

T8 LED Tube Fixture Bracket Kit

These Installation Instructions are specific to Fixture Bracket Kit Part Numbers 14070, 14070B, 14073, 14073B, 14074, 14074B, and 14076. Fixture Bracket Kit Part Numbers 14073, 14073B, 14074, and 14074B are “pre-wired” and must be wired directly to the incoming “Black and White” supply conductors. These Installation Instructions include the replacement installation of the Wiring Compartment/Ballast Cover, Part Number 14080.

CAUTION



Risk of Electric Shock

- TO BE INSTALLED BY A QUALIFIED ELECTRICIAN
- **WARNING:** ELECTRICAL SHOCK HAZARD
- MAKE SURE THAT THE POWER IS “OFF” AT THE CIRCUIT BREAKER BEFORE PROCEEDING
- INSTALLATION OF EPCO’S FIXTURE BRACKET RETROFIT CONVERSION KITS SHOULD ONLY BE USED IN CONJUNCTION WITH ELECTRICAL WIRING SYSTEMS THAT IS IN GOOD WORKING ORDER AND MEETS ALL APPLICABLE LOCAL ORDINANCES AND NATIONAL ELECTRICAL CODES.

NOTE: These above Fixture Bracket RetroFit Kit part numbers should only be used with Type “B” Single-End Powered T8 LED Tubes if these light tubes are classified per UL 1598C.

1. Remove the existing fluorescent lamps from the fixture. Recycle them at your local Recycling Service Center.
2. Remove and set aside the existing ballast cover(s) if you intend to re-use them. If not, recycle them at your local Recycling Service Center. Remove the existing lamp socket plates. If the socket plates are attached to the luminaire’s end caps, separate them from the end caps and set the end caps aside.
3. Disconnect the incoming supply conductors. Remove the existing fluorescent ballast.
4. For 8-foot strip-light fixtures, the Fixture Bracket Kit Socket Plates are divided into three (3) sections; two (2) end sections and one (1) center section. Bend the end and center sections on the socket plates back and forth until they separate. Follow this same procedure for the opposite end of the center section. See Figure 1.
5. Check the width of the fixture housing! If the fixture housing is 4-inches wide, bend the socket plate at the points as shown in Figure 2. If the fixture housing is 5-inches wide, bend the socket plates at the points shown in Figure 2.
6. Figure 3 shows the tabs on all three sections of the socket plates bent approximately 90 degrees and configured for a 4.25” wide luminaire housing.
7. Before installing the two (2) end sections and one (1) center section onto the 8-foot fixture housing, pre-wire the center section lamp holders installed in the socket plates as shown in Figure 4. Remember to have an appropriate length of at least four (4) feet of the hot and neutral incoming supply conductors to connect into the lighting circuit. Figure 4 shows the wiring connections from the incoming supply conductors and the respective terminations to each lamp holder on the socket plates.

Note: All “pre-wired” Fixture Bracket RetroFit Kits (P/Ns 14073, 14073B, 14074, 14074B) include a luminaire disconnect to facilitate connection to the existing lighting system circuit. A luminaire disconnect is not included in Fixture Bracket Retrofit Kits P/Ns 14070, 14070B, 14071, and 14076 but is recommended. The luminaire disconnect can be purchased from your local Electrical Distributor.

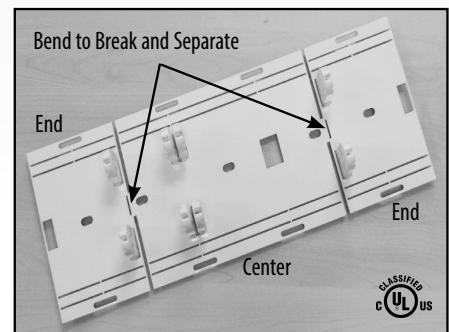


Figure 1. Preparing the Fixture Bracket Socket Plates for Installation.

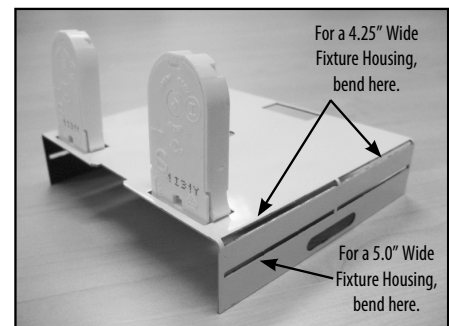


Figure 2. Fixture Bracket Socket Plates for Installation on a 4.25” wide Luminaire Housing.

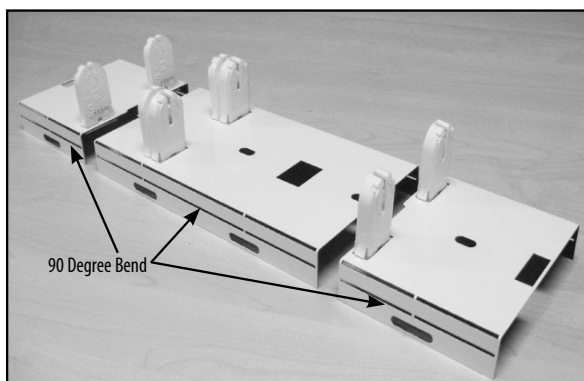


Figure 3. Bend the tabs on the Fixture Bracket Socket Plates 90 Degrees.

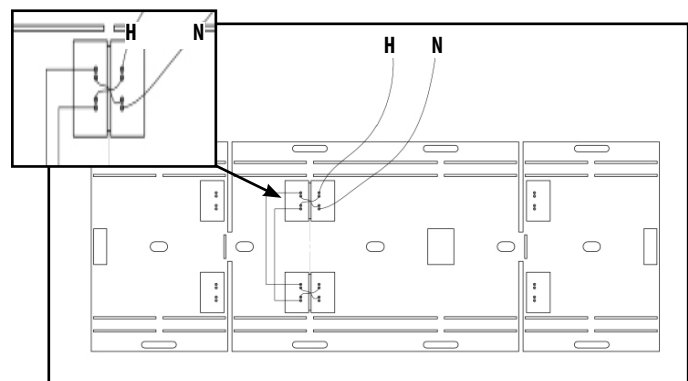


Figure 4: Fixture Bracket Wiring Diagram showing the incoming supply connection to the lamp holders and “jumped” to each port on the four (4) lamp holders.

- Now install the two (2) left and right socket plate end sections onto the fixture housing. Start at either end of the fixture housing, invert the end socket plate and push it up and into the location on the fixture housing where the original socket plate was removed. Make sure you place the socket plates to the outermost edge on the fixture housing.

Note: If you are installing the Fixture Bracket RetroFit Conversion Kit on a 4-foot luminaire (P/Ns 14076 or 14077), you only need to install the two left and right (2) end sections.

- Secure the end socket plate using the supplied self-tapping screws into the slotted holes. If necessary, re-install the end cap into the existing holes on the luminaire housing.

Note: Some fixture housing may require inverting the original luminaire housing's end cap 180 degrees and "possibly" drilling new mounting holes to fit and accommodate the left and right Socket Plates.

- To install the fixture bracket center section, find the center of the fixture housing. Place a mark approximately 48-inches from the left or right end of the fixture housing. When you have located the center of the fixture housing, install the center section socket plate. Align the center section socket plate over the 48-inch mark using the two (2) lamp sockets as a guide. See Figure 5.

Secure the center section socket plate using the "included" self-tapping screws through the slotted holes. Use the length of the T8 LED Tube as a final measure between lamp holders on the center socket and the end socket end plate to ensure an accurate fit.

Note: Step 10 does not apply when retrofitting 4-foot luminaires!

- Push any remaining wire conductors up and into the fixture housing. All wire conductors should be reliably positioned away from all bracket mount (self-drilling) screws.
- Install the two (2) new Wiring Compartment Fixture Covers, Part Number 14080. Installation of each Fixture Cover requires two (2) 1/4 Turn Retainer Clips. At each end of the Fixture Cover there is a 1/2" (12.7mm) round hole. Start at either end of the fixture housing, place the 1/2" hole on the Fixture Cover over the slotted hole on the end socket plate, insert one (1) 1/4 Turn Retainer Clip through the Fixture Cover and socket plate holes, then rotate the Retainer Clip one quarter turn to attach the Fixture Cover. See Figures 6 and 6a. Follow the same procedure on the opposite end of the Fixture Cover.
- Re-lamp and orient the powered-end of the Type "B" T8 LED Tube into the lamp holder as shown in Figure 7. Take extra care to ensure the lamps have been rotated and "fully" seated into the lamp holder. Restore the power.

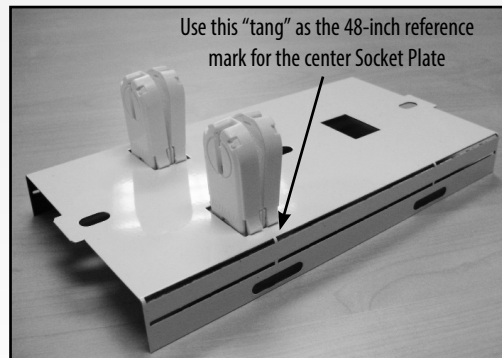


Figure 5: Locate the RetroFit "Center" Socket Plate on the 8-foot luminaire housing.

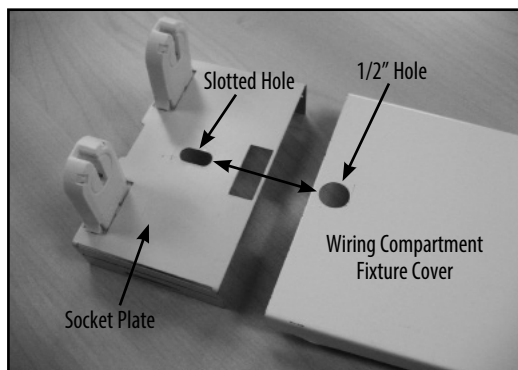


Figure 6: Align the slotted hole on the left-side Socket Plate to the 1/2" hole on the Wiring Compartment Fixture Cover.

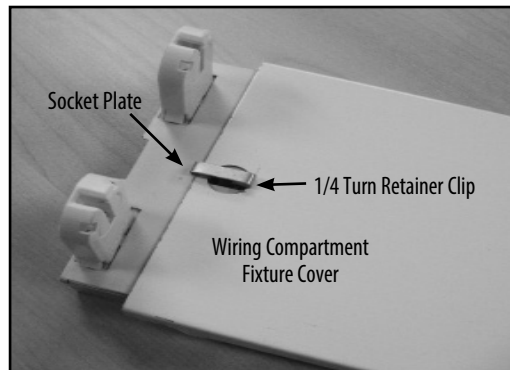


Figure 6a: Connect the end of the Socket Plate to the Wiring Compartment Fixture Cover using the Retainer Clip.

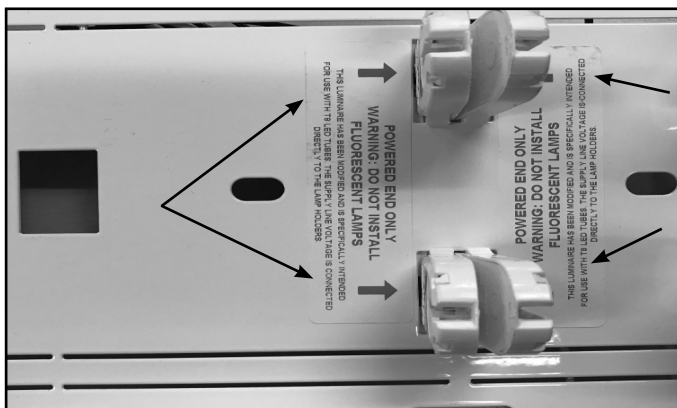


Figure 7: Place, rotate, and "fully" seat the Type "B" Single-End Powered T8 LED Tubes into the lamp holders.

E00-701-004 E1 (06/17 AGIII)