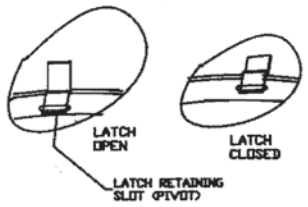
INSTALLATION INSTRUCTIONS

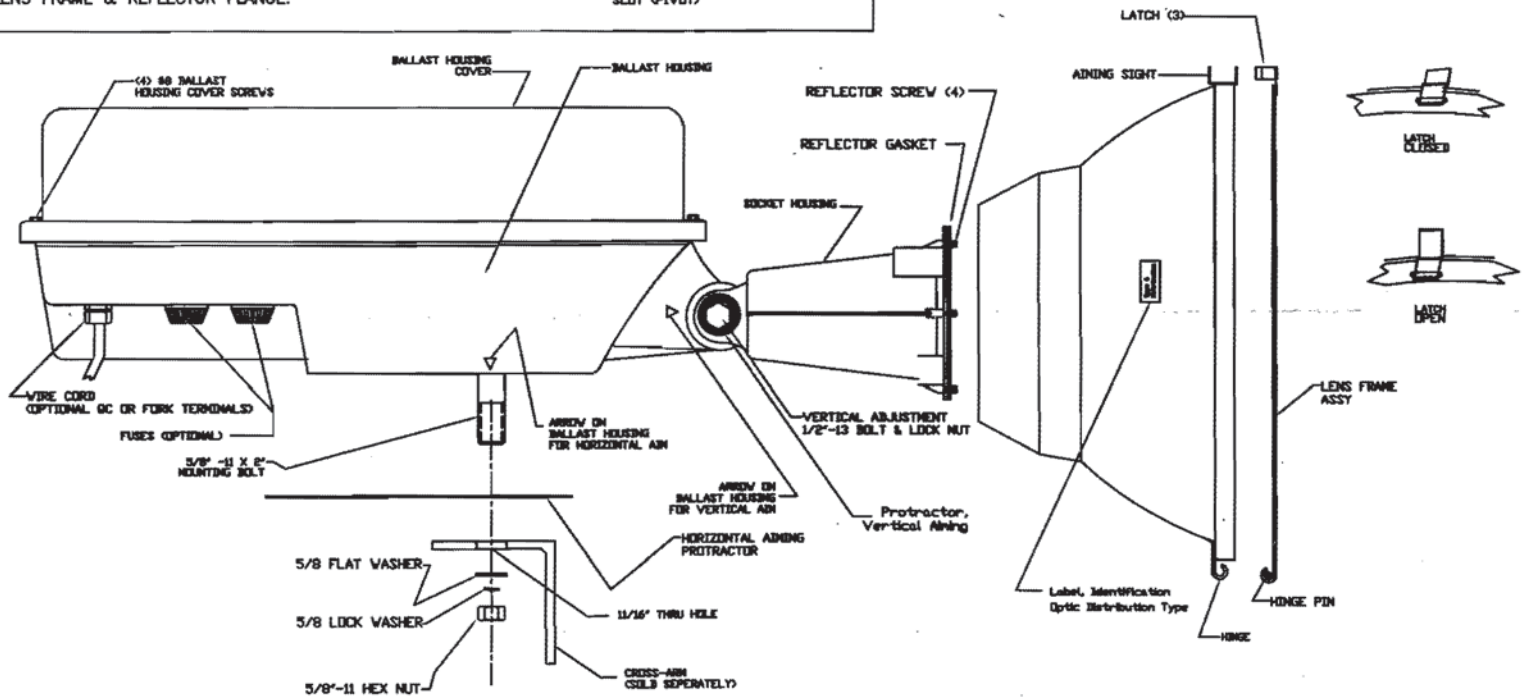
H.I.D OUTDOOR SPORTS FLOOD SERIES FIXTURES
HIGH PRESSURE SODIUM, METAL HALIDE AND MERCURY VAPOR

IMPORTANT:
TO OPEN LATCH, GRAB FLANGES WITH THUMB AND FOREFINGER, PULL IT & SWING IT OPEN WITH PIVOT POINT.

WARNING:

DO NOT PRY LENS FRAME OPEN BY INSERTING SCREWDRIVER IN CIRCULAR GAP. BETWEEN LENS FRAME & REFLECTOR FLANGE.





IMPORTANT

PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLING LIGHT FIXTURE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR EAGLE LIGHTING DISTRIBUTOR. RETAIN THIS SHEET FOR FUTURE REFERENCE.

WARNING

DISCONNECT POWER BEFORE PERFORMING INSTALLATION OR MAINTENANCE.

FAILURE TO DO SO MAY CAUSE INJURY OR DEATH DUE TO ELECTRICAL SHOCK.

TO BE INSTALLED ONLY BY QUALIFIED ELECTICAL PERSONNEL.

USE OF EYE AND HAND PROTECTION RECOMMENDED WHEN SERVICING THIS PRODUCT.

NOTE

UPON RECEIPT OF FIXTURE AND ACCESSORIES (PACKED SEPERATELY) THOROUGHLY INSPECT FOR ANY FREIGHT DAMAGES WHICH SHOULD BE BROUGHT TO THE ATTENTION OF THE DELIVERING CARRIER. EXAMINE CONTENTS OF CARTON AND COMPARE CATALOG DESCRIPTION ON PACKING SLIP WITH DATA LABEL ON FIXTURE. BE SURE THAT YOU RECIEVED THE CORRECT MERCHANDISE.

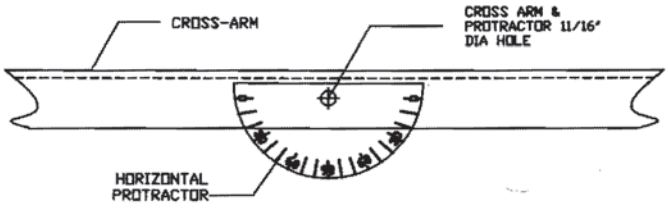
WARNING

DO NOT ADJUST VERTICAL AIMING OF OPTICS WITHOUT LOOSENING THE VERTICAL ADJUSTMENT LOCKNUT FIRST.

DO NOT OVERTIGHTEN THE VERTICAL ADJUSTMENT LOCKNUT. TIGHTEN TO 30 FT-LBS.

MOUNTING

Remove adhesive backing from Horizontal Protractor and adhere Horizontal Protractor to Cross Arm (Fig. 2)



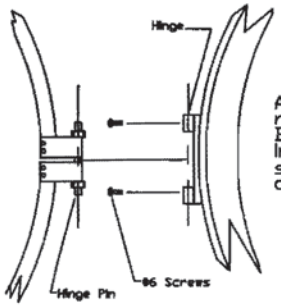
The Sports Flood is secured to the cross-arm with just one (1) 5/8"-11 bolt.
Mount the fixture by dropping the integral 5/8" mounting bolt thru a 11/16" dia. clearance hole in the cross-arm and hold fixture in place while securing the fixture with the large flat washer, 5/8" split lockwasher & hex nut. Tighten to 70-80 ft. lbs. Reinforced ribbed hub & bolt underside ballast housing must be entirely supported.

WARNING: Mounting Hole in the cross-arm must be NO LARGER THAN 11/16" DIAMETER WITH NO EXCESS METAL OR BURRS. CROSS-ARMS NOT WITH TOO LARGE OF A DIAMETER HOLE, MAY CAUSE FAILURES AT THIS JOINT.

MOUTNING REFLECTOR (Before Aiming)

Check reflector label to insure the optic with the correct Nema distribution is being mounted.
Align keyhole slots in neck of Reflector with mounting screws in Socket Housing (FIG. 1). Slip Reflector over mounting screws. Rotate Reflector until screws bottom out in slots. Make sure that keyhole slots have been fully rotated to engage screw heads in narrow portion of keyholes. Tighten (4) screws to 25-30 in. lbs.

ATTACHING LENS FRAME (Before Aiming)



Attach lens frame to reflector by nesting the hinge pin into the hinge. Be sure and secure the lens frame pins in the hinge by tightening #6 screws until screws bottom out to hold hinge pin captive.

AIMING

Horizontal - Horizontal aiming is done by carefully loosening the 5/8"-11 Locking nut which secures the Ballast/Socket Housings Assembly to the cross arm. Align the arrow on either side of the Ballast Housing with the desired angle on the Horizontal Protractor.
Vertical - Vertical aiming is done by loosening the Vertical Adjustment Lock Nut located between the Ballast Housing and the Socket Housing. Align the arrow on the Ballast Housing with the desired angle on the Socket Housing hub.

NOTE: DO NOT ADJUST VERTICAL AIMING WITHOUT FIRST LOOSENING THE "VERTICAL ADJUSTMENT LOCKNUT". DO NOT OVERTIGHTEN THE "VERTICAL ADJUSTMENT LOCKNUT" TIGHTEN TO 25 FT. LBS.

AIMING may also be accomplished by sighting between the (2) V-notches of the Aiming Sight (Optional) and the target.

POLE/STRUCTURES

NOTICES TO INSTALLER: When fixtures are mounted to poles or structures that are in areas requiring 100mph rating or higher, or if fixture is aimed @ 90 (Horizontal). It is recommended that fixtures be tethered as an additional safety precaution.

WIRING

If not supplied with optional pre-wired cord, this fixture must be wired with a 3-conductor cord that is suitable for outdoor use. Be sure it is U/L Listed, minimum 90 C SEOW cord. Use of 14/3 Cord is highly recommended.

Loosen the four (4) captive #8 screws which secure the Ballast Cover to the Ballast Housing and carefully lift off the cover of the housing.
Feed supply cord into ballast housing through the wire cord entry hole, through properly sized grommet & center hole in the compression fitting. (FIG. 3)
The end of the cord's jacket should not extend beyond 1/2" into the Ballast Housing.
Tighten the (2) screws provided to retain the the supply cord.
NOTE: On 120V and 277V systems, connect voltage supply lead to fixture lead marked with voltage marker, then connect neutral supply lead to fixture lead marked COM. to fixture lead marked with proper voltage and connect other supply lead to fixture lead marked COM. On multiple voltage fixtures insulate all unused fixture leads individually.
Connect fixture ground lead to a suitable ground.
Use approved connectors for all electrical connections.

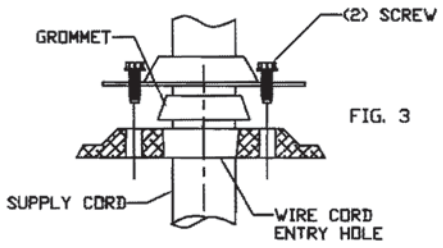


FIG. 3

LAMP INSTALLATION

THE latch opposite the hinge should be opened last. First, open the two side latches, then open the latch opposite the hinge. If servicing the fixture while it is aimed down, support the weight of the glass and frame with your free hand. Open the lens assembly until it can hang on the hinge.

CAUTION: DO NOT PUSH ON GLASS TO RELATCH.

MAINTENANCE AND CLEANING

To maintain the effeciency of the fixture, the optical assembly should be cleaned with a mild detergent and rinsed well with clean water.

CAUTION

DO NOT PERFORM CLEANING OR MAINTENANCE WHILE FIXTURE IS ENERGIZED.

PRIOR TO INSTALING LAMP IN THE FIXTURE, CHECK TO MAKE SURE THE LAMP IS OF PROPER TYPE AND WATTAGE. OBSERVE LAMP MANUFACTURER'S RECOMMENDATIONS AND RESTRICTIONS ON LAMP OPERATION. PARTICULARLY BALLAST TYPE AND OPERATING POSITION.

TROUBLE SHOOTING

In the event that your fixture fails to operate properly first check that:

1) The proper lamp is installed.
2) The lamp is not faulty.
3) The line voltage (at fixture) is proper.
5) The fixture is grounded properly.

If all of the above have been checked and your fixture still does not operate properly, contact your Eagle Lighting sales representative.

-BACK-