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.

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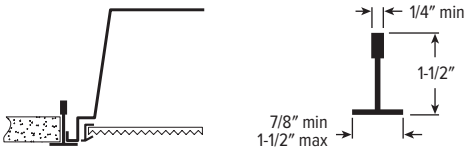
FOR USE WITH:

- MCT
- MCTV
- 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.

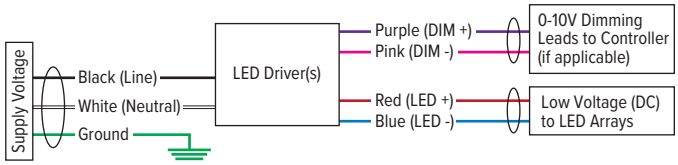
C. Remove needed KOs from fixture.

D. Make electrical connections in accordance with NEC and local codes. See (FIG 1).

E. Re-install wireway cover and door frame.

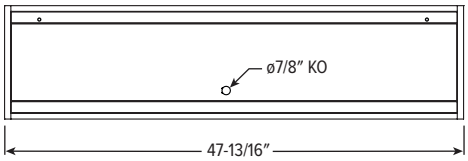
FIG 1

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.

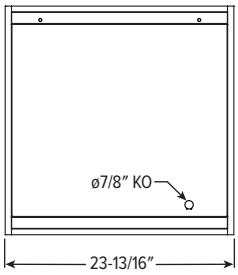


A. BACKVIEWS

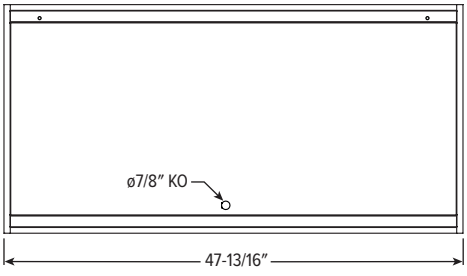
1x4



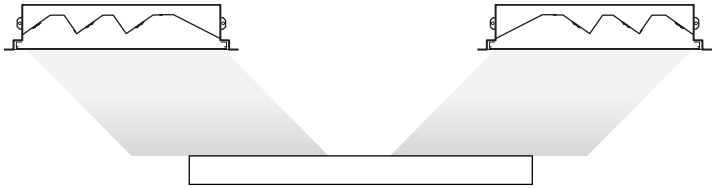
2x2



2x4

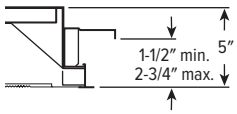


B. DIRECTIONAL THROW (MST & MDS ONLY)



MEDICAL TROFFER
INSTALLATION INSTRUCTIONS

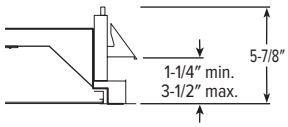
NEMA TYPE “F” (See page 1 for NEMA TYPE “G” installation)



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:

A. Remove door frame and lens assembly to expose internal components.

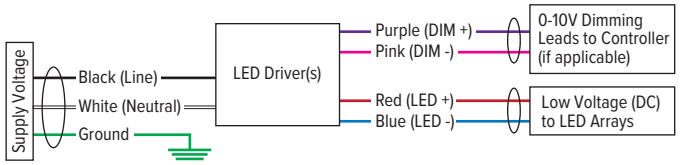
B. Remove internal wire-way cover to expose AC driver(s) (and emergency driver(s), if equipped).

C. On the back of the fixture bring incoming AC power into 7/8″ KO. See BACKVIEWS on page 1 for KO locations.

D. Make electrical connections per NEC and all applicable local electrical codes. (FIG 2)

FIG 2

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.



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

A. 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.

B. 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.

C. 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

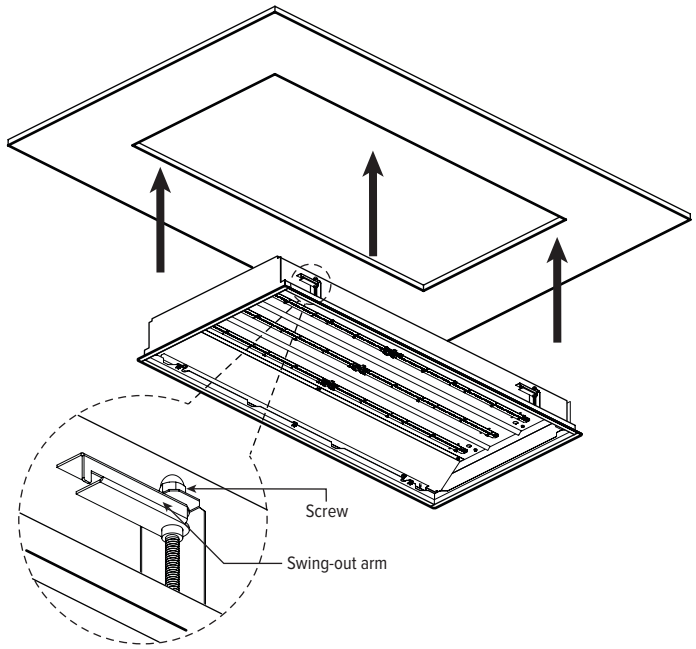
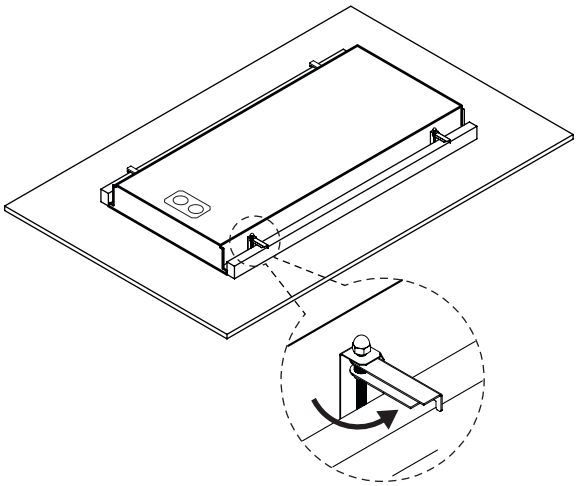


FIG 4



MEDICAL TROFFER
INSTALLATION INSTRUCTIONS

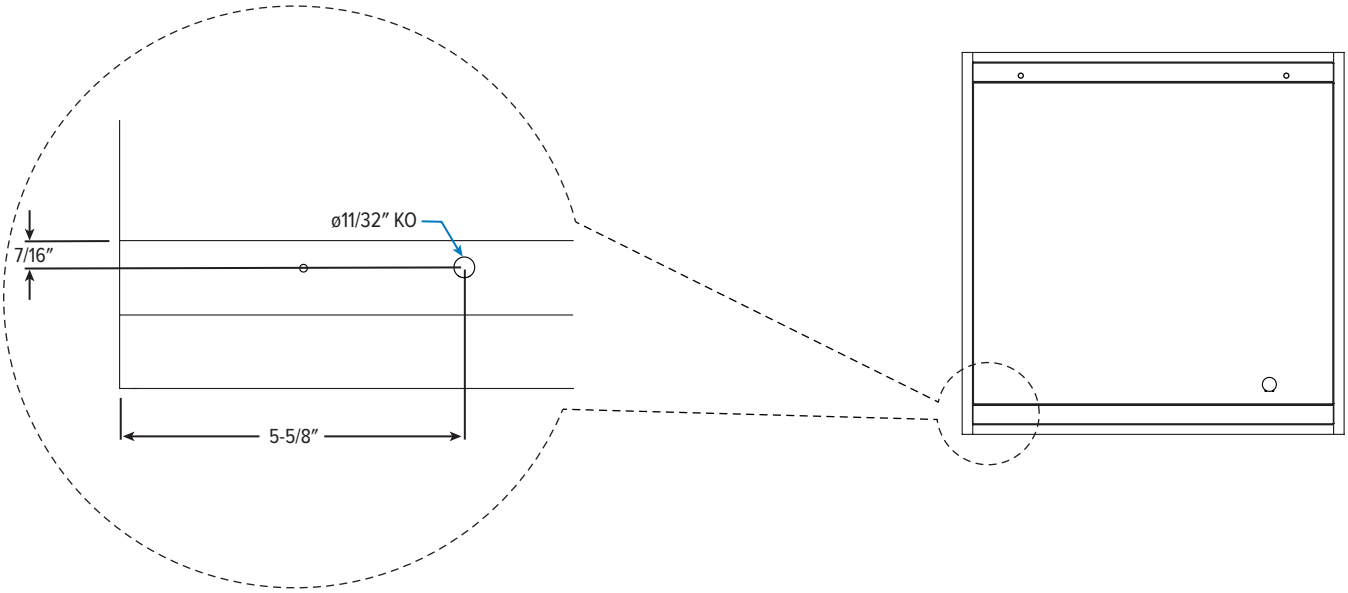
SWING-OUT ARM FIELD CONVERSION

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

