

INSTALLATION INSTRUCTIONS

PT-ALP SERIES

PT-ALP-2F-20W-5C4P / PT-ALP-4F-40W-5C4P / PT-ALP-8F-80W-5C4P

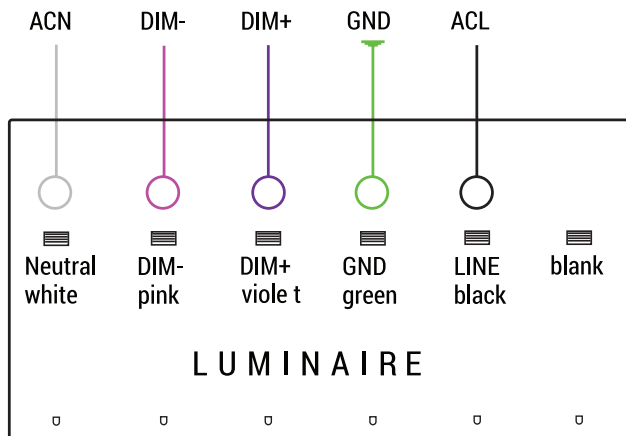
PORTOR
LIGHTING
a PORTOR INDUSTRY brand



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.

GENERAL WIRING DIAGRAM



CAUTION

MUST CONNECT WIRES WITH CORRESPONDING COLORS

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)

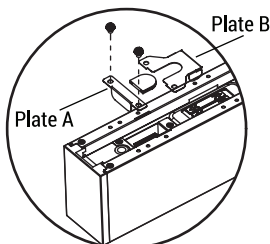


Fig. A

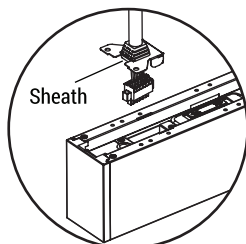


Fig. B

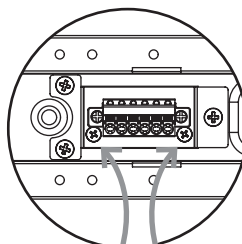


Fig. C

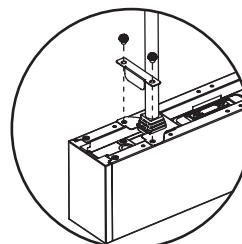


Fig. D

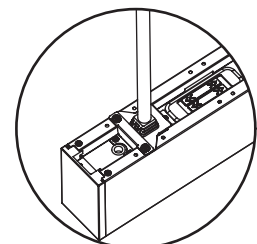


Fig. E

CONSULT A QUALIFIED ELECTRICIAN BEFORE INSTALLING

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.

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

MAX. NUMBER OF EACH POWER FEED

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

SIZE/POWER	AC 120V	AC 277V
2F / 20W	24 pcs	48 pcs
4F / 40W	12 pcs	24 pcs
8F / 80W	6 pcs	12 pcs

INSTALLATION INSTRUCTIONS

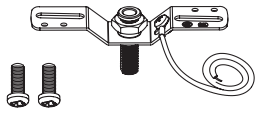
PT-ALP SERIES

PT-ALP-2F-20W-5C4P / PT-ALP-4F-40W-5C4P / PT-ALP-8F-80W-5C4P

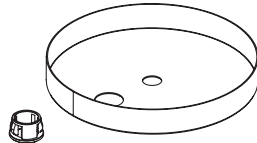
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PENDANT MOUNT KIT (PMK)

Power-Feed Pendant Kit



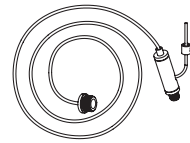
Cross-bar with GND wire, screw



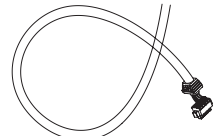
Power-feed canopy, grommet



Threaded sleeve

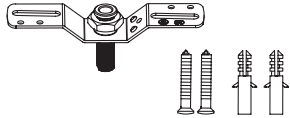


Suspension cable, height-adjustable

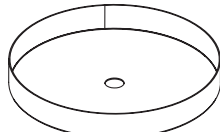


Power cord

Non-Feed Pendant Kit



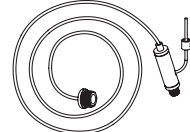
Cross-bar, anchor, screw



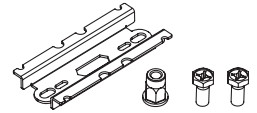
Non-feed canopy



Threaded sleeve



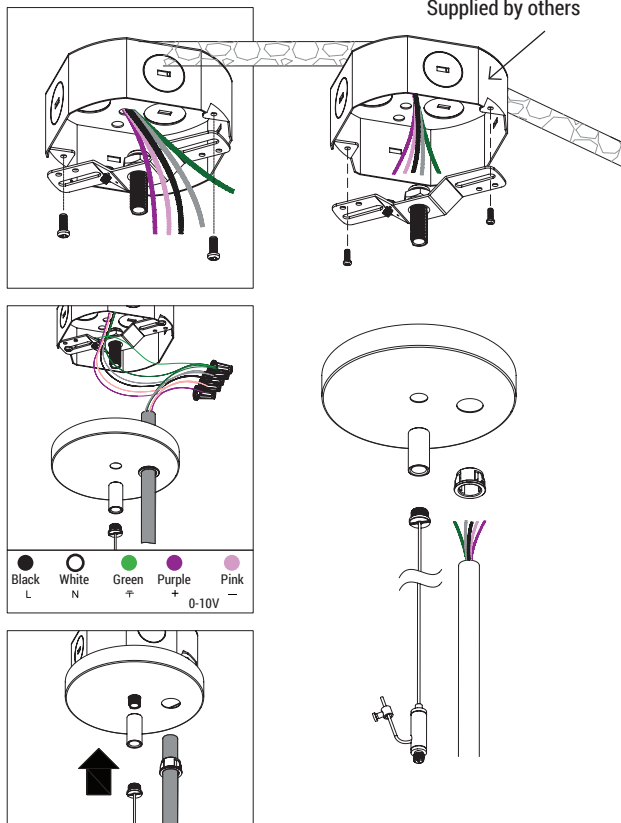
Suspension cable, height-adjustable



Connection kit
(Required in any type of connection application)

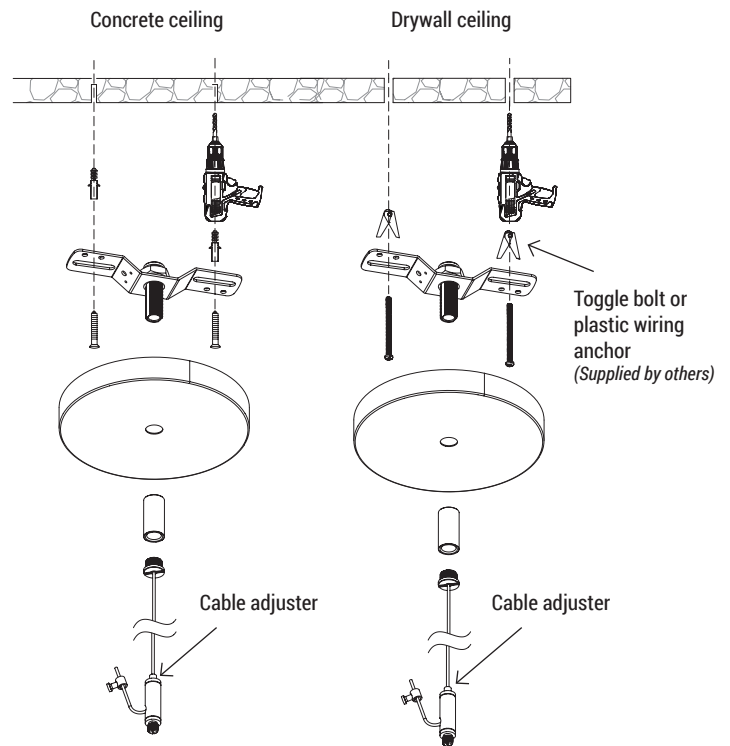
PENDANT MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

Power-Feed Canopy



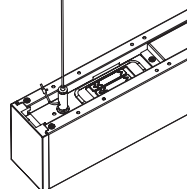
When no 0-10V dimming system is required, isolate the purple /pink wire using a compliant terminal.

Non-Feed Canopy

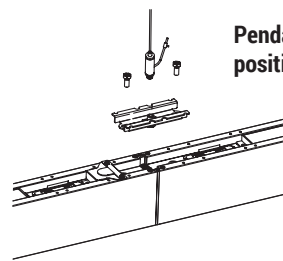


Ways for hanging the fixture

Independent pendant



Pendant at connection position



PENDANT MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

INDEPENDENT INSTALLATION

Power-feed canopy

Non-feed canopy

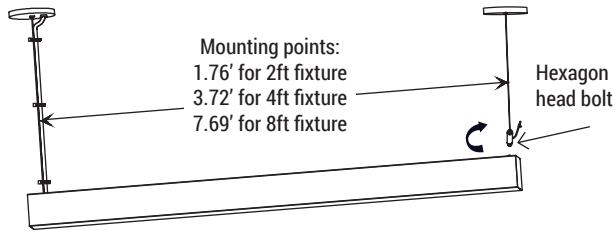


Fig. 1

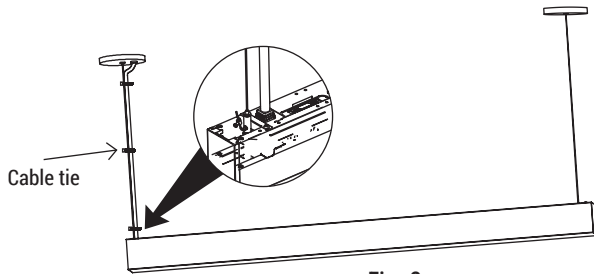


Fig. 2

LINE CONNECTION

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

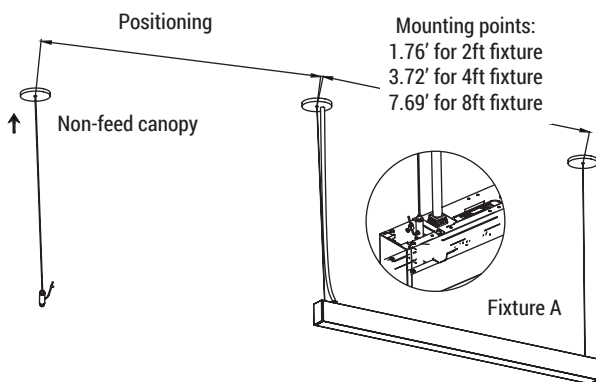


Fig. 3

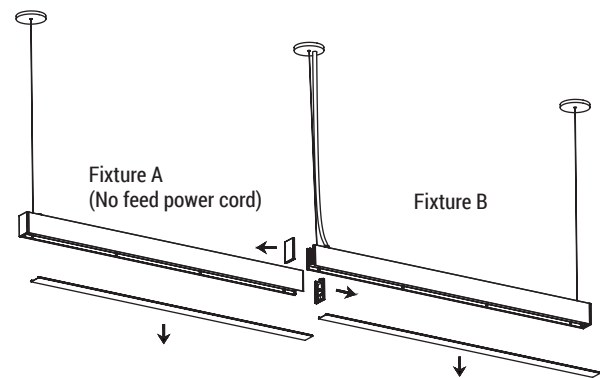


Fig. 4

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)

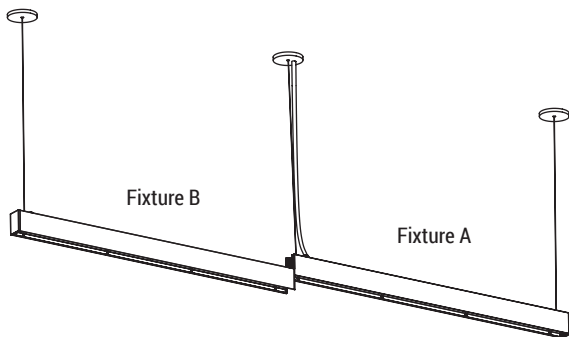


Fig. 5

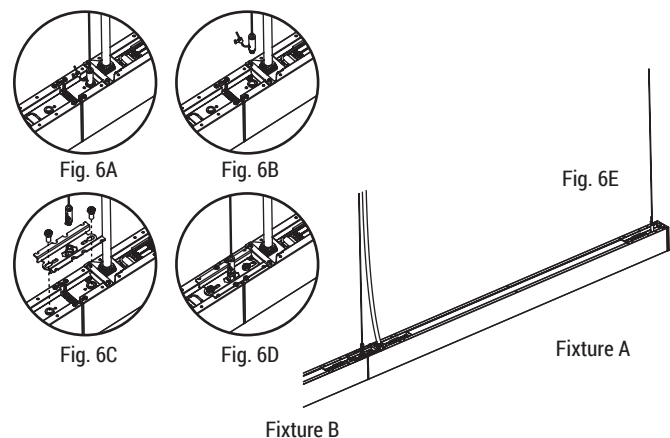


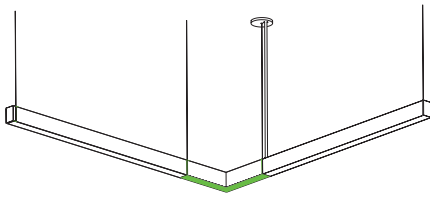
Fig. 6

WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

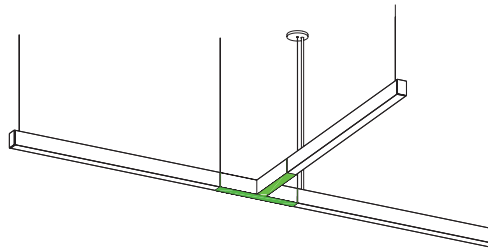
PENDANT MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

MULTIPLE CONNECTION METHODS

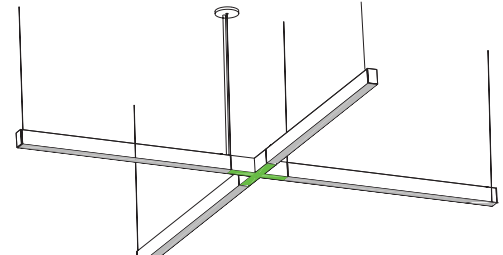
Built with installer efficiency in mind, the fixture features a tool-less **quick-fit connection** system that simplifies installation while maintaining a clean, continuous appearance.



L connector

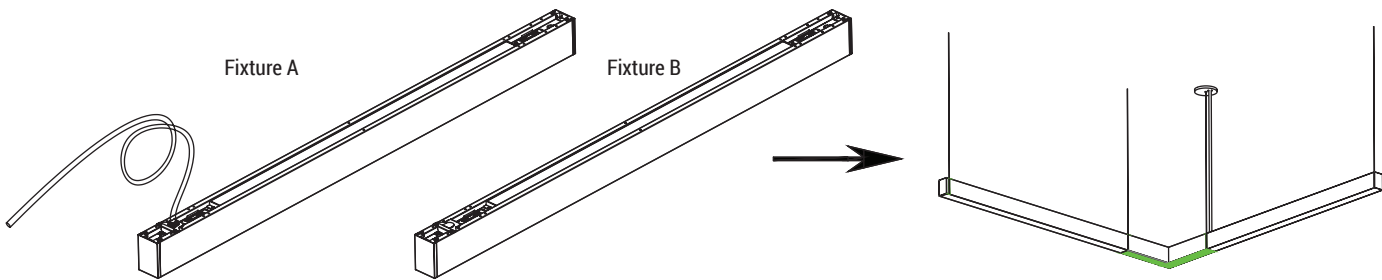


T connector



X connector

L CONNECTOR



1. Hang fixture A to the ceiling after positioning, remove end cap 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)

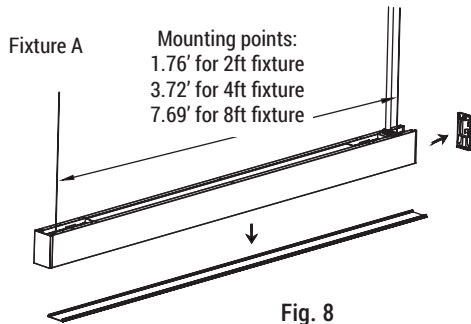


Fig. 8

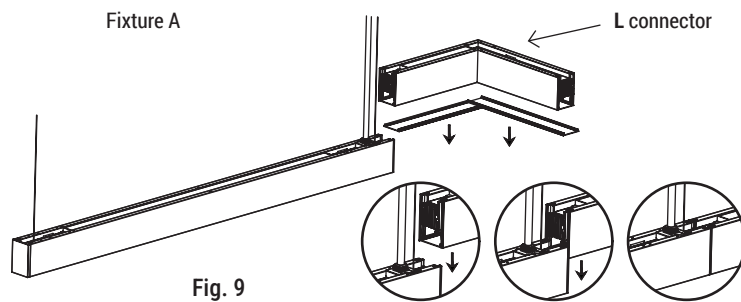


Fig. 9

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

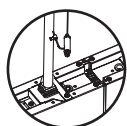


Fig. 10A

Fixture A

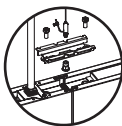


Fig. 10B

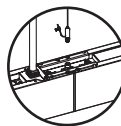


Fig. 10C

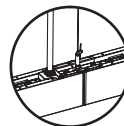
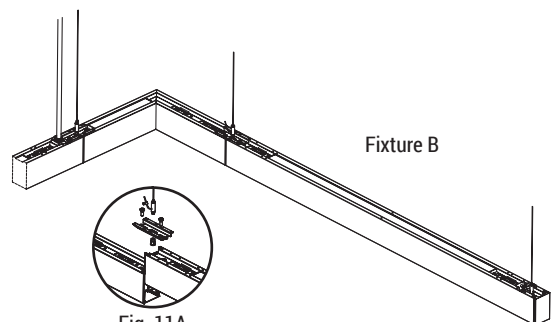


Fig. 10D

Fig. 11

Fixture A



Fixture B

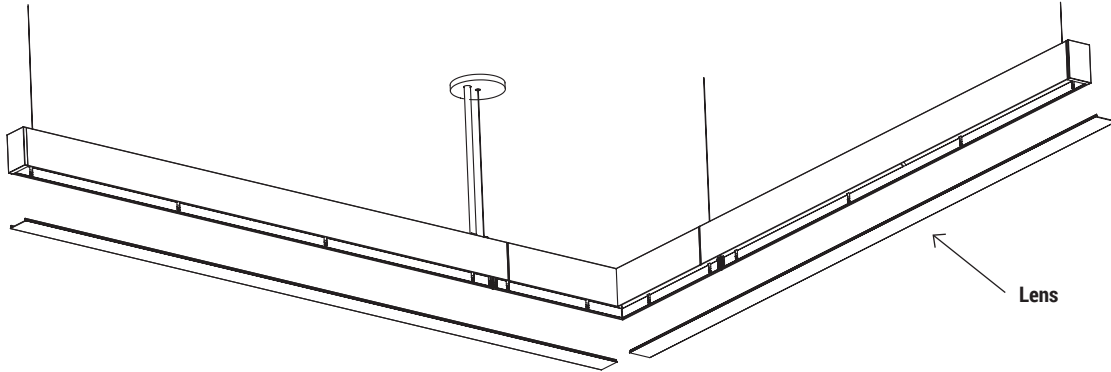
Fig. 11A

PENDANT MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

L CONNECTOR CONTINUATION

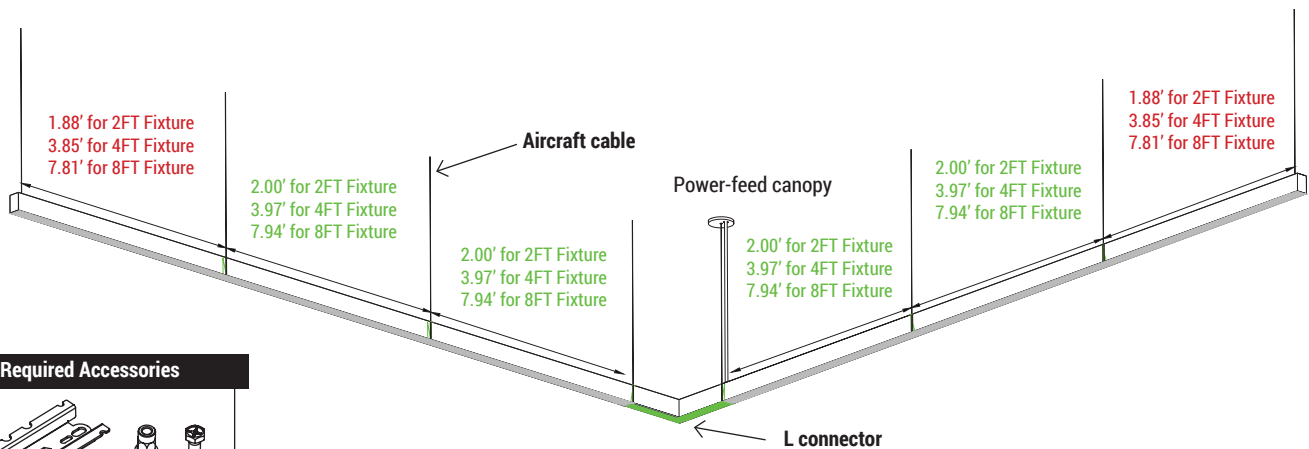
6. Install lens to fixtures and 'L' connector. (Fig. 12)

Fig. 12

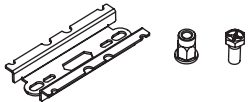


L, T, AND X CONNECTOR CONTINUOUS RUN

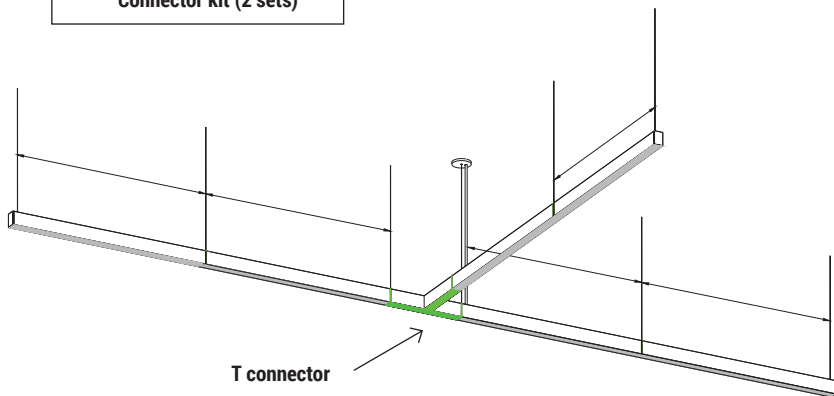
WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.



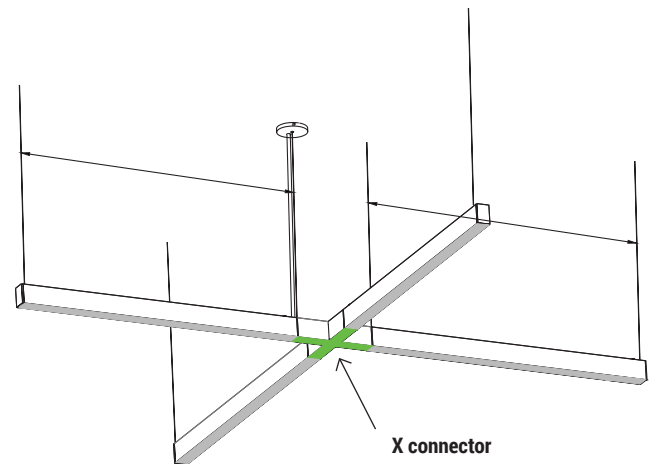
Required Accessories



Connector kit (2 sets)



T connector



X connector

MAX. NUMBER OF EACH POWER FEED

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

SIZE/POWER	AC 120V	AC 277V
2F / 20W	24 pcs	48 pcs
4F / 40W	12 pcs	24 pcs
8F / 80W	6 pcs	12 pcs

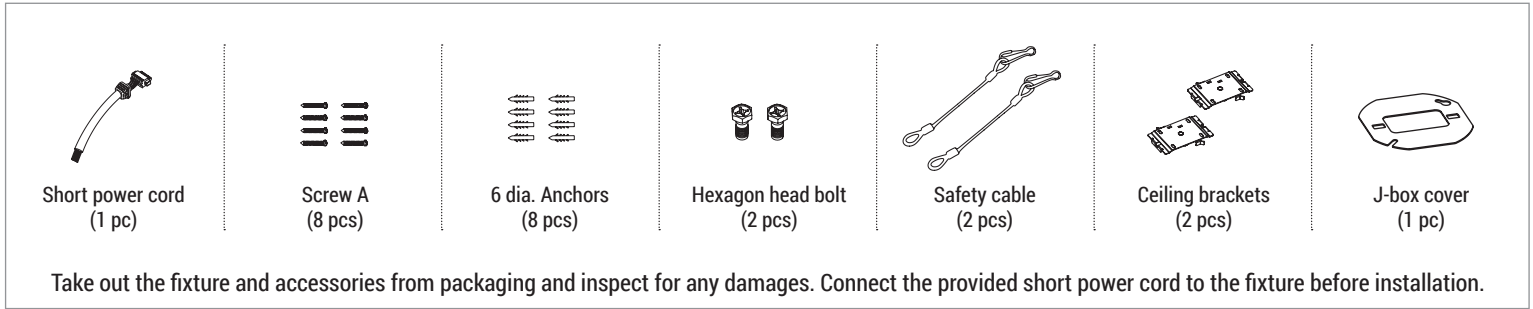
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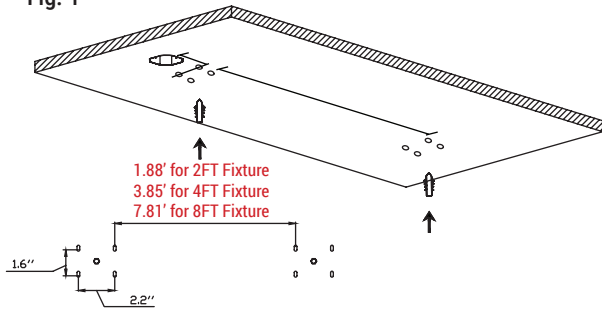
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SURFACE MOUNT KIT (SMK)



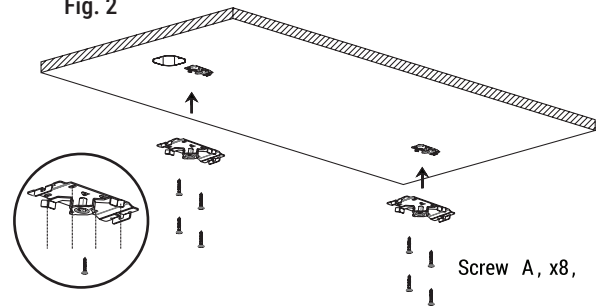
SURFACE MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

Fig. 1



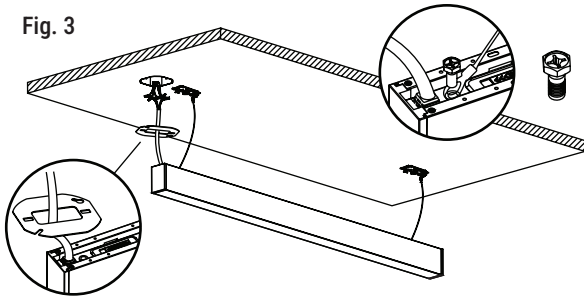
Position using the junction box as reference point and drill holes in the ceiling using brackets as a ruler, then install anchors.

Fig. 2



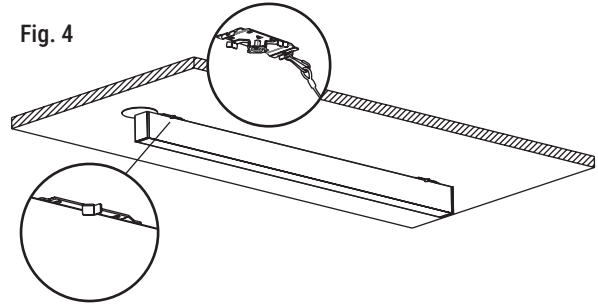
Fix the brackets to the ceiling with provided screw A.

Fig. 3



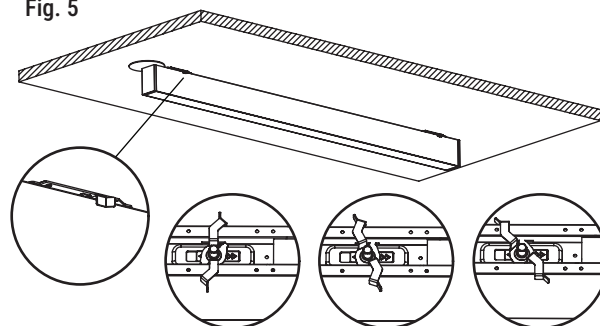
Fix safety cable to the fixture back with Hexagon Head Bolt. Hang the safety cables to the brackets. Pass power cord through the provided J-box cover-plate and make wiring to Main power.

Fig. 4



Attach the fixture to the brackets as shown, toggle and lock the latch on the bracket.

Fig. 5



Make sure the fixture hung in the ceiling firmly. Clean up fingerprints and stains.

WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

INSTALLATION INSTRUCTIONS

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WALL MOUNT KIT (INCLUDED IN THE SURFACE MOUNT KIT)



Short power cord
(1 pc)



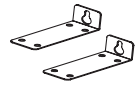
Screw A
(2 pcs / 3 pcs for 8F)



6 dia. Anchors
(2 pcs / 3 pcs for 8F)



Screw C
(8 pcs / 12 pcs for 8F)

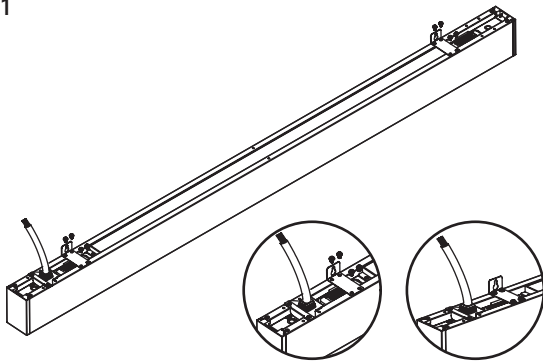


Wall mount brackets
(2 pcs / 3 pcs for 8F)

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

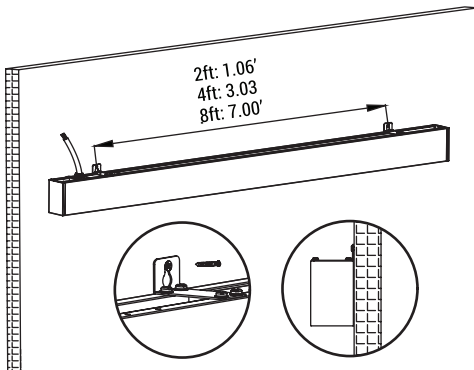
WALL MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

Fig. 1



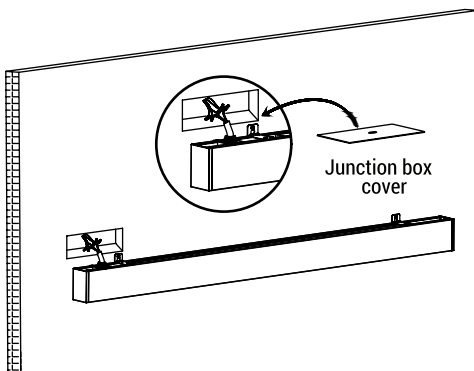
Secure the wall mount brackets to the fixture back with Screw C.

Fig. 2



Position using the junction box as reference point, drill 2 holes in the wall as shown, then install anchors and hang fixture with provided Screw A. (Fig. 2)

Fig. 3



Do wiring connection to Main Power as required by code and local regulations. Place all wires and connectors into the junction box. Cover the junction box and clean up fingerprints and stains.

WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

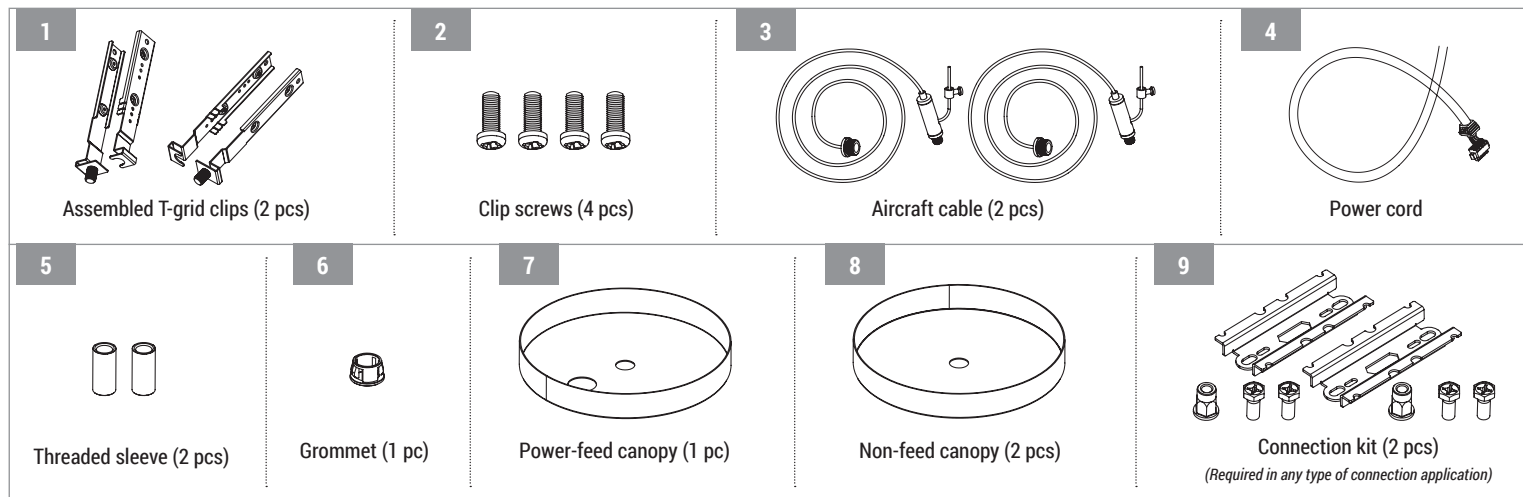
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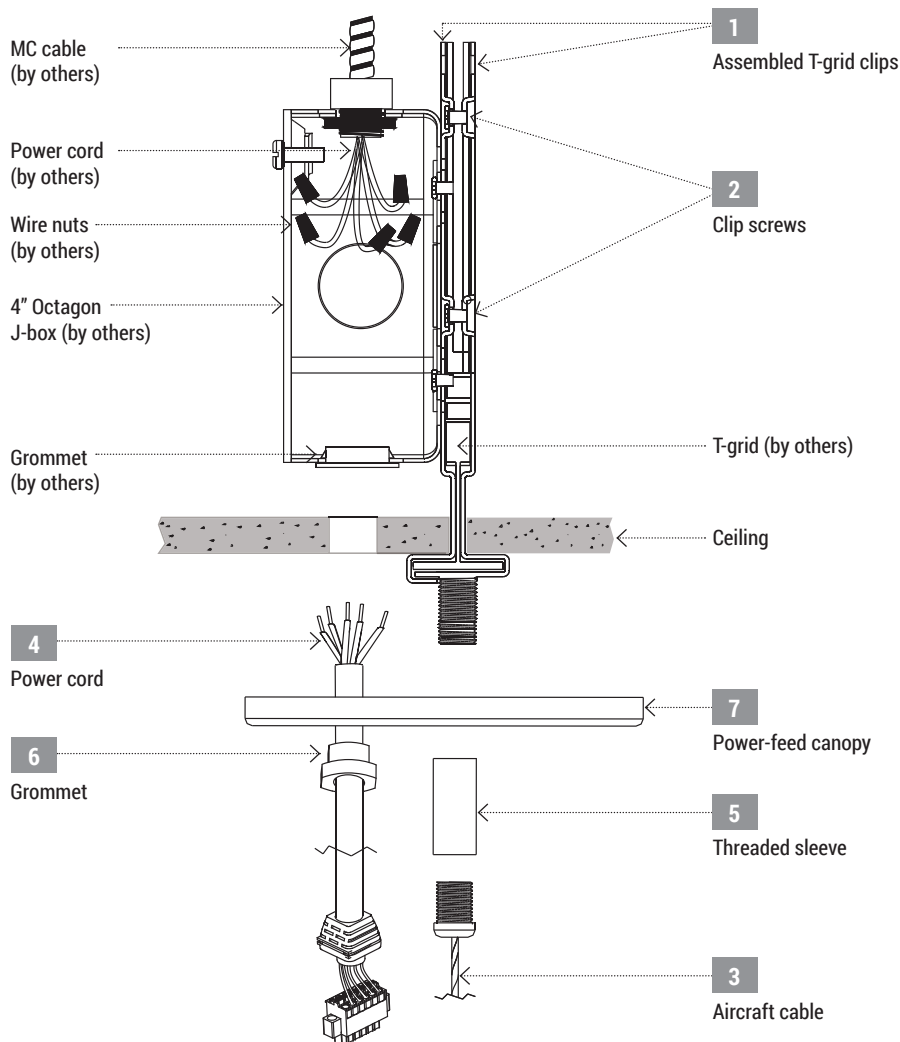
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T-GRID MOUNT KIT (TGMK)

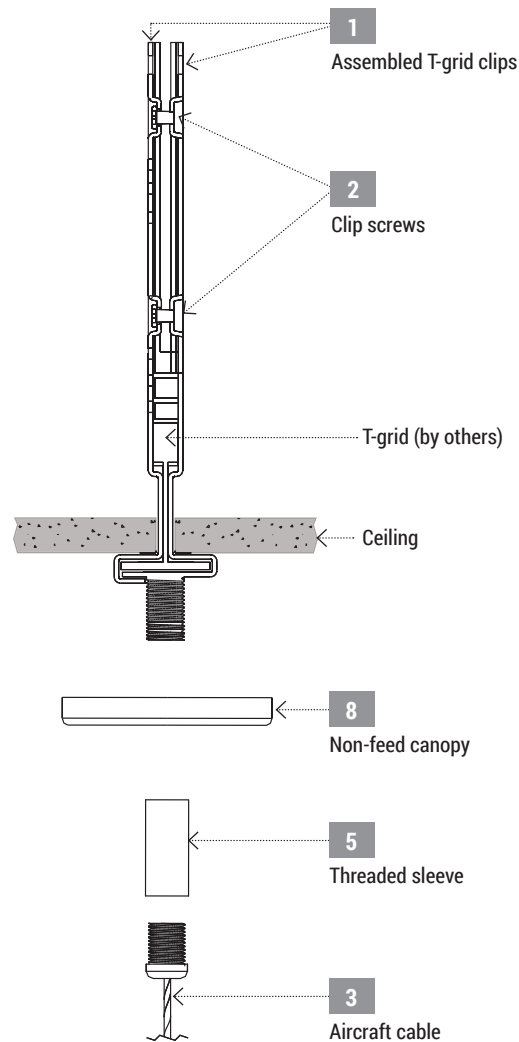


T-GRID MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

Power-Feed



Non-Feed



WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

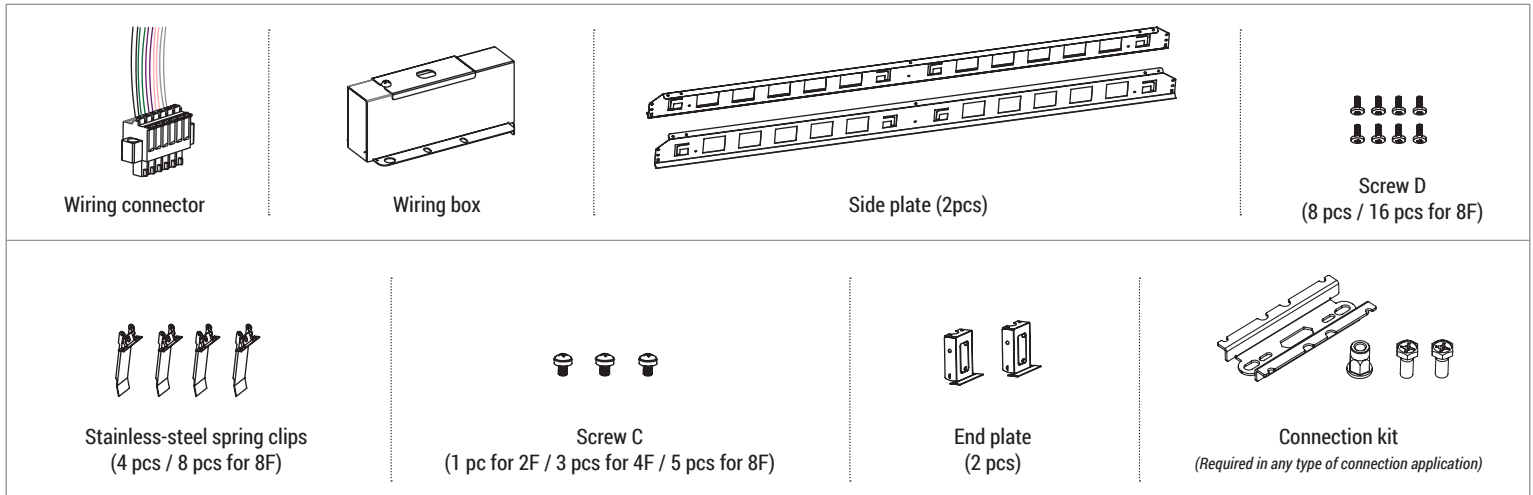
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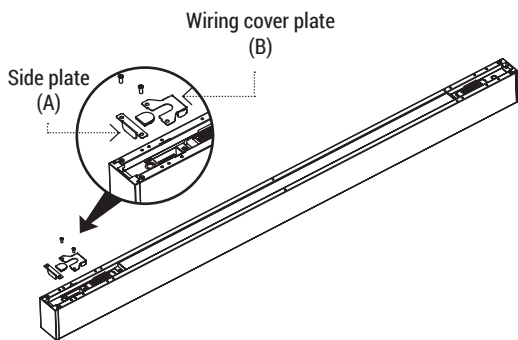
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RECESSED MOUNT KIT (TGMK)



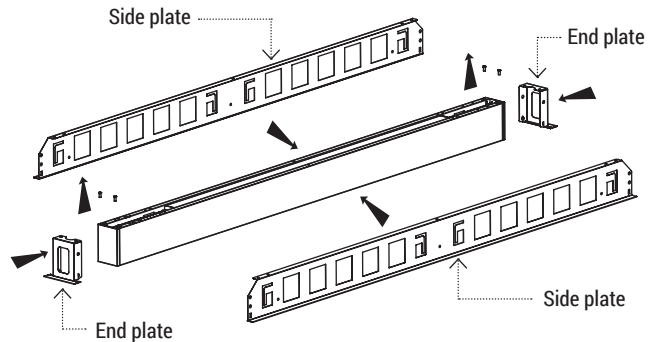
RECESSED MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

Fig. 1



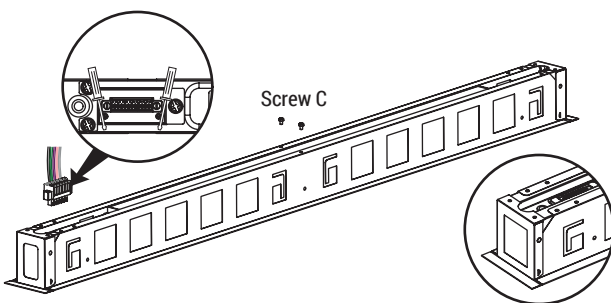
1. Remove original wiring cover Plate A and B.

Fig. 2



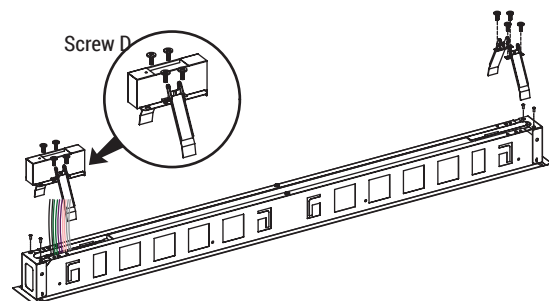
2. Remove the 4 screws on fixture back, attach side-plates and end-plates to fixture.

Fig. 3



3. Use Screw C to secure the side plates (should be executed on 4ft/8ft fixtures). Secure wiring connector to fixture by 2 screws as shown.

Fig. 4

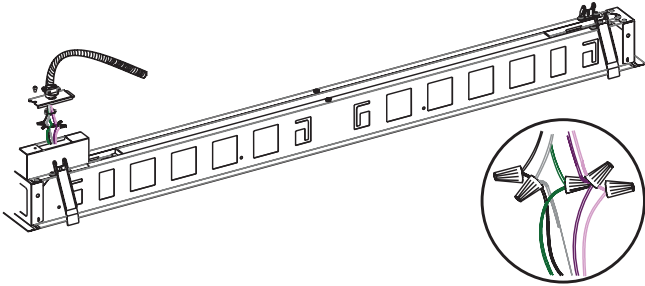


4. Attach spring clips and wiring box to side plates. Use Screw D to secure side plates, wiring box and all clips. Use screws removed in Fig. 2 to lock the end-plates.

WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

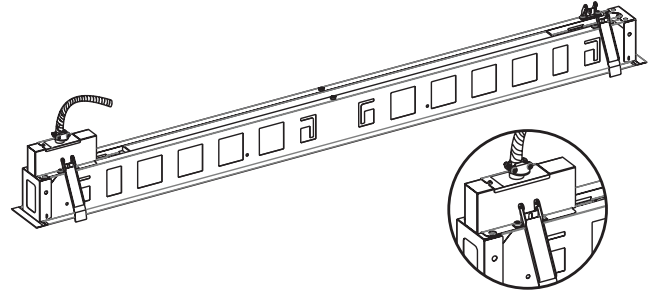
RECESSED MOUNT (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)

Fig. 5



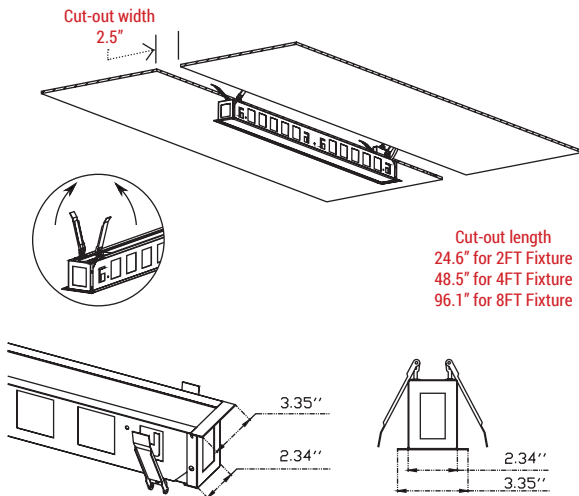
5. Secure the Pipe to the access plate removed from the wiring box and make wiring.

Fig. 6



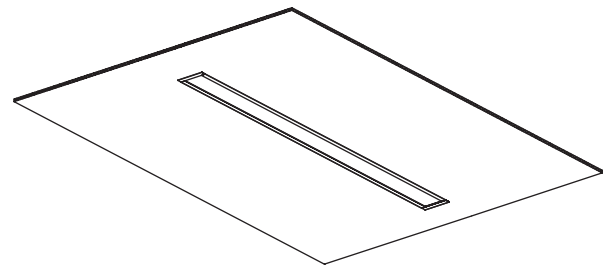
6. Attach the access plate and Pipe to the wiring box.

Fig. 7



7. Align fixture to pre-cut hole, lift the spring clips and insert fixture to the ceiling.

Fig. 8



8. Clean up fingerprints and stains. The installation is complete.

IF DIMMING IS NOT REQUIRED, ISOLATE THE TWO DIMMING WIRES (PINK AND PURPLE) INDIVIDUALLY AT THE P2 TERMINAL.

WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

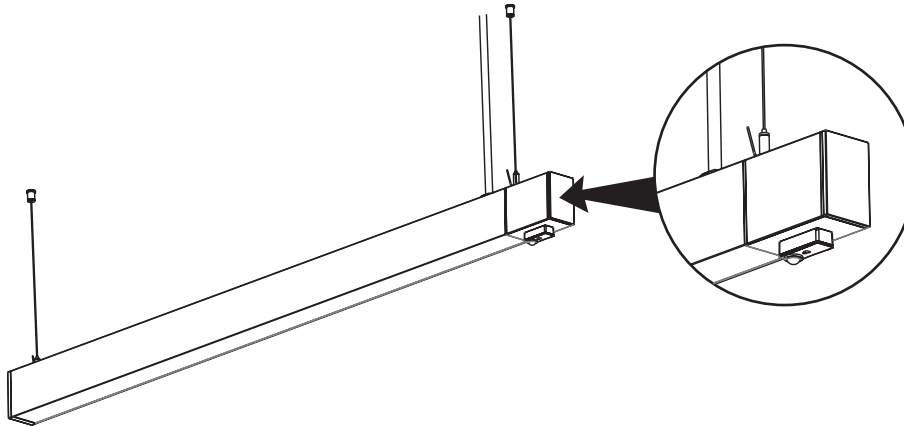
INSTALLATION INSTRUCTIONS

PT-ALP SERIES

PT-ALP-2F-20W-5C4P / PT-ALP-4F-40W-5C4P / PT-ALP-8F-80W-5C4P

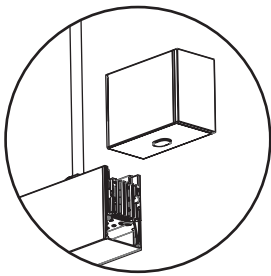
PORTOR
LIGHTING
a PORTOR INDUSTRY brand

SENSOR SET-UP (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER BEFORE INSTALLING OR MAINTAINING FIXTURE)



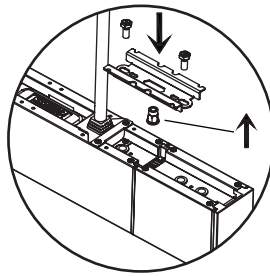
END-OF-ROW INSTALLATION

Fig. A



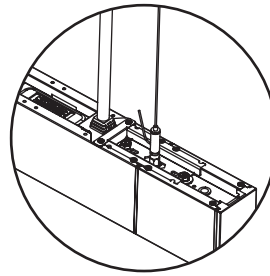
1. Attach the sensor box to the target fixture after removing the fixture end-cap. (Fig. A)

Fig. B



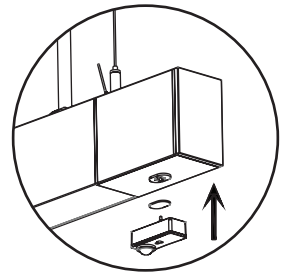
2. Install the connect plate to strengthen the combination. (Fig. B & C)

Fig. C



3. Attach the suspension cable to the combination. (Fig. C)

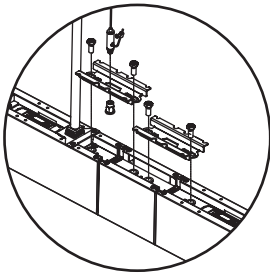
Fig. D



4. Remove the receptacle cover and install the sensor. (Fig. D)

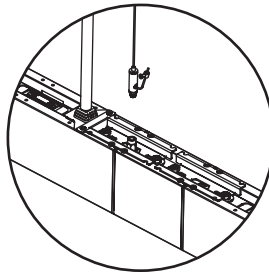
END-OF-ROW INSTALLATION

Fig. E



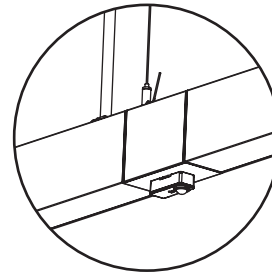
1. Attach the sensor box to middle position of the 2 target fixtures. (Fig. E)

Fig. F



2. Install 2 connection plates to strengthen the combination. (Fig. E & F)

Fig. G

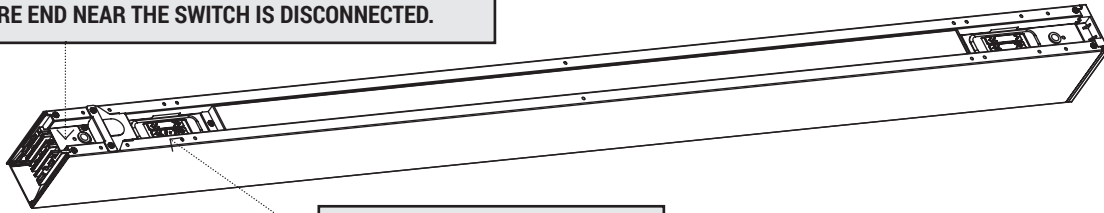


3. Attach the suspension cable to the combination. (Fig. F & G)
4. Remove the receptacle cover and install the sensor. (Fig. G)

WARNING: ALL OTHER FIXTURES MUST REMAIN DISCONNECTED TO THE POWER SUPPLY DURING THE ASSEMBLY PROCESS.

DIMMING CONNECTION SWITCH SET-UP (ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER FIRST)

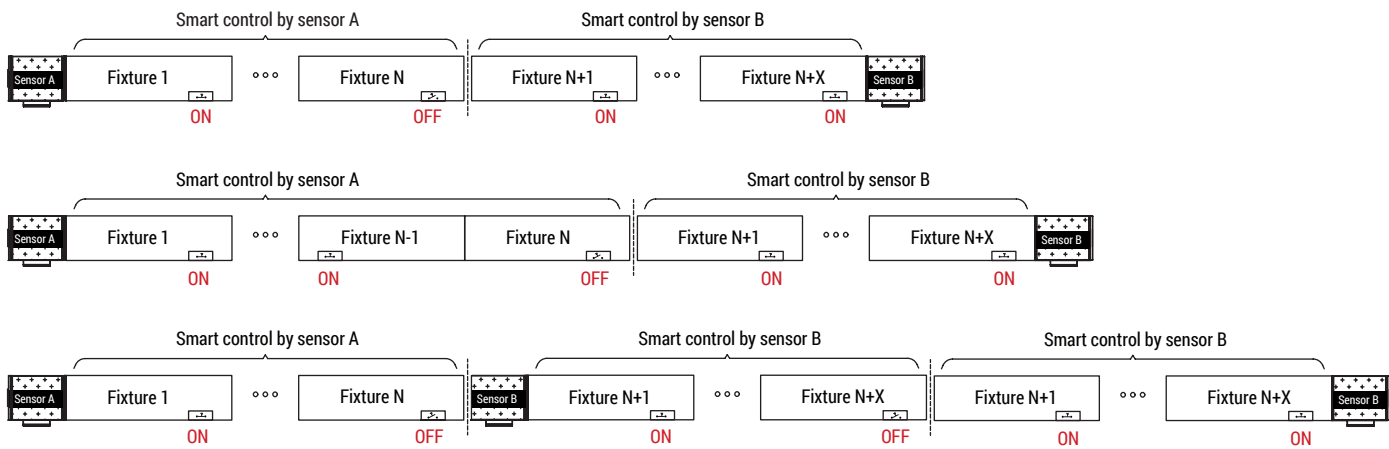
WHEN SET TO OFF, THE DIMMING WIRE CONNECTOR ON THE
FIXTURE END NEAR THE SWITCH IS DISCONNECTED.



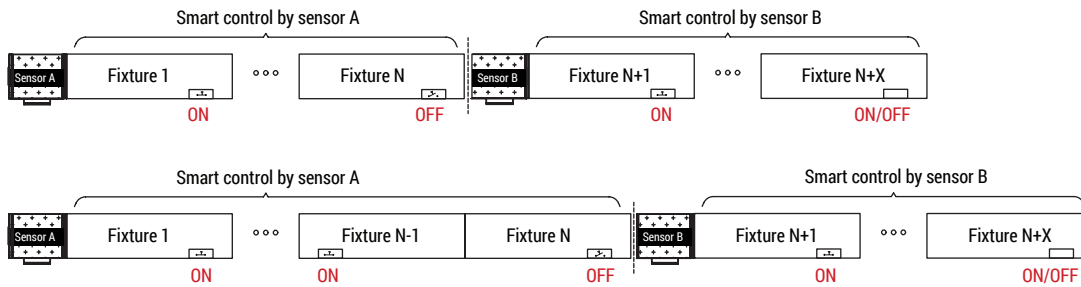
DIMMING CONNECTION SWITCH

MULTIPLE FIXTURES AND SENSORS CONNECTION

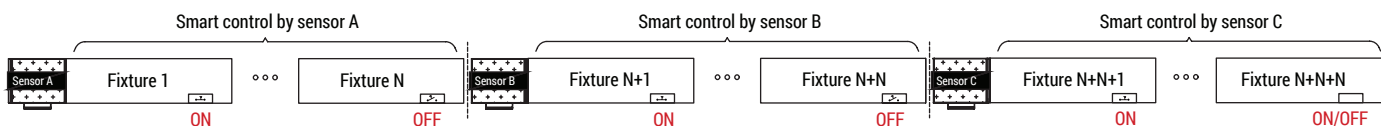
Typical Application 1



Typical Application 2



Typical Application 3



Dimming connection switch (On)

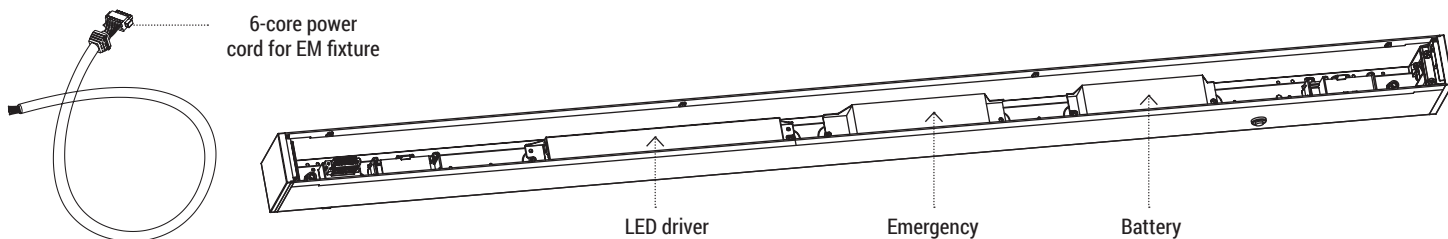


Dimming connection switch (Off)



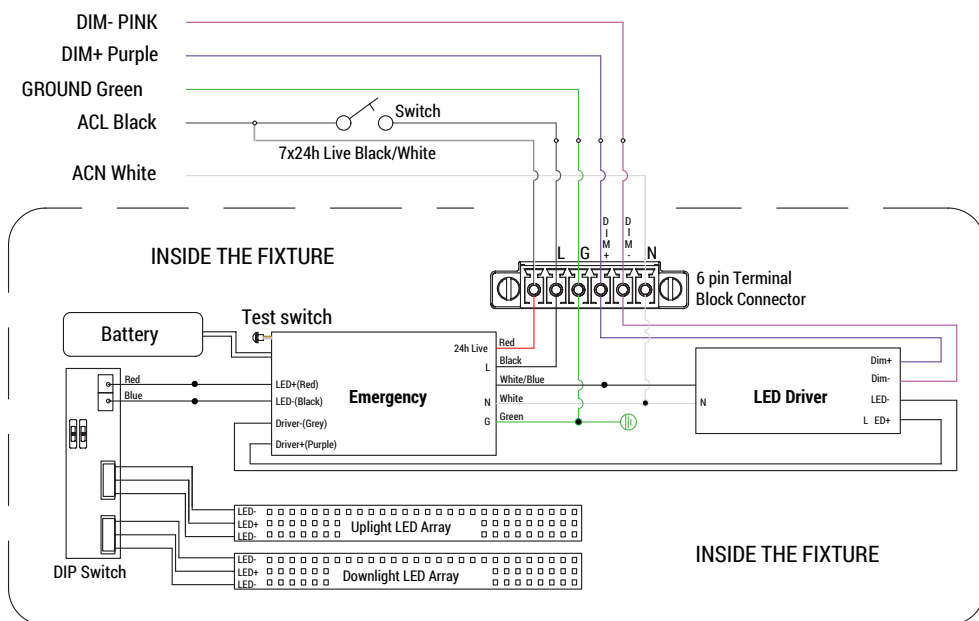
Dimming connection switch (On or Off)

EM DRIVER SET-UP (ONLY AVAILABLE ON 4FT AND 8FT FIXTURES)



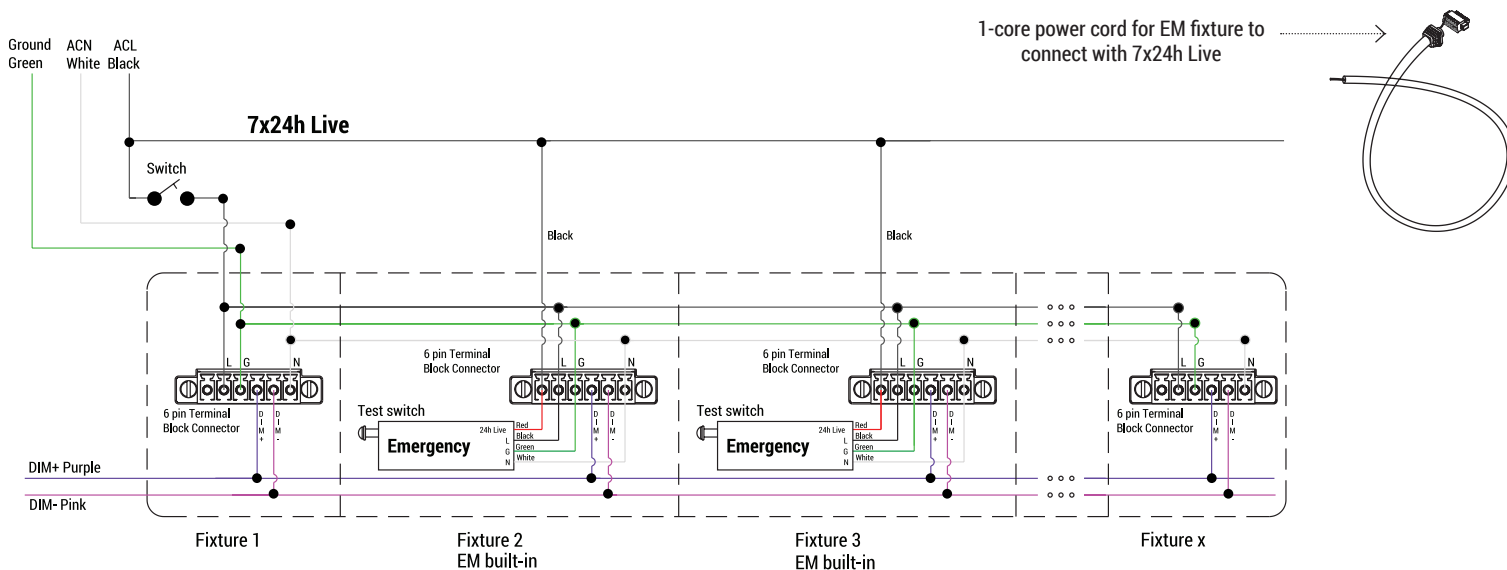
GENERAL WIRING DIAGRAM

Single EM fixture using 6-core power cord for wiring



MULTIPLE EM FIXTURES CONNECTION

When multiple Emergency built-in lights are connected to the same branch circuit



ALL CIRCUITS WITHIN THE DASHED BOX REPRESENT THE FIXTURE'S INTERNAL WIRING.