

INSTALLATION INSTRUCTIONS

FORM 10, H, EH, HUB, EHUB, LUMINAIRES W/LONG ARM

CAUTION
USE CLEAR LAMP ONLY
CLEAR LAMP REQUIRED OF OPTIMUM
PHOTOMETRIC PERFORMANCE.

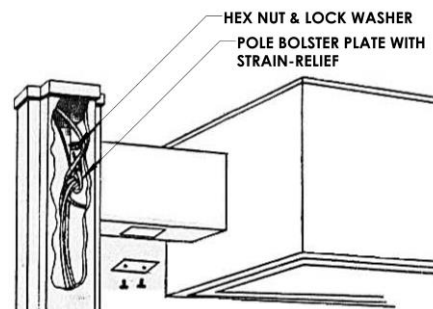
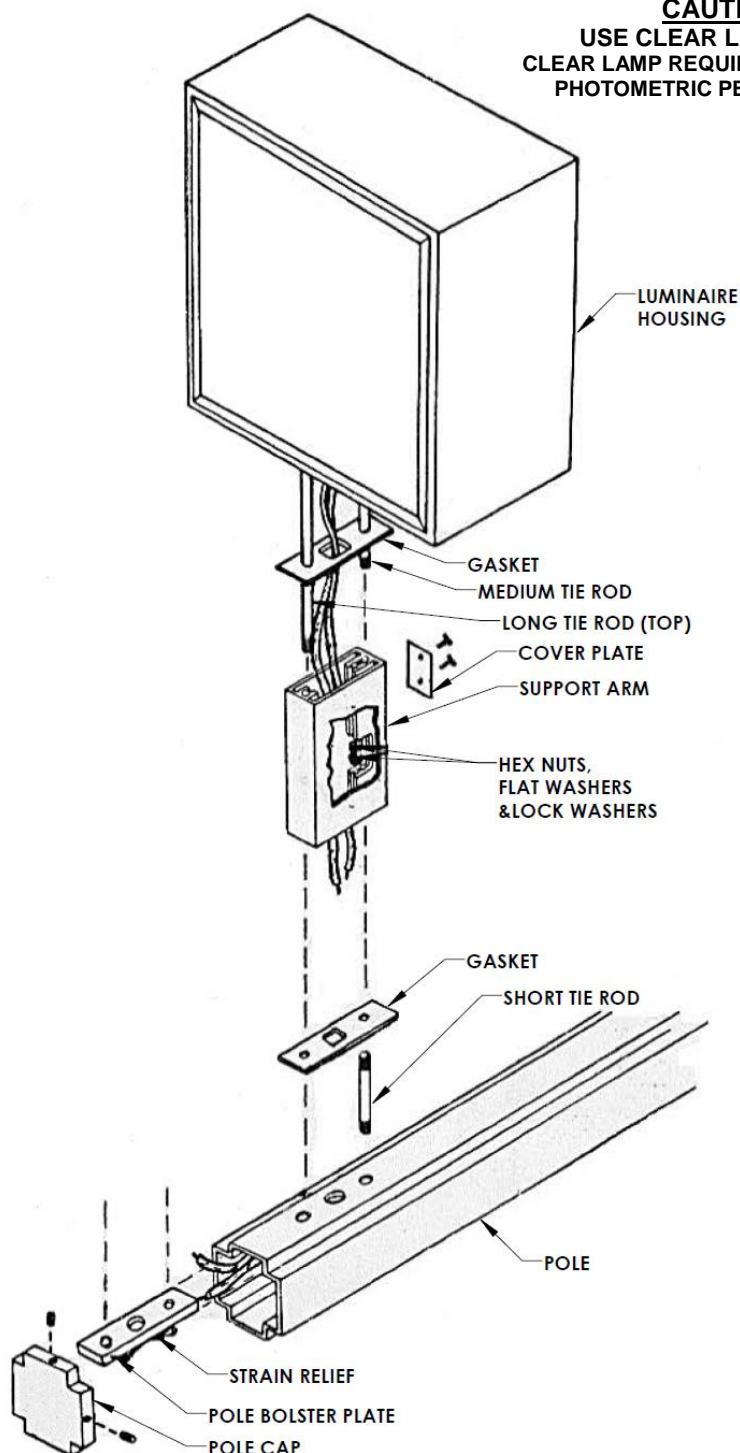


Fig. 2

INSTALLATION PROCEDURE

1. Place pole base edge on the concrete base close to the projecting anchor bolts so that the pole can be raised into position with the luminaire properly oriented.
2. Place saw-horse or similar support under pole near the top end so that pole top is sufficiently raised to allow for easy mounting of luminaire. NOTE: Poles are pre-drilled with holes for arm mounting.
3. Remove pole cap.
4. Pull field wiring leads through pole leaving sufficient leads above the pole to make connections in the pole.
5. Place pole bolster plate over three holes near inside top of pole with tapped hole at bottom. (See Fig. 1.)
6. Thread short tie rod into lower tapped hole in pole bolster plate. (See Fig. 1.)
7. Slip gasket and supporting arm over the tie rod projecting from the pole and secure with lockwasher and hex nut using an open end wrench through the hand hole in the arm. (See Fig. 2.)
8. Thread the long and the medium tie rods into the luminaire end. (See Fig. 1.) Place gasket over rods and luminaire leads. Guide rods through the appropriate tracks in the extruded aluminum arm and pull luminaire leads into the arm and through the center hole of the pole. Slip long tie rod through clearance hole in the pole and bolster plate and secure with hex nut and lockwasher. Secure the medium tie rod to the supporting arm with hex nut, flat washer, and lockwasher using an open end wrench through the hand hole. (See Fig. 2.)
9. Level luminaire and torque nuts to 25ft. lbs.
10. Splice field wire to luminaire leads in pole (input and grounding) and tie with strain relief on bolster plate.
11. Replace cover plate.
12. Replace pole cap.
13. Open lens door by sliding door latch tabs toward each other and hinging door to open position.
14. Make sure reflector is oriented properly for your application. Refer to the "reflector orientation" sheet (attached) which illustrates the various reflector positions. The page entitled "Servicing Procedures" explains how to remove or re-orient reflector and lens.
15. Note lamp type called out of reflector assembly. Install and tighten lamp securely. Install lamp stabilizer.
16. Replace lens door assembly.
17. Installing photocontrol (where applicable). Loosen two screws on top of photocontrol receptacle and rotate receptacle until "North" arrow on receptacle points North. Make sure receptacle is centered in its mounting hole, tighten screws, and install photocontrol.

NOTE: A cruciform pole is shown for illustration purposes:
Installation procedures for H26, EH14, or EH19 style luminaires to round poles are the same except the arm is radiused at the pole end.

NOTE: It is not necessary to open up the luminaire except for installing lamp or changing reflector orientation. Instructions for future servicing are shown on opposite side of this sheet.

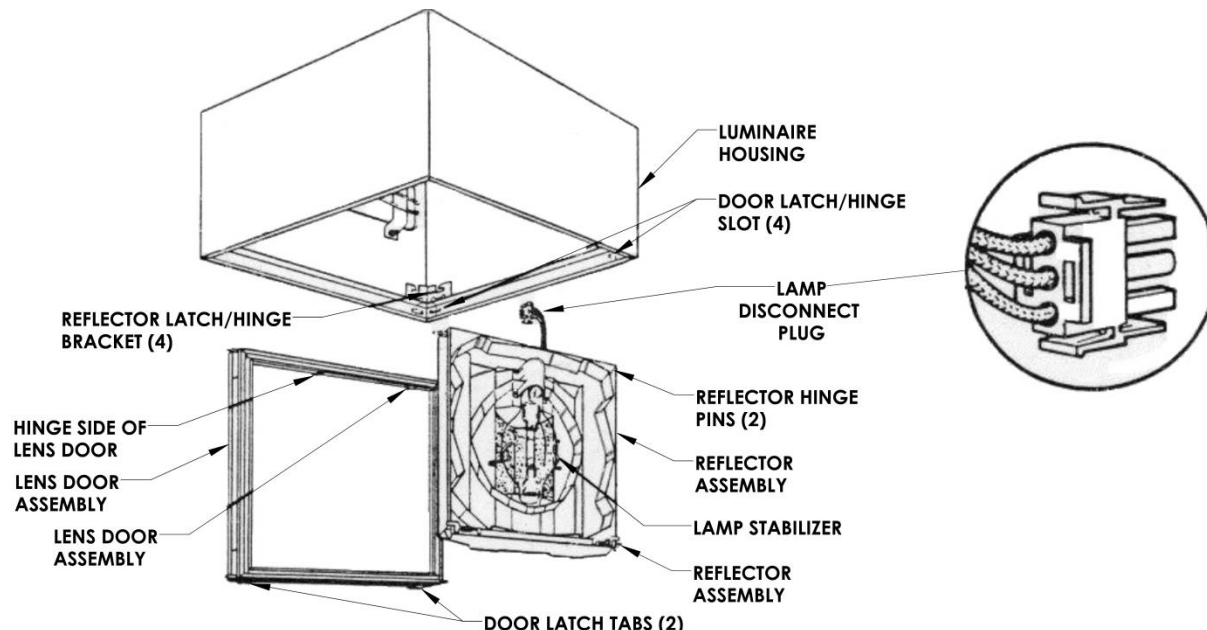
SERVICING PROCEDURES

FORM 10, H, EH, HUB, EHUB

General: Form 10 H and EH luminaires consist of a housing made from sheet aluminum or extruded aluminum respectively. The housing is equipped with a lens, reflector and a permanently attached chassis assembly to which the ballast and related electrical components are mounted. Luminaires ordered with the "UB" option have unitized ballast assemblies in which the chassis is not permanently attached but easily removable for servicing by unplugging an electrical disconnect and releasing hand operated fasteners.

Lens doors are equipped with spring loaded latch and hinge pins which engage slots located in the corners of the luminaire housing. Lenses may hinge from any one of three sides of luminaire.

All reflectors are equipped with fixed hinge pins and spring loaded latches which engage reflector hinge brackets attached at each corner inside the housing. Reflectors are designed to be installed in one of three possible positions as outlined in the attached "reflector orientation" sheet.



SERVICING PROCEDURE

Lens Door: Opening of lens door is accomplished by sliding the two exposed latch tabs toward each other and hinging door downward. After lens door is open, it may be removed by sliding the release latch tab located on the hinge side of door, toward center of door frame. This will free one hinge pin from luminaire housing allowing door to be removed. When replacing lens, make sure it hinges on the opposite side than the reflector hinges.

Reflector: After opening or removing lens door, the reflector may be opened or removed if so desired. Remember all reflectors can hinge on the front side of the luminaire housing or on either of the adjacent sides. Make sure reflector

hinges on the correct side for your application as lighting performance is affected. Refer to "reflector orientation" sheet.

Open reflector by sliding the two reflector latch tabs toward each other and hinging reflector downward. To remove reflector, first unplug reflector assembly from housing by grasping the nylon plug, squeezing together plug release tabs then gently pulling plug from receptacle. Next, grasp reflector (in opened position) using both hands and gently lift upward and toward side of luminaire housing to which it is attached. This will free reflector from hinge brackets, allowing it to be removed.

Electrical Components: Most electrical components are mounted to the rear inner luminaire housing. To gain access to these components it is only necessary to open lens door and reflector. On luminaires equipped with the "UB" option (unitized ballast assembly) the entire ballast assembly may be removed for servicing by first unplugging reflector from ballast assembly receptacle, and unplugging ballast assembly from housing receptacle, then releasing ballast assembly fastener(s).

INSTRUCTIONS GIVEN HEREIN DO NOT CLAIM TO ENCOMPASS ALL DETAILS OR VARIATIONS IN EQUIPMENT SUPPLIED OR THE PROCEDURE DESCRIBED. NOR CLAIMS TO PROVIDE INFORMATION TO COVER ALL CONTINGENCIES DURING INSTALLATION, OPERATION, OR MAINTENANCE. WHERE FURTHER DIRECTIONS OR INFORMATION IS REQUIRED PLEASE CONTACT YOUR PHILIPS SALES REPRESENTATIVE.