

BHPCK SERIES

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.

CAUTION – RISK OF SHOCK

ATTENTION – RISQUE DE CHOC

MIN 90°C SUPPLY CONDUCTORS

LES FILS D'ALIMENTATION 90°C MIN

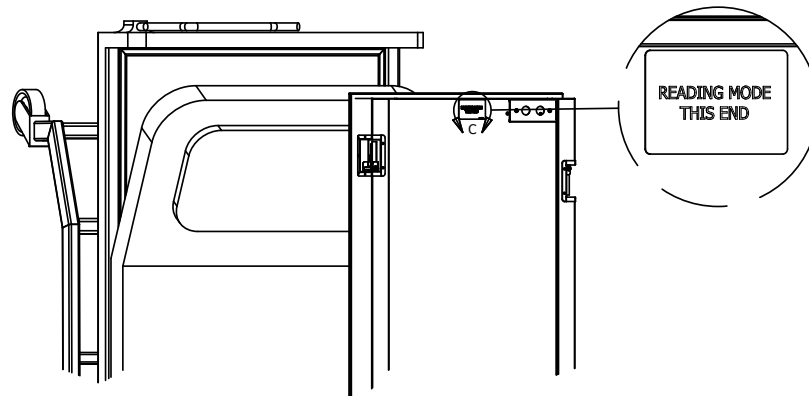
MIN 600V, CLASS 1 SUPPLY CONDUCTORS ARE TO BE USED FOR ALL CONDUCTORS

MIN 600V, DES CONDUCTEURS D'ALIMENTATION DE CLASSE 1 DOIVENT ÊTRE UTILISÉS POUR TOUS LES CONDUCTEURS

SAVE THESE INSTRUCTIONS

RECESSED GRID INSTALLATION

This fixture is designed for use with 9/16" and 15/16" grid profiles with lay-in and tegular ceiling tiles. Vertical grid T thickness is to be less than 1/4" with a maximum height of 1-1/2". Grid systems can be installed with standard 24- or 48-inch center line spacing of grid. If the BHPCK-24 product is equipped with a Reading mode, locate the 'READING MODE THIS END' label on the luminaire prior to the start of installation. Make sure to install the luminaire so that the Reading mode is at the headwall.



1. Ensure that power to the circuit has been disconnected before installing and wiring fixtures.
2. Remove wiring access plate from top of fixture using 1/4" nut driver or flat bladed screwdriver. See Figure 1.

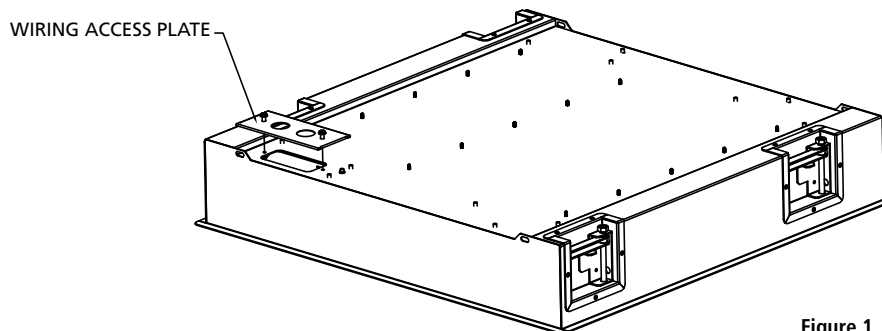


Figure 1

3. Remove door from fixture by loosening four (2×2) or six (2×4) door fasteners using tamperproof T40 Torx bit (TX option) or T40 Torx bit (FF) option. Note that the socket hole on the FF option is recessed (hidden); use care to avoid scratching finish. Use a Phillips screwdriver to remove lanyards holding door to housing. See Figure 2.

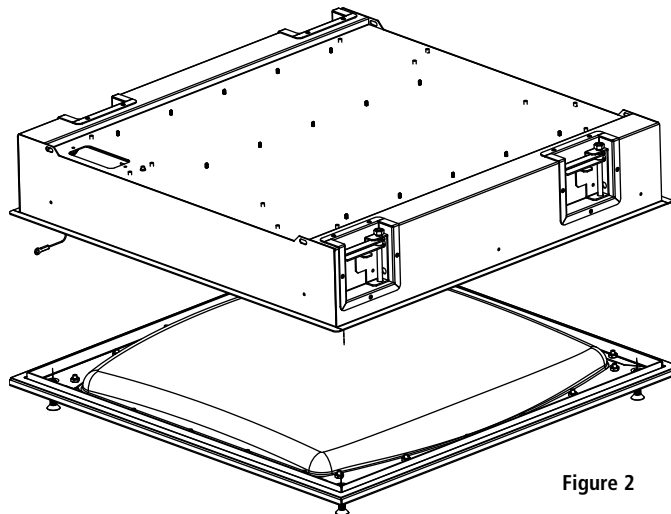


Figure 2

4. Fixture housing lays into grid system. Raise fixture into opening; this step may require two people for safety.
5. If securing fixture to the superstructure with hanger wire (by others) loop wire through holes in cross-corner flanges at ends of fixture. See Figure 3.

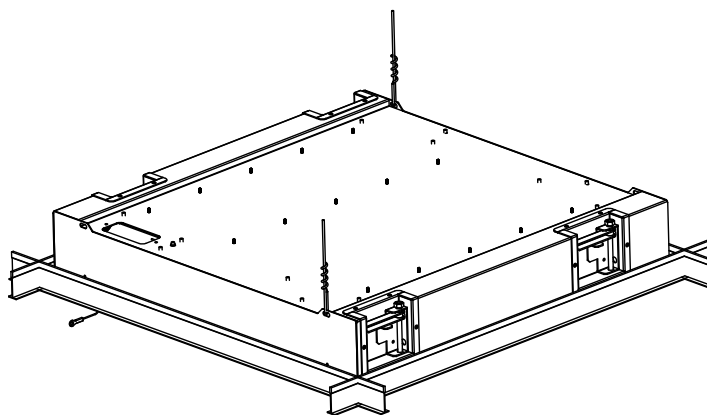


Figure 3

- Secure 1/2" conduit fitting (by others) to wiring access plate. Install conduit to fitting in access plate and wire building power to fixture; refer to wiring diagrams below. Note that Tunable White fixtures or fixtures supplied with LVC/LVCD option will have supplemental wiring diagrams included. Re-install access plate to fixture using Phillips screwdriver.

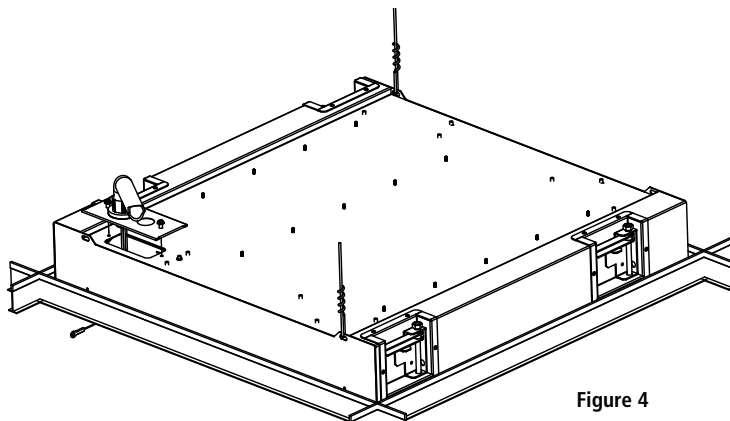


Figure 4

- Replace door by reattaching lanyards to door frame. NOTE: For 2x2 fixture, straight side of lens should be at wire access plate end. Raise door into position and secure to housing. Door frame gasket should make contact with grid system on all four sides.

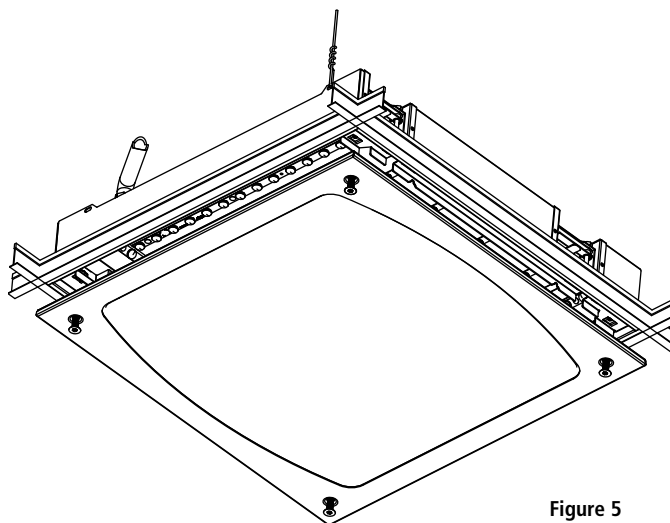


Figure 5

DRYWALL CEILING (RECESSED FLANGE) INSTALLATION

- 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 1/8 of an inch.
- Swing arm brackets are used to mount fixture to ceiling structure. After creating the ceiling cutout, frame the opening on the plenum side of the ceiling.
- Framing around the entire opening is recommended and should start at the rough opening. The maximum thickness of the ceiling and framing material is 3 inches. Typically, 1-5/8 Unistrut® is used to frame the opening because of its straightness, but straight lumber can also be used (framing material by others).
- 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 above the gypsum shall be whole pieces around the cutouts and run the length of the cutout, not just under the swing arm bracket.

5. Place a continuous bead of approved caulk on the back side of the housing flange. Use a caulk/sealant that is approved by the owner/consulting engineer.
6. Secure 1/2" conduit fitting to wiring access plate. Connect the appropriate flexible conduit system to the conduit fitting and wire building power to fixture; refer to wiring diagrams below. Note that Tunable White fixtures or fixtures supplied with LVC/LVCD option will have supplemental wiring diagrams included.
7. Remove door from fixture by loosening four (2x2) or six (2x4) door fasteners using tamperproof T40 Torx bit (TX option) or T40 Torx bit (FF) option. Note that the socket hole on the FF option is recessed (hidden); use care to avoid scratching finish. Use a Phillips screwdriver to remove lanyards holding door to housing. See Figure 6.

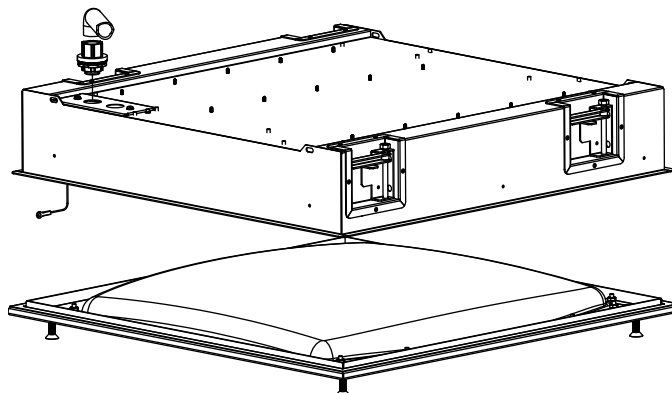


Figure 6

8. Deploy swing arms: Utilizing screws located near inside edges of fixture (see Figure 7) and a flathead screwdriver, rotate clockwise to deploy each swing arm and lower them into place until snug against framing member (see Figure 8). Continue tightening swing arm screws until the fixture is firmly seated in the cutout.

Note: Each swing arm is equipped with an integral retention tab that engages the framing member to provide additional fixture retention. Contact Kenall if swing arms with a flat end configuration are required.

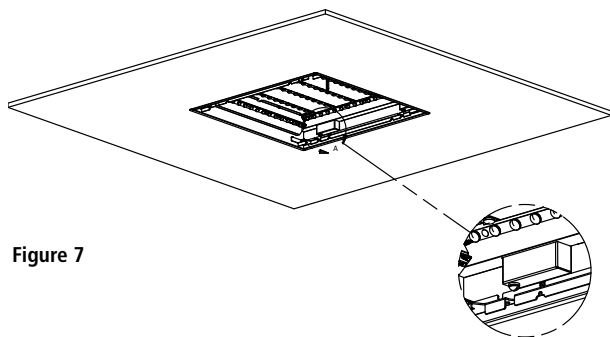


Figure 7

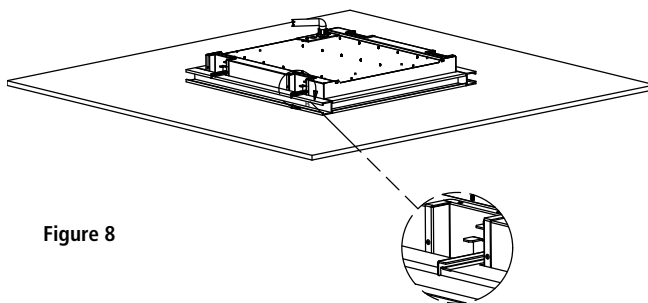


Figure 8

9. Replace door by reattaching lanyards to door frame. NOTE: For 2x2 fixture, straight side of lens should be at wire access plate end (curved sides at swing arms sides). Raise door into position and secure to housing. Door frame gasket should make contact with ceiling panel on all four sides.

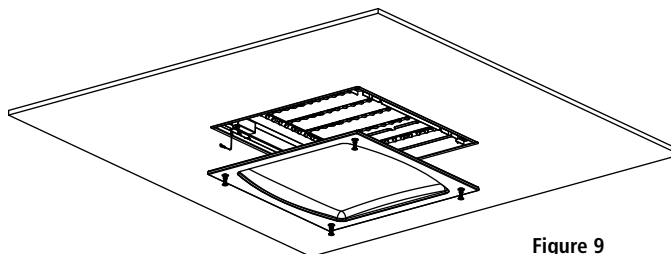
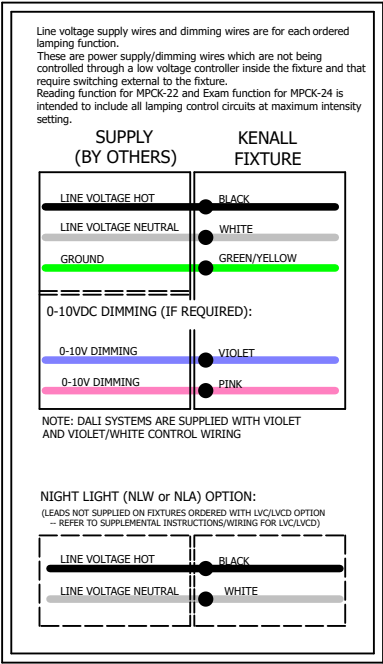


Figure 9

BASIC FIXTURE WIRING DIAGRAM



CUSTOMER SERVICE

For technical assistance, call 1-800-4KENALL (1-800-453-6255).

WARRANTY

For warranty information visit www.kenall.com/Resources/Certified-Performance-Warranties