

MEDICAL TROFFER

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 wet location under covered ceiling.

TABLE OF CONTENTS

NEMA TYPE "G" INSTALLATION.....	1	NEMA TYPE "F" INSTALLATION.....	2
SWING-OUT ARM FIELD CONVERSION.....	3		

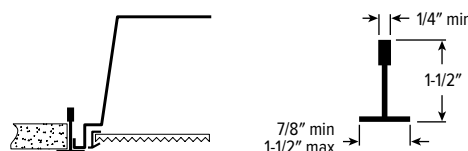
FOR USE WITH:

- MCT
- MST
- MDS

NEMA TYPE "G" (SEE PAGE 2 FOR NEMA TYPE "F" INSTALLATION)

WHAT IS A NEMA "G" (GRID) FIXTURE?

All Williams grid fixtures (NEMA Type "G") are designed to fit securely into a standard NEMA Type "G", 1" nominal T-bar system.

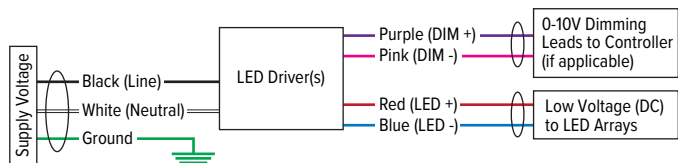


A. INSTALLATION

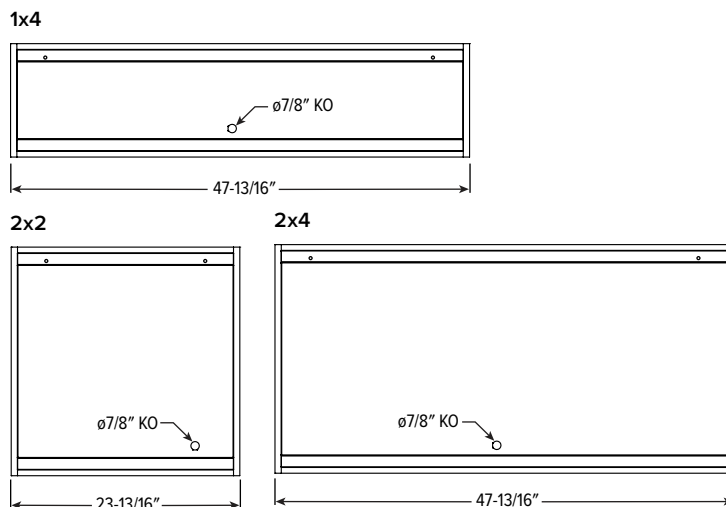
- STEP 1:** Follow the steps below to install the fixture(s) into a ceiling system:
- A. Raise the fixture through the ceiling opening and rest the fixture in the grid system.
 - B. Center the fixture within the opening.
 - C. Use earthquake clips or integral T-bar clips to secure the fixture to the ceiling structure for added stability.
 - D. Refer to local codes for other installation requirements.
- STEP 2:** Once the fixture is installed into the ceiling system, follow the steps below to complete necessary electrical connections:
- A. Loosen screws on door frame until door releases from fixture and hangs from safety cables.
 - B. Remove wireway cover.
 - C. Remove needed KOs from fixture.
 - D. Make electrical connections in accordance with NEC and local codes. See (FIG 1).
 - E. Re-install wireway cover and door frame.

FIG 1

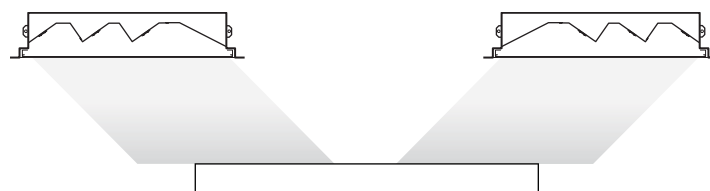
Driver/power supply disconnects accept #12 – #16 AWG stranded or solid wire. Attach power supply and ground wires using UL listed wire connectors. Consult factory for other configurations.



A. BACKVIEWS



B. DIRECTIONAL THROW (MST & MDS ONLY)



MEDICAL TROFFER

INSTALLATION INSTRUCTIONS

NEMA TYPE "F" (See page 1 for NEMA TYPE "G" installation)

MCT/MST

For continuous row mounting, add 47-13/16" for each additional fixture to obtain ceiling opening. 3/4" between end plates.

	ROUGH-IN	FINISH TRIM SIZE
1x4	11" x 46-7/8"	13-13/16" x 49-13/16"
2x2	22-7/8" x 22-7/8"	23-13/16" x 23-13/16"
2x4	22-7/8" x 46-3/4"	23-13/16" x 47-13/16"

MDS

For continuous row mounting, add finish trim size for each additional fixture.

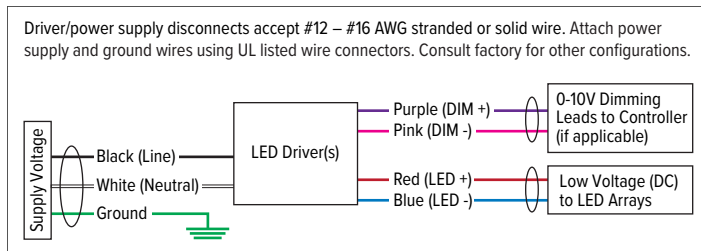
	ROUGH-IN	FINISH TRIM SIZE
1x4	12-3/8" x 48-3/8"	13-5/16" x 49-5/16"
2x2	24-3/8" x 24-3/8"	25-5/16" x 25-5/16"
2x4	24-3/8" x 48-3/8"	25-5/16" x 49-5/16"

D. INSTALLATION

STEP 1: Follow the steps below to complete necessary electrical connections:

- Remove door frame and lens assembly to expose internal components.
- Remove internal wire-way cover to expose AC driver(s) (and emergency driver(s), if equipped).
- On the back of the fixture bring incoming AC power into 7/8" KO. See BACKVIEWS on page 1 for KO locations.
- Make electrical connections per NEC and all applicable local electrical codes. (FIG 2)

FIG 2



STEP 2: Follow the steps below to install the fixture(s) into a ceiling system:

- Make sure the swing-out arms are collapsed, setting against the fixture housing. See (FIG 3). With assistance, lift the fixture into the prepared ceiling opening.
- Locate the swing-out arm screws in the fixture housing, near where the door frame would rest in the fixture. See FIG 1. Tighten the swing-out screws to engage the swing-out arms so that they clamp onto the ceiling support structure. See (FIG 4).

NOTE: Additional ceiling support may be used around the ceiling opening to aid in fixture installation.

- Once the fixture is secured and locked in place, replace the internal wire-way cover to conceal the power supply and emergency driver. Replace the door frame and lens assembly.

FIG 3

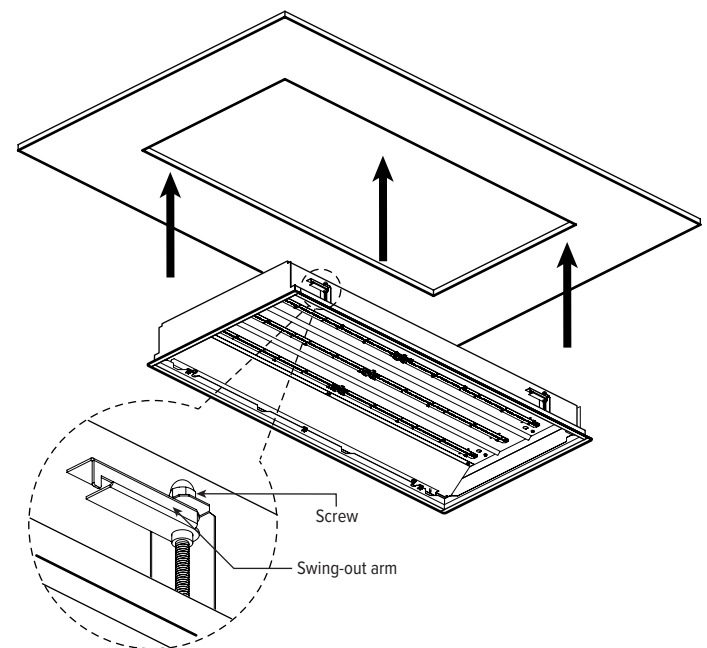
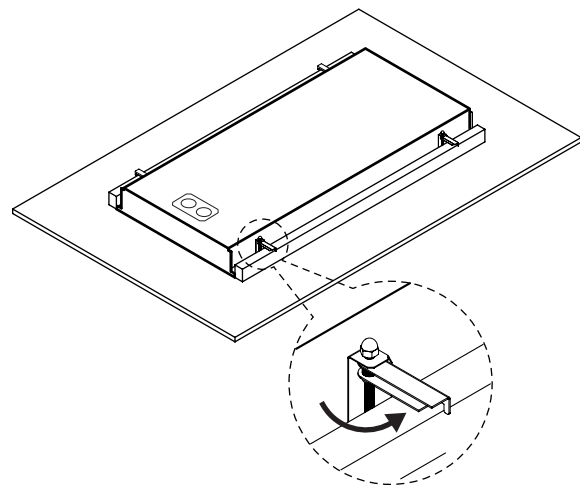


FIG 4



MEDICAL TROFFER

INSTALLATION INSTRUCTIONS

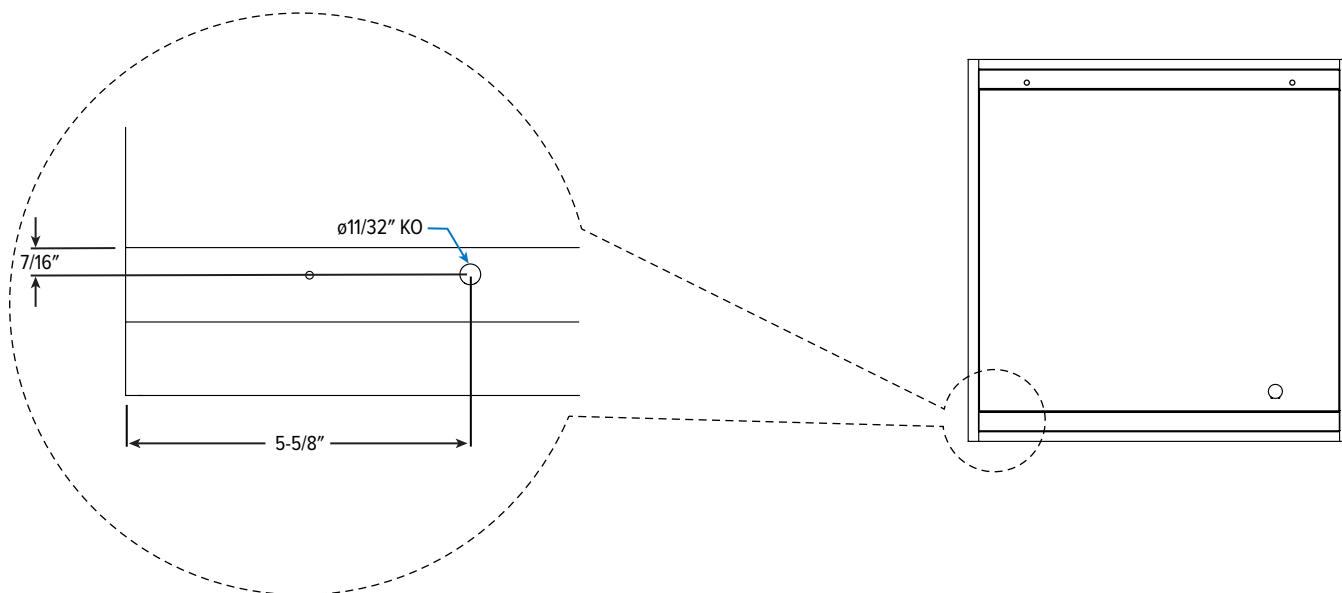
SWING-OUT ARM FIELD CONVERSION

FOR USE WHEN SWING-OUT ARMS ARE ORDERED AS AN ACCESSORY FOR NEMA TYPE G CEILING TYPE.

NOTE: Swing-out arms are factory-installed when specified with NEMA F ceiling type.

STEP 1: Drill (4) holes (one per corner).

FIG 4 BACKVIEW



STEP 2: Use either self-tapping screws or pop rivets to install swing-out arm body to fixture. Align hole in bracket body with hole that was drilled in channel.

FIG 5

