

## **IMPORTANT SAFEGUARDS**

**When using electrical equipment, basic safety precautions should always be followed, including the following:**

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. DISCONNECT POWER TO ALL CIRCUITS BEFORE WIRING FIXTURE. INSTALL IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES. DO NOT CONNECT TO AN UNGROUNDED SUPPLY. READ ALL FIXTURE MARKINGS AND LABELS TO ENSURE CORRECT INSTALLATION OF FIXTURE. SUPPLEMENTAL INSTRUCTIONS MAY BE LOCATED ON THE FIXTURE, IN ADDITION TO THIS INSTRUCTION SHEET, REGARDING ORIENTATION, OR MOUNTING RESTRICTIONS.

## **SAVE THESE INSTRUCTIONS**

Read all fixture markings and labels to insure correct installation of the fixture. Additional information may be located on the fixture, separate from this instruction sheet, regarding orientation and mounting restrictions. Disconnect power to nightlight and main circuits before wiring fixture. Remove door/housing to gain access to the inside of the fixture.

## **SURFACE MOUNT INSTALLATION**

- Disconnect the quick connect from the fixture and wire to the appropriate supply wires. Connect fixture leads to power supply leads using connectors suitable for the gage and number of wires being used (not included). Connections are to be made in the junction box, not the fixture. Black and other colored wires connect to the supply conductor, white fixture lead connects to the neutral supply conductor, and the grounding wire must be connected to a suitable ground.
- Place fixture over an installed electrical junction box. Locate and drill pilot holes in mounting surface. Use fixture base as template. Using fasteners and anchors appropriate for the mounting surface and fixture weight, (not supplied), mount fixture base to building.
- Pull quick connect through wiring access hole and connect to mating connector inside fixture. Push quick connector back into junction box.

## **RECESSED FLANGE INSTALLATION**

- Install plaster frame appropriate for the fixture (separately purchased accessory), or install threaded rod from ceiling structure above ceiling, using same spacing as mounting holes on fixture. Guide fixture up into cutout, guiding threaded rod into obround mounting holes in fixture. Install washers and nuts to hold fixture.

## **RECESSED GRID INSTALLATION**

- Angle the fixture into the grid opening and lay the fixture onto the suspended ceiling grid.
- Fixtures weighing over 50 lbs. should be fastened to the ceiling grid system, or to the ceiling structure above the suspended ceiling by using threaded rod or steel wires (not provided ) appropriate for the weight of the fixture.

## **RECESSED METAL PAN GRID INSTALLATION**

- Push the fixture into the metal pan inverted T-bar. Consult Grid system manufacturer for product compatibility.
- Fixtures weighing over 50 lbs. should be fastened to the ceiling grid system, or to the ceiling structure above the suspended ceiling by using threaded rod or steel wires (not provided ) appropriate for the weight of the fixture.



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**FOR ALL RECESSED FIXTURES:**

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- Run a length of flexible conduit from the supply point to the fixture, and run the appropriate number of conductors. Black or other colored leads connect to the supply conductor, white fixture lead connects to the neutral supply conductor, and the grounding wire must be connected to a suitable ground.
- As applicable, reassemble ballast housing, reflectors, wireway covers, etc. to the base. Install lamps.

NOTE: For Wet Location rated fixtures, check gasket for proper seal between door/housing and mounting surface. To insure the fixtures watertight integrity, especially if the fixture is mounted in direct exposure to the elements, caulk between the mounting surface and base using a high quality caulking material.

**CAUTION**

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Care should be exercised when these fixtures will not be installed immediately upon delivery, and if they will not be put into service immediately after installation. Proper fixture performance and a "like new" appearance can only be assured if precautions are taken after fixtures arrive. If fixtures will be on site but uninstalled for any length of time please follow these precautions to prevent damage to the fixtures:

Fixtures should be left palletized in the cardboard gaylord, in an indoor area. If gaylord is opened, fixtures should be indoors and left in their plastic bags to protect from dirt and moisture. Care should be taken to protect edges of fixture from damage, because the damage to any painted surface will cause rust. Fixtures that are installed, but in an unoccupied area, can also be subject to dirt and moisture. Be aware that conduit runs can direct water inside a fixture through the junction box.

Depending on the location, weather in certain localities and certain times of the year can be especially damp. Fixtures in uncontrolled areas that are not in use will likely become covered with condensation. Even wet location rated products are not airtight and moist air will get inside the fixture. This situation is most severe since the heat of the fixture cannot be used to dry out the fixture. This situation is not recommended and eventually rust will begin to form on steel products. Kenall recommends that in these situations, the fixture housing be wrapped in a vented plastic bag and closed up against the wall or ceiling. This will provide short term (weeks) protection for CRS products. Longer exposure (month or longer) to these conditions will require a stainless steel housing and hardware.

**CUSTOMER SERVICE**

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For technical assistance, call 1-800-4KENALL (1-800-453-6255). For additional instructions, go to [www.kenall.com/Installs](http://www.kenall.com/Installs)

**WARRANTY**

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For warranty information visit [www.kenall.com/Resources/Certified-Performance-Warranties](http://www.kenall.com/Resources/Certified-Performance-Warranties)

