

Installation Instructions

GENERAL SAFETY WARNING!

Dangerous voltages exist within these fixtures and all precautions usually observed in handling high voltage equipment should be observed when replacing lamps, installing or otherwise servicing these fixtures.

WARNING!

To reduce fire and shock hazard: Disconnect power before servicing. Install and maintain fixture to meet all applicable codes. Ensure that fixtures and wiring are properly grounded. Read and follow all instructions, electrical data markers, lamp carton warnings and wiring labels before installing. Installation of fixture is to be performed by a qualified, licensed electrician only. The installer of this fixture is responsible for safe, secure mounting suitable for the application. Once fixture is installed, give these instructions to the equipment owner.

CAUTION!

- High temperature tempered glass sometimes ruptures spontaneously. Install to minimize hazard of falling diced glass.
- To identify individual NEMA beam spreads the following cross reference chart is provided. "I.D." labels are located on the top of each reflector.

NEMA BEAM	M.H.		H.P.S	
	100W, 1500W, 1650W		1000W	400W
2 X 2	SLSR2		SLSR2S	SLSR2
3 X 3	SLSR3A		N/A	N/A
4 X 4	SLSR4		SLSR4S	SLSR4
5 X 5	SLSR5		SLSR5S	SLSR5
6 X 6	SLSR6		SLSR6S	SLSR6

*Reflector NEMA beam spreads must be matched to ballast housing assemblies. The 10th digit of the ballast housing catalog number identifies the NEMA type required.
Example: SLS-1000H-050 (NEMA 5 ASSEMBLY)

Unpacking Instructions:

While unpacking, it is important to verify the location of all parts before discarding any packaging materials.

Assembly Instructions: (See figures 1a, 1b, 1c)

Prior to assembly, use a marker to mark the optical assembly I.D. number on the socket housing for later reference.

1. **PROTECTIVE HULL INSTALLATION** (If no hull is included in your installation, go to step #3): Place keyhole slots in hull (A) over the mounting screws (B) and rotate the hull in a counter-clockwise direction until it stops.
2. Place the gasket (D) (supplied with the hull) over the mounting screws inside the hull.
3. Place keyhole slots in reflector (E) over the mounting screws (B) and rotate the reflector in a counter-clockwise direction until it stops.
4. **1000 WATT HIGH PRESSURE SODIUM UNIT ONLY** (If fixture is not 1000W HPS go to step #6): Remove the top two (2) and the bottom two (2) screws from the socket housing (C).
5. Place the black baffle (F) (supplied with reflector) into the reflector over the holes and loosely install the top and bottom screws to retain the baffle.
6. Place lamp support bracket (G) (provided in ballast housing hardware bag) directly under (2) screw heads inside the reflector (or baffle if 1000W HPS).
7. Tighten the (6) mounting screws (B). Minimum of 20 Inch lbs.
8. Install lamp.
9. Remove the lens assembly retaining screw (AD) & nut (AE) from the lens ring hinge.
10. Attach the lens assembly to the reflector by installing the screw through the clearance holes in the reflector bracket and lens ring bracket. Drive the screw (AD) into the nut (AE) until the end of the screw goes totally through the nut. Otherwise the nut may fall off.
11. Close the lens ring assembly.
12. Ensure the gasket is seated properly & snap the (4) latches over the reflector flange.

Mounting Instructions:

1. Install the fixture by mounting the yoke to the appropriate auxiliary fitter with (2) ½" bolts, washers and nuts or (1) ¾" bolt, washer and nut. (supplied by others)
(Consult buyers guide for available mounting adapters.)
2. Attach the fixture to your pole or other mounting device. Ensure that once installed, the fixture's drain holes and reflector/lens hinge are

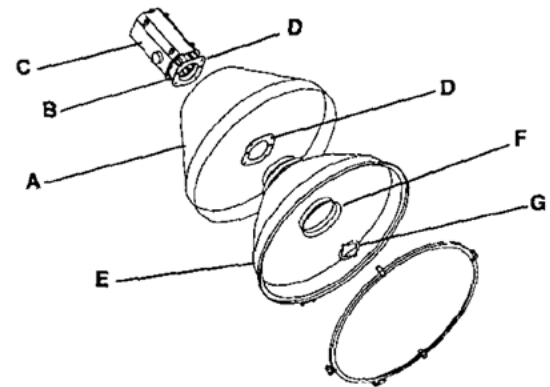


FIGURE 1a

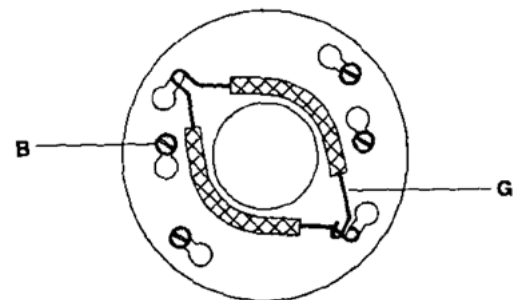


FIGURE 1b

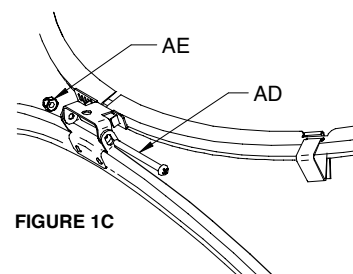


FIGURE 1c

REMOTE YOKE HEAD AXIAL OPTICS

INSTALLATION AND SERVICING INSTRUCTIONS

facing downward.

Wiring Instructions: (See Figures 2 & 3)

1. Loosen the (2) wiring cover screws (I) and swing the cover away to expose the wiring compartment.
2. Feed supply cord (N) into wiring compartment through the wiring hole (O) in the bottom of the socket housing.
3. Feed the supply cord through the appropriate rubber seal (P) and through the center hole in the retaining plate (Q).
4. Install the retaining plate using (2) #10-24 screws (R) provided. When installed, the end of the cord's outer jacket should not extend beyond 1/2" into the wiring compartment.
5. Tighten the (2) screws (R) to retain the supply cord.
6. Connect supply power leads to ballast primary leads in accordance with local and NEC Codes. Place the provided fiberglass sleeving around the entire length of supply power leads before connection to socket leads.
7. Attach ground lead to green ground screw inside wiring compartment and replace cover (J).

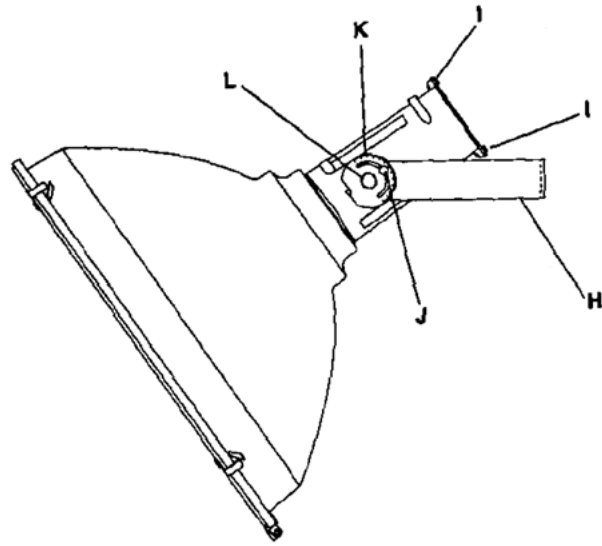


FIGURE 2

Aiming Instructions: (See Figures 2)

Remote unit target aiming is accomplished with the use of an optional aiming sight bracket

1. To position fixture horizontally, loosen the bolts holding the auxiliary fitter to the pole or mounting surface and rotate the fixture to the desired position. Tighten the bolts.
2. For vertical aiming, slightly loosen the yoke bolts (L) and the aiming bolt (J) that holds the prepositioning stop bracket (K).
3. Position the fixture to the required vertical angle.
4. Ensure that the stop on the repositioning bracket is resting firmly against the mounting yoke (H)
5. Tighten the yoke bolts and the aiming bolt.

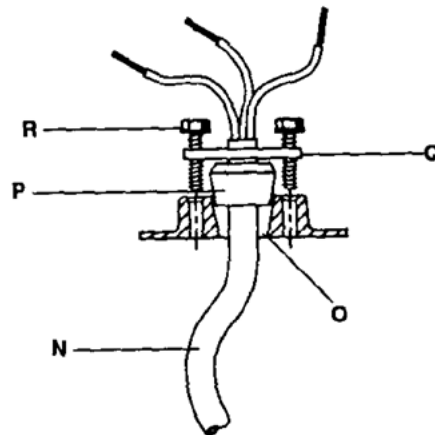


FIGURE 3