HID LUMINAIRES
Installation & Maintenance Information

INSTRUCTIONAL TEXT

CAUTION: Read carefully before installing and wiring the luminaire. These instructions include information for installation in both hazardous and marine locations. Any warning or special instructions should be closely followed. Marine installations on boats should be done in accordance with the regulations of the USCG, CFR46, SUB CHAPTER I, PARTS 110-113. Hazardous area installations should be done in accordance with article 500 and 501 of the NEC. Check the ratings to insure suitability for the area.

INSTALLATION & ELECTRICAL WIRING

WARNING: Risk of electrical shock hazard, only qualified personnel should conduct this procedure! Do not make electrical connections with the power ON. Disconnect supply circuit at least 30 minutes before opening fixture for servicing and/or re-lamping. Refer to fixture nameplate for minimum supply wire rating.

1. Define mounting position of crane boom mount (6D). See mounting dimensions illustration below. If needed cut 1-7/8" diameter pipe to desire length. Mount and/or weld crane boom mount in place. Assemble fixture to crane boom mount using 5/8" bolts and washers (9J, qty 3) with nuts (9H, qty 3) provided.
2. Attach threaded fitting to the ¾" NPT coupling. Fitting must be sufficiently tightened to produce a vacuum-tight seal.
3. Unlatch all eight (8) lens frame latches (5A) and open the lens frame. Avoid damaging the sealing gasket during installation and/or servicing.
4. Remove screws (9C, qty 2x) and remove main reflector (3B).
5. Remove screws (9D, qty 3x) and remove lower reflector (3A).
6. Route supply cable thru fitting.
7. Strip the supply cable's jacket (not provided) back approximately 8".
8. Strip the insulation of the supply wires back approximately 3/8".

WARNING: See nameplate for voltage & frequency requirements!
Fixtures may be provided with multi-voltage ballast (120/208/240/277) vac 60Hz. Unless otherwise specified at time of order, fixtures are pre-wired for 120 vac. To change the voltage, remove the wire nut from the desired voltage lead. Make sure unused voltage leads ends are capped with wire nuts.
9. Connect L1 or hot lead to the desired voltage. Connect L2 or neutral to the ballast common yellow wire or white lead. Connect ground wire to green ground wire (8E). See wiring diagram illustration below.
10. Pull excess supply wire out of housing.

WARNING: Verify that the H.I.D. lamp complies with lamp specifications on fixture nameplate.
11. Install the proper wattage lamp (not provided) into the lampholder (4A), making sure the center contact of the lamp seats well into the lampholder. If a lamp support is supplied, position the lamp in the support for maximum retention.
12. Replace reflectors (3B) and (3A) using screws (9C) and (9D).
13. Close lens frame and securely engage all eight (8) lens frame latches (5A).

WARNING: Product must be used only with lens intact and all lens frame latches fully engaged. Replace cracked or damaged lens prior to use.
14. Aim the fixture. Loosen the two bolts (9I) holding the U-shaped bracket to the housing. Rotate the fixture to the desired direction and securely tighten the U bracket bolts (9I).

WARNING: If aiming position must be readjusted, use caution, as external surfaces may become extremely hot.
15. Grease crane boom thru 1/8" grease insert (5D).

COMPONENT TRAY REPLACEMENT
1. Unlatch all eight (8) lens frame latches (5A) and open lens frame.
2. Remove lamp.
3. Remove screws (9C, qty 2x) and remove main reflector (3B).
4. Remove screws (9D, qty 3x) and remove lower reflector (3A).
5. Disconnect supply wires. Disconnect ground wire.
6. Remove nuts (9E) (qty 4, 1/4-20) from bottom of housing. Do not remove center nuts (9G).
7. Pull tray (4F) up and out of housing.
8. To install component tray (4F) perform these steps in reverse order.

Spare Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Lens</td>
<td>INX2153</td>
</tr>
<tr>
<td>HPS Lampholder</td>
<td>INX4004</td>
</tr>
<tr>
<td>MV &amp; MH Lampholder</td>
<td>INX4100</td>
</tr>
<tr>
<td>Crane Boom Mount</td>
<td>INX7001</td>
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Crane Boom Mount Dimensions

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.

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