

## 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

Install in compliance with the National Electric Code, any applicable local codes and any specific instructions given on the luminaire labels. If installing in conjunction with any additional options and/or accessories, also refer to the respective instruction sheets. For installation only by a qualified electrician.

NOTE: To maintain the ratings and approvals noted on the fixture nameplate, any fittings or mounting hardware supplied with this fixture, must be used with this fixture.

### SURFACE MOUNTED FIXTURES

1. Use mounting hardware (if provided) to secure the fixture to its location. If no hardware is supplied, any appropriate hardware can be used.
2. Fixtures with external mounting tabs must be mounted using all tabs.

### RECESSED FLANGE FIXTURES

3. To ensure an adequate seal between the flange and the ceiling system, it is important to have a square opening and a flat ceiling surface. When gypsum is used as the base material it should have adequate thickness to resist bowing. See appropriate specification sheet or contact Kenall directly for recommended ceiling cutout dimension. The cutout opening should be accurate to within a 1/16 of an inch.
4. Framing around the entire opening is recommended and should start at the rough opening. Typically, "C" shaped 16 gauge galvanized cold rolled channel used to frame the opening because of its straightness.
5. Gypsum board shall be secured to the framing material around the opening. The ceiling surface around the opening shall be flat and smooth and not run (deviate from a straight edge) more than 1/32 inch over 2 feet. The opening should always be cut into whole pieces of gypsum. Ceiling seams and joints shall be outside of fixture cutouts. Structural members running under the gypsum shall be whole pieces around the cutouts and run the length of the cutout, not just under the swing arm bracket.
6. After creating the rough opening, frame the opening on the plenum side of the ceiling.
7. The yoke will span the width of the rough cutout and must be secured to C channel or framing material. Fasten the carriage bolt to the yoke with the nut in the hardware bag. Then, locate and secure the yoke bracket to the "C" channel, located so that the carriage bolts will engage the holes in the housing when the fixture is installed.



[www.kenall.com](http://www.kenall.com)

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8. Connect the appropriate flexible raceway system to the wiring access hole and raise the fixture into the opening.
9. Apply a bead of caulk to the ceiling side of the housing flange, to seal the fixture housing to the ceiling. All 4 bolts will pass into the housing. Attach the other nut to the bolt to hold the housing in place.
10. Tighten all 4 nuts until fixture is firmly seated in the cutout.

### **RECESSED GRID FIXTURES**

1. Fixture is designed for use with 1.00"/1.50" T bar grid systems with vertical grid T thickness' of less than ¼" with a maximum height of 2". Grid systems can be installed with standard 12, 24 or 48 inch center line spacing of grid.
2. Fixture housing lays into grid.

### **CUSTOMER SERVICE**

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**

Kenall reserves the right to issue credit, repair, or replace the defective merchandise, at its discretion, upon notification and confirmation by its local representative of the defect. Kenall also reserves the right to test and examine the defective product if the defect is questionable and to deny the warranty herein for any product altered, improperly installed, installed in applications for which it is not intended. This includes operation in ambient temperatures above stated limits for any length of time. Failure by electrical surge shall not be covered under warranty.

Kenall assumes no responsibility for labor or freight costs incurred in connection with the installation, removal, or replacement of products determined to be defective or any other consequential or incidental damages arising from the use of the product. Kenall's entire liability on any claim of loss or damage resulting from a defective product is limited to the replacement price of the product.

#### **For HASE Series only:**



Kenall high abuse luminaires are designed and built to take exceptional physical punishment. When installed according to our instructions, Kenall will repair or replace any fixture rendered inoperable due to physical abuse for the product life of the original installation. LED lamps and internal power regulation components are warranted for a period of five (5) years from the date of the invoice against defects in materials and workmanship.



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