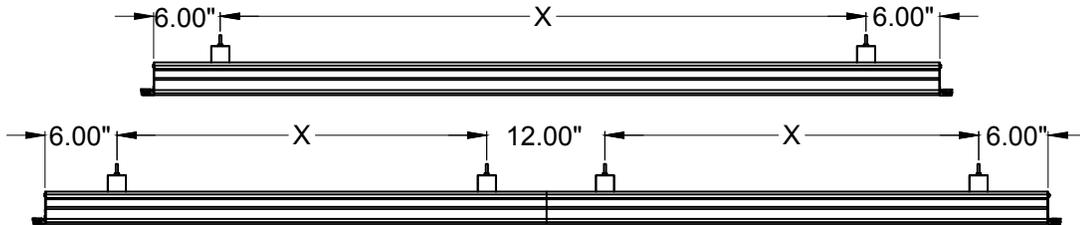


WARNING - RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. FIXTURE IS INTENDED FOR INSTALLATION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AND FEDERAL SPECIFICATIONS. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.
RETAIN THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE.

Suspension Points



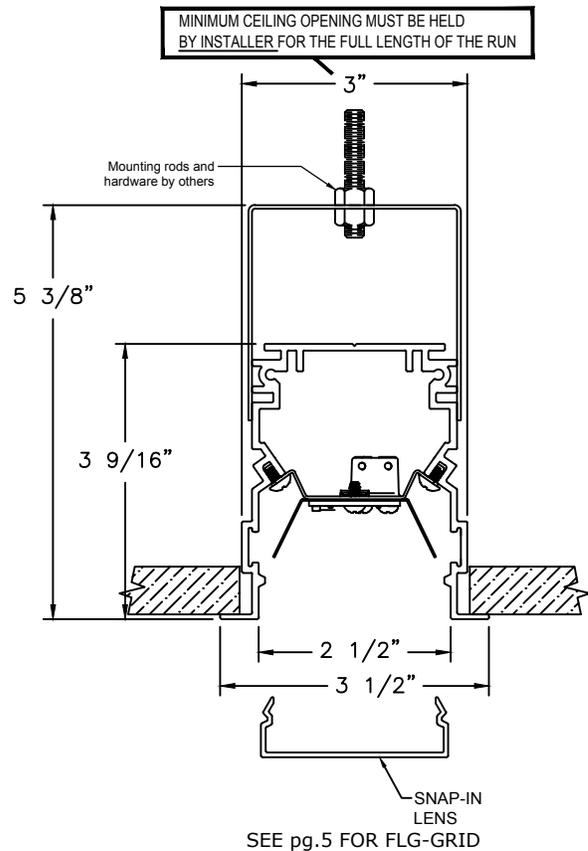
Example of a continuous row

Individual Installation - Gypsum board (GB) ceiling

FIXTURES TO BE INSTALLED PER NEC "MEANS OF SUPPORT AND ALL FEDERAL, NATIONAL AND LOCAL BUILDING CODES.

FIXTURE MUST BE INSTALLED BEFORE CEILING SYSTEM.

1. FIXTURE TO BE INSTALLED BEFORE CEILING.
2. LIFT FIXTURE INTO PLACE. HANDLE FIXTURE CAREFULLY TO AVOID BOWING AND/OR FIXTURE DISTORTION. INSTALLED FIXTURE TO BE LEVELED TO GYPSUM BOARD CEILING.
3. E.C. TO SECURE FIXTURE PER NEC CODE, VIA THREADED RODS, WIRE TIES OR OTHER MEANS (HARDWARE SUPPLIED BY E.C.).
4. MAKE SURE POWER IS OFF AT ELECTRICAL PANEL. REFERENCE LAYOUT FOR FEED LOCATIONS. WIRES "STICK OUT" OF 7/8" HOLE. MAKE ELECTRICAL CONNECTIONS (SEE DETAIL, NEXT PAGE).
5. PUSH WIRES INTO HOUSING. SECURE WHIP TO HOUSING. INSTALL THREADED RODS INTO HOUSING SUPPORT BRACKET. NOTE HEIGHT DIMENSIONS.
6. FOR CONTINUOUS ROWS INSTALL BOR-BEGINNING OF ROW MOR-MIDDLE OF ROW AND EOR-END OF ROW FIXTURE SECTION PER PLAN.
7. FOR SINGLE CIRCUIT CONNECT THRU WIRING HARNESS FOR ALL FIXTURES. INSTALL ANY ADDITIONAL FEEDS AND DEAD-END CIRCUITS AS REQUIRED.
8. INSTALL AND SECURE GYPSUM BOARD CEILING.
9. TURN ON POWER.

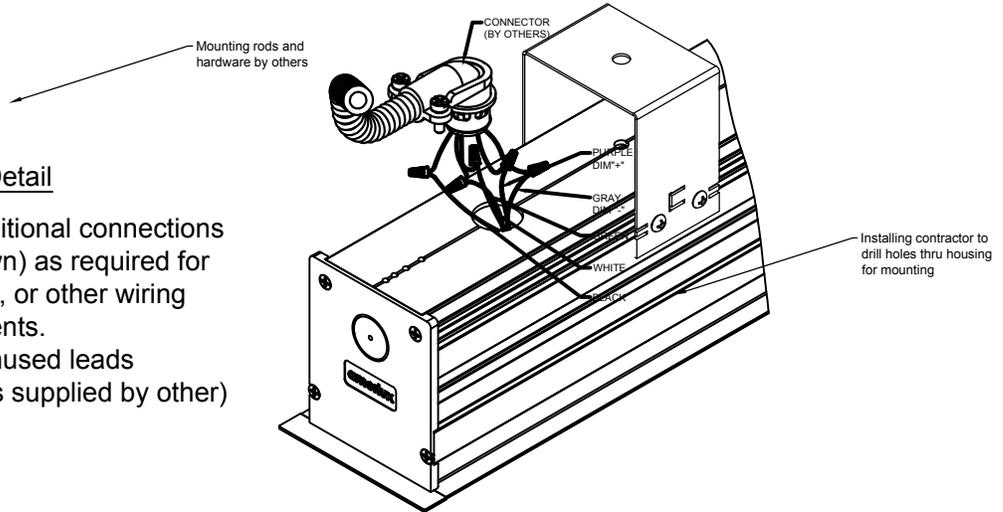




Electrical connections:

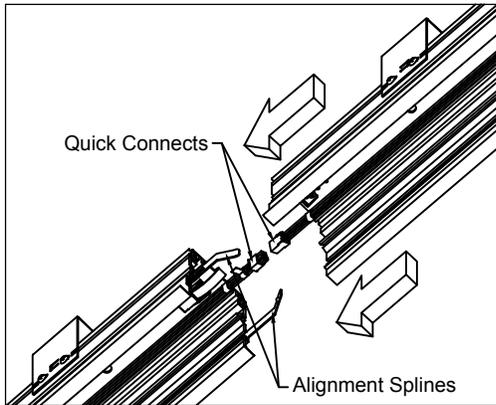
Feed Detail

Note: Additional connections (not shown) as required for EM circuit, or other wiring requirements.
Cap all unused leads
(Wire nuts supplied by other)



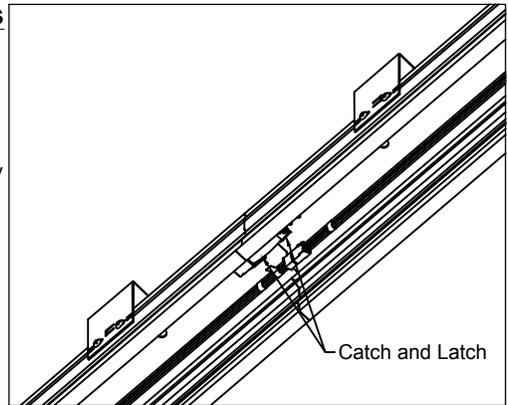
Assembling Continuous Rows-

a. Housing Assembly



Joining the Housings

1. Bring segments close.
2. Connect each reflector assembly via quick connect plugs.
3. Line up the two housings by using the alignment splines.
4. Secure them together with catch and latch.

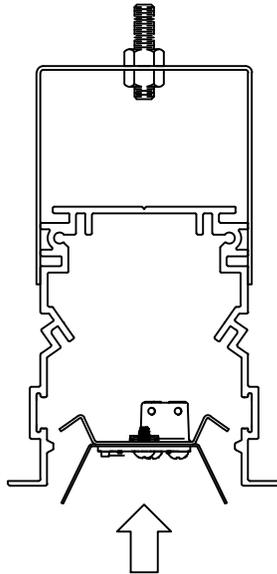




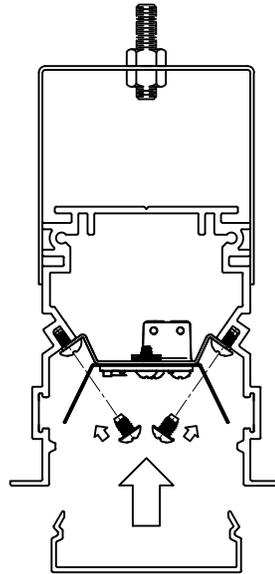
Maintenance-

Reflector Assembly Installation

(Only required to access driver)



1. Insert the reflector by tilting it into housing.



2. Secure reflector to upper area of extrusion via original screws supplied.

MAKE SURE TO DISCONNECT ALL ELECTRICAL CONNECTIONS BEFORE SERVICING.

WARNING: Electrostatic and polarity sensitive device. Use caution while handling and wiring.

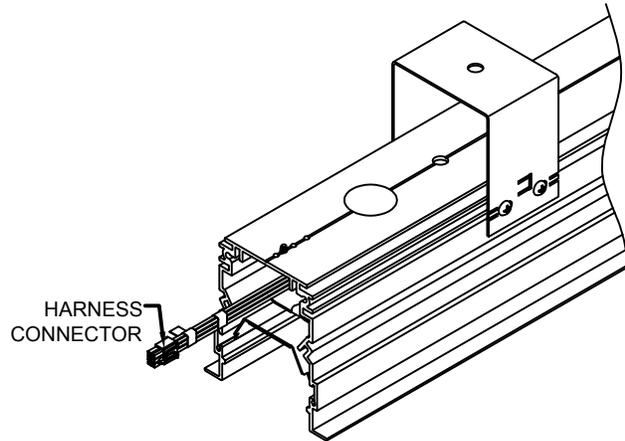
- 1.) LED Fixture: Consult Amerlux for LED maintenance.
- 2.) LED Replacement: For LED board replacement reference 689-0394 Instruction Sheet
- 3.) Driver maintenance. Drivers are located on tray beneath indirect reflectors. Remove reflector mounting screws to access. For **programmable** driver replacement please specify: **Manufacturer, Model No.** and **Current Setting** (mA). See 710-0134 Wiring Schematic for more details.

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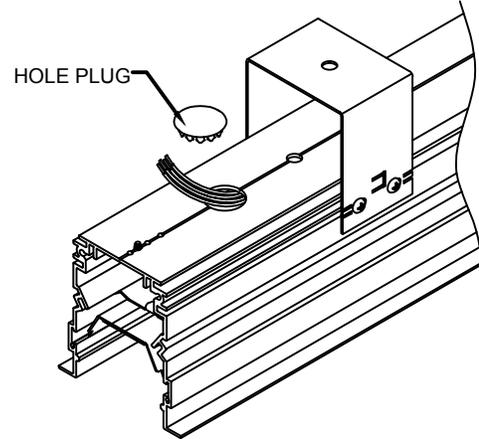


Additional feed (if required)

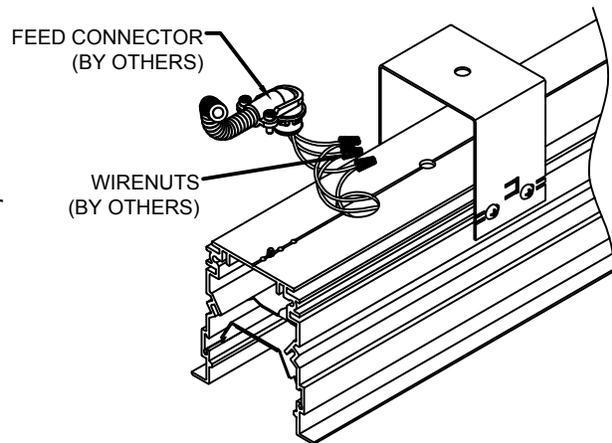
1. Cut off harness connector



2. Remove hole plug or knock-out.
3. Pass harness wires through feed hole.



4. Splice harness wires to feed connector wires using wirenuts (by others).
5. Install feed connector.





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INSTALLATION INSTRUCTIONS
SHEET #: 689-0415 (page 5 of 10)

SPEC. SHEET
REFERENCE:
GRUV - EX - FLG/GRID

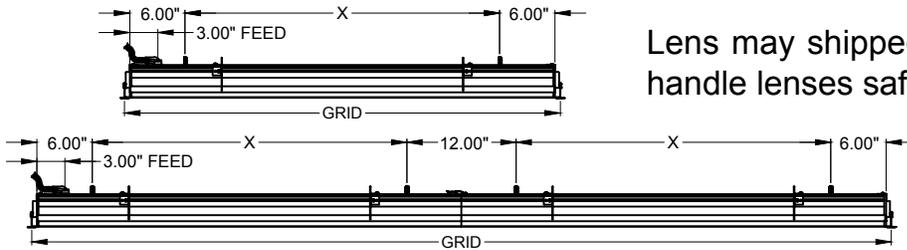
GRUV2.5 - EX - FLANGE/GRID (LED) STANDARD

Gyp Board Ceiling

WARNING - RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. FIXTURE IS INTENDED FOR INSTALLATION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AND FEDERAL SPECIFICATIONS. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

RETAIN THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE.

Suspension Points

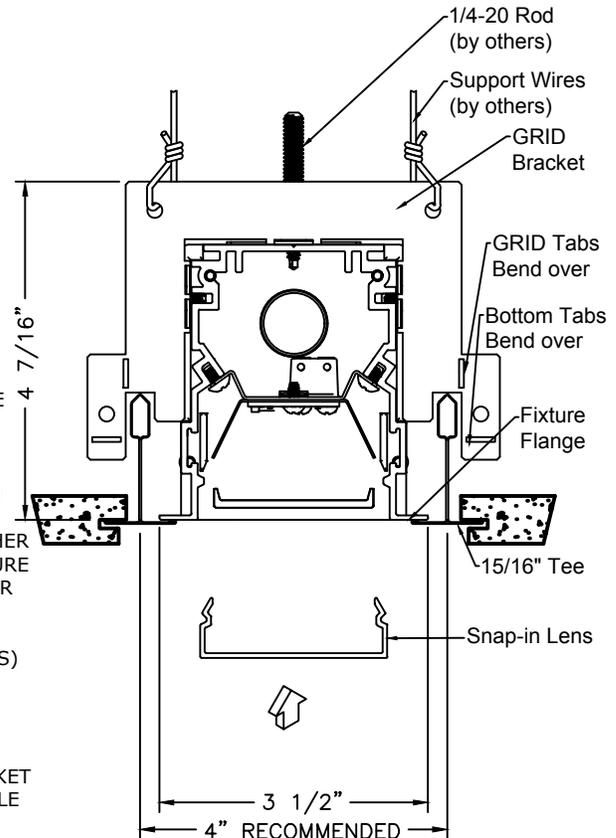
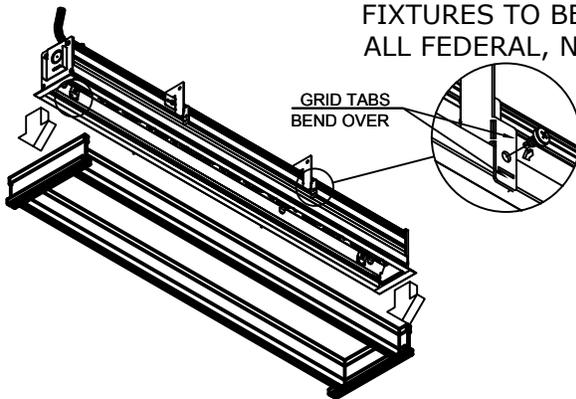


Example of a continuous row

Lens may shipped separately. Store and handle lenses safely until installed.

Individual Installation - (INDIVIDUAL FIXTURE SHIPPED AS SHOWN)

FIXTURES TO BE INSTALLED PER NEC "MEANS OF SUPPORT" AND ALL FEDERAL, NATIONAL AND LOCAL BUILDING CODES.



- 1.) CEILING GRID TO BE INSTALLED (BY OTHERS)
- 2.) FIXTURE TO BE INSTALLED WITHIN 15/16" TEE GRID.
- 3.) LIFT FIXTURE INTO PLACE IN CEILING GRID, HANDLE FIXTURE CAREFULLY TO AVOID BOWING AND/OR FIXTURE DISTORTION. INSTALL FIXTURE INTO CEILING GRID, MAKING SURE FIXTURE FLANGE RESTS ON CEILING GRID.
- 4.) BEND GRID TABS AGAINST GRID BEAM, THEN PRESS BOTTOM TABS SECURELY AGAINST CEILING GRID BULGE. E.C. TO SECURE FIXTURE PER NEC CODE, VIA THREADED ROD, WIRE TIES OR OTHER MEANS (HARDWARE SUPPLIED BY E.C.). FOR SEISMIC AREA SECURE FIXTURE TO BEAM WITH SELF-DRILLING SCREWS (BY OTHERS) OR OTHER MEANS.
- 5.) MAKE SURE POWER IS OFF AT ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTION OF POWER/CONTROL FEED (BY OTHERS) AND FIXTURE FEED WIRES (SEE DETAIL ON PAGE 2).
- 6.) INSTALL FEED CONNECTOR (BY OTHERS) INTO FIXTURE 7/8" HOUSING HOLE.
- 7.) BRING LENS TO THE FIXTURE IF LENS SHIPPED SEPARATELY. ATTACH LENS SAFETY CABLE TO THE HOLE ON REFLECTOR BRACKET (TWO PLACES). DO NOT TOUCH LED BOARD TO PREVENT POSSIBLE LED DAMAGE. INSTALL LENS.
- 8.) RESTORE POWER.

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INSTALLATION INSTRUCTIONS
SHEET #: 689-0415 (page 6 of 10)

SPEC. SHEET
REFERENCE:
GRUV-EX-FLG/GRID

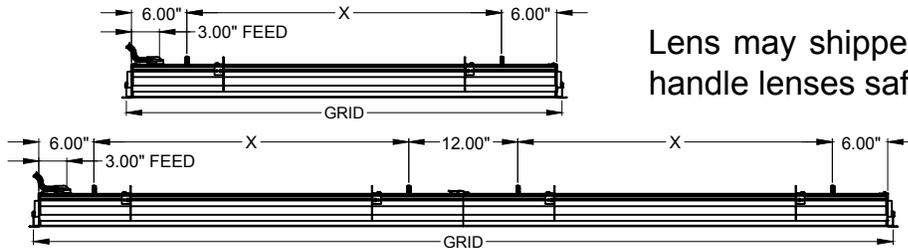
GRUV2.5 - EX - FLANGE (LED) CUSTOM LENS

Gyp Board Ceiling

WARNING - RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. FIXTURE IS INTENDED FOR INSTALLATION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AND FEDERAL SPECIFICATIONS. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

RETAIN THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE.

Suspension Points

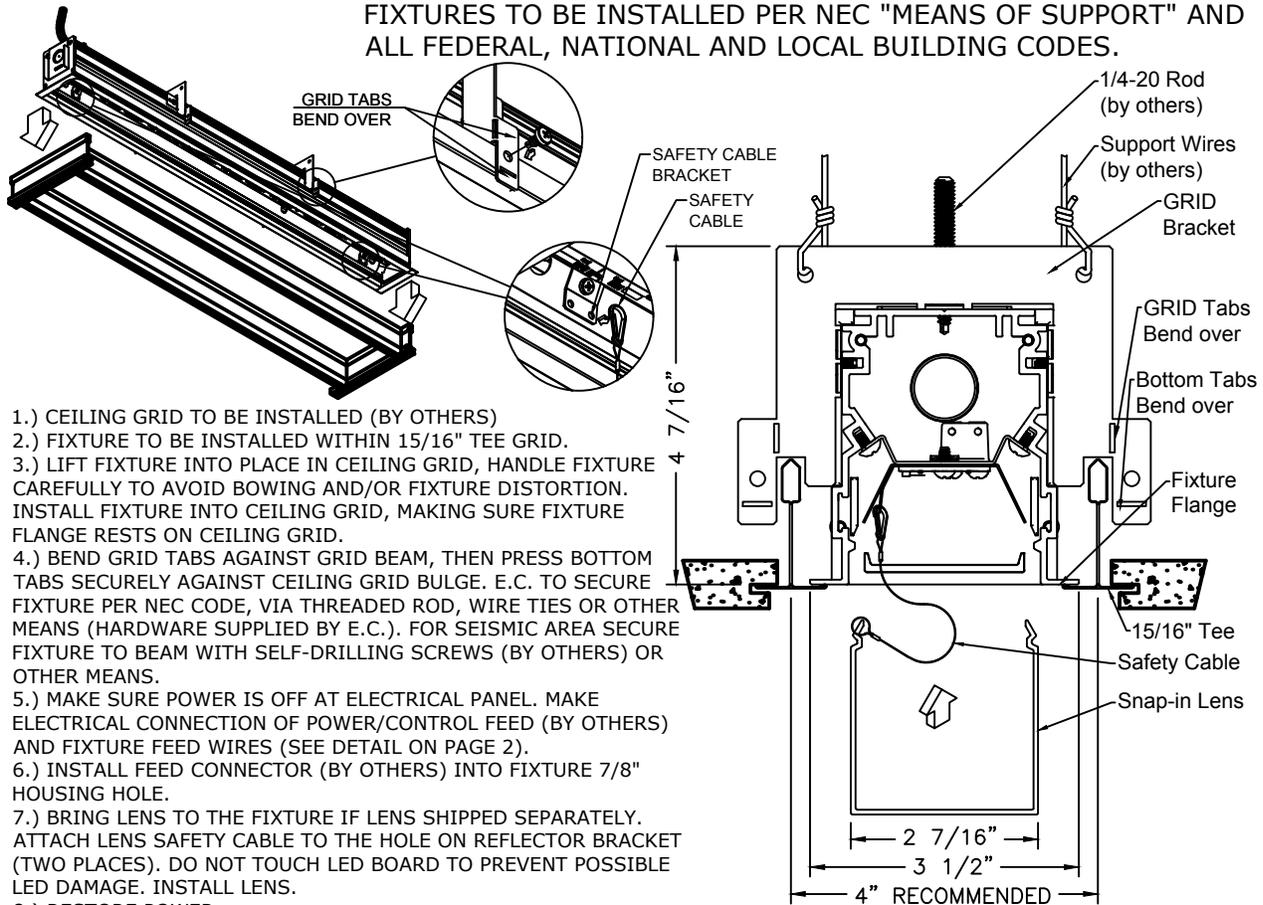


Lens may shipped separately. Store and handle lenses safely until installed.

Example of a continuous row

Individual Installation - (INDIVIDUAL FIXTURE SHIPPED AS SHOWN)

FIXTURES TO BE INSTALLED PER NEC "MEANS OF SUPPORT" AND ALL FEDERAL, NATIONAL AND LOCAL BUILDING CODES.



- 1.) CEILING GRID TO BE INSTALLED (BY OTHERS)
- 2.) FIXTURE TO BE INSTALLED WITHIN 15/16" TEE GRID.
- 3.) LIFT FIXTURE INTO PLACE IN CEILING GRID, HANDLE FIXTURE CAREFULLY TO AVOID BOWING AND/OR FIXTURE DISTORTION. INSTALL FIXTURE INTO CEILING GRID, MAKING SURE FIXTURE FLANGE RESTS ON CEILING GRID.
- 4.) BEND GRID TABS AGAINST GRID BEAM, THEN PRESS BOTTOM TABS SECURELY AGAINST CEILING GRID BULGE. E.C. TO SECURE FIXTURE PER NEC CODE, VIA THREADED ROD, WIRE TIES OR OTHER MEANS (HARDWARE SUPPLIED BY E.C.). FOR SEISMIC AREA SECURE FIXTURE TO BEAM WITH SELF-DRILLING SCREWS (BY OTHERS) OR OTHER MEANS.
- 5.) MAKE SURE POWER IS OFF AT ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTION OF POWER/CONTROL FEED (BY OTHERS) AND FIXTURE FEED WIRES (SEE DETAIL ON PAGE 2).
- 6.) INSTALL FEED CONNECTOR (BY OTHERS) INTO FIXTURE 7/8" HOUSING HOLE.
- 7.) BRING LENS TO THE FIXTURE IF LENS SHIPPED SEPARATELY. ATTACH LENS SAFETY CABLE TO THE HOLE ON REFLECTOR BRACKET (TWO PLACES). DO NOT TOUCH LED BOARD TO PREVENT POSSIBLE LED DAMAGE. INSTALL LENS.
- 8.) RESTORE POWER.

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INSTALLATION INSTRUCTIONS

SHEET #: 689-0415 (page 7 of 10)

SPEC. SHEET
REFERENCE:
GRUV-EX-FLG/GRID

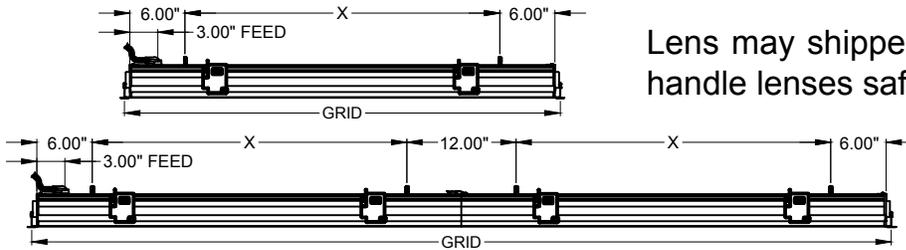
GRUV2.5 - FLG-GRID-MOD-BRACKETS (OP)

Gyp Board Ceiling

WARNING - RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. FIXTURE IS INTENDED FOR INSTALLATION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AND FEDERAL SPECIFICATIONS. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

RETAIN THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE.

Suspension Points

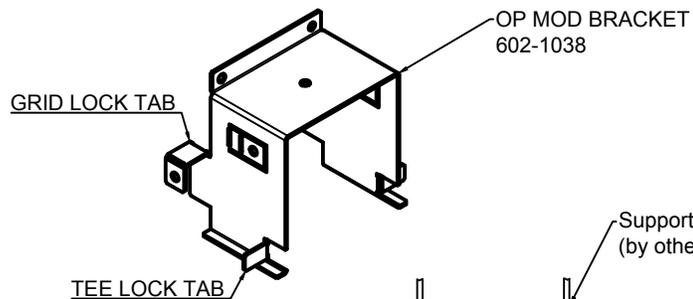
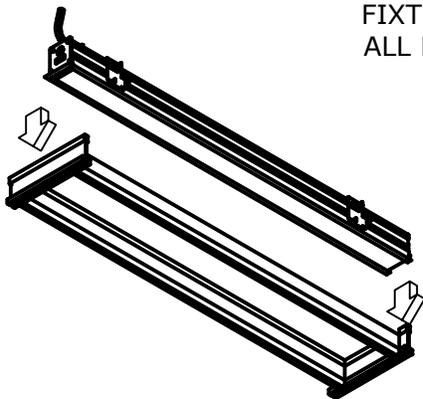


Example of a continuous row

Lens may shipped separately. Store and handle lenses safely until installed.

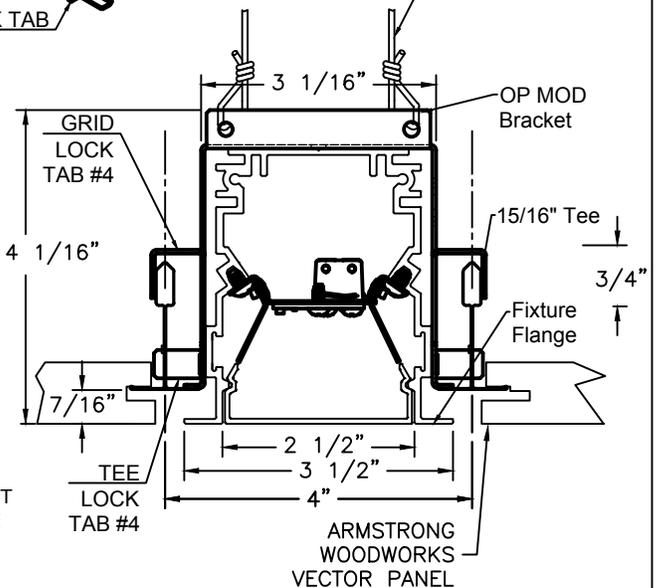
Individual Installation - (INDIVIDUAL FIXTURE SHIPPED AS SHOWN)

FIXTURES TO BE INSTALLED PER NEC "MEANS OF SUPPORT" AND ALL FEDERAL, NATIONAL AND LOCAL BUILDING CODES.



Support Wires
(by others)

- 1.) CEILING GRID TO BE INSTALLED (BY OTHERS)
- 2.) FIXTURE TO BE INSTALLED WITHIN 15/16" TEE GRID.
- 3.) LIFT FIXTURE INTO PLACE IN CEILING GRID, HANDLE FIXTURE CAREFULLY TO AVOID BOWING AND/OR FIXTURE DISTORTION. INSTALL FIXTURE INTO CEILING GRID, MAKING SURE FIXTURE BRACKET RESTS ON CEILING GRID.
- 4.) BEND GRID LOCK TABS AROUND GRID BEAM, THEN BEND TEE LOCK TABS SECURELY AGAINST GRID. E.C. TO SECURE FIXTURE PER NEC CODE, VIA THREADED ROD, WIRE TIES OR OTHER MEANS (HARDWARE SUPPLIED BY E.C.). FOR SEISMIC AREA SECURE FIXTURE TO BEAM WITH SELF-DRILLING SCREWS (BY OTHERS) OR OTHER MEANS.
- 5.) MAKE SURE POWER IS OFF AT ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTION OF POWER/CONTROL FEED (BY OTHERS) AND FIXTURE FEED WIRES (SEE DETAIL ON PAGE 2).
- 6.) INSTALL FEED CONNECTOR (BY OTHERS) INTO FIXTURE 7/8" HOUSING HOLE.
- 7.) BRING LENS TO THE FIXTURE IF LENS SHIPPED SEPARATELY. ATTACH LENS SAFETY CABLE TO THE HOLE ON REFLECTOR BRACKET (TWO PLACES). DO NOT TOUCH LED BOARD TO PREVENT POSSIBLE LED DAMAGE. INSTALL LENS.
- 8.) RESTORE POWER.



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INSTALLATION INSTRUCTIONS
SHEET #: 689-0415 (page 8 of 10)

SPEC. SHEET
REFERENCE:
GRUV - EX - FLANGE

GRUV2.5 - EX - FLANGE (FLUORESCENT)

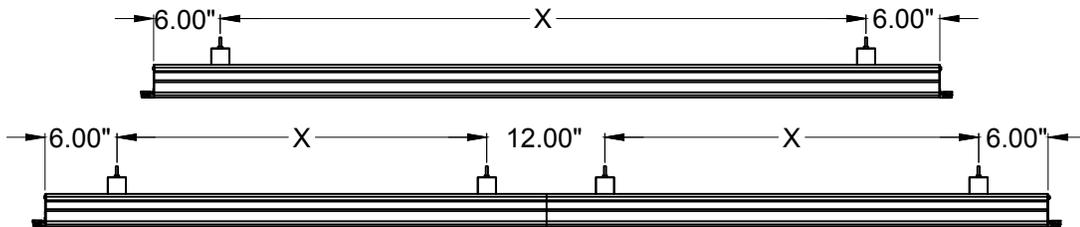
Gyp Board Ceiling

See sheets 5-7 for Flange-Grid (LED)

WARNING - RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. FIXTURE IS INTENDED FOR INSTALLATION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AND FEDERAL SPECIFICATIONS. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

RETAIN THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE.

Suspension Points



Example of a continuous row

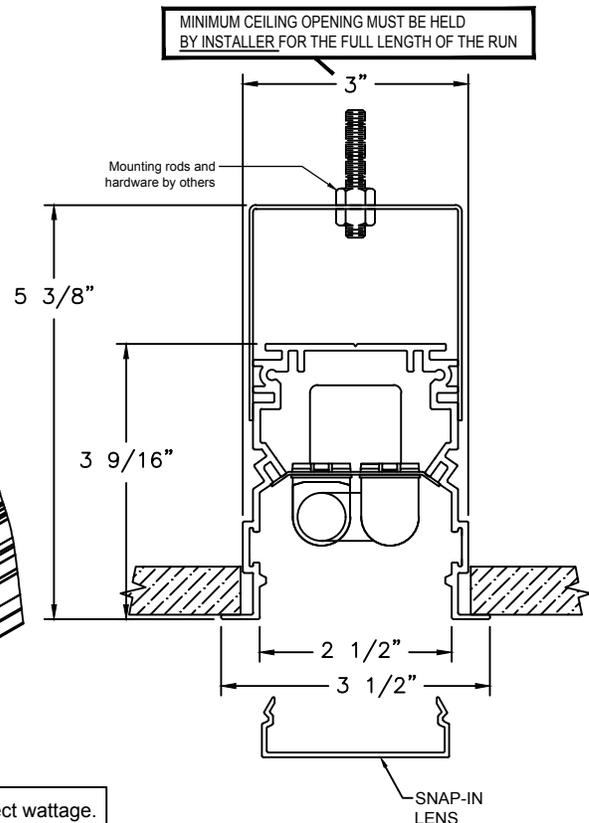
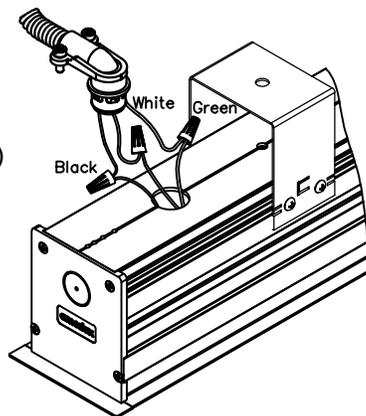
1. Individual Installation - (Individual fixture shipped as shown.)

Fixture must be installed before ceiling system.

1. Remove Lens
2. Loosen screws to remove reflector assembly (STORE SAFELY)
3. Make sure power is off at electrical panel. Reference layout for feed locations. Wires "stick out" of 7/8" hole. Make electrical connections.
4. Push wires into housing. Secure whip to housing.
5. Install Threaded Rods into Housing Support Brackets, (2) per fixture. Note height dimensions. Secure with hardware (by others)
6. Re-Install reflector, Install lamps, and install lens.

Feed Detail

Note: Additional connections (not shown) as required for dimming, EM, or other wiring requirements. Cap all unused leads (Wire nuts supplied by other)



SEE SHEETS 5-7 FOR FLG-GRID (LED)

MAINTENANCE

1. **Install correct lamps.** See relamping label on reflector for the correct wattage.
2. **Ballast maintenance.** Ballasts are located on opposite side of reflector. Remove the screws mounting the reflector to access.

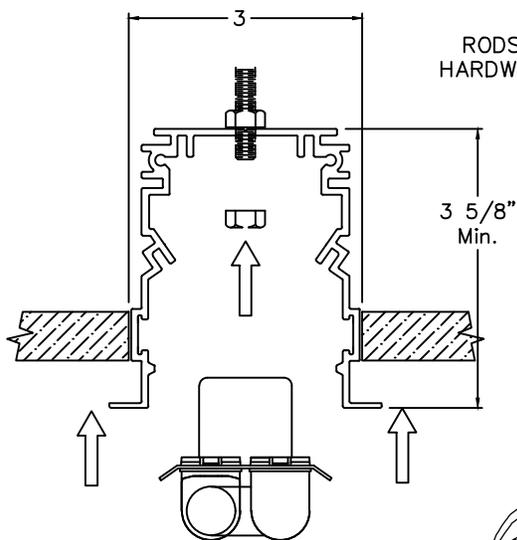
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Alternate support methods: rod, blocking (installing into existing ceiling)
(Note: blocking or rods must be in place as shown before ceiling installation or E.C. must have means of installing blocking or rods after ceiling installation)

Threaded Rod (Preferred Method)

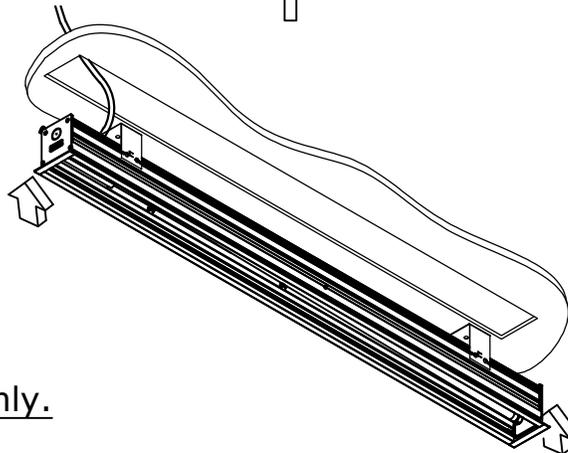
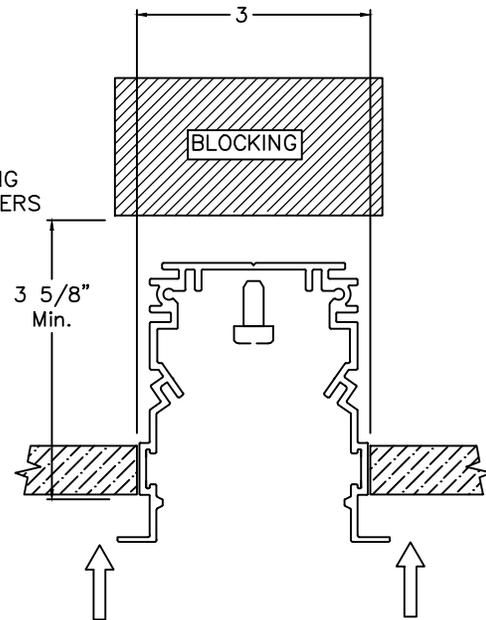
Cut Opening in ceiling to be (3" wide) X (O.A.L.(as specified) minus 3/4") (maintain square cut over length)

To access Ø5/16" mounting holes in extruded housing, raised mounting brackets must be removed for both of these options (4 screws each).



RODS & MOUNTING
HARDWARE BY OTHERS

Blocking (Alternate Method)



This sheet for fluorescent only.

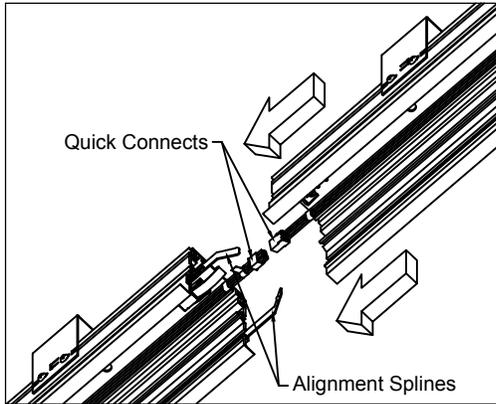
MAKE SURE TO DISCONNECT ALL ELECTRICAL CONNECTIONS BEFORE RELAMPING.

1. **Install correct lamps.** See relamping label on reflector for the correct wattage.
2. **Ballast maintenance.** Ballasts are located on opposite side of reflector. Remove the screws mounting the reflector to access.



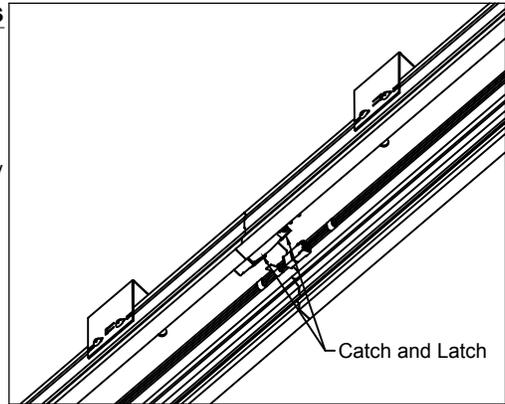
2. Assembling Continuous Rows-

a. Housing Assembly

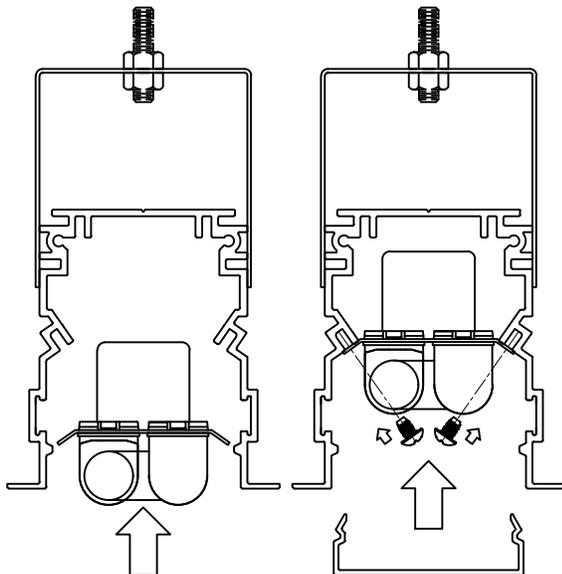


Joining the Housings

1. Bring segments close.
2. Connect each reflector assembly via quick connect plugs.
3. Line up the two housings by using the alignment splines.
4. Secure them together with catch and latch.

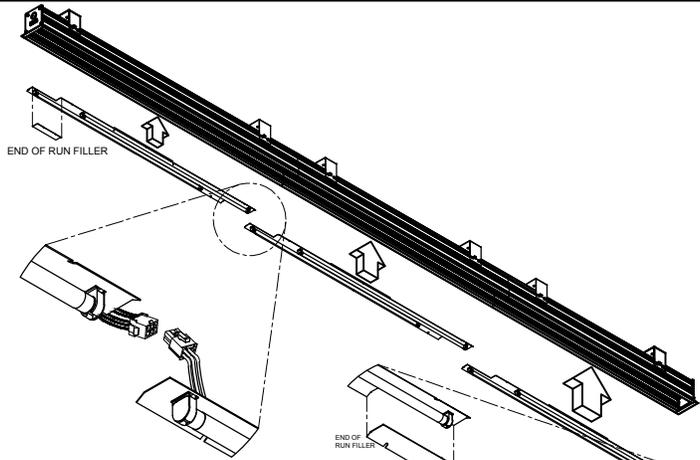


b. Reflector Assembly Installation (Only require for "blocking" support method or to access ballast)



1. Insert the reflector by tilting it into housing.

2. Secure reflector to upper area of extrusion via original screws supplied.



- For continuous runs, connect each reflector assembly via quick connect plugs before installation.

- For staggered lamp fixtures, filler pieces will be supplied for the beginning and end of the run. They are to be secured to the extrusion the same way as the reflector assemblies.

MAKE SURE TO DISCONNECT ALL ELECTRICAL CONNECTIONS BEFORE RELAMPING.

1. Install correct lamps. See relamping label on reflector for the correct wattage.
2. Ballast maintenance. Ballasts are located on opposite side of reflector. Remove the screws mounting the reflector to access.

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