Williams®
FLUORESCENT LIGHTING

LL6 SERIES
INSTALLATION INSTRUCTIONS

Warning:

- This product must be installed in accordance with the applicable local, state, and national electrical codes by a licensed 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.
- Always use correct lamp type and wattages.

What is a NEMA "G" (Grid) fixture?

All Williams grid fixtures (NEMA Type "G", with accommodation for Types "NFG" and "SS") are designed to fit securely into standard NEMA Type "G", 15/16" wide nominal T-bar ceiling system as well as accommodate NEMA Type "NFG" and "SS", 9/16" wide nominal T-bar systems without modification.

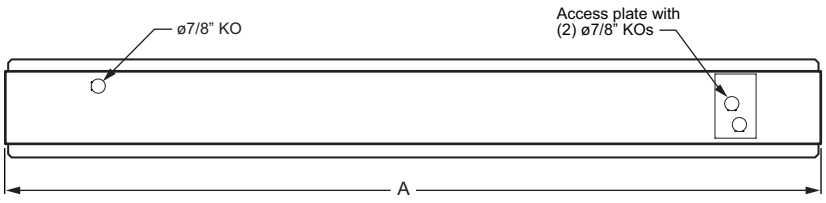
NEMA Grid Installation:

1. Follow the steps below to install the fixture(s) into a NEMA Type "G", NEMA Type "NFG" or Type "SS" 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.

2. Once the fixture is installed into the ceiling system, follow the steps below to complete necessary electrical connections:

a. Remove access plate on the back of the fixture.
b. Remove ballast supply wires from access plate.
c. Make wire connections in accordance with local codes. Ground screw is provided on access plate.
d. Re-install access plate.



Nominal Length	Actual Length (A)
2'	23-15/16"
3'	35-15/16"
4'	47-15/16"
5'	59-15/16"

Note: Refer to individual product specification sheets for further information.

LL6 LED SERIES
FIELD SERVICE INSTRUCTIONS

Warning:

- LEDs are ESD (Electro Static Discharge) sensitive devices that can be easily damaged if the proper ESD mitigating steps are not taken.
- LED components are shipped in pink ESD bags. DO NOT remove components from packaging until grounded with the supplied ESD wrist strap.
- LEDs are very sensitive to mechanical damage. Caution must be taken to avoid damage to the LEDs.
  - DO NOT use power tools to fasten the boards to the fixture. Over torquing the LED board fasteners will damage the boards. Recommended torque is 5 in-lbs. (0.6 Nm). Do not exceed 9 in-lbs. (1 Nm.).
  - If board screws need to be substituted, use #8 machine screws and ensure that the screw head OD does not exceed .0310" (8mm). Oversized screws will damage the LED board.
- ESD or mechanical damage voids all warranties.
- Caution - Risk of Shock. This product must be installed in accordance with the applicable installation codes. The installer must be a person familiar with the construction and operation of the product and hazards involved.

WORK INSTRUCTIONS:

When servicing an LED light fixture, the following steps must be taken to avoid ESD damage of the LEDs:

Step 1: Turn off the power to the light fixture at the breaker panel or disconnect the driver plug located inside the wireway before installation.

Step 2: Disconnect EM battery pack (if applicable).

Step 3: Use supplied wrist strap as instructed in the package and attach to fixture ground or other available ground.

Step 4: Remove damaged LED component.

Step 5: Remove new LED component from ESD packaging.

Step 6: Install component in fixture and re-connect.

Step 7: Remove ESD wrist strap from ground.

Step 8: Reconnect light fixture to line voltage or energize light fixture at the breaker panel.

Step 9: Reconnect EM battery pack (if applicable).