

KL F/EZ Series Flanged Fixture Installation Instructions for Drywall or Plaster Ceilings

Important Safeguards

When Installing Electrical Equipment, Basic Safety Precautions Must Always Be Followed, including the following:

Do Not Use This Product For Other Than Intended Use.

Caution: Installation Must Be Performed By Qualified Service Personnel.

Installation Shall be done in accordance with the wiring methods given in the NEC, NFPA 70 Art. 410, 500 & 501-4(b). (as applicable)

Use of Accessory Equipment Not Recommended by the Manufacturer May Cause an Unsafe Condition.

Read and Follow All Instructional and Cautionary Labels Found On or In This Fixture.

Ceiling Must Be Flat (Horizontal) To The Standard Tolerance of 1/8" vertical change over 10 feet..

Read and Follow All Safety Instructions

You have purchased the one of the finest cleanroom lighting products. They are compatible with the most severe environments. When properly installed it will provide decades of service without needing repair or service. Please read and understand the following instructions before beginning installation. Call 1-800-837-8937 for assistance.

1. With fixture body resting face up on a stable surface, open doorframe using doorframe removal tool. To release the door, squeeze the torsion springs and slip them through the slot. Remove safety cables if required. (Remember to reattach safety cables later in step #17)
2. Set door aside and remove reflector.
3. **For Hazardous Locations:**
 - A.) Select **One** 7/8" knockout for supply connection. Locate internal plate inside fixture covering the selected knockout and remove using a screwdriver. Pry plate free of housing surface and remove sealant from area.**For ordinary locations:**
 - B.) Select 7/8" knockouts for supply connection. Remove silicone seal from knockout area.
4. Create the Supply entrance hole in the housing by removing the revealed knockout using a screwdriver. (For hazardous locations: Use only the one Meyers ST-1 hub provided.)
5. Remove all debris from the inside of the fixture.
6. For hazardous locations: Attach Meyers ST-1 Hub to hole from outside being sure that the gasket mates with the outer surface of the fixture. Tighten securely to housing using the nut provided.
7. Prepare a mounting surface capable of reliably supporting more than the weight of the fixture according to applicable building codes. Ceiling cutout size is found on each fixtures catalog page. Take care in creating the ceiling cutout being sure that it is rectangular in shape having right angles.
8. Note: Ceiling cutout must be reinforced from above using structural materials capable of supporting the fixtures weight under all loads. Use holes in yokes to provide seismic support according to local codes.
9. Assemble Yokes with carriage bolts and nuts so that the length of the bolts extends to the center of the U-shaped yoke.
10. Secure Yokes to ceiling structure so that square holes align with 1/2" dia knockouts in housing. (Note: These are different than the 1/2 inch trade size (7/8" dia.) supply entry knockouts.)
11. Rough in supply conduit and connections according to the NEC and local requirements using minimum 90C supply wiring materials.
12. (This task may require two service people.) Lift fixture into ceiling cutout mating fixture with carriage bolts and secure with nuts provided.
13. After you are sure that all four carriage bolts are supporting the fixture, tighten evenly, drawing the fixture up into the ceiling. Stop when flange is 2" below ceiling to perform step #12 if necessary.
14. (Optional) Caulk using site approved materials (provided by others) the flange of fixture to ceiling and any adjacent fixtures and continue tightening until fixture is flush with ceiling. The fixture must be flush with ceiling and the ceiling must be flat (horizontal) to the standard tolerance of 1/8" over 10 feet.. (*Variations in ceiling flatness can make the fixture flange extend away from the ceiling creating unwanted crevices*)
15. Remove excess caulk from flange and ceiling.
16. Remove any protective films from the reflective or outer surfaces as provided.
17. Replace reflector and secure by tightening screws.
18. Install only the rated lamps as marked on fixture.
19. Re-attach safety cables.
20. Secure doorframe to housing by inserting all the torsion springs into the slots on the housing, starting with the cable supported side first, keeping the door extended from the body.

[The torsion springs are designed to stop at the extended position and requires force to begin closing. Be careful: The doorframe will close quickly and may cause injury if your hand or finger are between the door and housing when the door is pushed closed.]
18. Center the door over the housing and evenly push the doorframe up. As the frame nears the housing it will quickly complete the closure and center itself on the housing. Inspect that it has done so. If the door is not sealed or is not contacting the ceiling, use the tool to open and re-close the doorframe.
19. Opening The Fixture: The opening tool is designed to be use on the stainless steel frame only. Center it on the clean metal surface near a corner and press the cups tight to the frame. With one hand on the ceiling near the corner and the other on tool, pull evenly on the tool using a single quick motion. If suction cups detach prematurely make sure that they and the surface are clean. Sometimes a little water in the cups can help for especially difficult situations.
20. Energize fixture with rated voltage from a protected branch circuit.
21. Do Not Open or Service Fixture While Energized. Always Disconnect Power from supply before servicing.
22. Do Not Operate Fixture when damaged or not completely sealed.

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KL F/EZ 2x4
Ceiling Cutout

