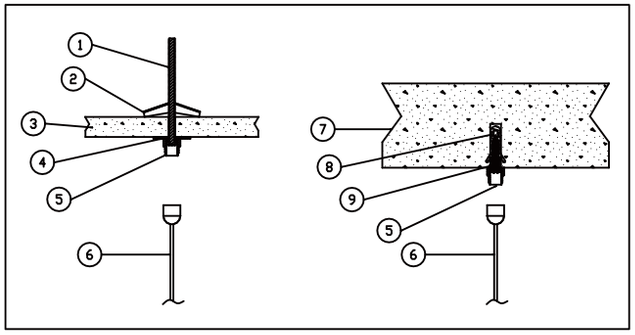



注：印刷时红色外框虚线与标注不印刷。

280 mm

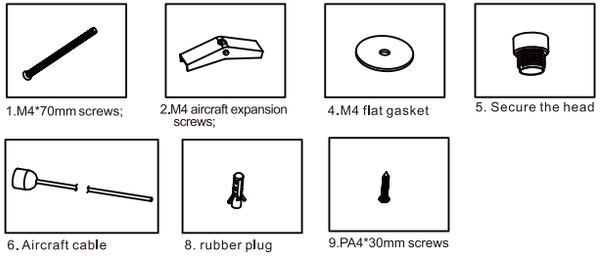
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Drywall Suspension installation

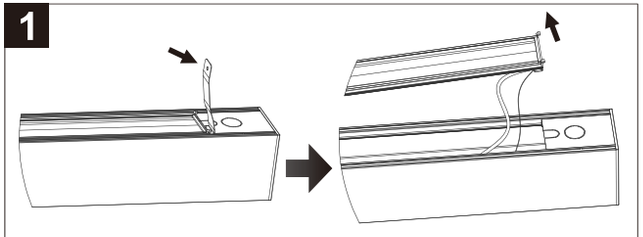



list

1.M4*70mm screws; x2PCS
2.M4 aircraft expansion screws; x2PCS
3.Drywall Ceiling (other provided)
4.M4 flat gasket x2PCS
5. Secure the head x2PCS
6. Aircraft cable x2PCS
7.Solid Ceiling (other provided)
8. rubber plug x2PCS
9.PA4*30mm screws x2PCS

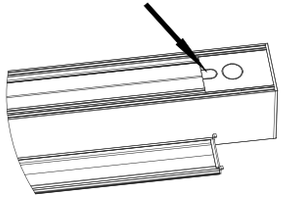



**1**



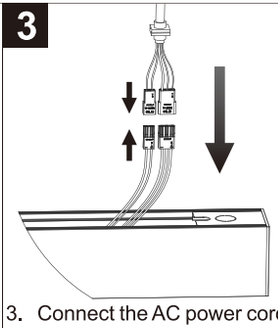
1. Open the upper light modular

**2**



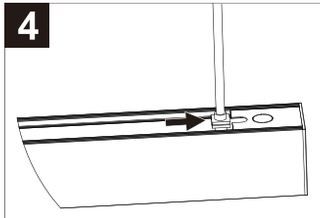
2. Cut the knockout hole with the Electrician's cutters

**3**



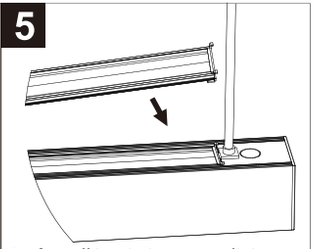
3. Connect the AC power cord with the inner linkable cable

**4**



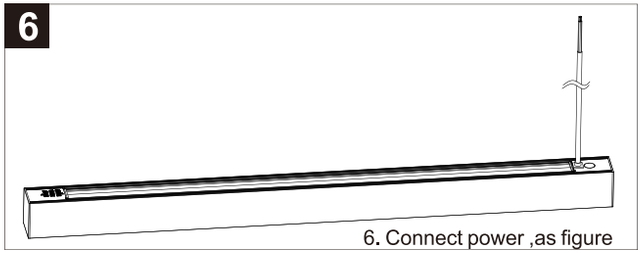
4. Fix the SR of the AC power cord

**5**



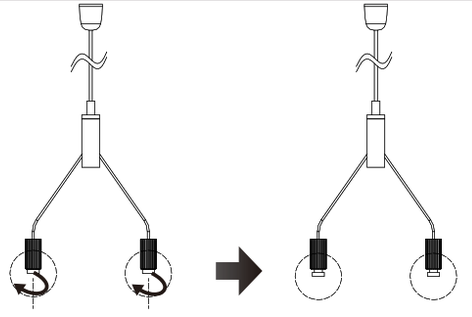
5. Install back the upper light modular on the fixture

**6**



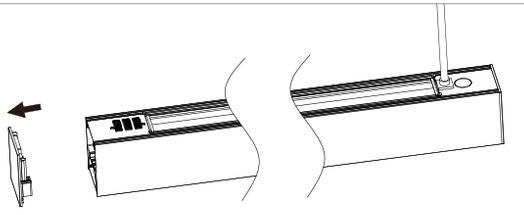
6. Connect power ,as figure

**7**



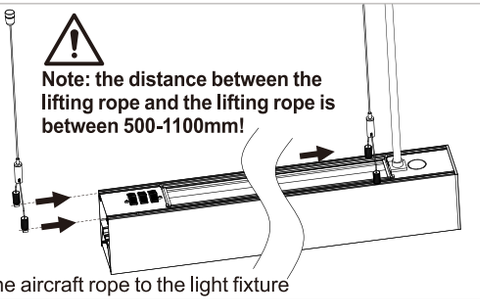
7. Loosen the T screws on the rope, as figure

**8**



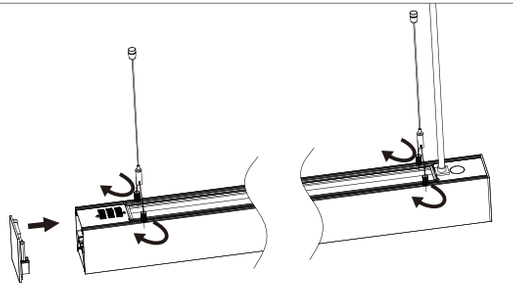
8. Open the end cap at the switch box side

**9**



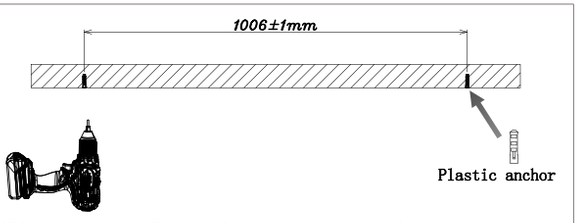

9. Slide the aircraft rope to the light fixture

**10**



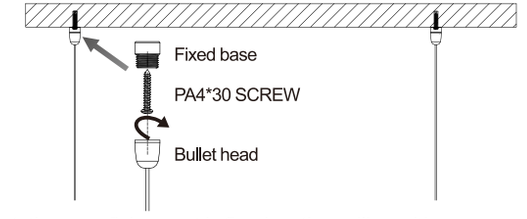
10. Lock the rope at the appropriate position of the fixture and install the end cap back on the fixture

**11**



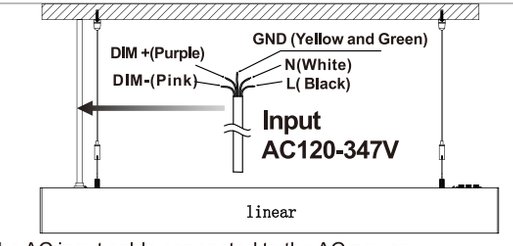

11. Drill holes in the ceiling and insert expansion plugs

**12**



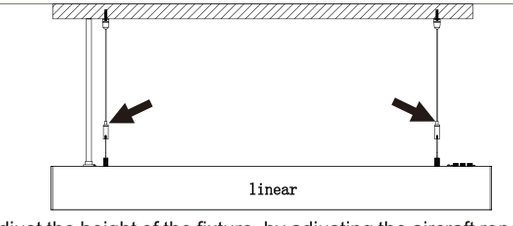

12. First, the rope fixing seat is fixed on the ceiling with screws, and then the rope warhead is locked on the fixing seat to lift the fixture

**13**




13. The AC input cable connected to the AC power

**14**




14. Adjust the height of the fixture by adjusting the aircraft rope, and then light the fixgture



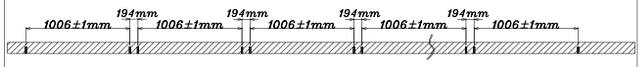
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280 mm

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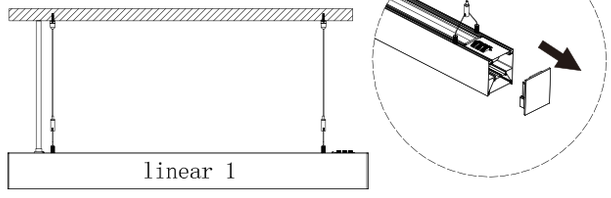
# B.Linkable Instruction

**1**



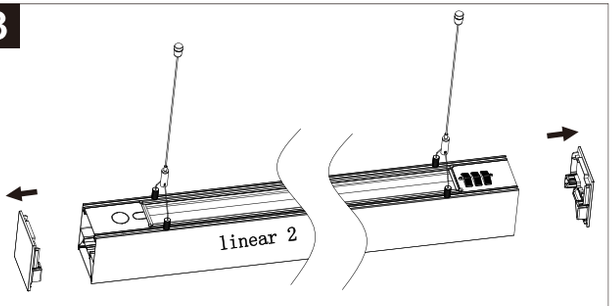

1. Follow the steps for installing a single fixture , determine the size of the required installation position, drill a diameter ∅5 mounting hole with an electric drill, and drive the plastic gecko into the hole. Install the first line light

**2**



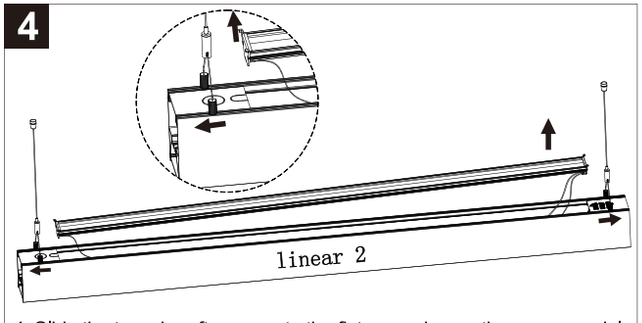

2. Take off the end cap on the switch box side

**3**



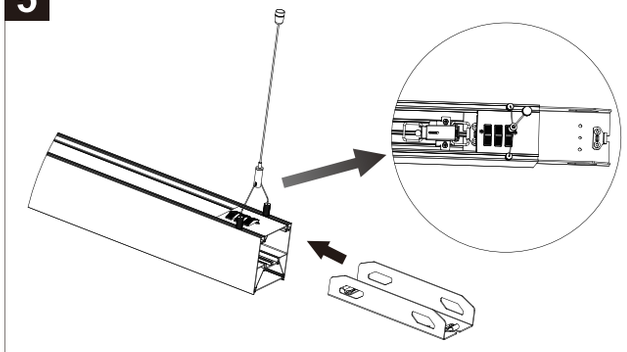

3. Take off the both end cap

**4**



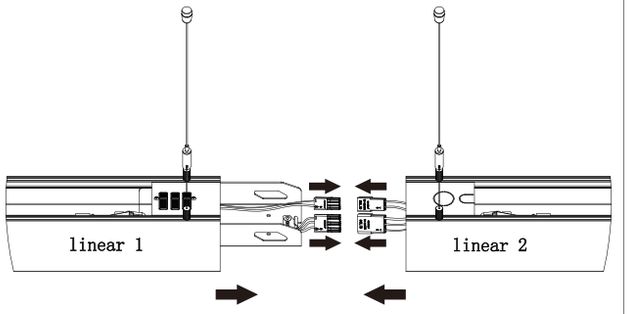

4. Slide the two aircraft rope onto the fixture and open the upper module

**5**



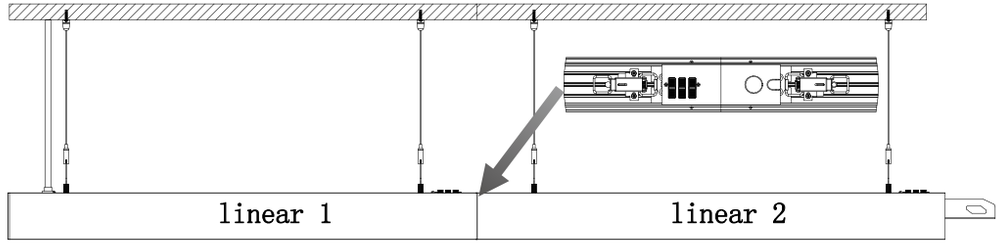
5. Open the fixture 1 upper module, insert the linkable bracket into the fixture body and pull the hook with the linked bracket

**6**



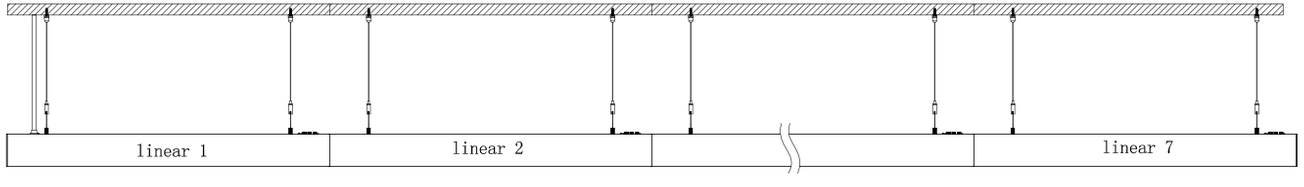

6. Connect Linner 1 linkable cable male connector with Linner 2 linkable female connector . and then tighten the linkable bracket with Linner 2

**7**




7. After the Linner 1 and Linner 2 linkable toghether , see the figure

**8**




8. Link the fixture according to the above steps one by one , Adjust the balance of th fixture through the Aircraft rope . Then turn on the light .

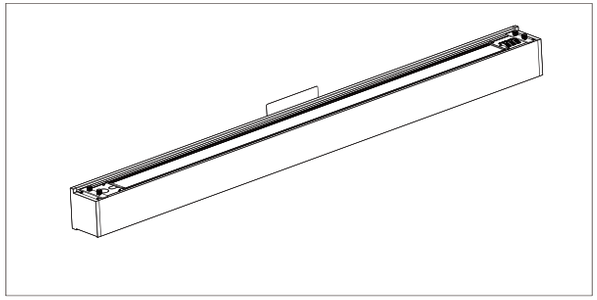


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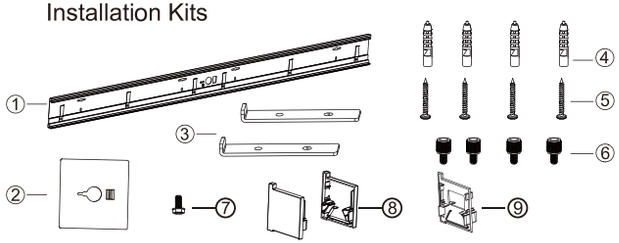
280 mm

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# C.Wall Mount

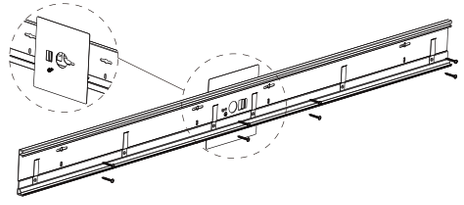


Installation Kits



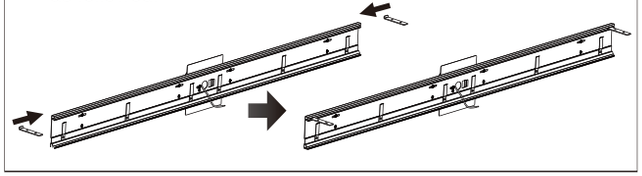

| | | |
|---|---|---|
| 1 | C Wall-mount Bracket | 1PC |
| 2 | Square Decorative | 1PC |
| 3 | L support | 2PCS |
| 4 | Plastic Anchor | 4PCS |
| 5 | Cross head tapping | 4PCS |
| 6 | Hand screw | 4PCS |
| 7 | Screw | 1PC |
| 8 | End cap | 2PCS |
| 9 | Linkable braket | 1PC |

## 1, 2

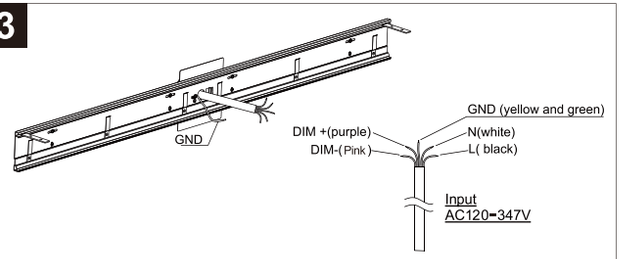


1. Drill Hole on the wall based on the Length of the Fixture, Fix the plastic anchor in the hole and fix the Wall Mount Bracket on the Wall.

2. Push the L support bracket into the wall mount bracket as followed.

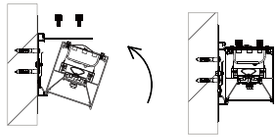


## 3



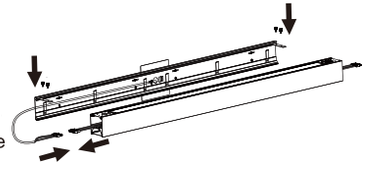

3. Connect L, N, GND, DIM+ and DIM- of AC input wire to L, N, GND, DIM+ and DIM- respectively of AC wire.

## 4



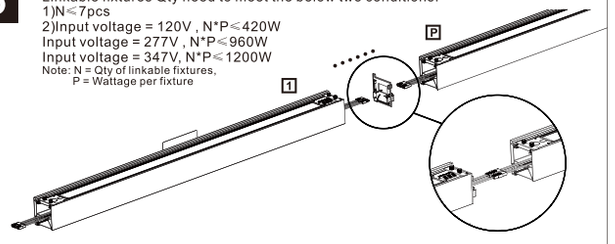
4. Get the linear light install into the wall mount bracket as followed picture. Using the hand screw to secure the linear light.

Connect the quick connector between the linear light and connector from the AC power wire. After then, put it into the linear body.



## 5

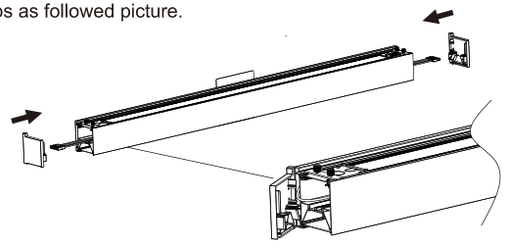
Linkable fixtures Qty need to meet the below two conditions:
1)N≤7pcs
2)Input voltage = 120V , N*P≤420W
Input voltage = 277V , N*P≤960W
Input voltage = 347V, N*P≤1200W
Note: N = Qty of linkable fixtures,
P = Wattage per fixture



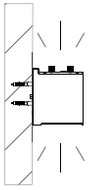

5. Linkable braket insert into one fixture , connect the male and female connector, the other part of linkable braket insert into the other fixuture. Then the fixture fixed on the wall mounted kit .

## 6

6. Install the end caps, the connector wire must get through the correct place on the end caps as followed picture.

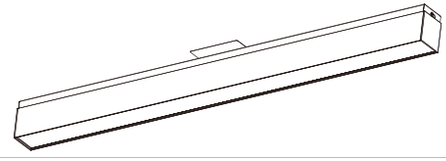


## 7

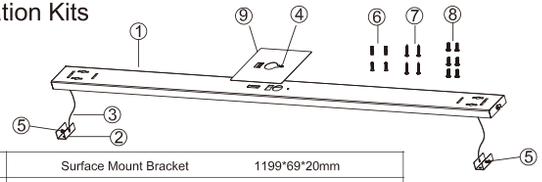


7. Turn on the light.

# D. Surface Mount

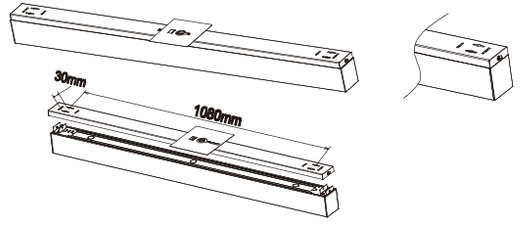


Installation Kits

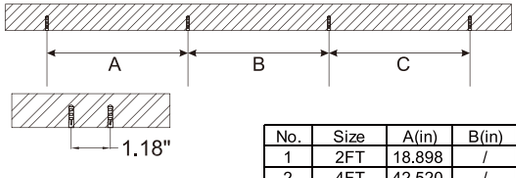



| | | |
|---|---|---|
| 1 | Surface Mount Bracket | 1199*69*20mm |
| 2 | Surface Mount Bracket 2 | 43*22.5*18mm |
| 3 | Safety cable | L=150mm |
| 4 | Round head pull nail | 4*5mm |
| 5 | Countersunk head screw | PM4*10 |
| 6 | Cross head tapping screw | PA4*35M |
| 7 | Plastic Anchor | 4*28mm |
| 8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

## 1




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



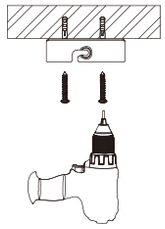

| No. | Size | A(in) | B(in) | C(in) |
|---|---|---|---|---|
| 1 | 2FT | 18.898 | / | / |
| 2 | 4FT | 42.520 | / | / |
| 3 | 6FT | 25.984 | 14.173 | 25.984 |
| 4 | 8FT | 37.795 | 14.173 | 37.795 |



注：印刷时红色外框虚线与标注不印刷。

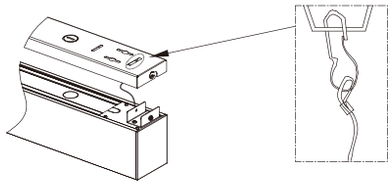
280 mm
210

**2**



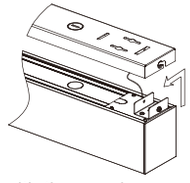
2.Fix the surface mount bracket on the ceiling with PA4*30 screw.

**3**



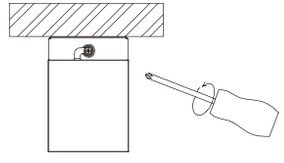
3.Hook the safety cable of the fixture on the slot of the surface mount bracket.

**4**



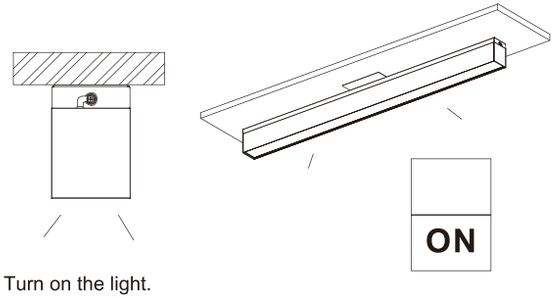
4.Wiring the fixture with the supply power, clear up the wires and safety cables, clip the fixture into the slot of the surface mount plate on two side

**5**



5. Fix screws on two side of the fixture

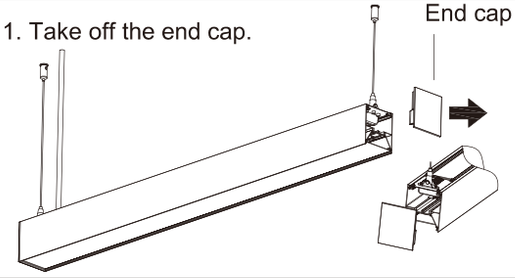
**6**




6. Turn on the light.

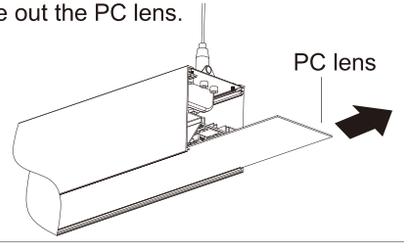
## E. Change PC Lens with Parabolic Lens

**1**



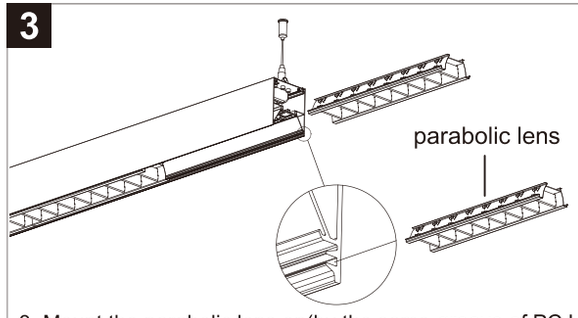

1. Take off the end cap.

**2**



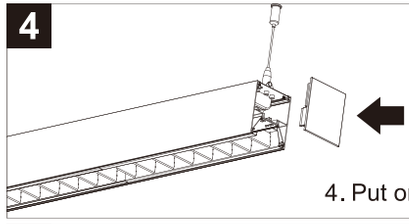

2. Take out the PC lens.

**3**



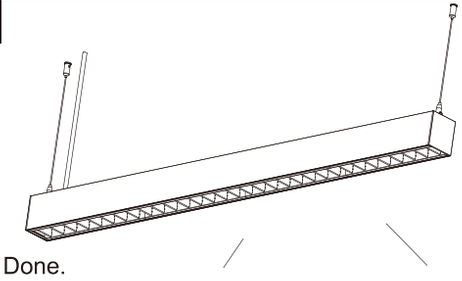

3. Mount the parabolic lens on(by the same groove of PC Lens)

**4**



4. Put on the End Cap.

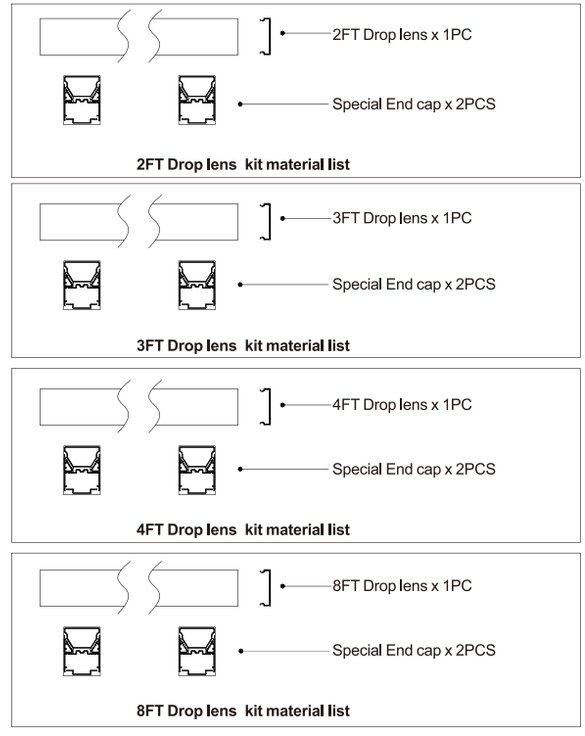
**5**



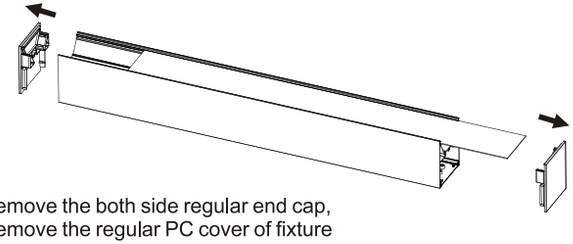
5. Done.

## F. 2/3/4/8FT Replacement of Drop lens assembly instructions

Acessories

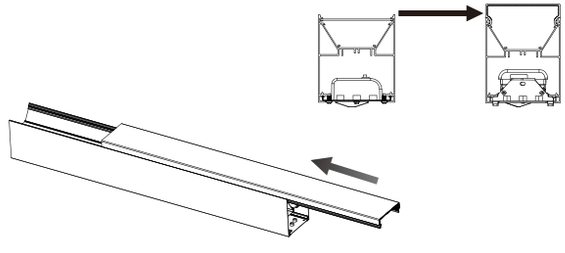



**1**



1. Remove the both side regular end cap, Remove the regular PC cover of fixture

**2**



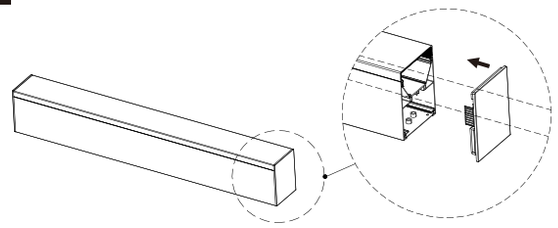
2. Install the Drop lens on the fixture , see the figure



注：印刷时红色外框虚线与标注不印刷。

280 mm
210

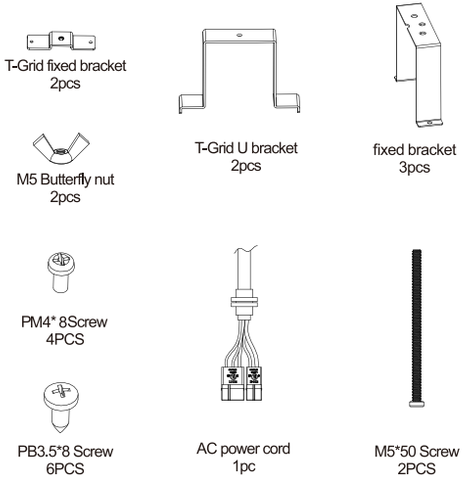
**3**



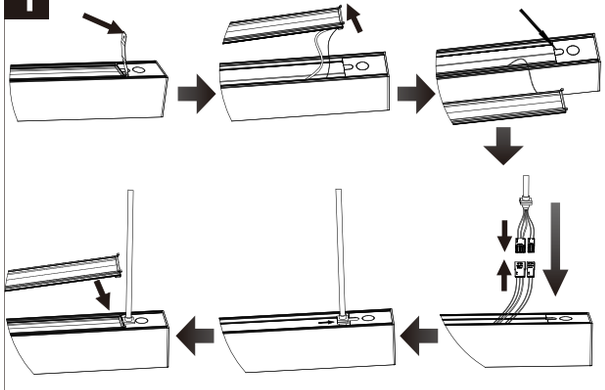
3. Insert the special end cap at both side , check if all match, finished

## G. Recessed kit install step

Acessories

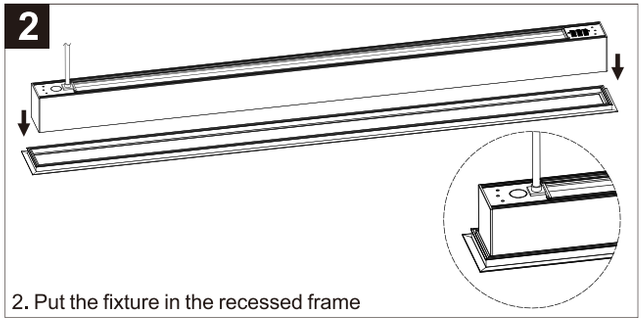



**1**



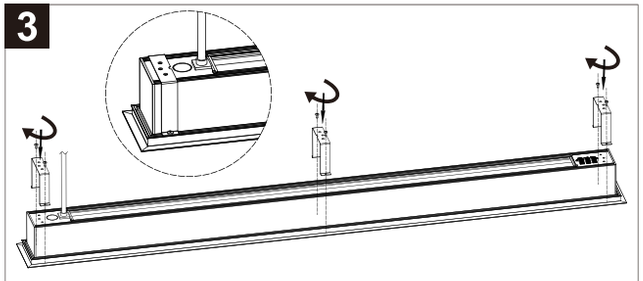
1. Open the upper modular or upper plate, take out the inner linkable cable with female connector; Connect with the AC power cord ,And the AC power cord fix with the SR

**2**



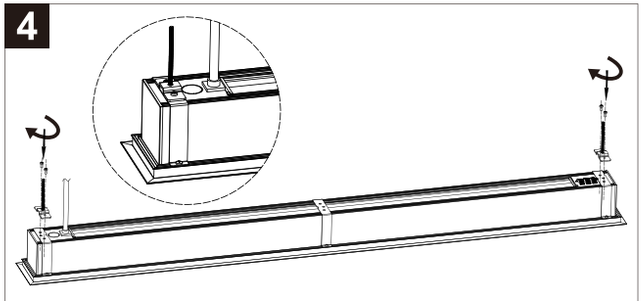
2. Put the fixture in the recessed frame

**3**



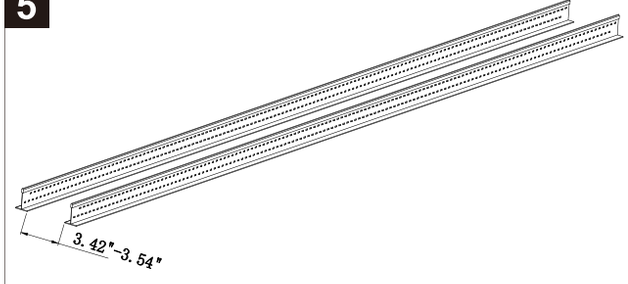
3. Fix the fixture and recessed frame with the fix bracket

**4**



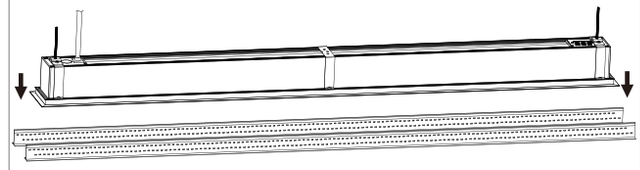
4. Install the T-Grid fixed bracket fix on the fixture

**5**



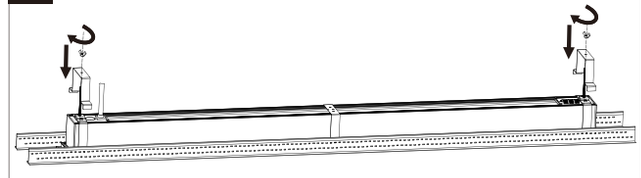

5. Adjust the T-BAR metal bar position in the ceiling according to our frame

**6**



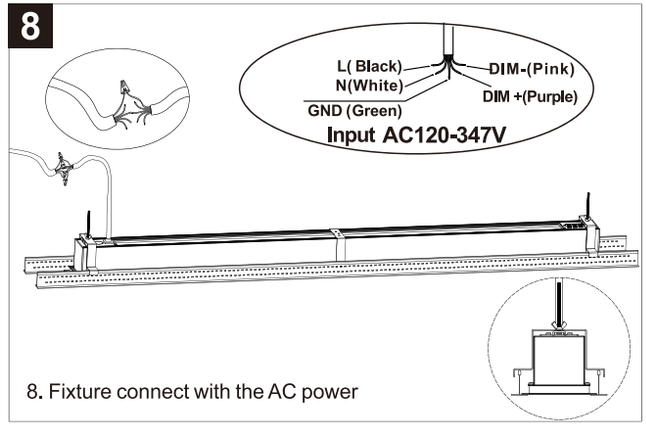
6. Put the fixture on the T-BAR metal bar

**7**



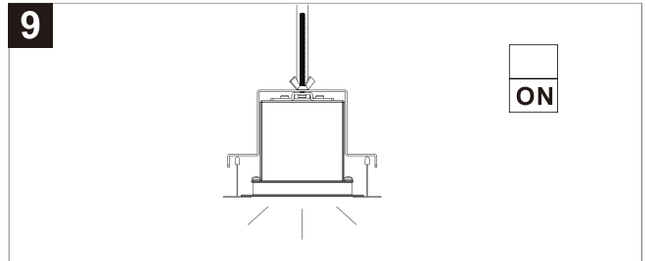
7. In order avoid the fixture drop off ,Use the butterfly nut screw the T-Grid bracket on the T-BAR metal bar

**8**




8. Fixture connect with the AC power

**9**




9. After confirm everything ok,turn on the light



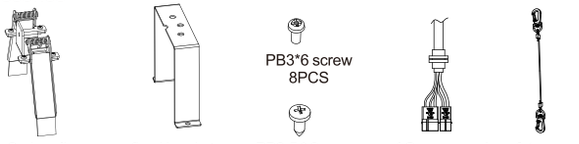
注：印刷时红色外框虚线与标注不印刷。

280 mm

210

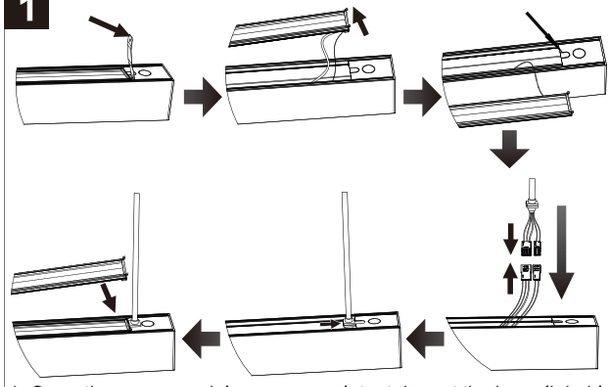
# H. Recessed kit install step

Acessories



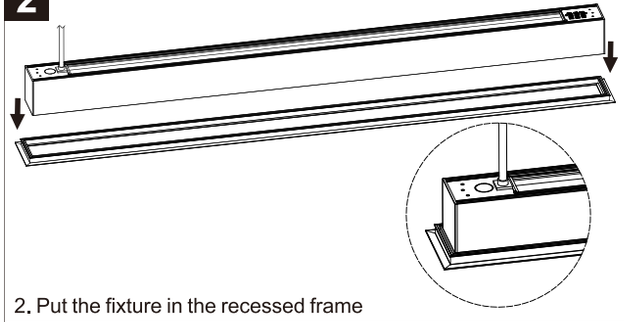

Spring clips 2sets | fixed bracket 3pcs | PB3.5 * 8 screw 6pcs | AC power cord 1pc | safety rope 2pcs

**1**



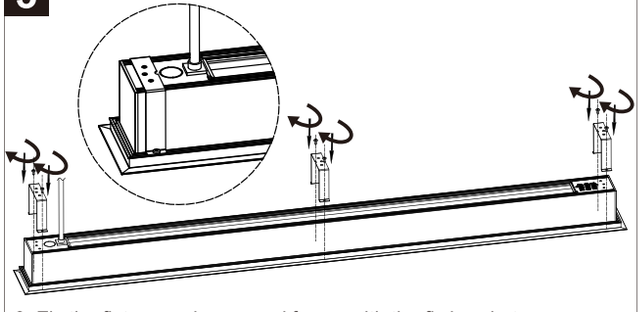
1. Open the upper modular or upper plate, take out the inner linkable cable with female connector; Connect with the AC power cord ,And the AC power cord fix with the SR

**2**



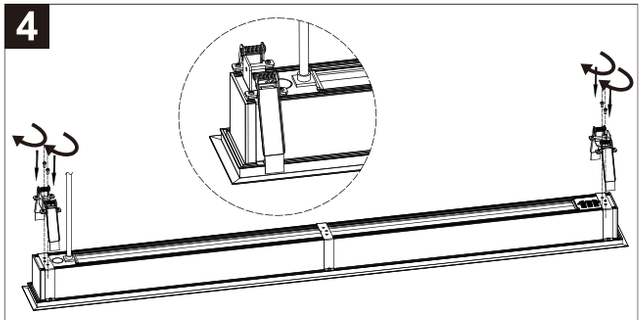
2. Put the fixture in the recessed frame

**3**



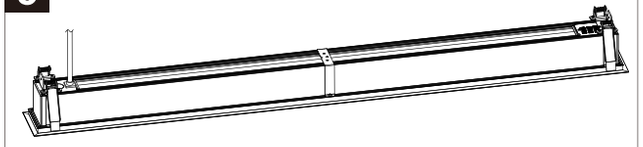
3. Fix the fixture and recessed frame with the fix bracket

**4**



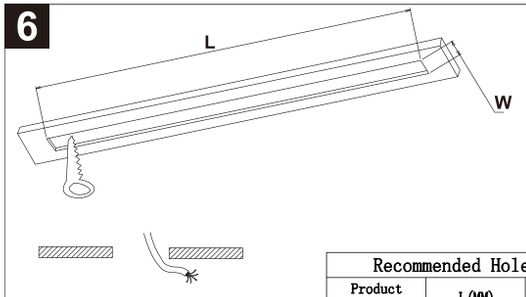
4. Install the Spring clips on the fixtures

**5**



5. Finished install the recessed fixture with accessory

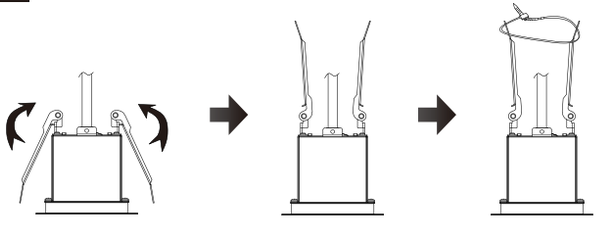
**6**




6. Open the suitable size hole on the ceiling , detail size as figure

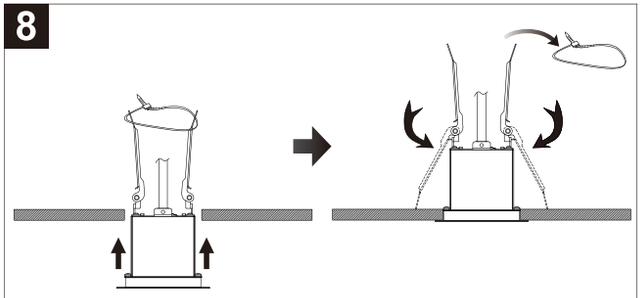
| Recommended Hole size | | |
|---|---|---|
| Product Model | L(MM) | W(MM) |
| 2FT | 628 | 92 |
| 3FT | 928 | 92 |
| 4FT | 1228 | 92 |
| 5FT | 1528 | 92 |
| 8FT | 2428 | 92 |

**7**



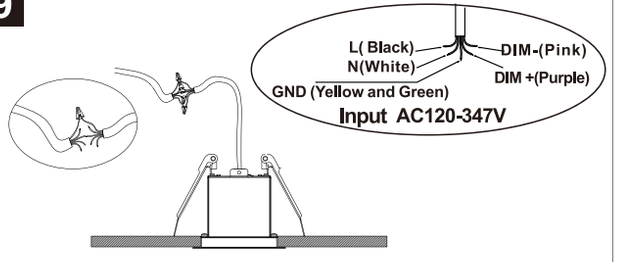
7. Break the spring clip and tie it with cable ties

**8**



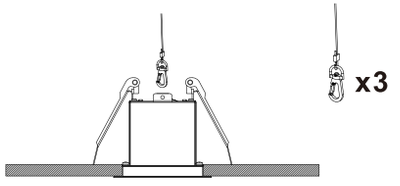
8. Insert the lamp into the ceiling and release the spring so that the lamp is fixed to the ceiling

**9**



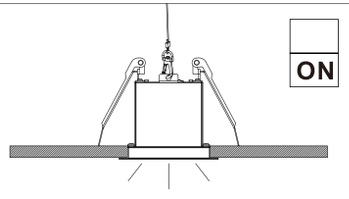

9. Fixture connect with the AC power

**10**




10. The safety rope fastened to the light fixture

**11**



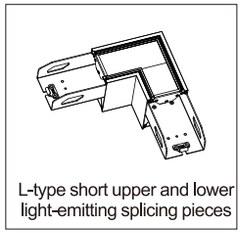

11. After confirm everything ok , turn on the light

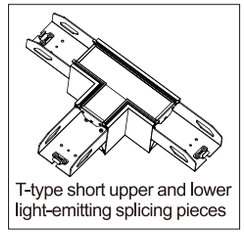


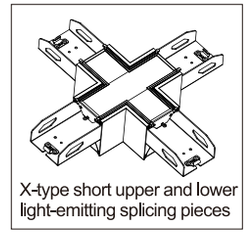
注：印刷时红色外框虚线与标注不印刷。

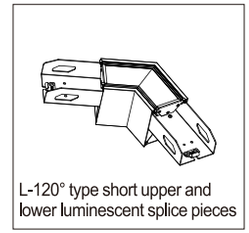
280 mm
210

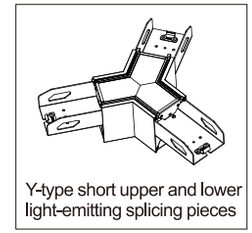
# I. Second generation short-style up and down light-emitting LTXYL-120 ° splice assembly installation instructions

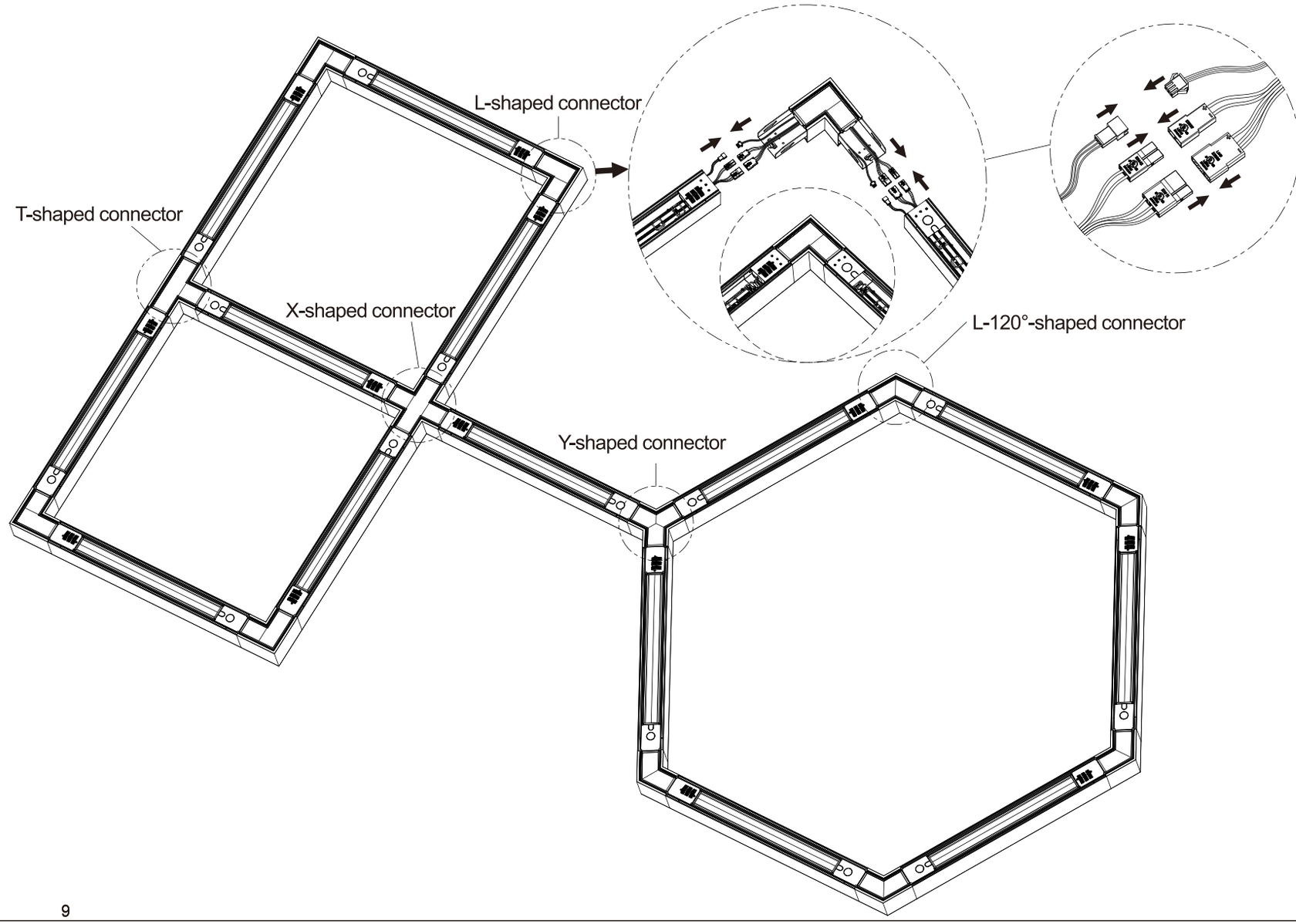

L-type short upper and lower light-emitting splicing pieces


T-type short upper and lower light-emitting splicing pieces


X-type short upper and lower light-emitting splicing pieces


L-120° type short upper and lower luminescent splice pieces


Y-type short upper and lower light-emitting splicing pieces






注：印刷时红色外框虚线与标注不印刷。