

CRM Toggle Arm Flanged Fixture Installation Instructions for Plaster or Drywall 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.

Read and Follow All Safety Instructions

Prepare Fixture:

With fixture body resting face up on a stable surface, open doorframe and remove internal reflector. (You may remove doorframe at this point if desired.)

Select knockouts for supply connection. Remove silicone seal from knockout area. Create the Supply entrance hole in the housing by removing the revealed knockout using a screwdriver.

Remove all debris from the inside of the fixture.

(Optional: Attach a 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.)

Prepare Ceiling:

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.

For continuous row mounted fixtures (CRM option).

Ceiling cutout details are factory provided. Contact factory for copies.

Note: Ceiling cutout must be reinforced from above using structural materials capable of supporting the fixtures weight under all loads

Prepare Supply System:

Rough in supply conduit and connections according to the NEC and local requirements using minimum 90C supply wiring materials. Align fixture with conduit fitting and secure fitting and electrical connections.

Install Fixture:

(This task may require two service people.)

Lift fixture into ceiling cutout and adjust toggle arms so that the swing arm is fully extended and firmly rests on the ceiling structural channels (by others). Toggle arms are adjusted by turning the four (4) Phillips head 1/4-20 screws located within the housing.

After you are sure that all four toggle arms are supporting the fixture, tighten each toggle arm evenly, drawing the fixture up into the ceiling. Stop when flange is 2" below ceiling.

CRM: Note that each fixture is made with flanges only located where they will contact the ceiling. There are two types of fixtures provided for CRM installation. End fixtures have three flanges and Center fixtures only two. Install a end fixture first according to all these instructions without completing the **Finishing Steps** below.

Seal Fixture Housing to structure:

Caulk (using only site approved sealant materials provided by others) the flange of fixture to ceiling and any adjacent fixtures and continue tightening toggle arms until fixture is flush with ceiling. Remove excess caulk from flange and ceiling.

Note: If ceiling will be coated after installation be sure you have compatible sealants.

Apply a thin bead of sealant to the fixture mating surfaces. Prepare the next fixture in the row as before and then secure it to the first fixture by the holes located in the endplates of each fixture using the provided screws and nuts. Tighten securely. Remove excess caulk from flange and ceiling.

Finishing Steps:

Remove any protective films from the reflective or outer surfaces as provided.

Replace reflector and secure by tightening screws.

Reattach doorframe if removed earlier.

Install only the rated lamps as marked on fixture.

Tightly Secure doorframe using a screwdriver.

Energize fixture with rated voltage from a protected branch circuit.

Warnings:

Do Not Open or Service Fixture While Energized. Always Disconnect Power from supply before servicing. Do Not Operate Fixture when damaged or not completely sealed.