

## 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.

**CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS.**

THE DOWNLIGHT CONTAINS SENSITIVE ELECTRONICS. TAKE CARE TO AVOID DAMAGE BY IMPROPER HANDLING OR STATIC ELECTRICITY DISCHARGE (ESD). EITHER TYPE OF DAMAGE COULD RENDER THE SYSTEM INOPERABLE OR CAUSE LATENT FAILURE.

## SAVE THESE INSTRUCTIONS

### SAFETY RECOMMENDATION

A 1/16" or larger diameter safety aircraft cable (Not included OR Optionally included) is recommended for attaching the fixture structural to a building structural member as supplemental support only. **Safety Cables and hardware must be corrosion resistant if used in a wet or damp location. Consult local codes for details regarding approved safety cable methods and materials.**

1. Using the aircraft cable loose end, thread cable around the driver mounting bolt, between driver and heat sink fins and then through the cable loop.
2. Route free end of cable to building structure and secure it there using a site approved method, removing excess length.

### INSTALLATION USING HK FEATURE

1. While keeping the fixture in its original shipping box, locate the fixture on a stable surface with the driver at the top and open the box. (Note the location of the set screw within the fixture hub fitting.)
2. Locate the hook in the packaging.
3. Remove or loosen the safety set screw of the coupler so that it does not interfere with the hook threads found in step 5 below.
4. Feed cables through center of the hook, starting from the threaded end.
5. Screw the hook into the fixture fitting, being careful that the cords are not damaged by the rotation. (Each requires at least 6 rotations to tighten into the coupler fitting. ) Tighten to 5 ft-lb torque with a wrench.
6. Insert and tighten hook and coupler set screw (2) to 5 inch-pounds. ("Hand-tight" using an Allen driver, 2 & 2.5mm set screw).
7. Connect large cord to Branch Circuit junction box using a location approved method such as a listed cord bushing or plug.

*Branch Circuits must be protected by a 20 amp circuit breaker designed for electronic system loads and have a supply voltage of 120Vac to 277Vac, 50-60hz. Note: All cords are not to carry any fixture weight. All fixture weight is to be carried solely by the hook and site approved hardware and structure.*



8. Connect green wire to a grounded metal electrical system or equipment ground conductor.
9. Connect white wire to neutral conductor.
10. Connect Black wire to hot conductor.
11. Connect small cord to dimming control box. There are three wires: Gray to negative and Violet to positive 0-10Vdc control system. Separately insulate black/white stripped wire.
12. Insert hook into chain or ring of suitable mounting hardware designed for such applications considering corrosion and strength.
13. Tighten hook closure screw, preventing accidental fixture drop.

#### OPTIONALLY REQUIRED FOR WET LOCATIONS WITH HOOK OPTION:

1. Locate and open end of sealant package.
2. Insert open end of sealant package into cord entryway located on the hook. (May be applied after fixture hanging and wiring).
3. Squeeze sealant into the area around the cords, filling the area to the surface.
4. Let sealant dry for at least one hour before moving the cords to avoid cleanup issues.
5. Discard any remaining sealant.

#### INSTALLATION USING PM FEATURE (Materials and hardware selected must be compatible with the installed environment)

1. While keeping the fixture in its original shipping box, locate the fixture on a stable surface with the driver at the top and open the box. (Note the location of the set screw within the fixture hub fitting.)
2. Obtain suitable  $\frac{3}{4}$ " NPS threaded stem pipe and fittings compatible with mounting a fixture that weighs at least 35 lbs and suitable for the environment, considering corrosion.
3. Alternately, use of  $\frac{1}{2}$ " NPS threaded stem is permissible. To do so requires the removal of the installed  $\frac{3}{4}$ " hub fitting. Remember to loosen the driver to hub fitting set screw first ( $\frac{5}{64}$ " or 2.0mm).
4. Feed cords through the stem and fittings.
5. Screw the stem into the fitting, being careful that the cords are not damaged by the rotation. The stem requires at least 6 rotation to tighten into the fitting. Tighten to 5 ft-lb torque using a wrench.
6. Insert and tighten set screw(s) to 6 inch-pounds using a  $\frac{3}{32}$  or 2.5mm Allen wrench. ("Hand-tight")
7. Using two people and a lift, raise the fixture into position under the stem mounting hardware.
8. Connect large cord to Branch Circuit junction box using a location approved method such as a listed stem swivel. (Special equipment or hardware may be required if they are installed in a wet location.)

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9. Connect green wire to a grounded metal electrical system or equipment ground conductor.
10. Connect white wire to neutral conductor.
11. Connect Black wire to hot conductor.
12. Connect small cord to dimming control box. There are three wires: Gray to negative and Violet to positive 0-10Vdc control system. Separately insulate black/white stripped wire. Important: Cap off all dimming wires if dimming is not used.
13. Verify proper installation and wiring for all fixtures on the circuit.
14. Energize the protected branch circuit.



**REFRACTOR REMOVAL/REPLACEMENT- EPHB SERIES – HIGH BAY**

1. While keeping the fixture in its shipping box or otherwise safely support the fixture on a stable surface with the driver at the bottom and the refractor open end facing upward.
2. When looking at the fixture aperture locate and remove the three visible screws.
3. Remove the white metal refractor support ring.
4. Lift up on the refractor until it clears the internal optics.
5. Replacement is in the reverse order.

**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**

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

