Installation Instruction

⚠ WARNING

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- For the installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

⚠ WARNING

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- All wiring connections should be capped with UL approved wire connectors.

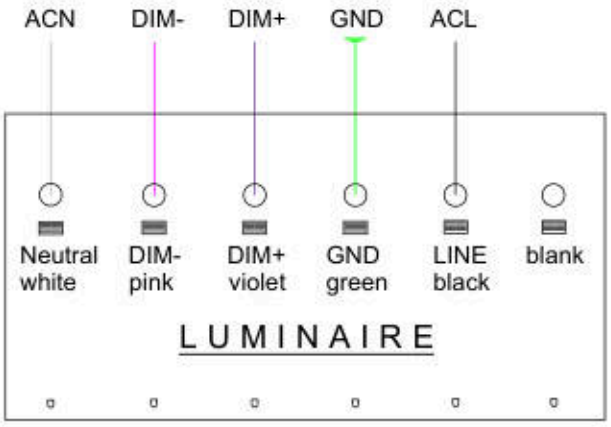
⚠ CAUTION

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.
- Risk of burn. Disconnect power and allow fixture to cool before changing bulb or handing fixture.

NOTICE: Green ground screw provided in proper location.Do not relocate.
NOTICE: Minimum 90°C supply conductors.
NOTICE: Specifications and dimensions subject to change without notice.
NOTICE: Suitable for Dry or Damp location

General Wiring Diagram

Cord/Supply Wiring



⚠ CAUTION

MUST connect wires with corresponding colors.

Installation Instruction

Fixture Power Cord Installation

1. Remove wiring Plate A and B.(fig. a)
2. Snap Power cord sheath onto plate B. Connect the male plug on the power cord to the female socket inside the fixture.(fig. b)
3. Tighten the 2 lock-screws on the male plug with flat-head screwdriver.(fig. c)
4. Reattach Plate A & B to fixture body.(fig. d)
5. Power cord installation completed.(fig. e)

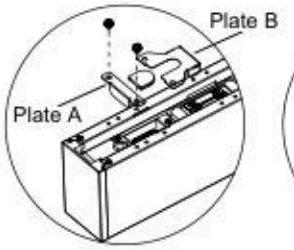


fig. a

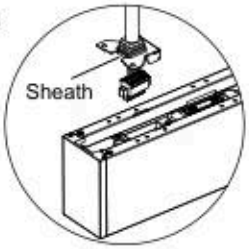
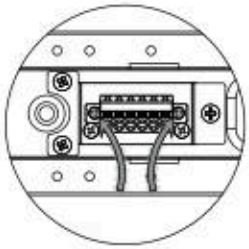
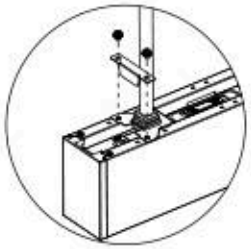
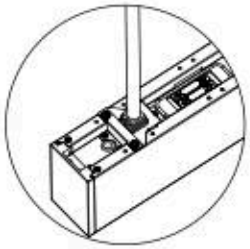


fig. b

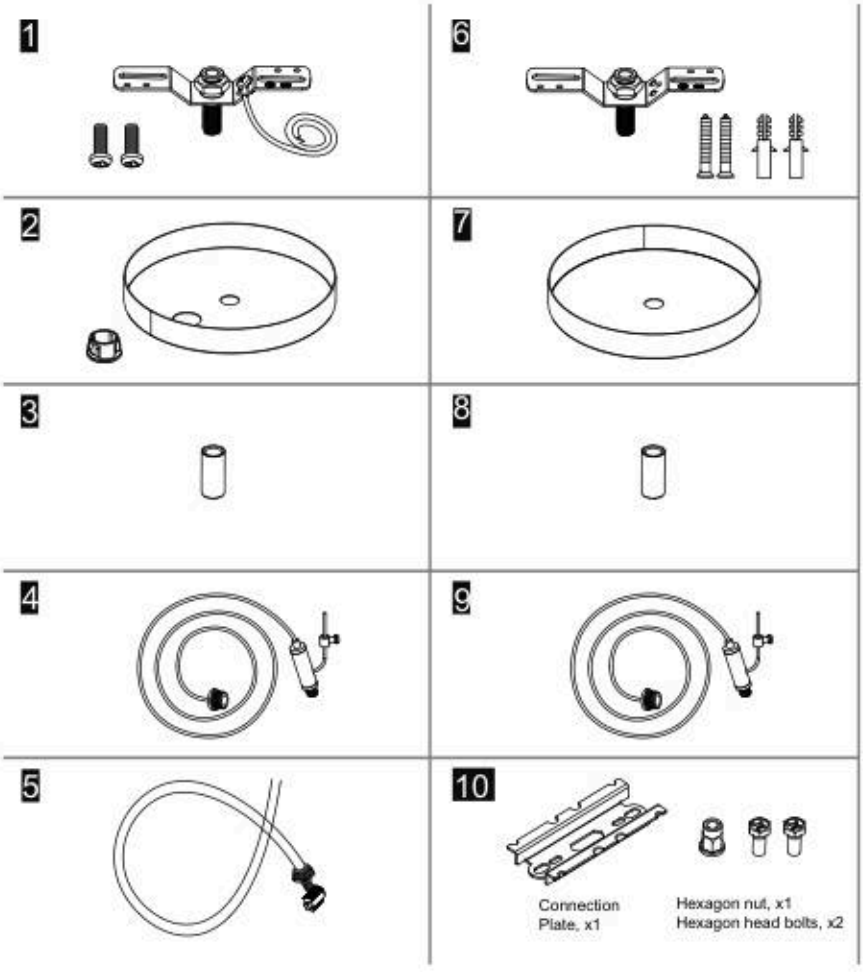

fig. c


fig. d


fig.e

Suspension mount kit

Power-Feed Suspension Kit



Non-Feed Suspension Kit

Power-Feed Suspension Kit Part list:

No.	Part	Qty.
1	Cross-bar with GND wire, screw	1
2	4.3" Power-feed canopy, Grommet	1
3	Treaded sleeve	1
4	Suspension cable, height-adjustable	1
5	Power cord	1

Non-Feed Suspension Kit Part list:

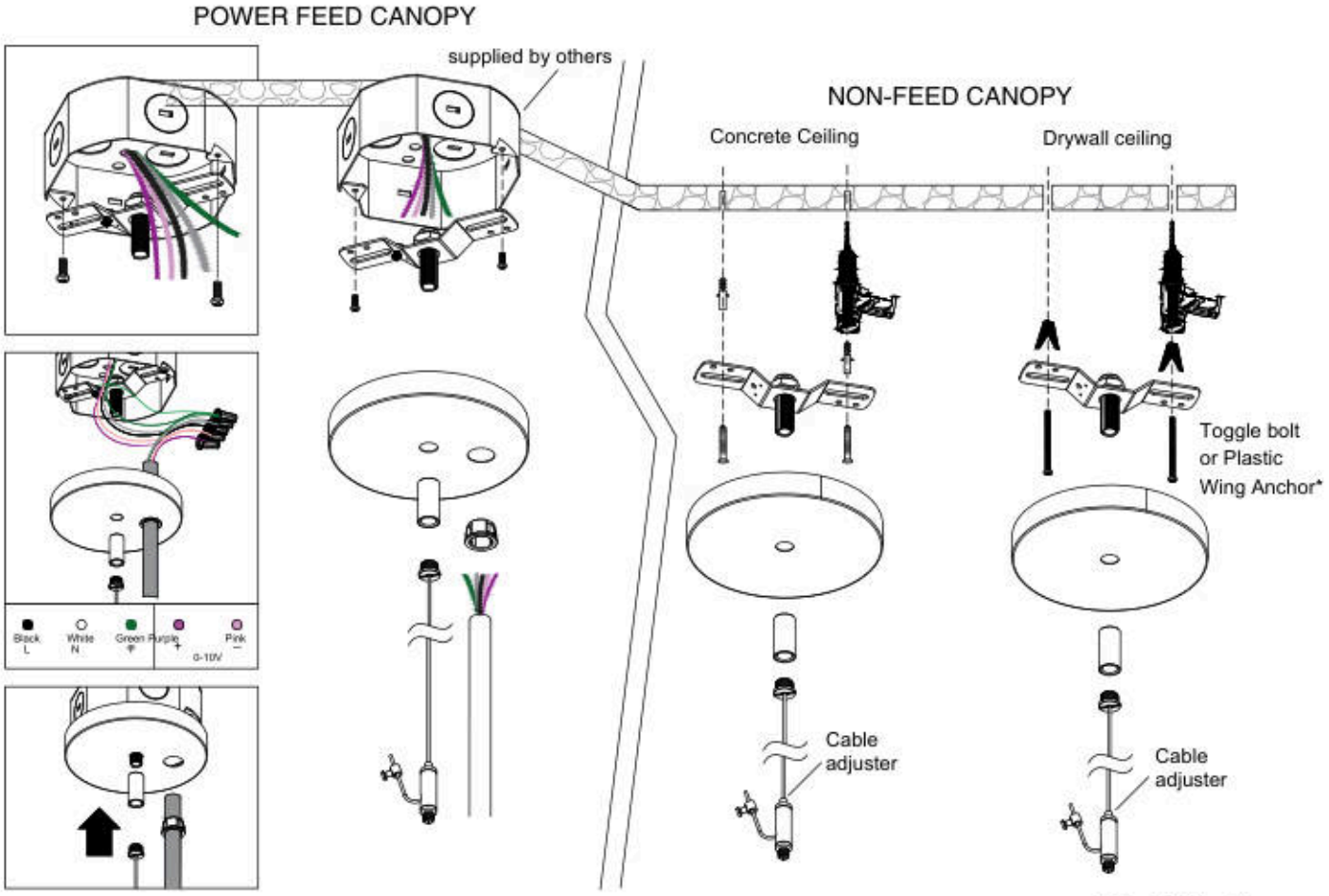
No.	Part	Qty.
6	Cross-bar, Anchor, Screw	1
7	4.3" Non-feed canopy	1
8	Treaded sleeve	1
9	Suspension cable, height-adjustable	1
10	Connection kit*	1

*Required in any type of connection application

Installation Instruction

Suspension mount

Notice: Always turn off the power supply from main circuit breaker before installing or maintaining fixture.

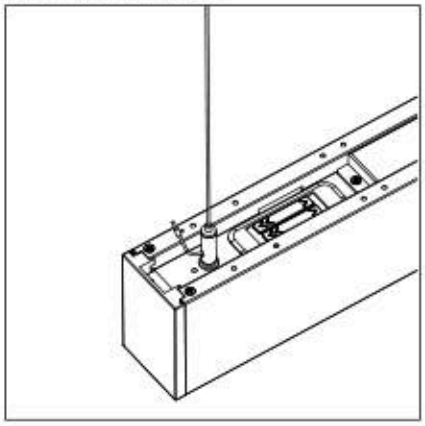


When no 0-10V dimming system is required, isolate the purple /pink wire using a compliant terminal.

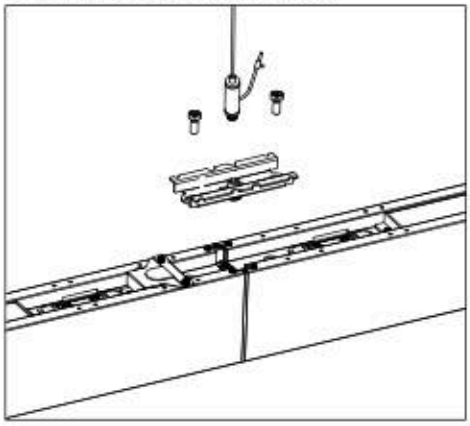
* Supplied by others

How to hang the fixture?

Independent pendant



Pendant at connection position



Installation Instruction

Independent installation, pendant mount

Fig. 1

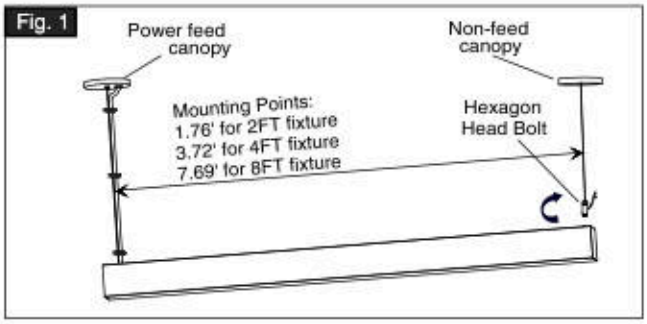
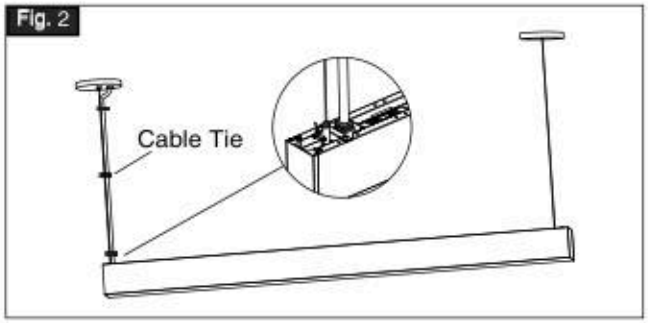


Fig. 2



Line Connection

Notice: Always turn off the power supply from main circuit breaker before installing or maintaining fixture.

1.Install cross-bar and Non-feed canopy to the ceiling after positioning refer to the dimensions in Fig 7. (Fig.3)
2.Hang one end of Fixture B firmly. Remove the end-caps and diffusers of the 2 fixtures. (Fig. 4)

Fig. 3

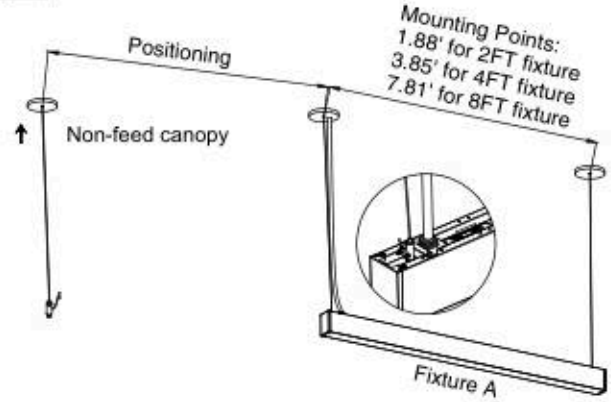
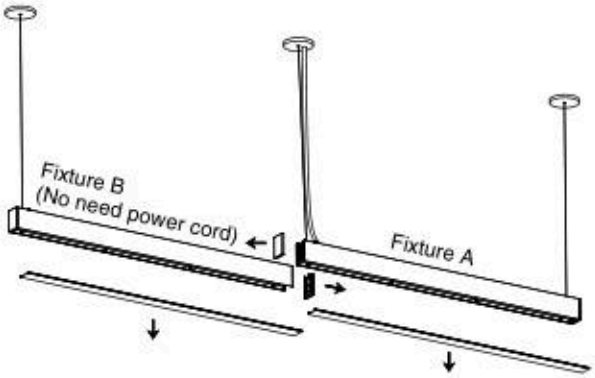


Fig. 4



3. Align Fixture B to Fixture A, press to interlock the 2 fixtures in a line. (Fig. 5)
4. Remove the cable bolt hung on the Fixture A. (Fig. 6a & 6b)
5. Install the center hexagon nut to the connection plate.Then, align the connection plate with the positioning holes and secure it with 2 hexagon head bolts. Hang the combination with the cable bolt just removed. (Fig. 6c & 6d)
6. Adjust to desired height. (Fig. 6e)

Fig. 5

WARNING: All other fixtures must remain disconnected to the power supply during the assembly process.

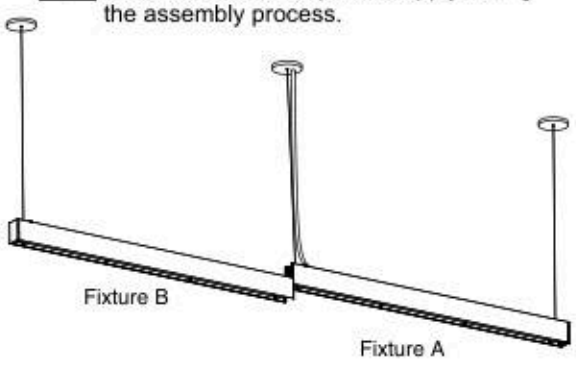


Fig. 6

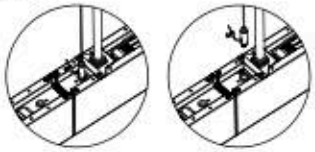


Fig. 6a Fig. 6b

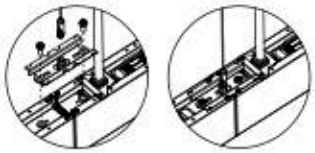


Fig. 6c Fig. 6d

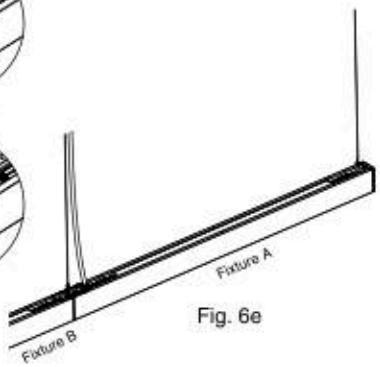
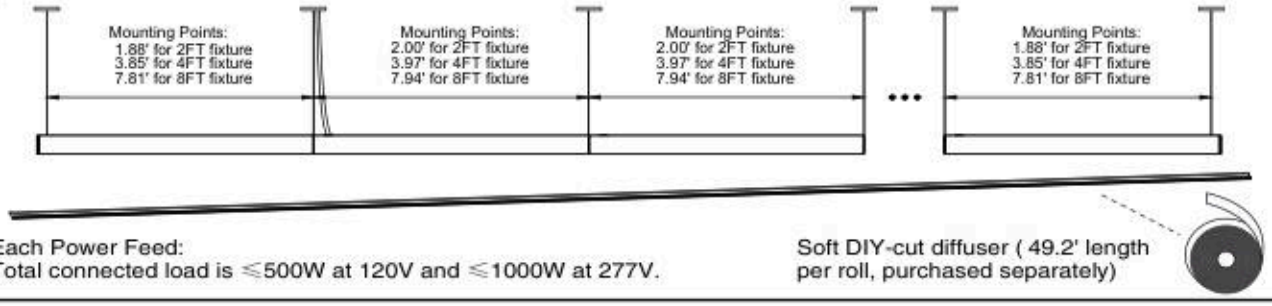


Fig. 6e

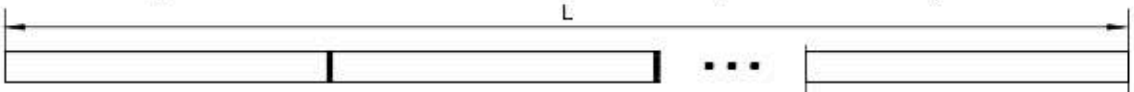
Installation Instruction

7. Repeat above installation steps to make continuous run. Cut the soft lens into a suitable length(refer to Diffuser Length Calculator) , and install it to the channel of the fixture housing.

Fig. 7



Diffuser Length Calculator for seamless continuous run (Line connection)

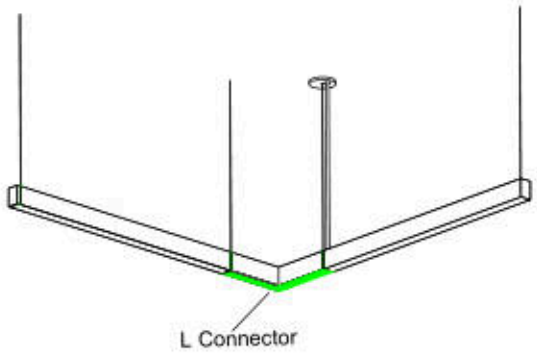


$L = 611*N_2 + 1211xN_4 + 2419xN_8$

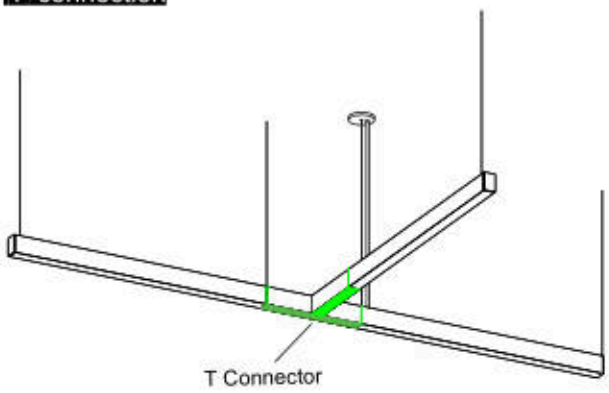
N_2 =2ft fixture Qty.
N_4 =4ft fixture Qty.
N_8 =8ft fixture Qty.

Multiple connection methods

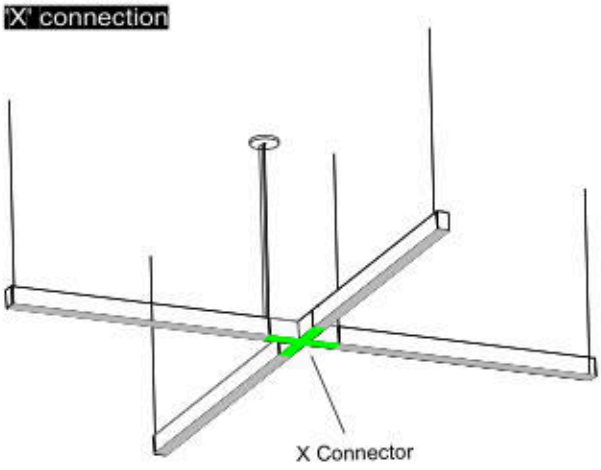
'L' connection



'T' connection



'X' connection



Max. No.* of each Power feed

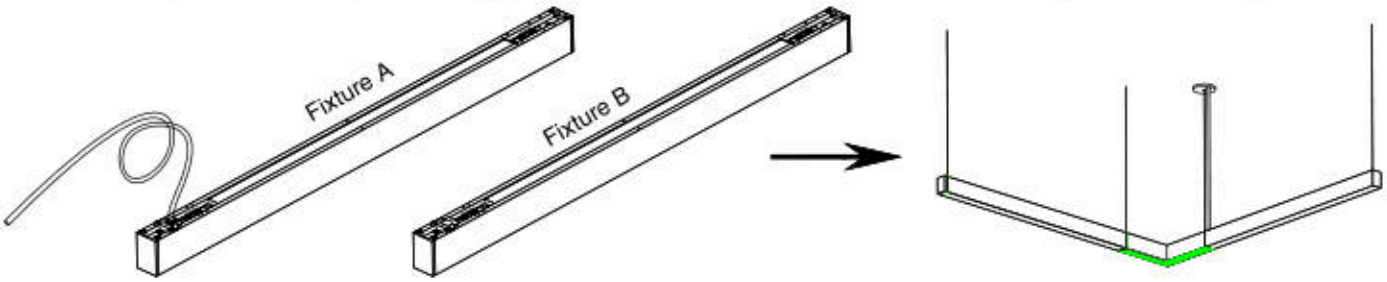
Size/Power	AC 120V	AC 277V
2FT/20W	24 Pcs	48 Pcs
4FT/40W	12 Pcs	24 Pcs
8FT/80W	6 Pcs	12 Pcs

Total connected load is ⩽550W at 120V and ⩽1100W at 277V which include connectors.

Installation Instruction

L Shape Connection

Notice: Always turn off the power supply from main circuit breaker before installing or maintaining fixture.



1. Hang fixture A to the ceiling after positioning, remove endcap and diffuser. (Fig. 8)
2. Press and lock the 'L' connector to fixture A after removing the connector lens. Ensure the connector housing align to the fixture housing.(Fig. 9)

Fig. 8

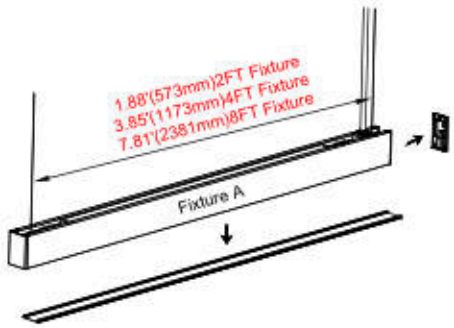
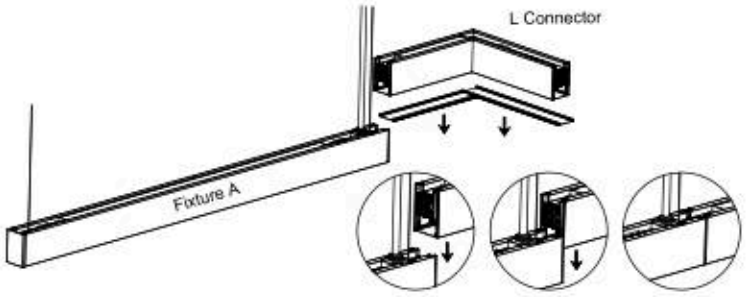


Fig. 9

WARNING: All other fixtures must remain disconnected to the power supply during the assembly process.



3. Remove the cable bolt hung on the Fixture A (Fig. 10a). Install the center hexagon nut to the connection plate. Then, align the connection plate with the positioning holes and secure it with 2 hexagon head bolts. (Fig. 10b). Hang the combination with the cable bolt just removed and adjust to desired height.(Fig. 10c &10d)
4. Hang one end of Fixture B firmly to the ceiling after positioning. Remove the end-cap and diffuser of fixture B. Press and lock the fixture B to the 'L' connector. Ensure the fixture B housing align to connector housing (Fig.11).
5. Secure the connection plate to the fixture B and 'L' connector (Fig. 11a). Hang the 'L' combination and adjust to desired height.

Fig. 10

Fig. 10a

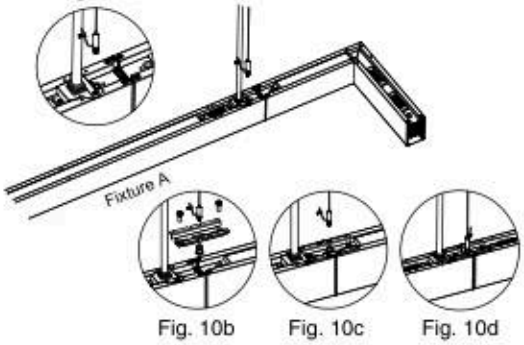


Fig. 10b Fig. 10c Fig. 10d

Fig. 11

WARNING: All other fixtures must remain disconnected to the power supply during the assembly process.

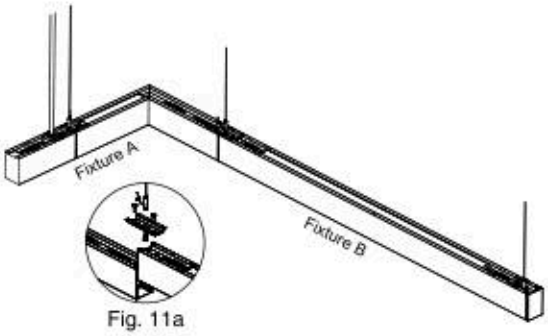
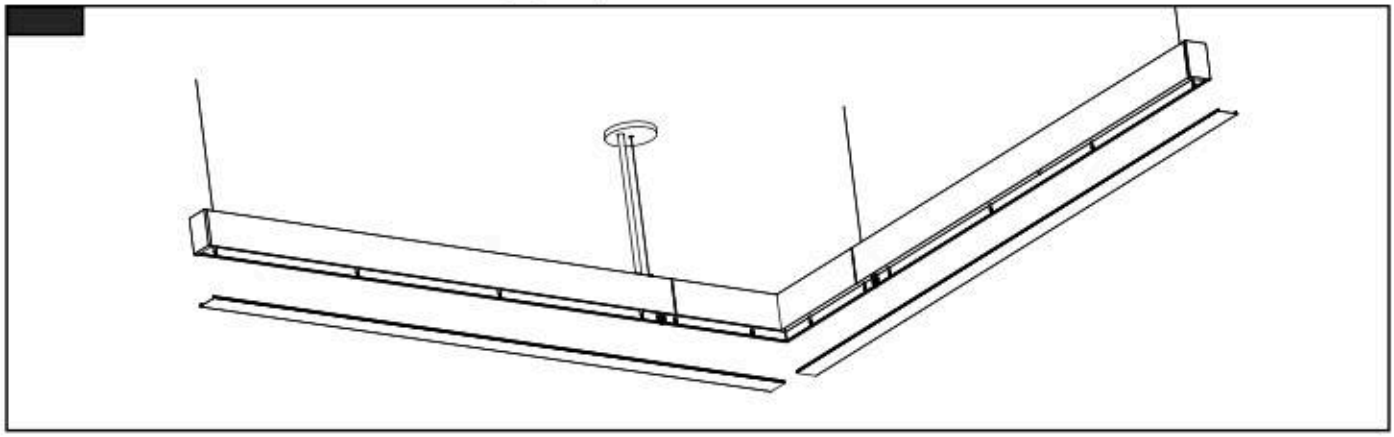


Fig. 11a

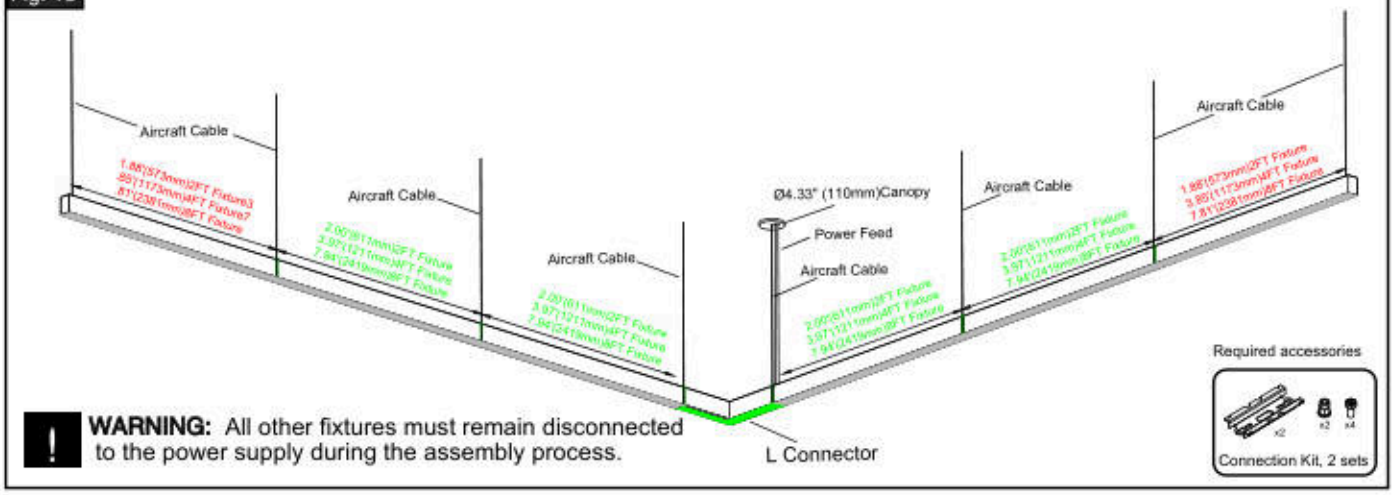
Installation Instruction

6. Install lens to fixtures and 'L' connector.(Fig. 12)



'L' shape continuous run

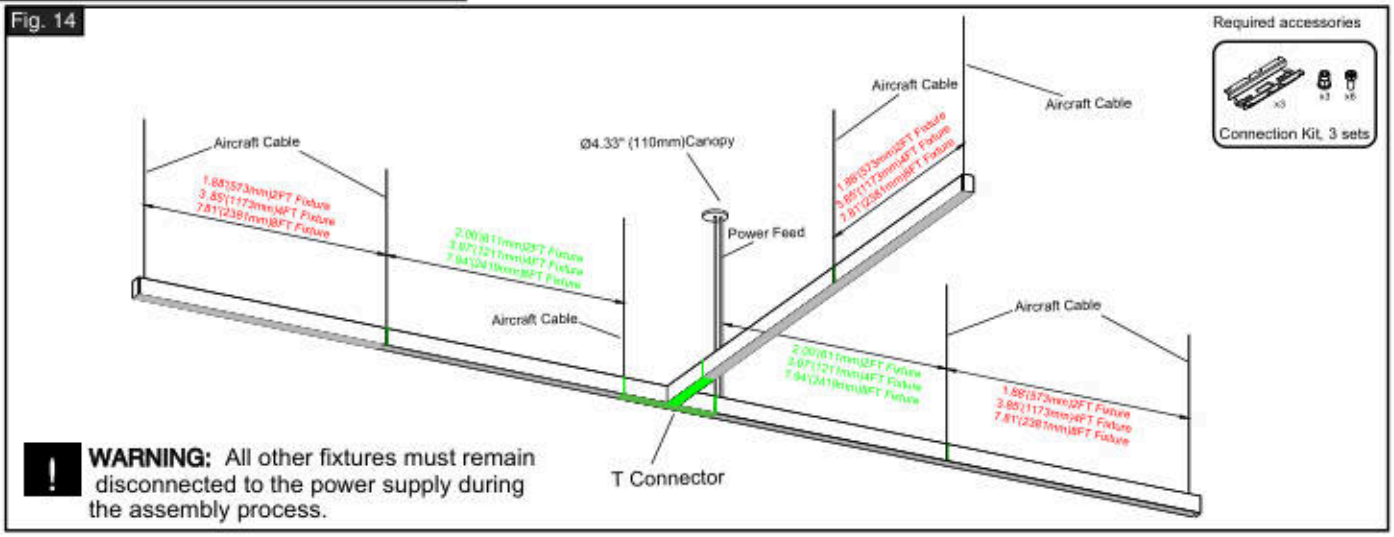
Fig. 13



WARNING: All other fixtures must remain disconnected to the power supply during the assembly process.

'T' shape continuous run

Fig. 14

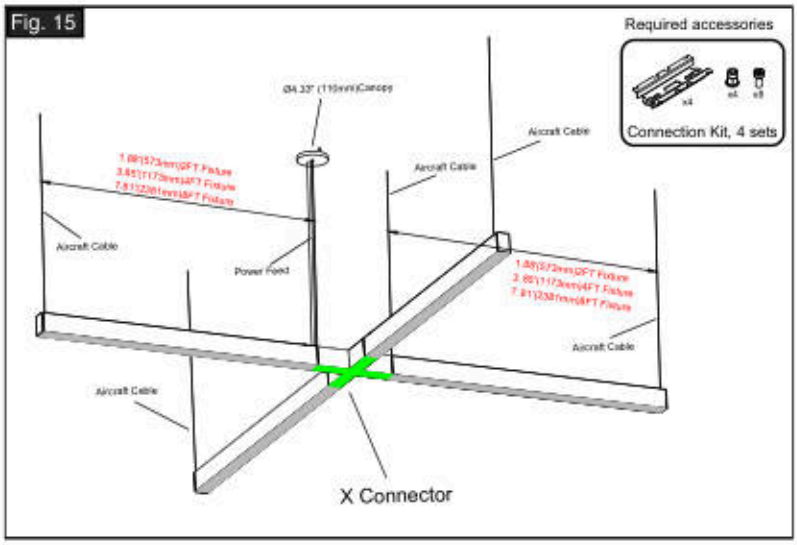


WARNING: All other fixtures must remain disconnected to the power supply during the assembly process.

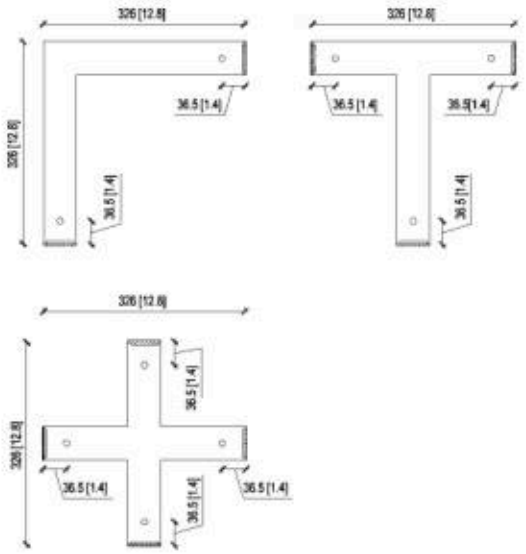
Installation Instruction

'X' shape continuous run

Fig. 15



Connector dimensions

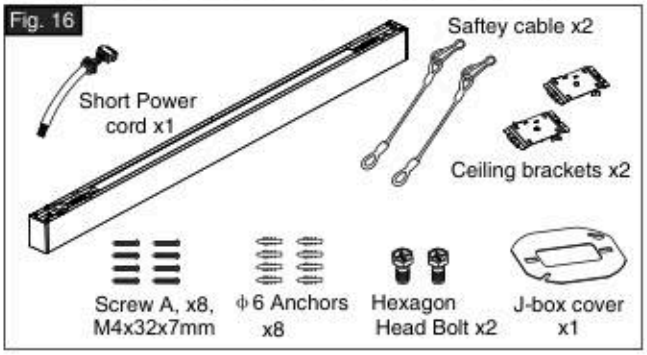


Surface mount

Notice: Always turn off the power supply from main circuit breaker before installing or maintaining fixture.

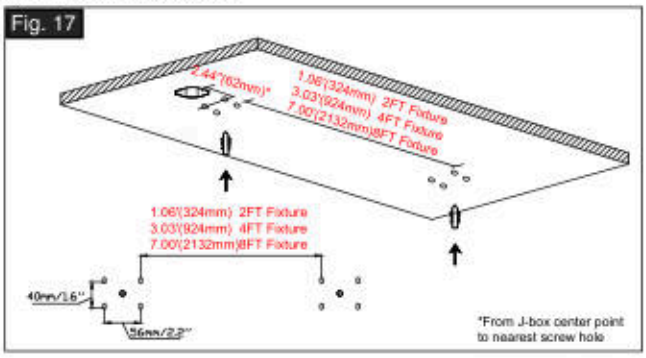
1. Take out the fixture and accessories from packaging and inspect for any damages. Connect the provided short power cord to the fixture before installation.

Fig. 16



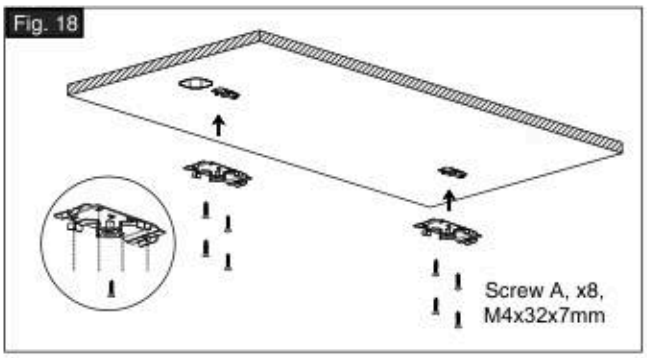
2. Position using the junction box as reference point and drill holes in the ceiling using brackets as a ruler, then install anchors.

Fig. 17



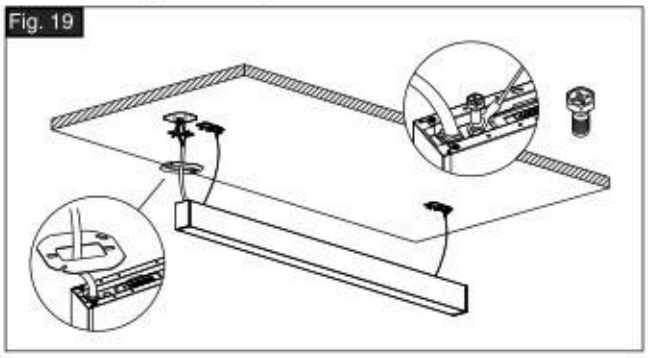
3. Fix the brackets to the ceiling with provided screw A.

Fig. 18



4.Fix safty cable to the fixture back with Hexagon Head Bolt. Hang the safety cables to the brakets. Pass power cord through the provided J-box cover-plate and make wiring to Main power.

Fig. 19



Installation Sheet Part 1 of 2 (pages 1-8 of 15). Continued in Part 2 of 2: https://ilighting.com/content/wsd-10-80w-architecture-5cct-installation-sheet-part-2-of-2.pdf