FEPR240EM2 / FEPR260EM SERIES
FLUORESCENT LUMINAIRES
Installation & Maintenance Information

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

**WARNING**
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 10-113. 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. Must be installed in accordance with the NEC (National Electrical Code) and or CEC (Canadian Electrical Code) and all other applicable codes. All luminaires must be properly grounded. To reduce the risk of fire or explosion, do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmosphere.

**INSTALLATION & ELECTRICAL WIRING**

Risk of electrical shock hazard, only qualified personnel should conduct this procedure! Do not make electrical connections with the power ON. Refer to fixture nameplate for minimum supply wire rating.

1. Define mounting method, direct mount to 3/8" mounting holes or use beam clamp provided. This fixture is extremely heavy and must be mounted to a surface that can structurally support 100 lbs.
2. Loosen screws (9D) to adjust position of brackets (6A) along tubing (1D). Position brackets (6A) and tighten screws (9D). See mounting dimensions illustration. NOTE: If fixtures are mounted in-line at distance less then 54", tilt mount brackets (TLT) options are required for re-lamping.
3. Keep fixture as horizontal as possible while mounting. Do not let fixture hang on end at any time.
5. Clamp mount: Slide beam clamps over beam and tighten setscrew (9C).
6. Remove plastic cap (8F).
7. Unscrew all bolts (9E) (qty 22x, 5/16"-18) from large ballast box cover (1B).
8. Slide fitting (not provided) over supply cable (not provided).
9. Strip the supply cable jacket back approximately 2".
10. To prevent high voltage on red and yellow output leads prior to installation, use a connector must be open. Make sure the necessary branch circuit wiring is available. An unswitched source of power is required. The battery backup ballast (EM) must be fed from the same branch circuit as the AC ballast (L1).
11. See nameplate for voltage & frequency requirements!
12. Connect L1 or hot lead to the black (L1) wire for AC ballast. Connect emergency power source to the red (EM) wire for the emergency ballast. Connect L2 or neutral to the common white wire. Connect ground wire to green ground wire. Place each wires and connections inside ballast box. See wiring diagram illustration below.
13. Connect the battery connector. Battery backup ballast must be charged for at least 24 hours.

**LAMP REPLACEMENT**

Disconnect fixture from supply circuit before removing end caps (1C). Do not re-energize until end caps are re-installed.

Use only lamp size, type and/or wattage as shown on fixture nameplate.

1. Loosen and remove end cap (1C) by turning counter-clockwise.
2. Loosen the screws (9H) (qty 2, #6-32) or depress the retaining clips.
4. Slide new lamp (4A) into glass tube and engage to lampholder at opposite end.
5. Replace lampholder bracket (6D) and tighten screws (9H) (qty 2, #6-32) or engage clips.
6. Replace end cap (1C).

**NOTICE**
When replacing end cap, make sure that there are no protruding wires that can be pinched.

<table>
<thead>
<tr>
<th>Spares Parts</th>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>40w Globe Assembly</td>
<td>FX90014A/B-40</td>
<td></td>
</tr>
<tr>
<td>60w Globe Assembly</td>
<td>FX90014A/B-60</td>
<td></td>
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<tr>
<td>60w Lampholder</td>
<td>FX4010A/B</td>
<td></td>
</tr>
<tr>
<td>40w Lampholder</td>
<td>FX4012A/B</td>
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Notes: A/B = A (Aluminum) or B (Brass)
Lampholder - order 2 per lamp

Do not attempt to install this luminaire unless you are familiar with warnings, cautions and procedures outlined in this information. Product must be used only with glass tubes intact and all caps threads fully engaged. DO NOT use if glass tubes are cracked or damaged. FEPR fixtures are intended for horizontal mounting by clamps or direct to cross members. Adjustable L brackets allow mounting straight down. Do not exceed 45° from horizontal straight down for applications in Class II Div 1 Groups E,F, & G. Disconnect both normal (L1) and emergency power (EM) supplies and battery connector of the emergency ballast before servicing. Keep tightly closed when in operation. Do not attempt to service the battery. A sealed no maintenance battery is used that is not field replaceable. Contact factory for information on service.

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