

MCT/MST LED SERIES

INSTALLATION INSTRUCTIONS



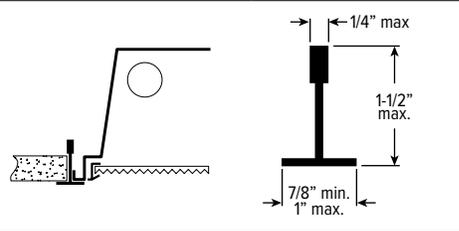
WARNING:

- 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.

NEMA TYPE "G" (See page 2 for NEMA TYPE "F" installation)

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

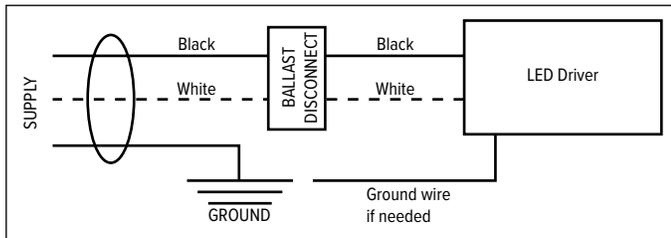
All Williams grid fixtures (NEMA Type "G") are designed to fit securely into a standard NEMA Type "G", 1" nominal T-bar system.



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 KOs from fixture
 - Make wire connections in accordance with local codes
 - Re-install wireway cover and door frame

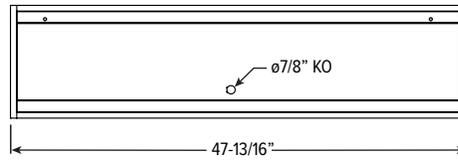
- STEP 3:** Attach power supply and ground wires using UL listed wire connectors. Ballast disconnect accepts #12 - #16 AWG stranded or solid wire.



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

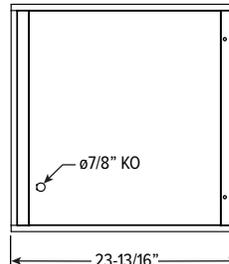
BACKVIEWS

1x4



RECOMMENDED CEILING OPENING	
1x4	10-7/8" x 46-3/4"
2x2	22-7/8" x 22-3/4"
2x4	22-7/8" x 46-3/4"

2x2



2x4



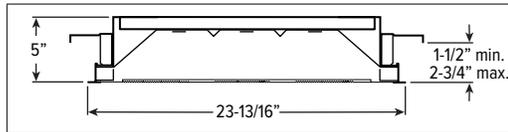
DIRECTIONAL THROW (MST ONLY)



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



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

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.

STEP 2: Attach power supply and ground wires using UL listed wire connectors. Ballast disconnect accepts #12 - #16 AWG stranded or solid wire.

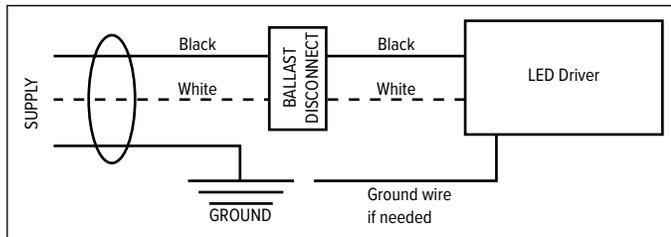


FIG 1

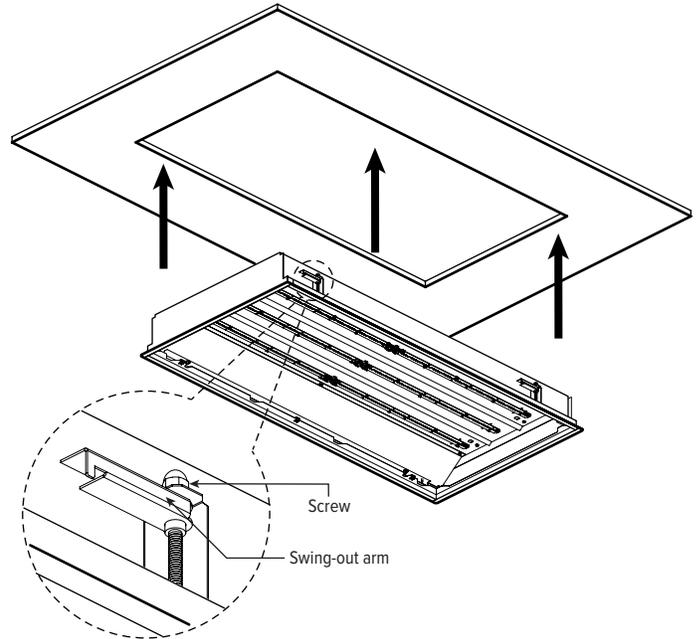
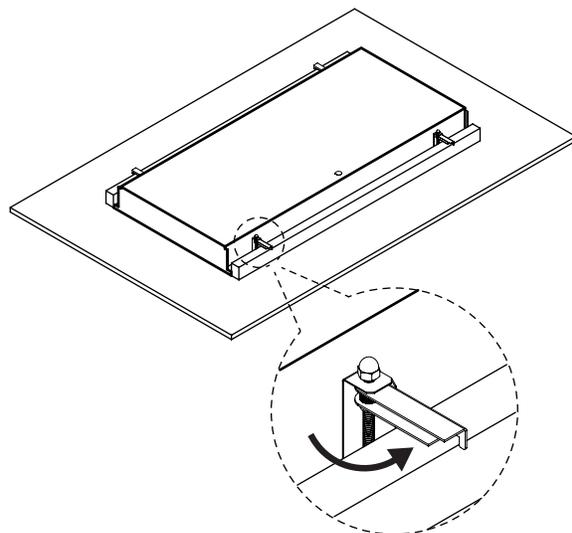


FIG 2



STEP 3: 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 1. 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 2

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.