

WARNING**RISK OF FIRE OR ELECTRIC SHOCK**

The 12100-23-P-OP Series must be installed by a qualified electrician in accordance with applicable federal, state, and local laws and codes. Installation requires knowledge of luminaire electrical systems and installer should be familiar with the operation of this product. If not qualified, do not attempt installation; contact a qualified electrician. Manufacturer assumes no responsibility for the improper installation of this luminaire. When installing the fixture, drilling may damage luminaire wiring and electrical parts. Check for wiring and components in enclosure before drilling.

WARNING

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. When installing this kit, drilling may damage luminaire wiring and electrical parts. Check for wiring and components in enclosure before drilling.

CAUTION**RISK OF PERSONAL INJURY**

- Wear gloves or proper handling protection to prevent cuts or abrasions when handling and maintaining this product. This equipment may have sharp edges. To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warning and instructions included with and on the fixture box and all fixture labels.
- Avoid direct eye exposure to the light source while it is on.

WARNING**RISK OF PERSONAL INJURY, FIRE OR ELECTRIC SHOCK**

- Turn OFF power before installation.
- Do not handle energized fixture when hands are wet, when standing on wet or damp surfaces, or in water

NOTICE

- Do not install any part of the luminaire less than 5 feet above the floor or closer than 5 inches from any window treatments, i.e., curtains, blinds or any similar combustible type materials.
- Check to make sure that all fixture connections have been properly made and the fixture is grounded to avoid potential electrical shocks.
- Use only UL approved wire input/output connections. Minimum size 18 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.

Contact manufacturer with any questions or concerns regarding installation of this luminaire.

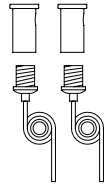
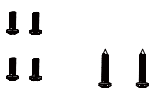
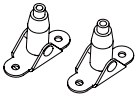
Suspension without canopy

12100-23-P-OP-ACC-(6/12)- 6.5 or 12 ft Aircraft cable without canopy

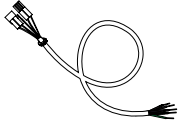
12100-23-P-OP-CRD7-(WH/BK) - 7ft 18AWG AC cable

1 Part list:

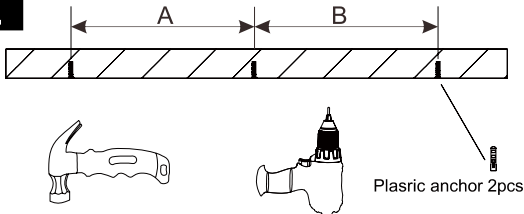
12100-23-P-OP-ACC-(6/12)



12100-23-P-OP-CRD7-(WH/BK)



2

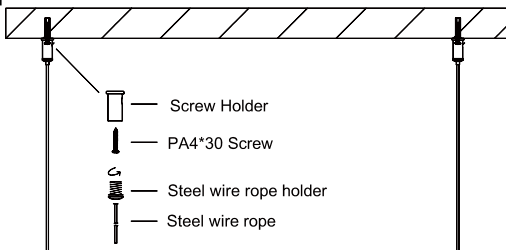


Plastic anchor 2pcs

Fixture	A Distance (inch)	B Distance (inch)
2ft	22.205	\
4ft	45.827	\
6ft	69.449	\
8ft	93.07	\

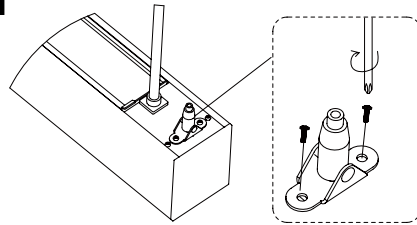
Drill the holes (Φ 3/16") according the distance above, install the plastic anchor to the holes.

3



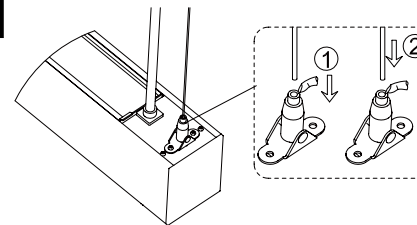
Install the aircraft into the ceiling holes.

4



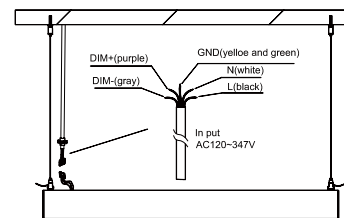
Lock the two steel wire rope pedestal on the fixture

5



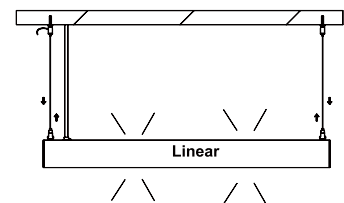
Press down the inner hole of the wire rope pedestal and pass the wire rope through the hole at the same time.

6



Wiring connect according the wire code

7



Pull aircraft cable through wire rope pedestal and adjust to desired height, and then finish the intallation.

Supension with canopy

12100-23-P-OP-PSCA-CRD7-(WH/BK)- Canopy with AC cable

K/O + 6.5ft Aircraft cable + 7ft 5pins AC cable

12100-23-P-OP-SCA-(WH/BK)- Canopy + 6.5ft aircraft cable

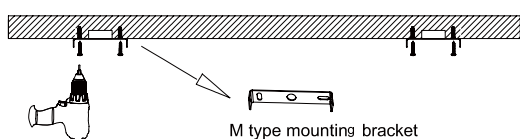
1



Fixture	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)
2ft	33.46	18.858	3.346	\	\
4ft	3.346	42.480	3.346	\	\
6ft	3.346	66.102	3.346	\	\
8ft	3.346	89.723	3.346	\	\

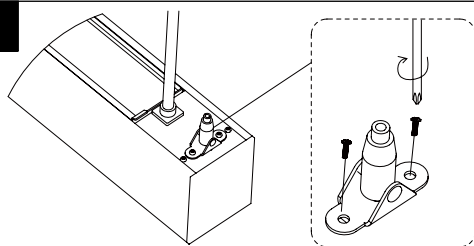
Drill the holes (Φ 3/16") according the distance above, install the plastic anchor to the holes.

2



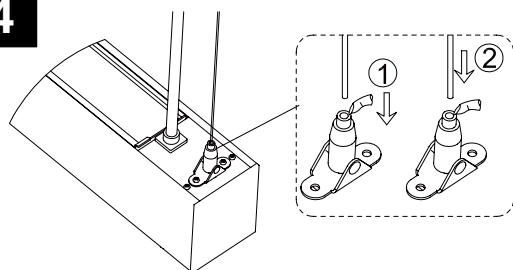
Install the M type mounting bracket

3



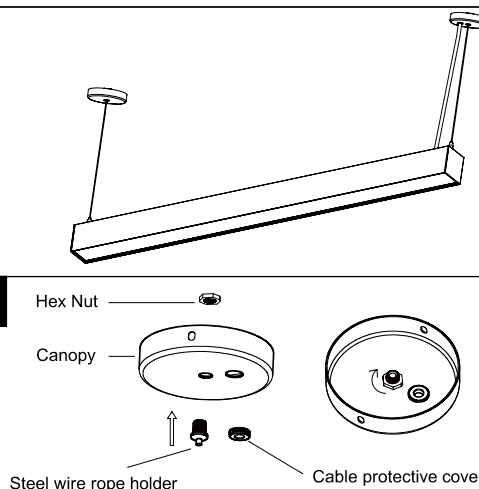
Lock the two steel wire rope pedestal on the fixture

4



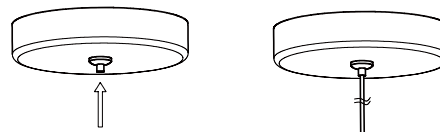
Press down the inner hole of the wire rope pedestal and pass the wire rope through the hole at the same time.

5



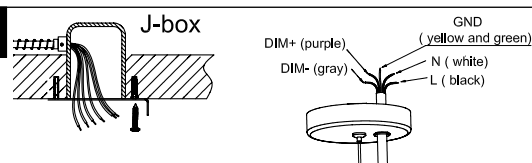
Insert steel wire rope holder into the middle hole of the canopy and tighten the steel wire rope holder with hex nut, clip the protectice cover into the side hole of the canopy.

6



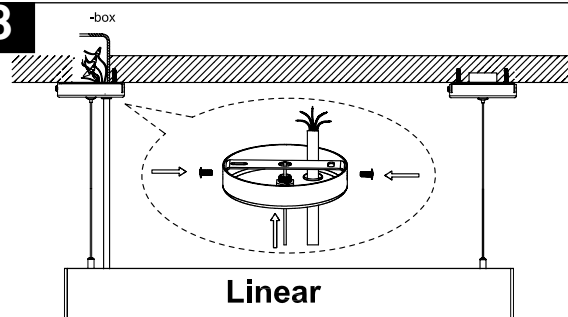
Press the holder and then pass the wire rope through the holder at the same time.

7



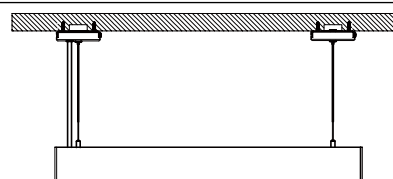
Wiring connect according the wire code

8



Wiring connect according the wire code

9



Pull aircraft cable through wire rope pedestal and adjust to desired height, and then finish the intallation.

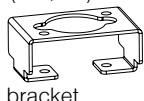
Pendant Mount

12100-23-P-OP-PMK-(WH/BK)- Pendant mount kit, suitable for OD threads 3/8" and 1/2" stem (stem and canopy not included)

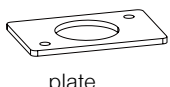
12100-23-P-OP-CRD7-(WH/BK)- 7ft 18AWG AC cable with connector

1 Part list:

12100-23-P-OP-PMK-(WH/BK)



bracket

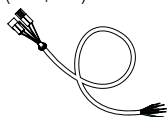


plate



screw

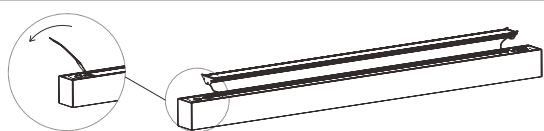
12100-23-P-OP-CRD7-(WH/BK)



Stem and canopy
(not provided)
(O.D. 3/4" or 1/2")

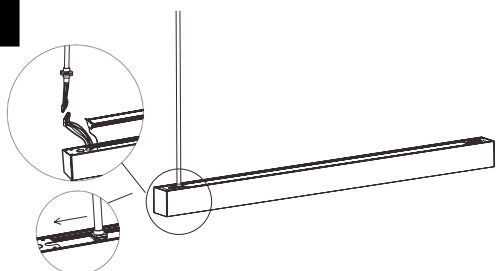


2



Open the cover by flat screwdriver

3



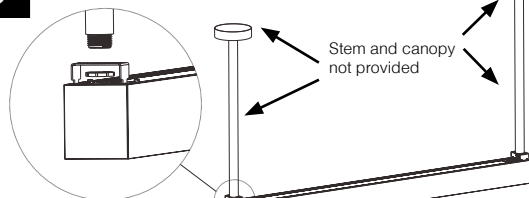
Connect the 12100-23-P-OP-CRD7 AC cable with the connector Insert the cable with the fixture Install the cover

4



Fixed both bracket on the fixtures

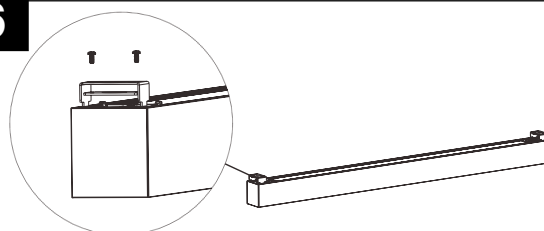
5



Stem and canopy
not provided

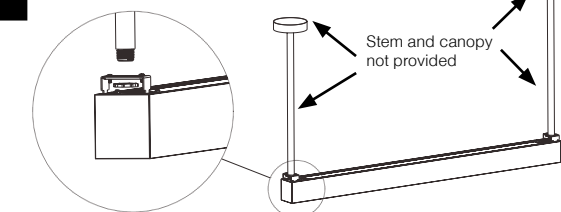
For 3/4" OD stem install
3/4" OD IPS stems (not provided) passes through the brackets
Locks the stems with the brackets using the panel nuts

6



Or for 1/2" OD stem install
add the plates under the brackets for 1/2" stems and lock it

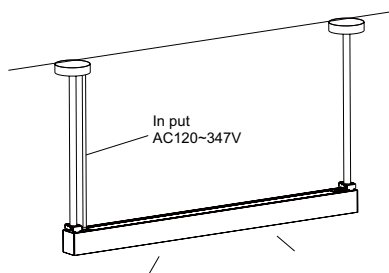
7



Stem and canopy
not provided

1/2" OD stem install
1/2" OD IPS stems (not provided) passes through the brackets
Locks the stems with the brackets using the panel nuts

8

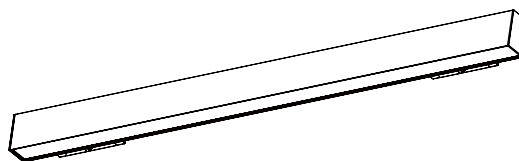


In put
AC120~347V

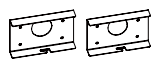
Check it and power on

Wall Mount B version

12100-23-P-OP-WMKB-(WH/BK)- Wall mount B version (Factory modification required)



1 Part list:



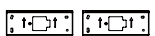
Bracket F for mount on fixture



Rivets for mount the bracket F



Anchor for wall mount



Bracket W for wall mount



Tapping screws for mount the bracket W

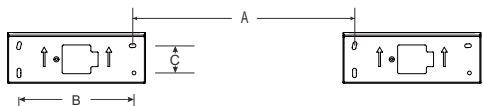


Screw for lock the bracket



Cover for covering the junction box if need

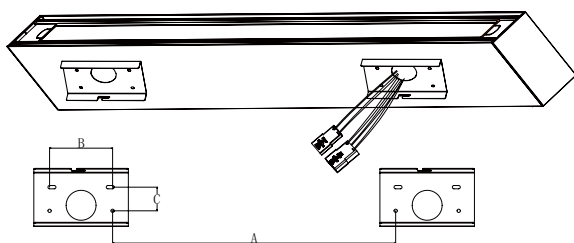
2



No.	Size	A(in)	B(in)	C(in)
1	2FT	4.72	6.32	1.5
2	4FT	28.35	6.32	1.5
3	6FT	51.97	6.32	1.5
4	8FT	75.59	6.32	1.5

Drill the holes on the wall according to the distances above, and fix the anchor and then install the bracket W on the wall by tapping screws.

3



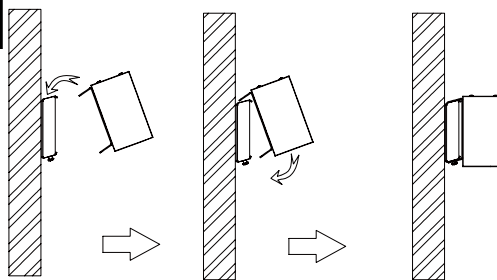
No.	Size	A(in)	B(in)	C(in)
1	2FT	7.87	3.15	1.18
2	4FT	31.5	3.15	1.18
3	6FT	55.12	3.15	1.18
4	8FT	78.74	3.15	1.18

Drill the holes on the fixture for install the bracket F and connect the power cord.

For power cord: Diameter 0.86" to 1.4".

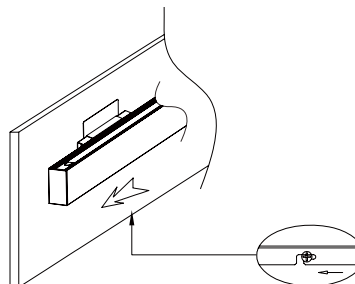
For install the bracekt F: Diameter 3/16", distances according to the A,B, C size.

4



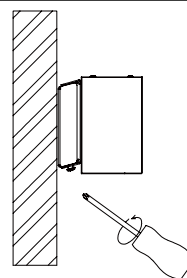
Install the bracket F and wiring the fixture with supply power.

5



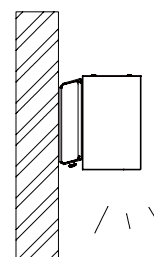
Hook the fixture on the bracket W, and push toward left.

6



Tighten the screw to lock the fixture on site.

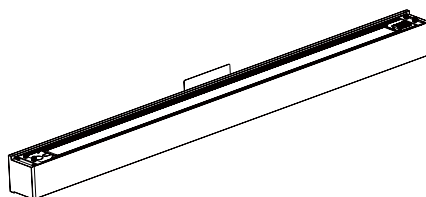
7



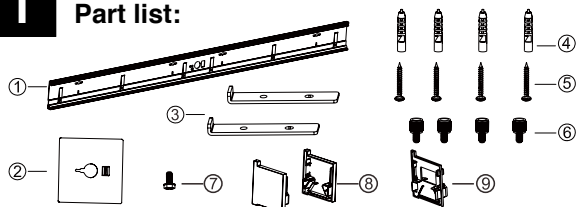
Finish installation and turn on the light

Wall Mount C version

12100-23-P-OP-WMKC-xFT-(WH/BK)- Wall mount C version

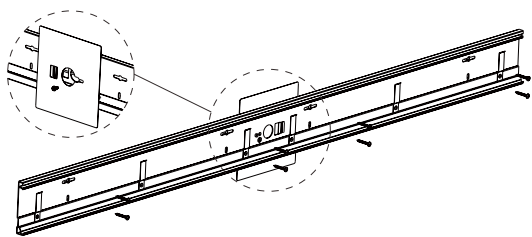


1 Part list:



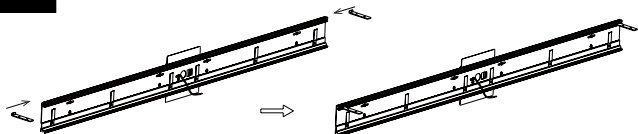
1	C Wall-mount Bracket	1PC
2	Square Decorative	1PC
3	L support	2PCS
4	Plastic Anchor	4PCS
5	Cross head tapping	4PCS
6	Hand screw	4PCS
7	Screw	1PC
8	End cap	2PCS
9	Linkable bracket	1PC

2



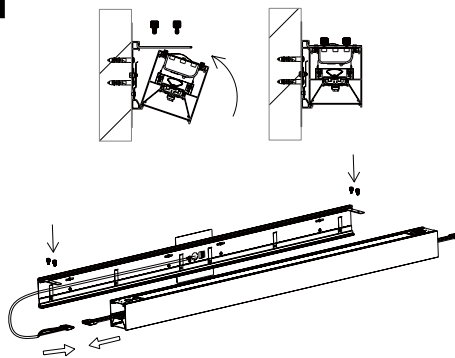
Drill the holes on the wall according to C wall-mount bracket, and fix the plastic anchor and then fit the bracket on the wall.

3



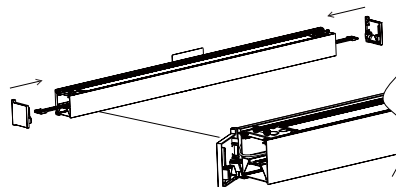
Push the L support bracket into the wall mount bracket.

4



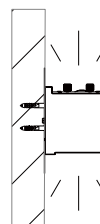
Connect the power cord with junction box and then put the fixture into the bracket and lock it with the bracket.

5



Install the end caps which provided by 12100-23-P-OP-WMKC-xFT-(WH/BK) (not the original caps that removed from fixture), make sure connect the power cord with the fixture and the cords at the correct place.

6

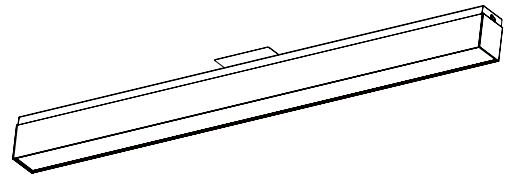


Finish installation and turn on the light

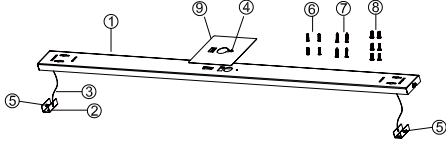
Surface Mount

12100-23-P-OP-SMK-xFT-(WH/BK)- Surface mount kit

12100-23-P-OP-CRD7-(WH/BK)- 7ft 18AWG AC cable with connector

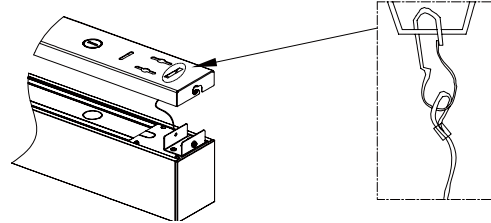


1 Part list:



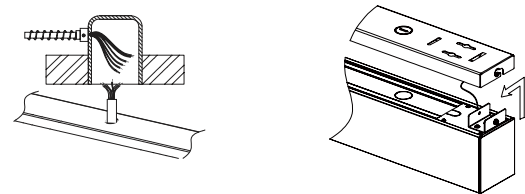
1	Surface Mount Bracket	1199*69*20mm (4ft)
2	Bracket 2	43*22.5*18mm
3	Safety cable	L=150mm
4	Round head pull nail	4*5mm
5	Countersunk head screw	PM4*10
6	Plastic Anchor	4*28mm
7	Cross head tapping screw	PA4*35M
8	Round head machine screws	PM4*8mm
9	Decorative plate	140*140mm T=0.6mm

4



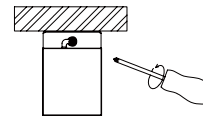
Hook the safety cable on the slot of the surface mount bracket.

5



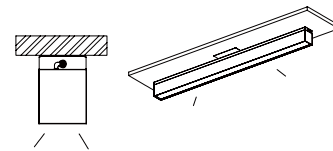
Connect the power cord, clear up the wires and safety cables, clip the fixture into the slot of surface mount bracket on two sides.

6



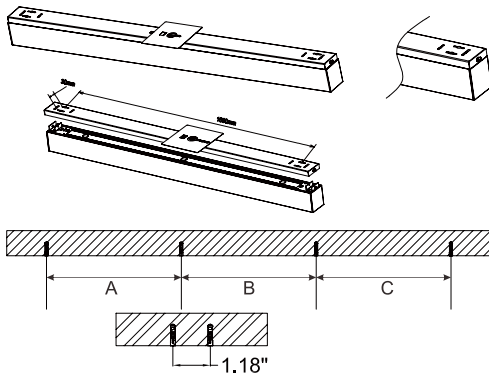
Fix the screws on two sides of the fixture.

7



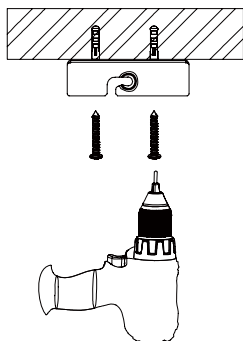
Finish installation and turn on the light

2



Drill the holes on the ceiling according to the distances above, and fix the plastic anchor (6) in the holes.

3



Install the decorative plate (9) with the surface mount bracket, fix the surface mount bracket (1) on the ceiling with tapping screw (7).

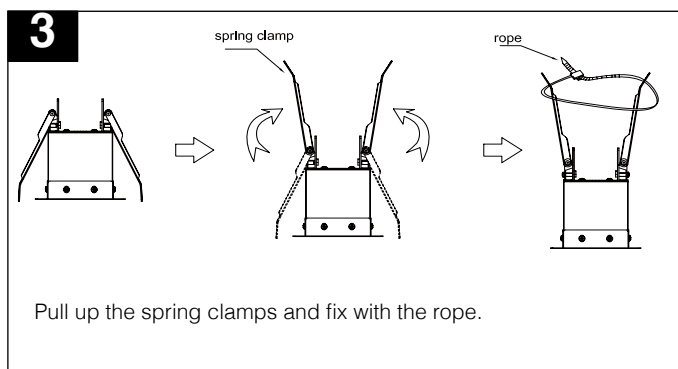
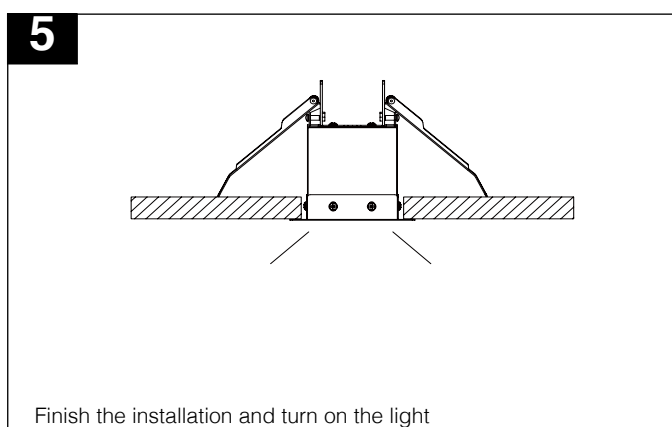
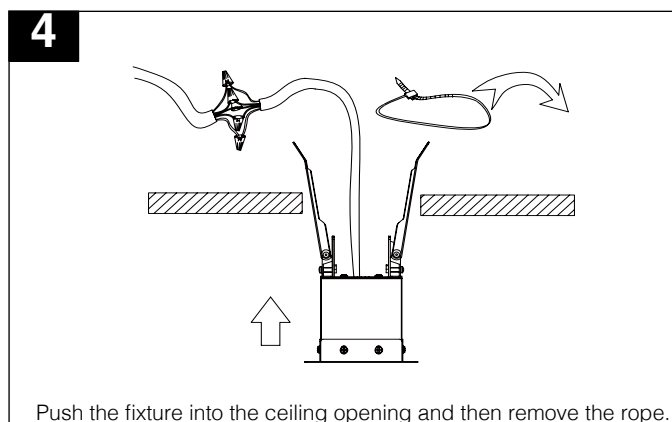
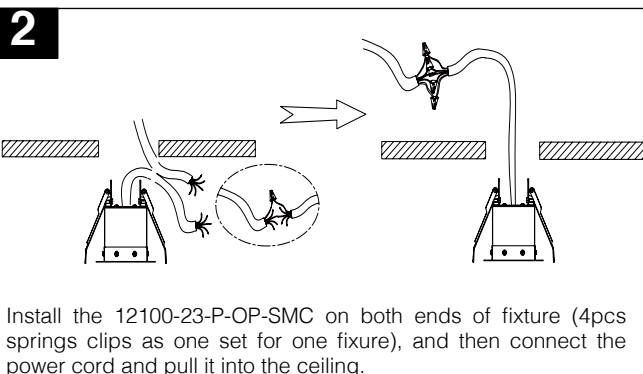
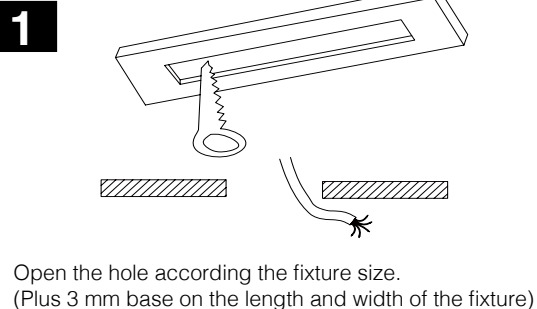
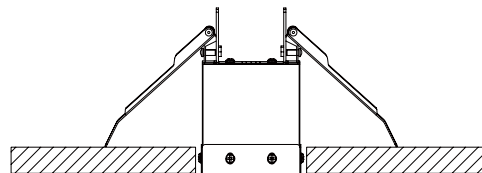
Springs Clip Recessed (Factory installed)

12100-23-P-OP-MS-C- Springs clips kit

12100-23-P-OP-TRIMS-xFT-(WH/BK)- Trims for recessed mount

(Required preinstall)

12100-23-P-OP-CRD7-(WH/BK)- 7ft 18AWG AC cable with connector

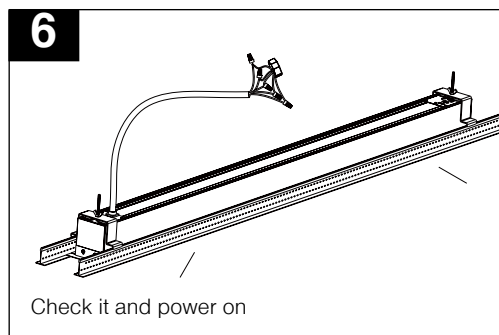
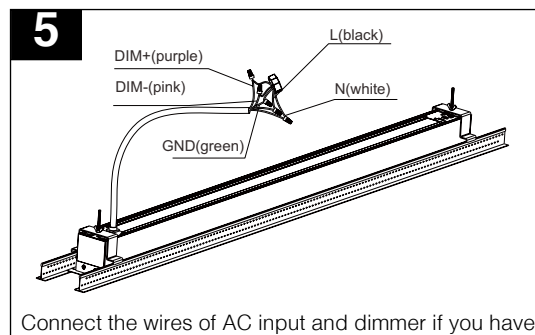
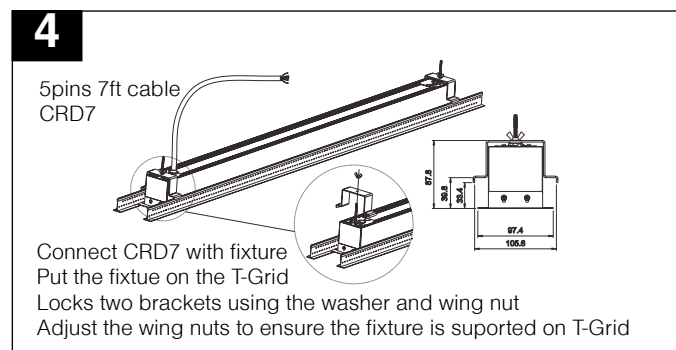
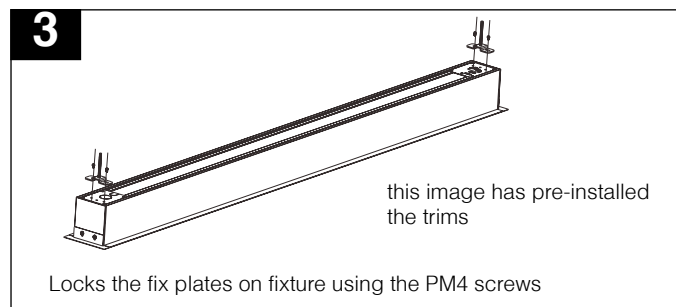
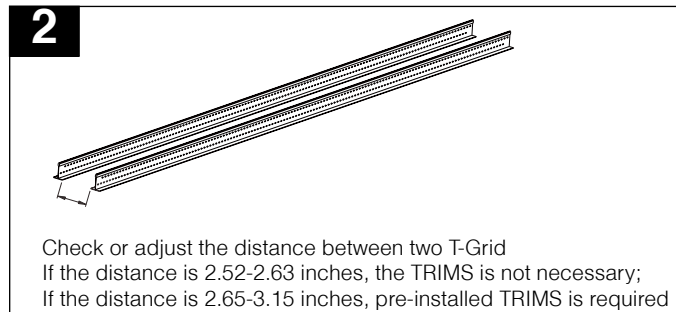
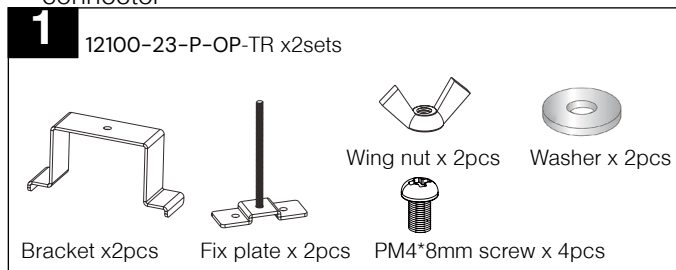
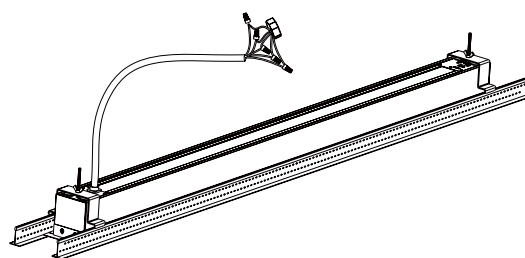


T-Bar Recessed

12100-23-P-OP-TR- T-bar recessed mount kit, trimless

12100-23-P-OP-TRIMS-xFT-(WH/BK)- Trims for recessed mount (optional and factory installed required)

12100-23-P-OP-CRD7-(WH/BK)- 7ft 18AWG AC cable with connector

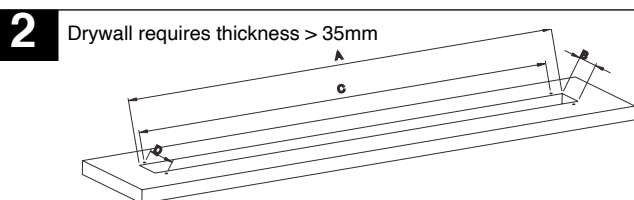
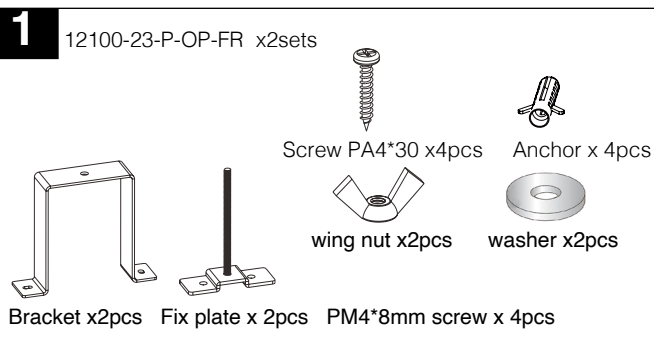
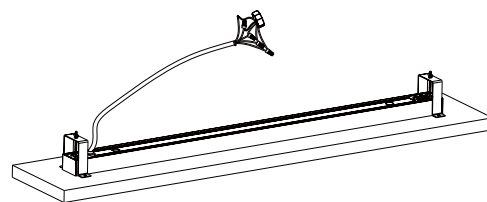


Frange Recessed

12100-23-P-OP-FR- Frange recessed mount kit

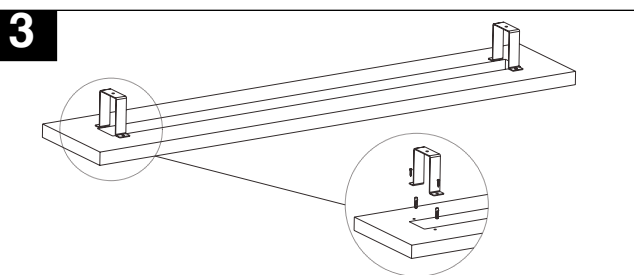
12100-23-P-OP-TRIMS-xFT-(WH/BK)- Trims for recessed mount
(optional and factory installed required)

12100-23-P-OP-CRD7-(WH/BK)- 7ft 18AWG AC cable with connector

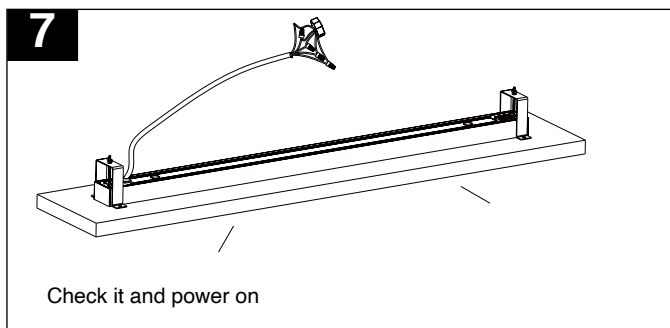
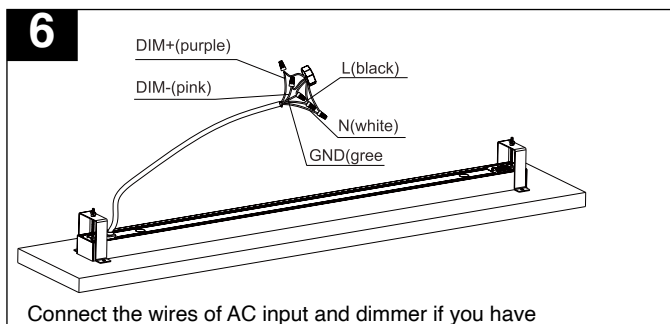
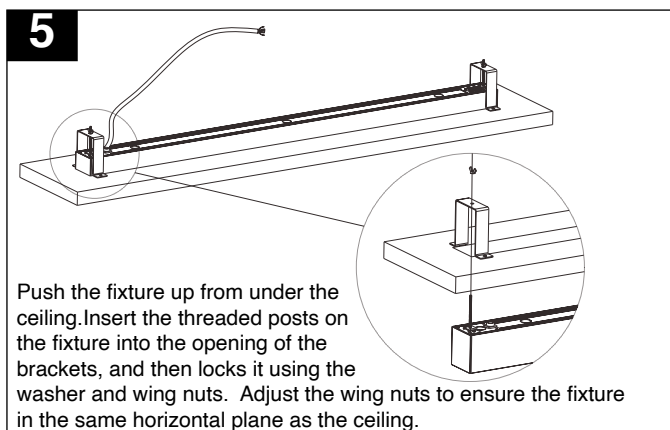
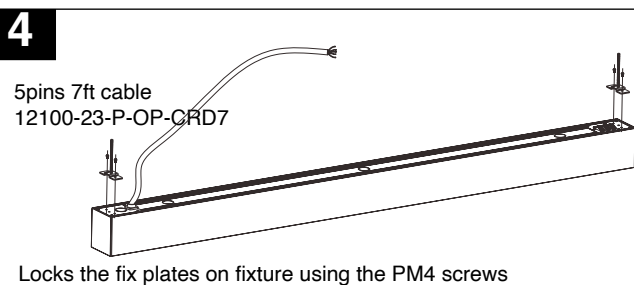


Suggest hole size						
No.	Fixture	Fixture size (MM)	A(MM)	B(MM)	C(MM)	D(MM)
1	2FT	606*70*80	608	72	564	98
2	4FT	1206*70*80	1208	72	1164	98
3	6FT	1806*70*80	1808	72	1764	98
4	8FT	2406*70*80	2408	72	2364	98

Rectangular holes reserved on the ceiling according to the requires (A*B)
Drill 4 holes on drywall for the bracket according to the "C" and "D" size



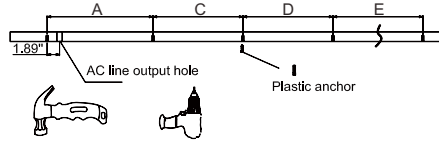
Lockes the brackets on site using the wall anchor and PA4 screws



Linking installation

12100-23-P-OP-ZCN-xFT- Including link bracket and extra internal 5 pins wires

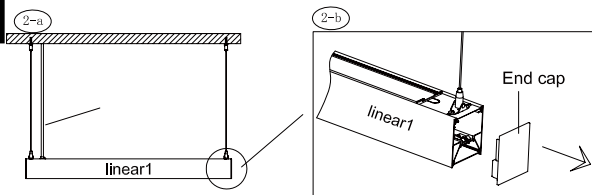
1



No.	Size	A(in)	B(in)	C(in)	D(in)	E(in)	Remark
1	2FT	22.205	1.417	22.205	1.417	22.205	3pcs linkable diagrammatic drawing
2	4FT	45.827	1.417	45.827	1.417	45.827	3pcs linkable diagrammatic drawing
3	6FT	69.449	1.417	69.449	1.417	69.449	3pcs linkable diagrammatic drawing
4	8FT	93.071	1.417	93.071	1.417	93.071	3pcs linkable diagrammatic drawing

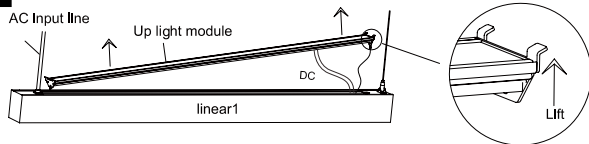
Measure and make down the positions according the distances above, and then install the first linear light as suspension mount.

2



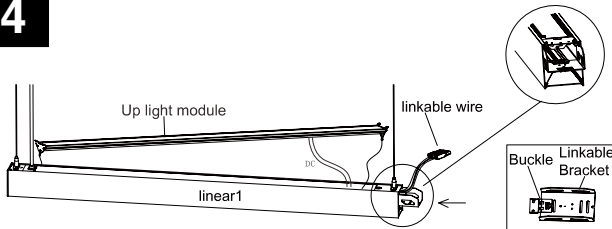
Remove one end cap as show on 2-b image.

3



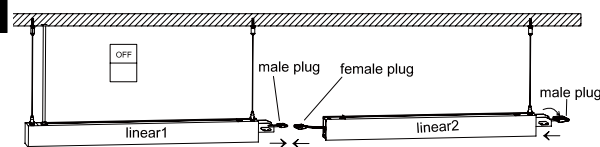
Lift up the up-light module as image above.

4



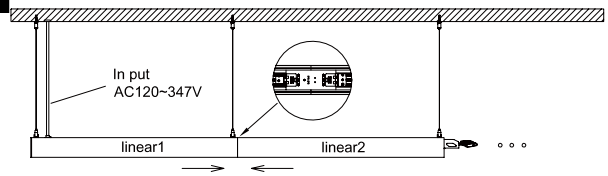
Put the linkable bracket into the linear 1 and push it and lock with the buckle inside, pull out the linkable wire from linear 1.

5



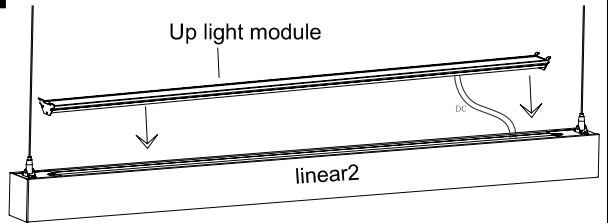
Remove the end caps of linear light 2 and connect the linkable wire with linear light 1, and then insert the linear light 2 to the bracket, make them fix together seamlessly.

6



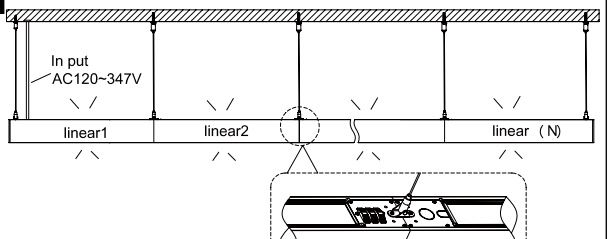
Check the status after linked to make sure no any gap between two fixtures.

7



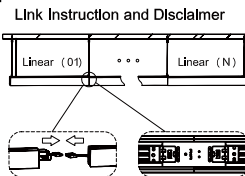
Check the male and female connectors are securely connected, and then install the up light module (or cover).

8



Install more linear light as the steps above, and rounding adjust the steel wire rope in the same height. Power on to check it.

9



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, $N \cdot P \leq 960W$
Input voltage = 347V, $N \cdot P \leq 1200W$
Note: N = Qty of linkable fixtures,
P = Wattage per fixture

Note: Maximum wattage per run with the power cord.