

# INSTALLATION DATA SHEET

## MHL SERIES

### LED LUMINAIRE FOR USE IN HAZARDOUS LOCATIONS

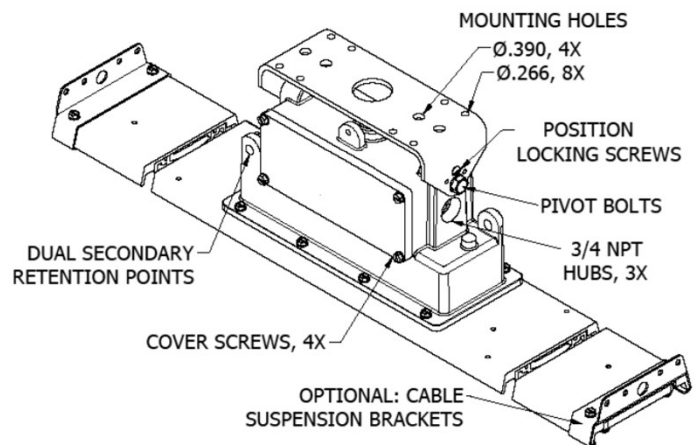
Class I, Division 2, Groups A, B, C & D, Class II, Division 2, Groups F & G, Class III  
Suitable for Marine Outside Type (Saltwater)

#### WARNING!

- To reduce risk of fire or explosion, do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmosphere(s).
- These luminaires should be installed by qualified technicians using suitable hazardous location wiring methods in strict accordance with the National Electrical Code, NFPA 70 and any local requirements.
- To prevent risk of electrical shock, deactivate/ disconnect power supply before opening. Keep tightly closed when in operation.

#### INSTALLATION: Mounting:

1. The luminaire should be installed per USCG-46CFR, subchapter J, parts 100-113 for all marine applications.
2. Some of the typical installations are shown on the back of the instruction sheet.
3. This luminaire is equipped with (3) 3/4 NPT hubs for incoming power cable and Cord-Grip (not provided). Plug unused openings with plugs provided.
4. Secure the luminaire yoke to desired mounting surface using (4) 1/4" or (2) 3/8" bolts or lag screws (not provided), OR pendant mount via the top 3/4NPT hub, secure with set screw.
5. To make vertical adjustments, remove the 10-32 x 1/2" position locking screws from the yoke, loosen the pivot bolts on the yoke and aim to desired angle in 15° increments. Reinstall the positioning screws in aligning holes and re-tighten the pivot bolts.
6. The unit may be fitted with beam clamps, however a secondary retention device is recommended. (see additional info at the back of this instruction sheet)



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MHLIDS

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## **Wiring:**

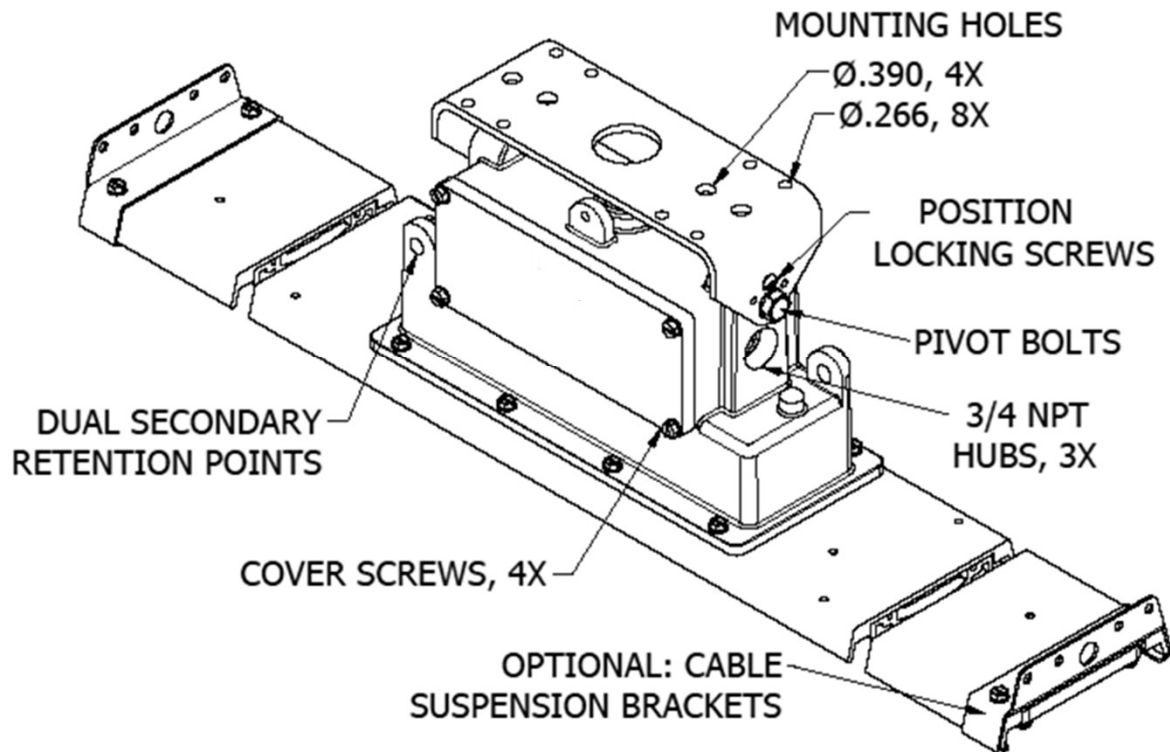
1. Before installing, make sure that the circuit is deactivated.
2. This unit is furnished completely assembled. Before installing, check the luminaire label to ensure correct voltage and frequency.
3. The LED driver in this luminaire is designed to operate on grounded neutral systems only.
4. Open the front cover by loosening the four (4) 10-32 x 1" captive screws.
5. Terminal Block for power leads are clearly marked. Connect the ground wire first. Then select the correct voltage leads as determined by the supply voltage to the luminaire and install the incoming black and white leads to the respective terminal block slot.
6. Re-install the front cover, making sure the gasket is seated in the groove and tighten the cover screws.
7. Close any un-used hubs with plugs provided.

## **OPERATIONAL DATA:**

1. Operate this luminaire at its rated voltage. See the luminaire label for data.

## **MAINTENANCE DATA:**

1. Although no routine maintenance is required to keep this luminaire functional, it should be checked periodically to ensure it is working properly, and to look for any external damage.
2. For optimum performance, keep the light transmission portion of the luminaire clean.



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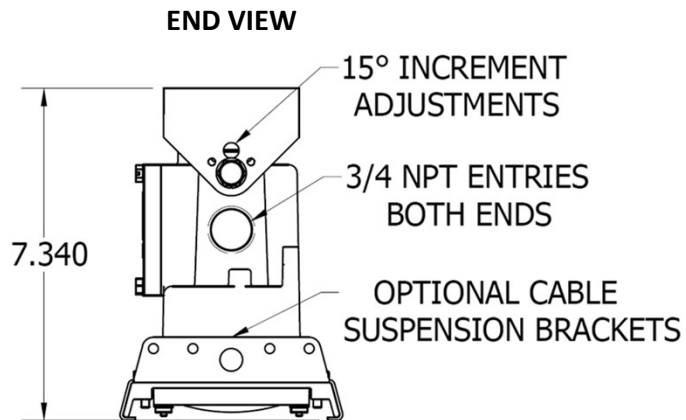
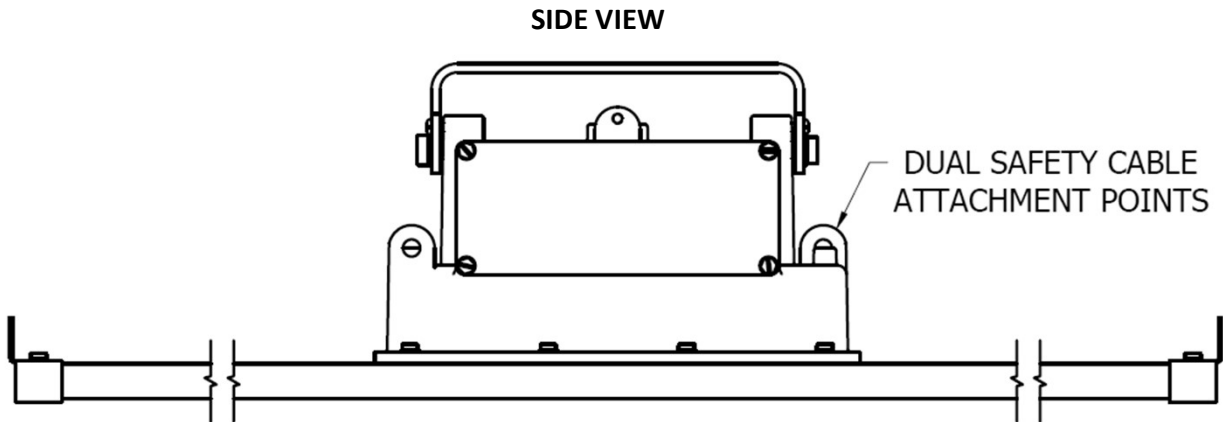
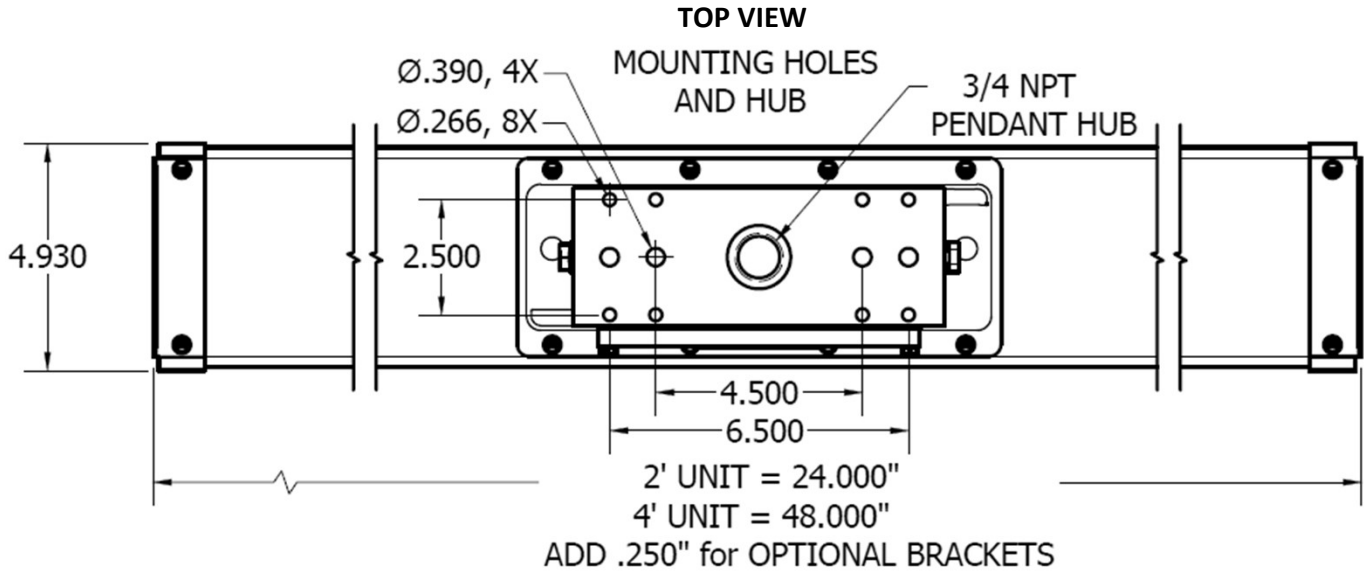
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## DIMENSIONAL DATA



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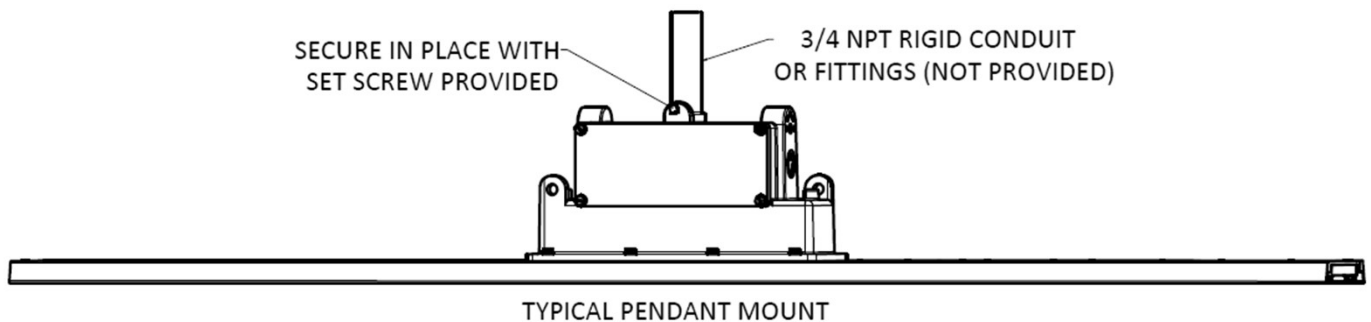
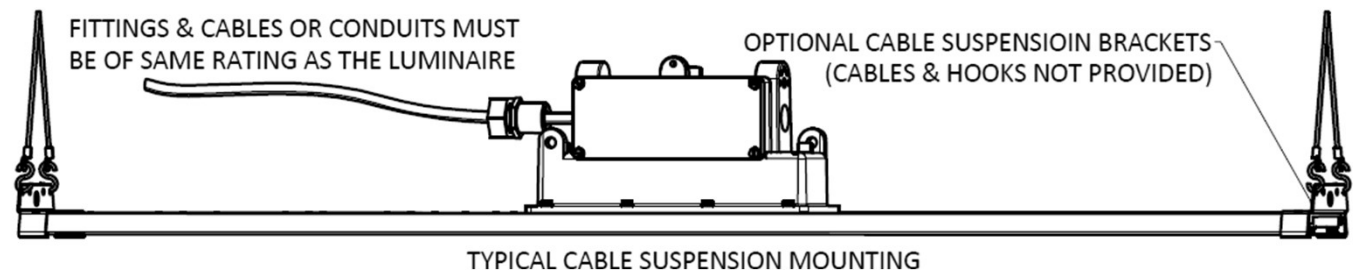
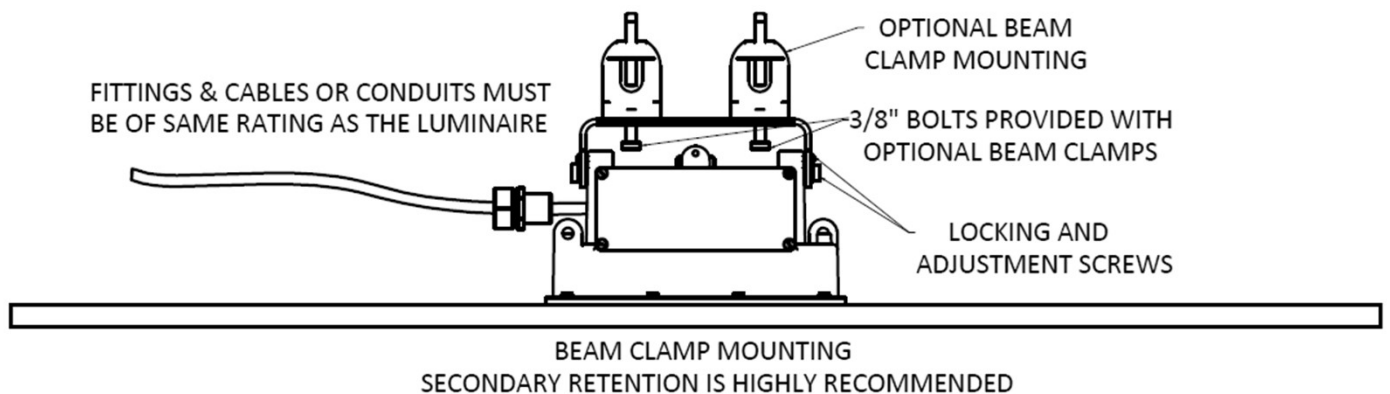
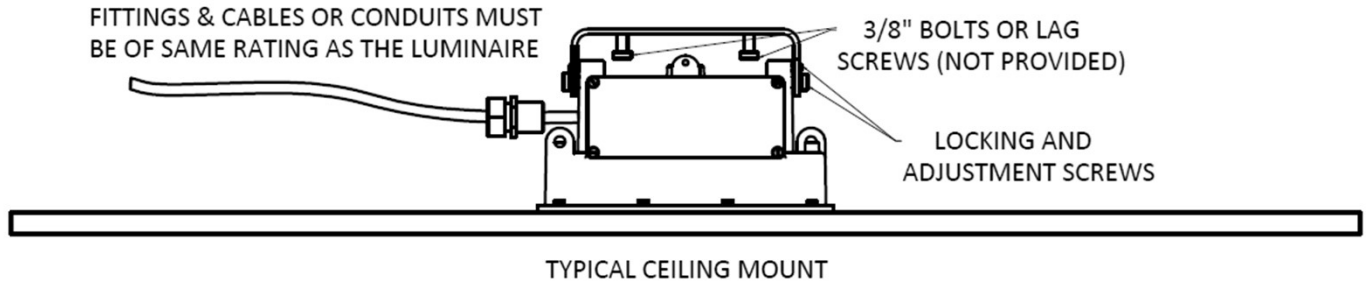
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## TYPICAL INSTALLATION AND MOUNTING INSTRUCTIONS

FOR REFERENCE ONLY, ALL WORK SHOULD BE PERFORMED BY QUALIFIED TECHNICIANS.  
FITTINGS & CABLES OR CONDUITS MUST BE OF SAME RATING AS THE LUMINAIRE.  
(NOT PROVIDED)



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