

Linear LED Recessed Luminaires

Installation Instruction Sheet

Linear Recessed Fixtures

INSTALLATION INSTRUCTIONS FOR MOUNTING RECESSED LINEAR FIXTURES

WARNING

To reduce the risk of death, injury or property damage from fire, electric shock, cuts, abrasions, falling parts and other hazards:

- Service of the equipment must be performed by qualified service personnel.
- Installation and maintenance must be performed by a person familiar with the construction and operation of this product and any hazards involved. All applicable codes and ordinances must be followed.
- Read this document before installing, servicing or maintaining this equipment. These instructions do not cover all installation, service and maintenance situations. If your situation is not covered, or, if you do not understand these instructions or additional information is required, contact your distributor.
- Read and follow all warnings and instructions provided by the LED manufacturer.

WARNING

- Before installing, servicing or maintaining this equipment, follow these general precautions. To reduce the risk of electrocution:
- Make sure the equipment is properly grounded.
- Always de-energize the circuit and/or equipment before connecting to, disconnecting from or servicing the equipment.

To prevent luminaire row from over-current:

- By adding the input current of each luminaire section marked on the luminaire, the total current per power feed must not exceed the maximum line wire amperage marked on the luminaire and the power feed cord/wire amperage rating whichever is the least.

To reduce the risk of fire:

- Keep material away that can burn from hot surfaces.
- Make sure LED boards are correctly installed.
- Use supply conductors with a minimum installation temperature rating as specified on equipment.

To reduce the risk of personal injury from cuts, abrasions or falling parts:

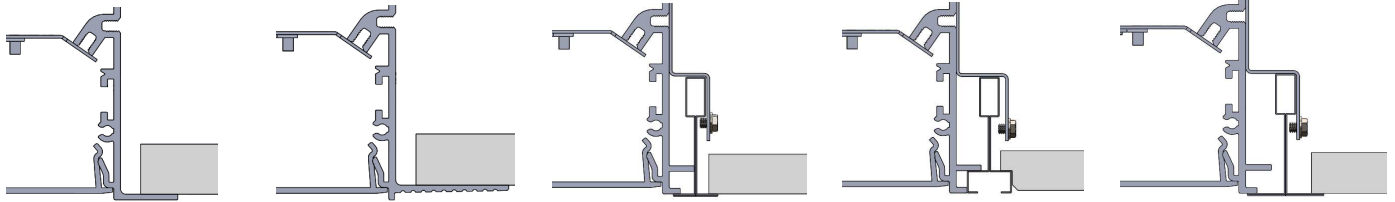
- Wear gloves to prevent cuts or abrasions from sharp edges when removing from carton, handling and maintaining this equipment.
- Do not use abrasive materials, glass cleaners or other solvents on reflector or lens. These substances may damage equipment and cause parts to eventually break and fall.
- Do not install a damaged fixture.

Linear LED Recessed Luminaires

Installation Instruction Sheet

Linear Fixtures

MOUNTING TYPES & DIMENSION



Flange

Flangeless/
Trimless

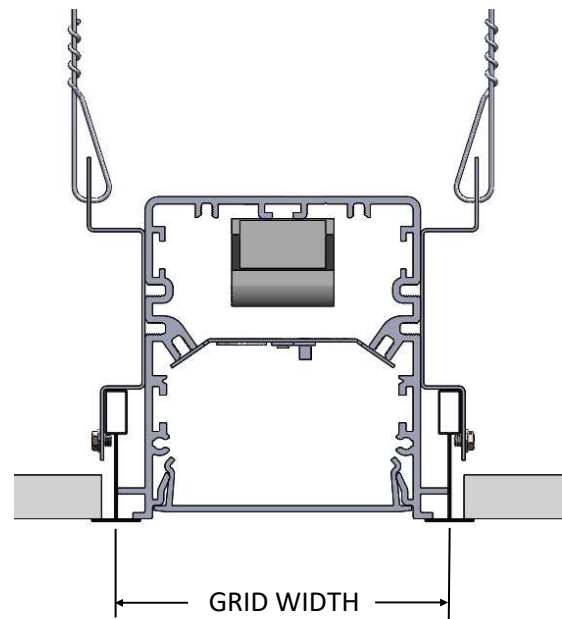
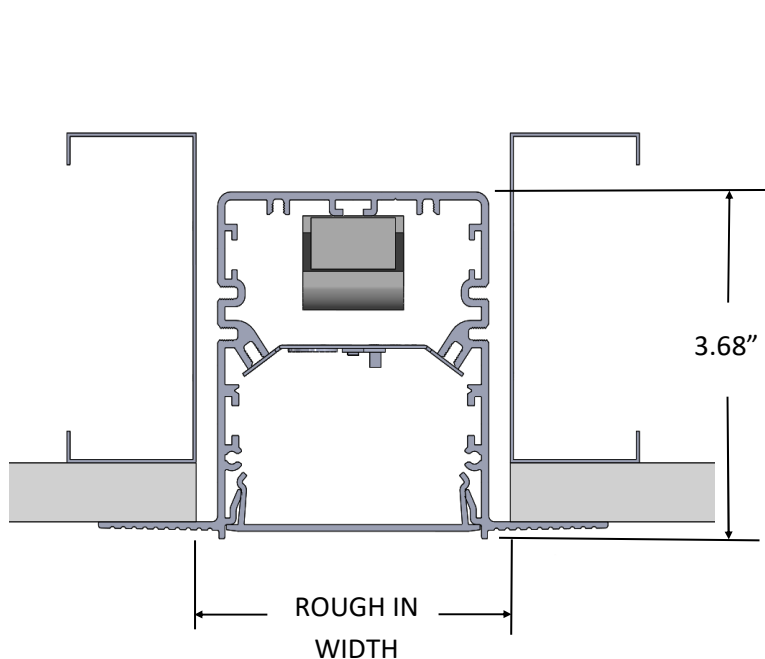
9/16" Grid
Tegular/Lay-In

9/16" Grid
Slot

15/16" Grid
Tegular/Lay-In

"Rough In" Width		
Mounting Type	3"	4"
Flange	3-5/8"	4-5/8"
Flangeless/Trimless	3-5/8"	4-5/8"

Grid Mounting Center Widths		
Ceiling Type	3"	4"
9/16" Slot	4"	5"
"9/16" Tegular/Lay-in	3-13/16"	4-13/16"
15/16" Tegular/Lay-in	4-1/8"	5-1/8"



Linear LED Recessed Luminaires

INSTALLATION INSTRUCTIONS FOR MOUNTING IN TEE GRID AND JOINING FIXTURES

Linear Fixtures

Remove lens.

Install hanger brackets on each side of fixture approximately 4" inches in from the ends. For 9/16" lay-in grid place smaller gap side of bracket towards lens. For other grids place wider gap side towards lens.

Set fixture into opening between Tee Grid. After the fixture is set, screw in #8 self threading screws in hanger bracket and attach support wiring to the building and fixtures.

Bring conduit and conduit fitting (supplied by others) to the power feed hole location at the end of the housing or in end cap. Make the electrical connections to the building power using the starter harness and plug into the fixture thru harness. Use the wiring diagram included to identify wiring.

For row mounting fixtures attach male end of harness to female end of harness.

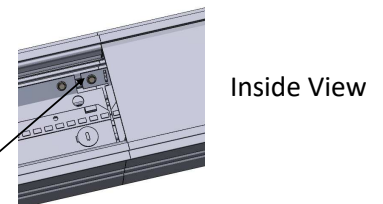
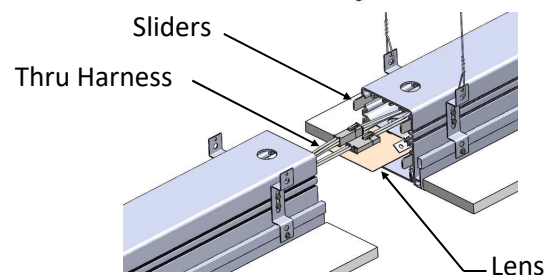
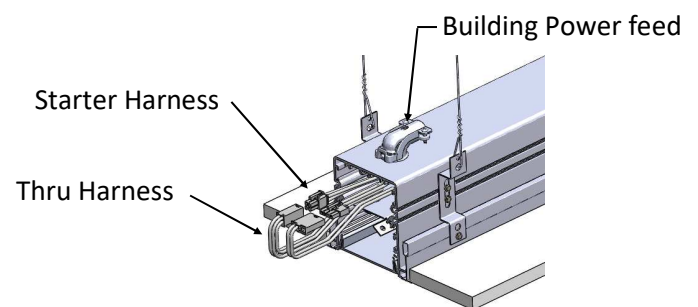
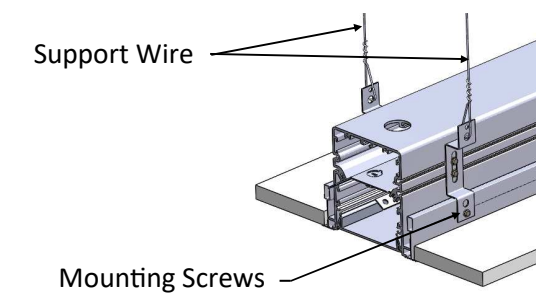
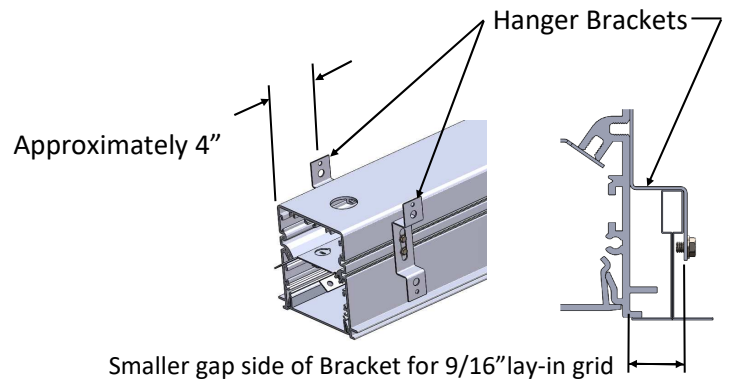
Small lens sections are centered between fixtures to avoid leak at lens ends.

Slide fixture together using sliders that extend from fixtures to insure proper alignment.

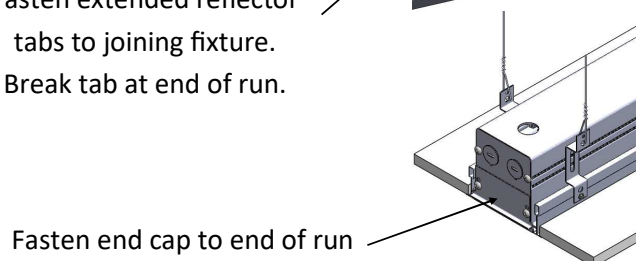
Screw internal reflectors down to joining fixture.

Tuck harness at end of rows and attach end caps using supplied screws.

Grid end caps can be adjusted for lay in or Slot T configurations (use extra holes to adjust)



Fasten extended reflector tabs to joining fixture.
Break tab at end of run.



Fasten end cap to end of run

Linear LED Recessed Luminaires

INSTALLATION INSTRUCTIONS FOR MOUNTING IN HARD CEILING AND JOINING FIXTURES

Linear Fixtures

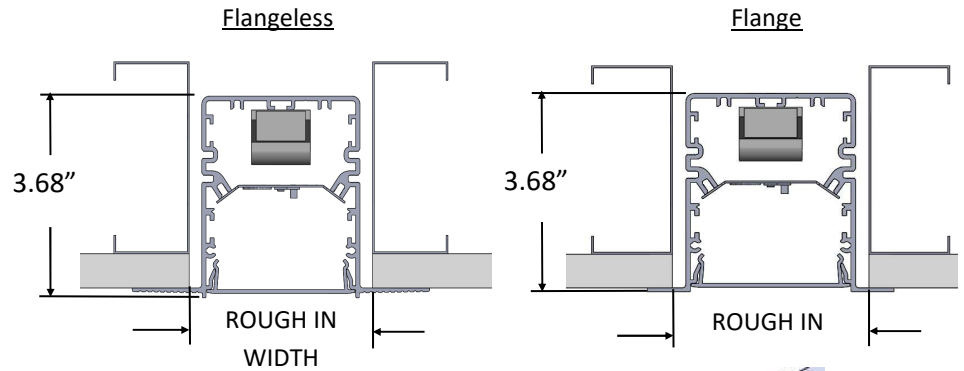
Prepare wall/ceiling with proper rough-in width openings (see chart).

For post sheetrock applications use 5/8" holes on back of fixture. Tie into the building with 1/4" all thread rod (supplied by others).

Install building power feed conduit and fitting (supplied by others) thru top side of housing or thru end cap of 1st fixture in the continuous run. Make the electrical connections to the building power using the starter harness and plug into the fixture thru harness. Use the wiring diagram included to identify wiring.

Insert fixture thru rough-in opening and fasten fixture (hardware supplied by others) to building studs.

- Center fixture in opening
- **Predrill holes for screws and countersink 3/16" for Trimless fixture (if needed)**

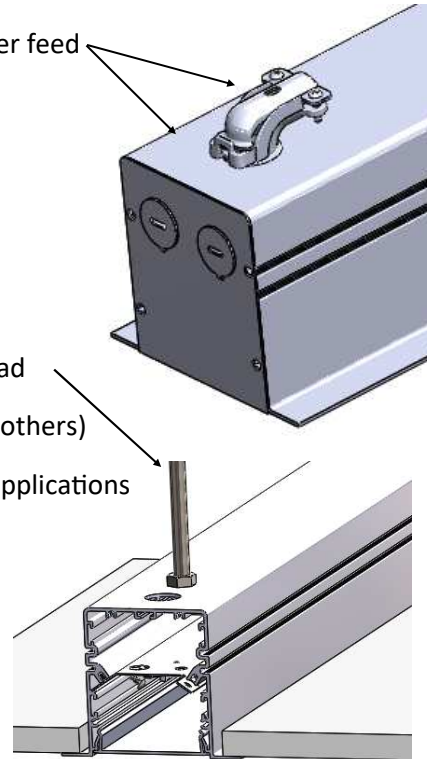


Building Power feed

All thread

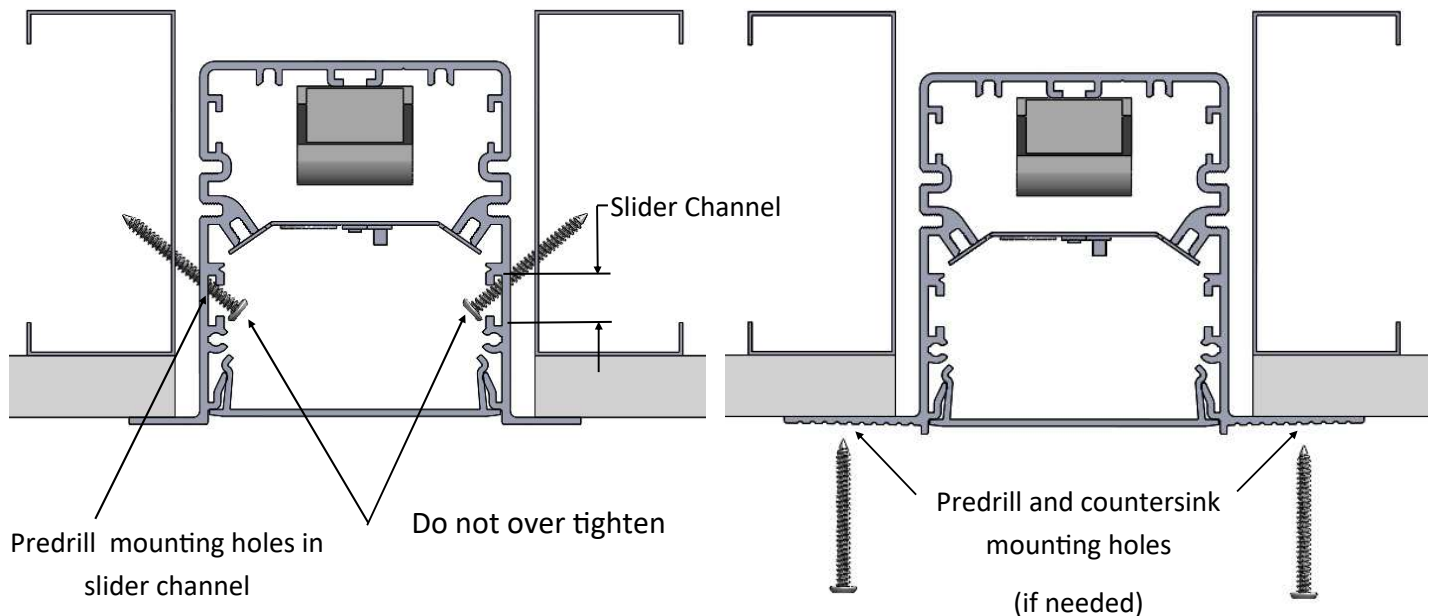
(supplied by others)

Post sheetrock applications



Flange

Trimless/Flangeless



Predrill mounting holes in slider channel

Do not over tighten

Predrill and countersink mounting holes (if needed)

(if needed)

Linear LED Recessed Luminaires

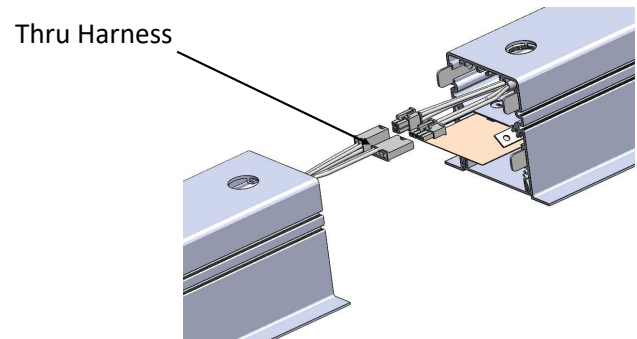
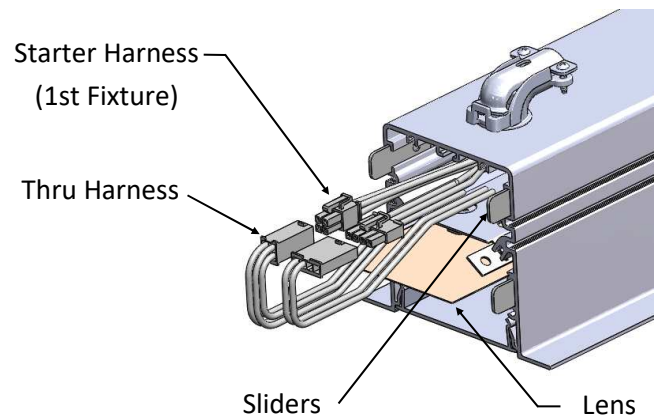
INSTALLATION INSTRUCTIONS FOR MOUNTING IN HARD CEILING AND JOINING FIXTURES (Continued)

Linear Fixtures

For row mounting fixtures attach male end of harness to female end of harness.

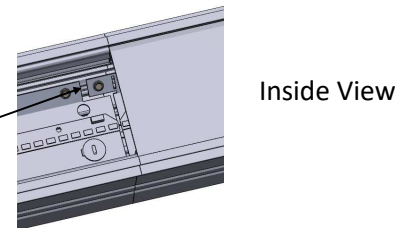
Small lens sections are centered between fixtures to avoid leak at lens ends.

Slide fixture together using sliders that extend from fixtures to insure proper alignment.



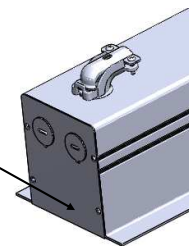
Screw internal reflectors down to joining fixture.

Fasten extended reflector tabs to joining fixture. Break tab at end of run.



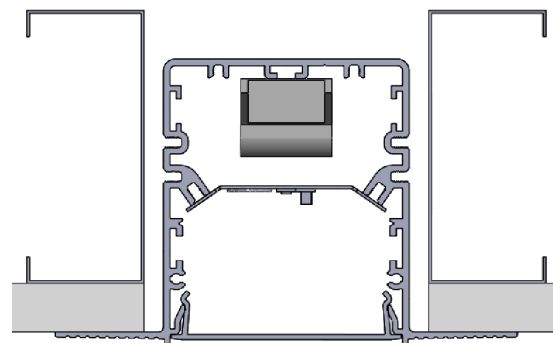
Tuck harness at end of rows and attach end caps using supplied screws.

Fasten end cap to end of run



Replace Lens

Finish mud over flangeless trim making sure no screw heads are exposed.



Clean around exposed area

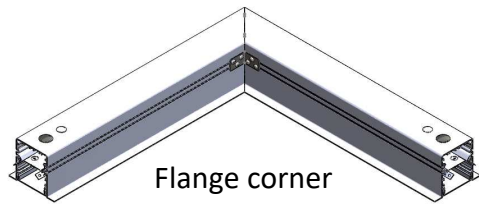
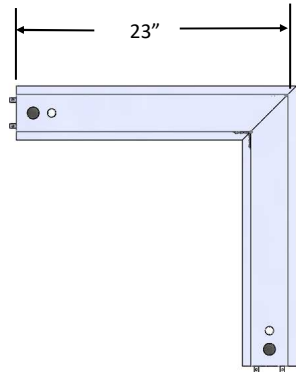
Mud and sand over Trimless trim before painting

Linear LED Recessed Luminaires

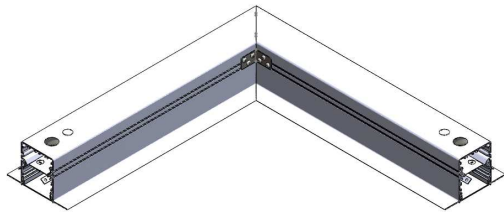
CORNER INSTALLATION INSTRUCTIONS

Corner Fixtures

Horizontal Drywall Corners

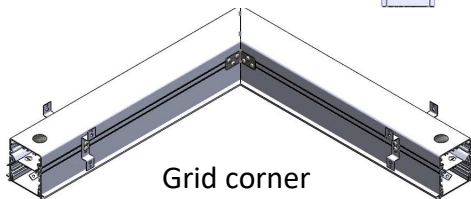
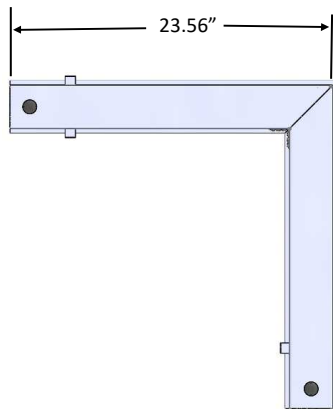


Flange corner



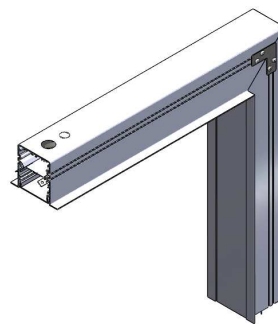
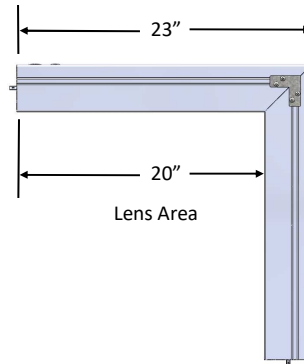
Trimless/Flangeless corner

Horizontal Grid Corner

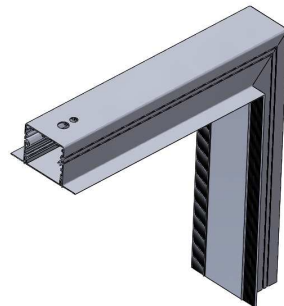


Grid corner

Vertical IN corner

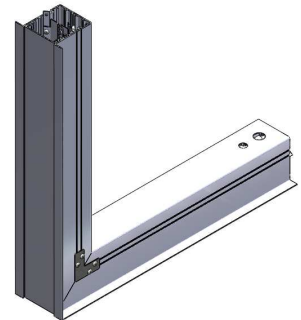
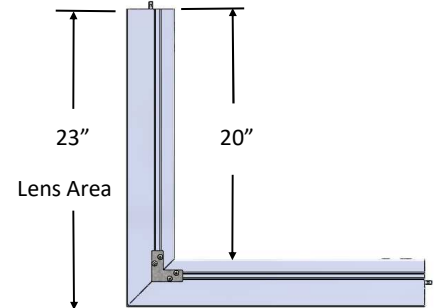


Flange corner



Trimless/Flangeless Corner

Vertical OUT corner



Flange corner



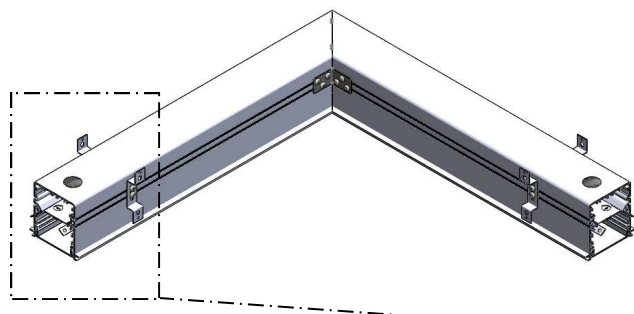
Trimless/Flangeless Corner

Linear LED Recessed Luminaires

CORNER INSTALLATION INSTRUCTIONS FOR MOUNTING IN TEE GRID AND JOINING FIXTURES

Linear Fixtures

Use Chart on Page 2 to determine Grid mounting widths.



Remove lens and install hanger brackets. For 9/16" lay-in grid place smaller gap side of bracket towards lens. For other grids place wider gap side towards lens.

Set fixture into opening between Tee Grid. Screw in #8 self-threading screws in hanger bracket and attach support wiring to the building and fixtures.

Note: Horizontal Grid Corners has endcaps and a starter harness provided. Please dis-guard the component not needed for your project. If the harness needs reversed for a left, use the 4" adapter harnesses provided in the hardware kit.

Bring conduit and conduit fitting (supplied by others) to the power feed hole location at the end of the housing. Make the electrical connections to the building power. Use the wiring diagram included to identify wiring.

For row mounting attach harnesses.

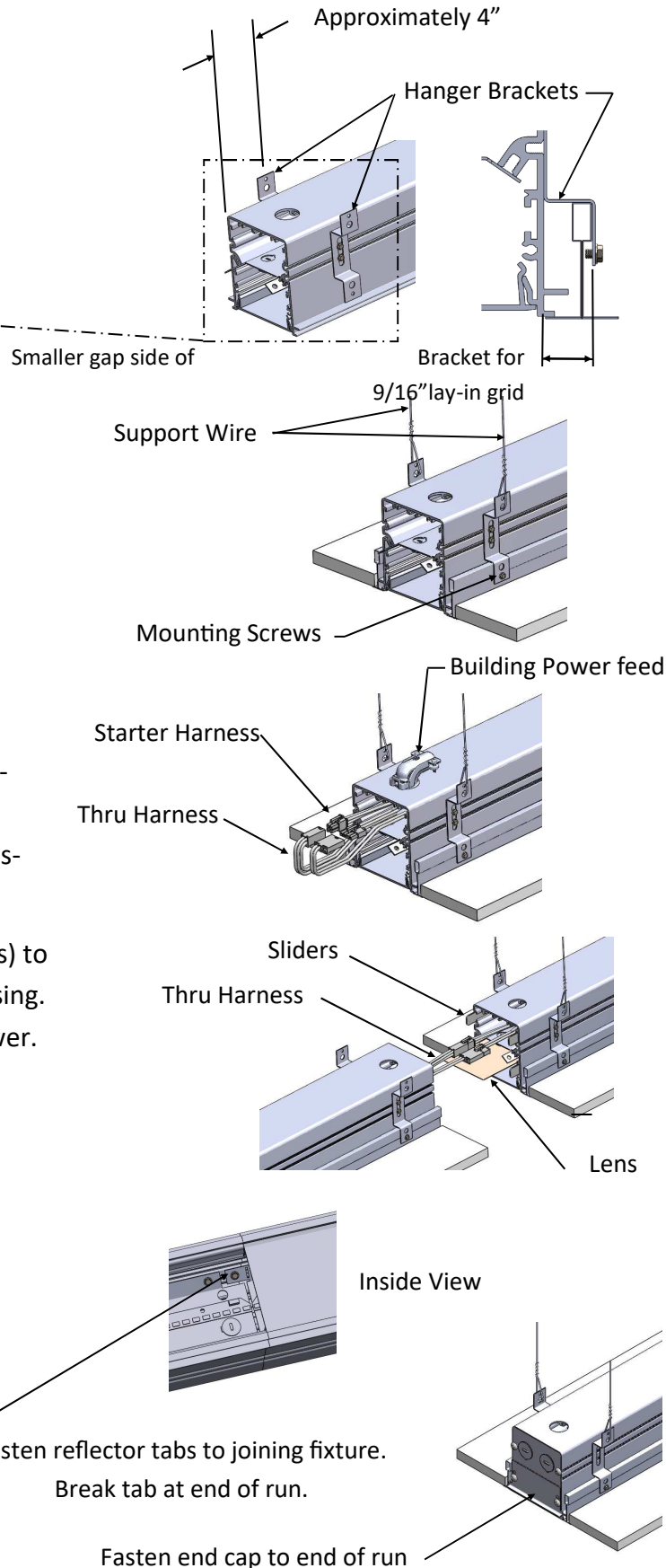
Center lens sections.

Slide fixture together using sliders.

Screw internal reflectors down to joining fixture.

Tuck harness at end of rows and attach end caps using supplied screws. Replace Lens.

Grid end caps can be adjusted for lay in or Slot T configurations (use extra holes to ad-



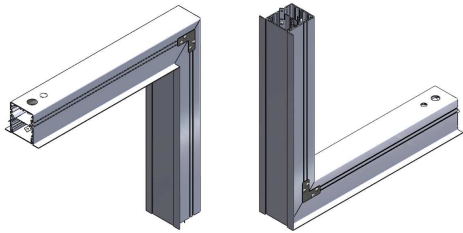
Linear LED Recessed Luminaires

CORNER INSTALLATION INSTRUCTIONS FOR MOUNTING IN HARD CEILING AND JOINING FIXTURES

Linear Fixtures

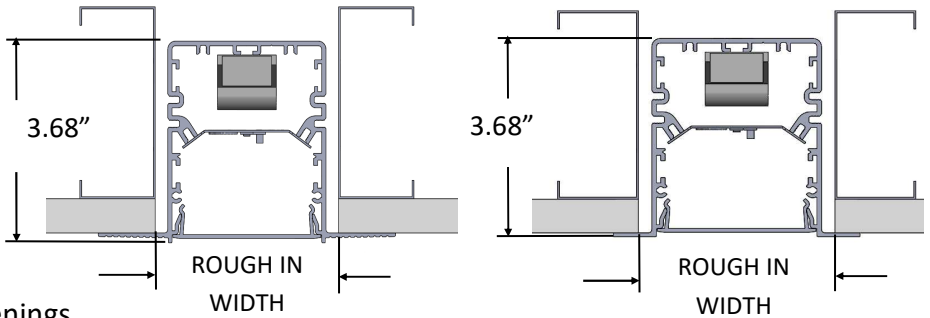
Vertical IN corner

Vertical OUT corner



Trimless

Flange



Prepare wall/ceiling with rough-in openings (see chart on page 2).

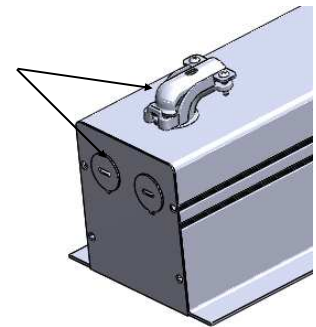
For post sheetrock applications use holes on back of fixture to tie into the building (supplied by others). Remove lens.

Install building power feed (supplied by others) thru top side of housing or thru end cap. Attach power to harness using the starter harness and plug into the fixture thru harness. Use the wiring diagram included to identify wiring.

Insert fixture thru rough-in opening and fasten fixture (hardware supplied by others) to building studs.

- Center fixture in opening
- **Predrill holes for screws and countersink 3/16" for Trimless/Flangeless fixture**

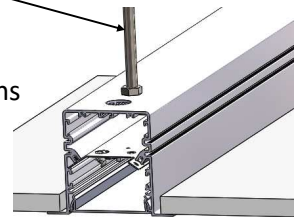
Building Power feed



All thread

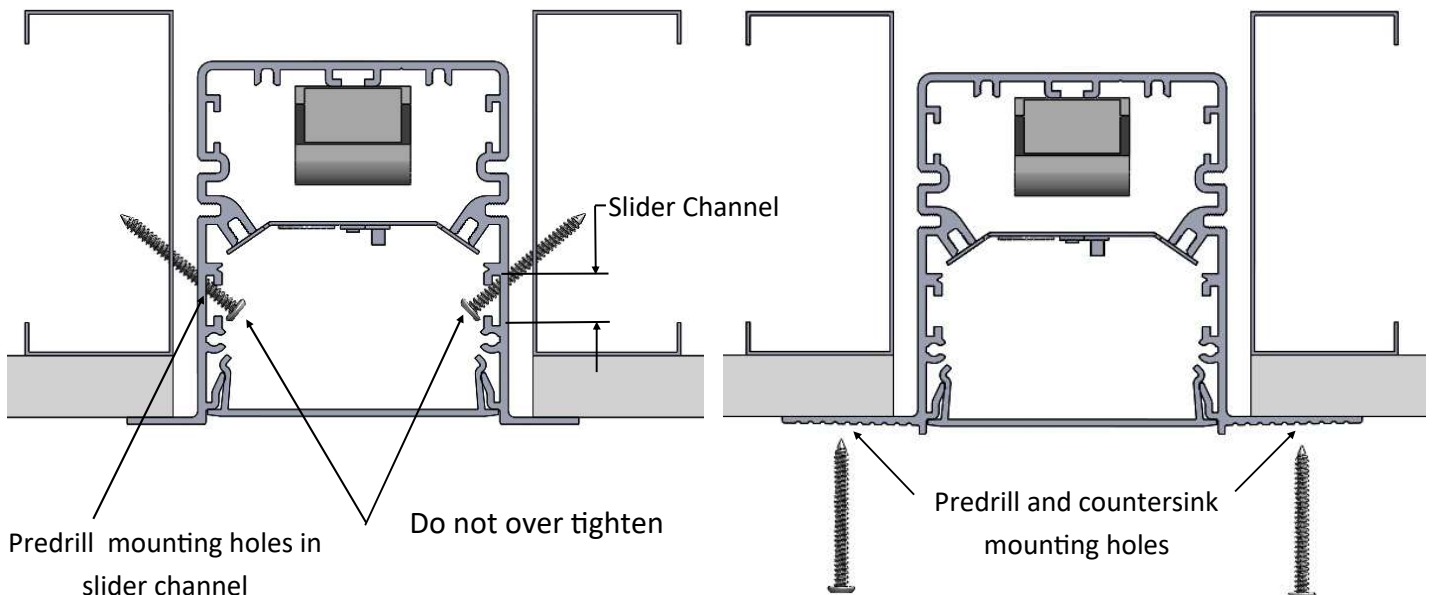
(supplied by others)

Post sheetrock applications



Flange

Trimless/Flangeless



Predrill mounting holes in slider channel

Do not over tighten

Predrill and countersink mounting holes

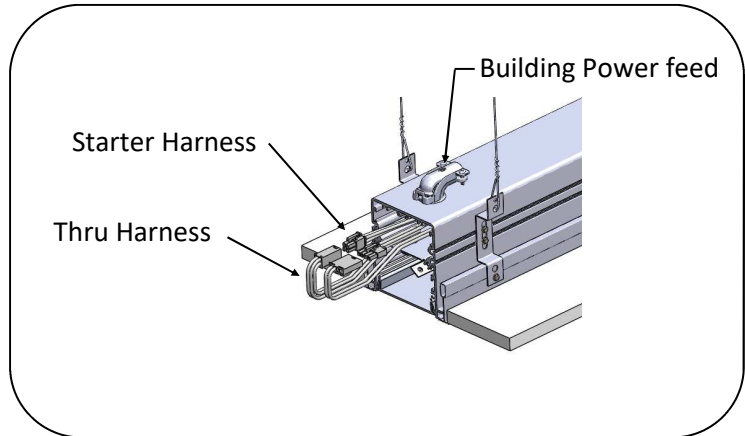
Linear LED Recessed Luminaires

Installation Instruction Sheet

Linear Fixtures

INSTALLATION INSTRUCTIONS FOR POWER FEED

For feed, attach the building power to the starter harness and plug into fixture thru harness. Attach dimming harness where dimming is required.



For special circuitry consult factory	
LINE WIRE COLOR	CIRCUIT DESCRIPTION
BLK	CIRCUIT A—HOT
WHT	CIRCUIT A & B— NEUTRAL
RED	CIRCUIT B— HOT
GRN	GROUNDING
VLT	DIMMING CONTROL 1
GRY	DIMMING CONTROL 2
ORG	EHS or EHF—HOT
WHT/ORG	EHS or EHF— NEUTRAL

Compliant to UL 1598



General Wiring Diagram

