

# 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.

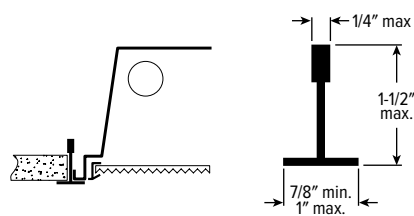
### FOR USE WITH:

- 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.



### INSTALLATION

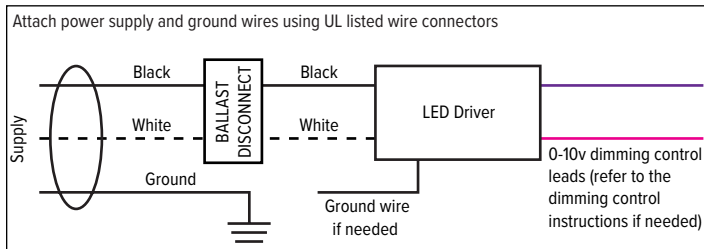
**STEP 1:** Follow the steps below to install the fixture(s) into a ceiling system:

- Raise the fixture through the ceiling opening and rest the fixture in the grid system.
- Center the fixture within the opening.
- Use earthquake clips or integral T-bar clips to secure the fixture to the ceiling structure for added stability.
- 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:

- Loosen screws on door frame until door releases from fixture and hangs from safety cables.
- Remove wireway cover
- Remove needed KO's from fixture
- Make wire connections in accordance with local codes
- Re-install wireway cover and door frame

**STEP 3:** Ballast disconnect accepts #12 - #16 AWG stranded or solid wire.

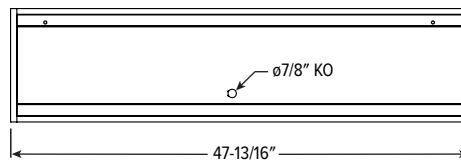


Please consult factory for other driver configurations or emergency driver wiring diagrams.

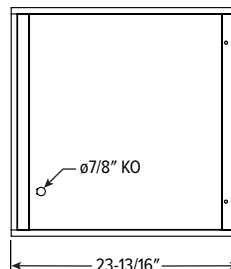
### BACKVIEWS

RECOMMENDED CEILING OPENING		
	MST/MCT	MDS
1x4	10-7/8" x 46-3/4"	12-3/8" x 48-3/8"
2x2	22-7/8" x 22-3/4"	24-3/8" x 24-3/8"
2x4	22-7/8" x 46-3/4"	24-3/8" x 48-3/8"

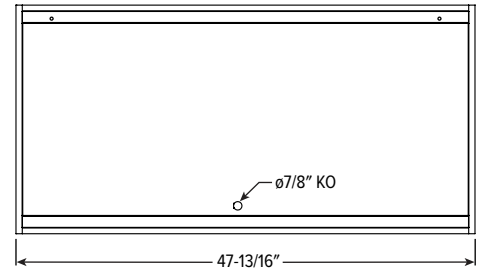
#### 1x4



#### 2x2



#### 2x4



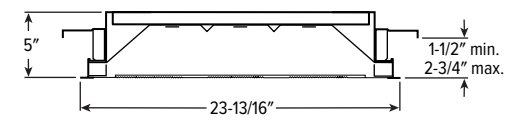
### DIRECTIONAL THROW (MST & MDS ONLY)



# MEDICAL TROFFER

## INSTALLATION INSTRUCTIONS

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

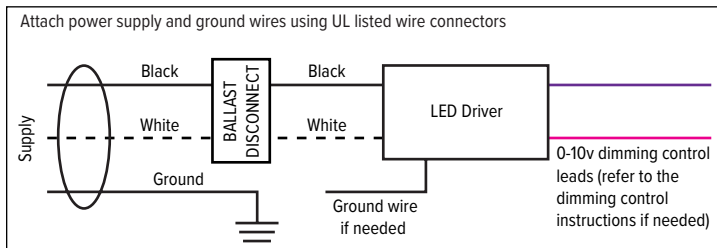
	<b>MCT/MST</b> For continuous row mounting, add 47-13/16" for each additional fixture to obtain ceiling opening. 3/4" between end plates.	<b>MDS</b> For continuous row mounting, add finish trim size for each additional fixture.											
	<table border="1"> <thead> <tr> <th></th> <th>ROUGH-IN</th> <th>FINISH TRIM SIZE</th> </tr> </thead> <tbody> <tr> <td>1x4</td> <td>12-3/8" x 48-3/8"</td> <td>13-5/16" x 49-5/16"</td> </tr> <tr> <td>2x2</td> <td>24-3/8" x 24-3/8"</td> <td>25-5/16" x 25-5/16"</td> </tr> <tr> <td>2x4</td> <td>24-3/8" x 48-3/8"</td> <td>25-5/16" x 49-5/16"</td> </tr> </tbody> </table>			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"
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2x4	24-3/8" x 48-3/8"	25-5/16" x 49-5/16"											

### 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.

**STEP 2:** Ballast disconnect accepts #12 - #16 AWG stranded or solid wire.



**STEP 3:** 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 1. 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 2")

**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 1

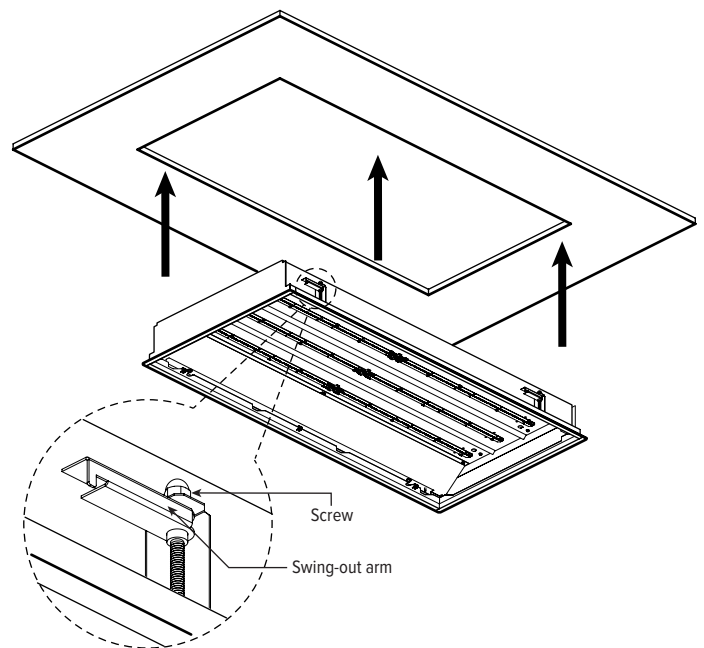


FIG 2

