

INSTALLATION AND ASSEMBLY INSTRUCTIONS

HILTON® REDUCED SERIES

Various reflector models are protected by U.S. Patents 6,152,579 and 6,464,378 and other patents pending

WARNING:

All installation service, and maintenance of LSI Industries lighting products must be performed by an electrician qualified in building and site lighting. All work 18 feet above grade or higher must be performed in the bucket of a service truck or an acceptable industry practice used by a qualified electrician. It is the responsibility of the electrician to use the appropriate codes and OSHA regulations.



FIGURE 1

LUMINAIRE PREPARATION

1. Remove luminaire from packaging, taking care to protect lens and luminaire finish.
2. Remove top cover by loosening three (3) screws on the top cover.
3. Remove ballast cover by removing (2) screws.
4. Remove (2) hex head screws and lift out ballast/capacitor assembly. See Figure 1.



HEX HEAD SCREWS

ASSEMBLY OF ARM AND LUMINAIRE TO POLE

1. Lay pole on raised surface. Protect pole finish with soft cloth.
2. Attach arm and luminaire to pole as shown (see Figure 2).

NOTE:

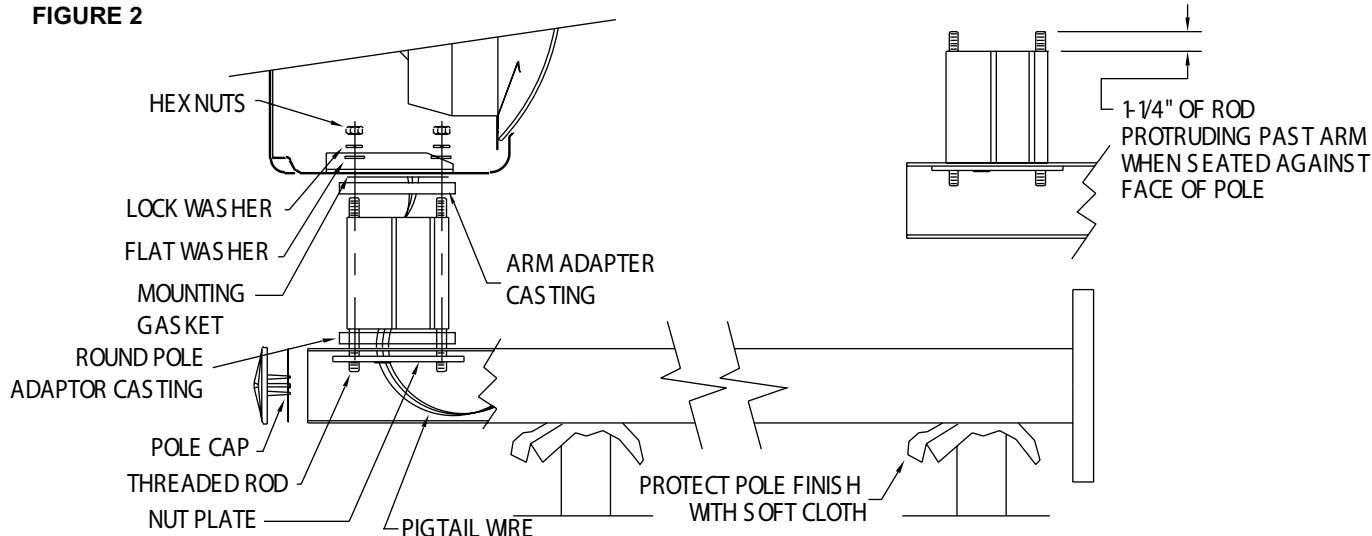
When mounting arm and luminaire to a round pole, use pole side adaptor castings between arm and pole.

IMPORTANT

Arm adaptor casting must be installed between bracket arm and housing!

3. Feed wire from luminaire through bracket arm and into pole.
IMPORTANT: Luminaire is supplied with 150C rated wiring!
4. Tighten top mounting bolt first, then lower bolt, making certain that arm and luminaire are perpendicular with pole.

FIGURE 2



WIRING CONNECTIONS

WARNING: Risk of electrical shock. High temperature inside luminaire. Make certain that supply wiring is not “hot” before wiring. Luminaire is equipped with a multi-tap ballast. It may be necessary to change ballast primary lead to match supply voltage. All unused ballast leads must be individually capped. Connect wiring according to local code and the National Electrical Code.

NOTE: Supplied pigtail wiring is rated 150 C!

5. After connections are made, incoming supply leads must be reliably held away from hot surfaces of the ballast and reflector using wire-tie provided.

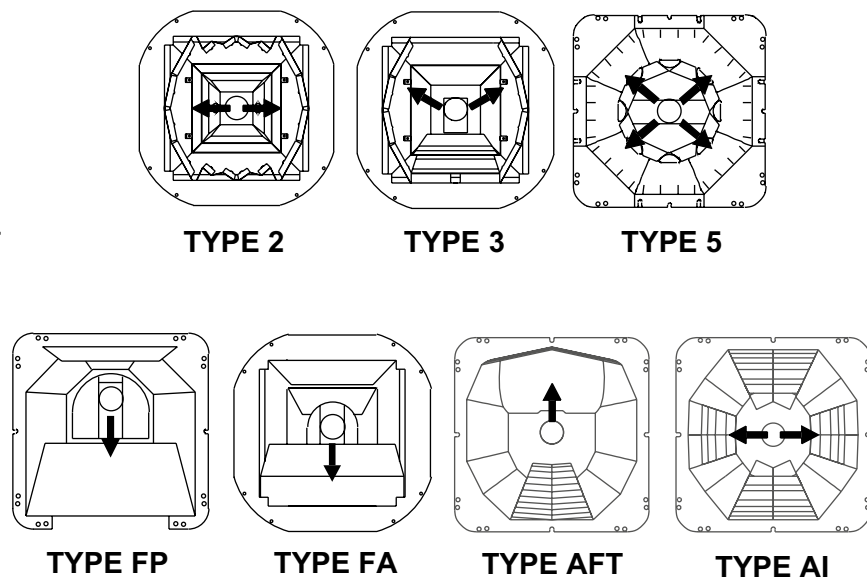
COMPLETING LUMINAIRE ASSEMBLY

1. Position reflector in housing for desired light distribution. All reflectors are rotatable in 90° increments (see Figure 3). Remove nuts, rotate reflector and replace nuts. **NOTE: DO NOT REMOVE LENS CLIPS!**
2. Install lamp by removing top socket assembly. (**Note: Type 2 & 3 reflectors use quarter turn fasteners**). Locate lamp and install.
3. Check to make sure lamp type and wattage are the same as shown on luminaire label.
4. To ensure best contact in socket, tighten, loosen, and re-tighten lamp. Wipe lamp with a soft, dry, clean cloth.

WARNING: If lamp is soiled, operating hours and performance will significantly decrease.

5. Replace socket assembly and secure.
6. Replace top cover and secure. Clean outside of lens with a non-amonia, non-static cleaner.
7. The luminaire and pole assembly are now ready for installation to anchor bolts. When erecting pole, use belts, slings, or ropes - do not use chain or cable. Do not lift by luminaire arm.

FIGURE 3
(ARROWS INDICATE LIGHT
DISTRIBUTION PATTERNS)



NOTE: Before setting pole on anchor bolts, check to make sure pole and luminaire are still positioned correctly for desired light distribution. Set and level anchor bolts using nuts and washers provided.

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POLE TOP (YOKE) MOUNT INSTRUCTIONS

1. Unscrew (counterclockwise) cover from wiring/mounting assembly. See Figure 4.
2. Slide cover retaining bracket from under screw heads and remove. Remove mounting bolt and lock washer.
3. Feed supplied pigtail wiring through pole top plate side slots and through either hole in bottom of mounting assembly. See Figure 4.
4. Attach luminaire to top of pole with the 3/4 - 10 x 2" lock bolt and lock washer threading into top of pole. Be certain not to pinch wire between mounting assembly and pole top.

IMPORTANT NOTE

Make certain that luminaire is positioned correctly on pole top for desired light distribution. Luminaire may be rotated 360° on pole top for proper positioning. See Figure 3 for light distribution patterns.

FIGURE 4

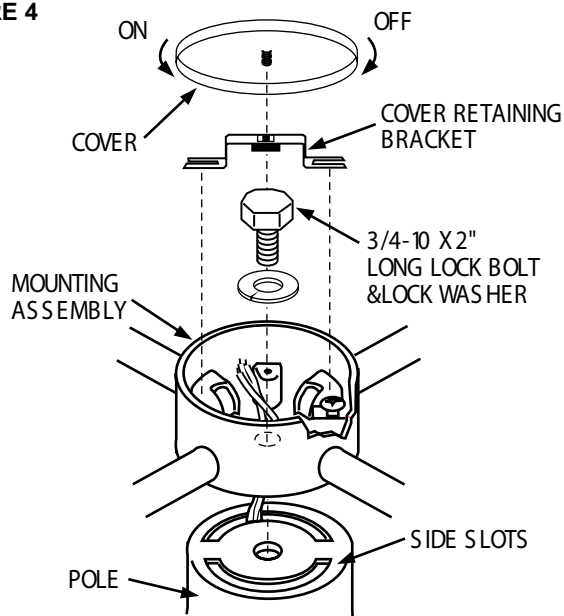
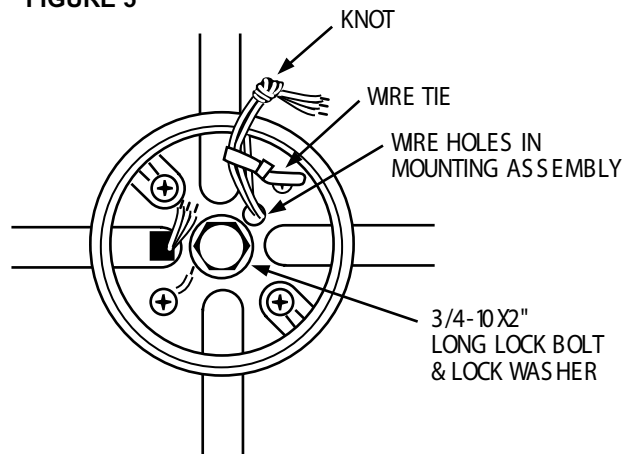


FIGURE 5



WIRING CONNECTIONS

NOTE: Supplied pigtail wiring is rated 150 C!

5. Attach all ground wires together (two from fixture and one from incoming supply).
6. Connect wiring according to local code and National Electrical Code.

IMPORTANT WIRING INFORMATION: Risk of electrical shock.

Make certain supply wiring is not "HOT" before wiring luminaire.

Make certain supply voltage corresponds to luminaire voltage.

7. Reinstall cover retaining bracket by sliding bracket under screw heads.
8. Screw cover (clockwise) onto wiring/mounting assembly. See Figure 4. DO NOT OVER TIGHTEN.
9. The luminaire and pole assembly are now ready for installation to anchor bolts. When erecting, use belts, slings or rope - do not use chain or cable. Do not attach at luminaire arm.

IMPORTANT NOTE

Before setting pole on anchor bolts, make certain that pole and luminaire are still positioned correctly for desired light distribution. Set and level pole on anchor bolts using nuts and washers provided.

Installation Questions?

Call LSI Field Service Department at:

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