

FRM SERIES

INSTALLATION INSTRUCTIONS



WARNING:

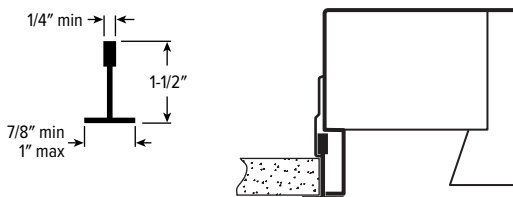
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded for protection against shock hazards and to assure proper operation.
- Disconnect power before servicing.
- LEDs are ESD (Electro Static Discharge) sensitive devices that can be easily damaged if the proper ESD mitigating steps are not taken.
- LEDs are very sensitive to mechanical damage. Caution must be taken to avoid damage to the LEDs.
- ESD or mechanical damage voids all warranties.
- Suitable for dry and damp locations.

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NEMA TYPE "G" (GRID) INSTALLATION

Designed to fit securely into a standard NEMA Type "G", 1" nominal T-bar system.



FIXTURE INSTALLATION

STEP 1: Install the fixture(s) into a NEMA Type "G" ceiling system:

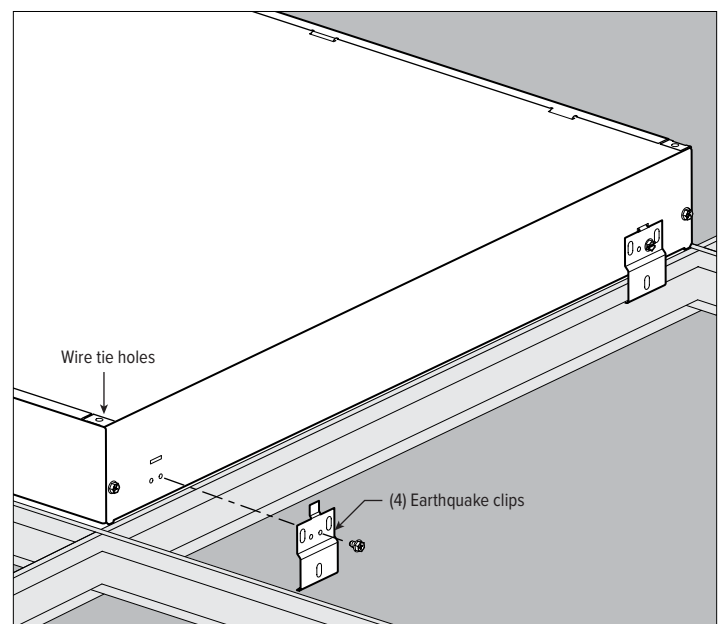
- Raise the fixture through the ceiling opening and rest the fixture in the grid system.
- Center the fixture within the opening.
- Use holes on end plates for wire tie off installation. See FIG 2.2

STEP 2: OPTIONAL STEP: Install earthquake clips. See FIG 2.2

When specified, factory provided combination earthquake and N.E.C. T-bar clips are used to secure fixtures to NEMA ceiling types G, SS and NFG for added stability.

- Lower the fixture into the grid.
- Install the tab into the fixture slot, then tighten (4) earthquake clips completely so they grip the T-Bar, preventing the fixture from being lifted out of the grid.

FIG 2.2 EARTHQUAKE CLIP INSTALLATION

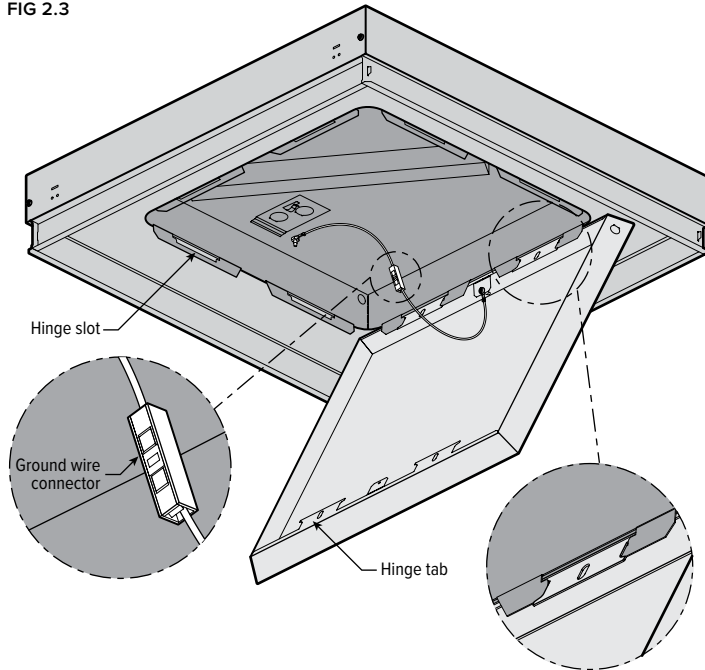


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CENTER PANEL INSTALLATION

FIG 2.3



STEP 3: Lift the center panel up to the lens surface.

- Push the lens up slightly (approx 5/16") to fully reveal the hinge slot cutout.
- Tilt slightly (5-10°) to engage the hinge tabs on one set of hinge slots in the center frame assembly. See FIG 3.1
- Once in position, feed the center panel hinge tabs into the slots until full seated. See FIG 3.2

FIG 3.1 Tilt to engage

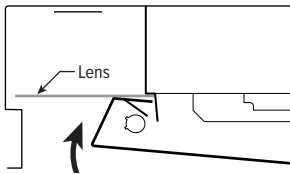
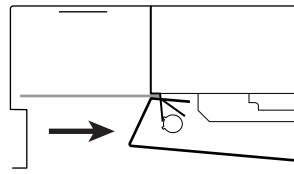


FIG 3.2 Shift to fully seat



STEP 4: With the center panel hinged open, connect the housing ground wire to the center panel ground wire using the connector, provided. See FIG 2.3

NOTE: Do not use the ground wire to support the weight of the center panel. **THE GROUND WIRE IS NOT A SAFETY CABLE.**

STEP 5: With the first tabs seated, the other set of tabs should clear the tab slot flange on the opposite end.

- Push the center panel up into the lens on the end not yet engaged. The center panel should now be parallel with the fixture surface. See FIG 5.1
- Shift the center panel to the centered position to engage the tabs. All (4) tabs should now be engaged. See FIG 5.2
- With the center panel centered, slowly lower the center panel to align the tabs in the tab slots. See FIG 5.3

FIG 5.1 Push up to engage

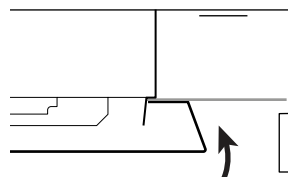


FIG 5.2 Shift to fully seat

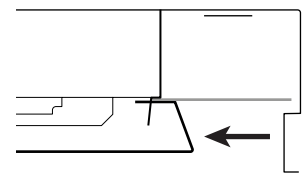
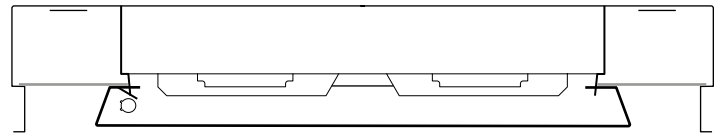


FIG 5.3 Fully aligned and centered



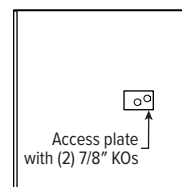
STEP 6: To access the driver area, push up on the center panel, shift to disengage one set of tabs, then lower disengaged end to hinge down, leaving one set of tabs engaged.

ELECTRICAL CONNECTIONS

STEP 7: Complete necessary electrical connections per NEC and all applicable local electrical codes.

See FIG 7.2 CROSS SECTIONS and FIG 7.3 WIRING DIAGRAM

FIG 7.2 2x2 Back View



2x4 Back View

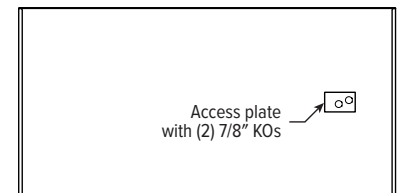


FIG 7.3 WIRING DIAGRAM

