

! CAUTION

- All wiring should be done by a licensed electrician in accordance with state codes, local codes and National Electric Code (NEC) standards.
- Improper installation may result in serious injury and void warranty.
- May contain parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- This fixture is extremely heavy and must be mounted to a surface that can structurally support the load.

Certifications

Phoenix LFXB fixtures have the following certifications:

UL 1598 listed: Suitable for Wet Location

UL 1598A listed: Marine Outside Type (Saltwater)

UL 844 Hazardous Locations

Class I, Division 1 Groups C & D

Class II, Division 1 & 2 Groups E, F & G

Note: Suitable for locations having deposits of readily combustible paint residues.

Mounting

Note: In applications where vibration is present, do not mount fixtures on surfaces that are unsupported or are subject to flexing. It is strongly suggested to use two qualified tradespeople to proceed with the final mounting of the fixture to avoid any personal injury or damage to the fixture as the unit weighs approximately 66 pounds (30 kg).

Fasten fixture with two 3/8 inch (9.53 mm) diameter screws through holes provided in the mounting brackets on either end. For 4-lamp models, use four mounting brackets.

This fixture is extremely heavy and must be mounted to a surface that can structurally support the load.

Do not let fixture hang on only one bracket at any time. Failure to comply can result in breakage of an end casting or mounting bracket allowing the fixture to fall, which can cause serious injury or death and will void warranty.

! CAUTION

- Operate only with lamps suitable for ballasts.
- Operate only with proper voltage and frequency.
- Use protective gloves and protective eye equipment when replacing lamps.
- Use caution when handling and disposing of fluorescent lamps as recommended by the lamp manufacturer.

Relamping

1. Remove the outer end port covers, and loosen the two outer screws holding the lamp socket brackets to the inside of the lamp ports.
2. Turn the lamp sockets slightly and pull out. Remove and replace the lamps.
3. Be sure to tighten the lamp port covers so the metal touches.

The reflector and glass tubes should be cleaned during relamping to maintain photometric efficiency.

Recommended Lamp Use

Model No.	Lamp Type
LFXB2217, LFXB4217	F17T8
LFXB2432, LFXB4432	F32T8
LFXB4254, LFXB4454	F54T5HO



Wiring

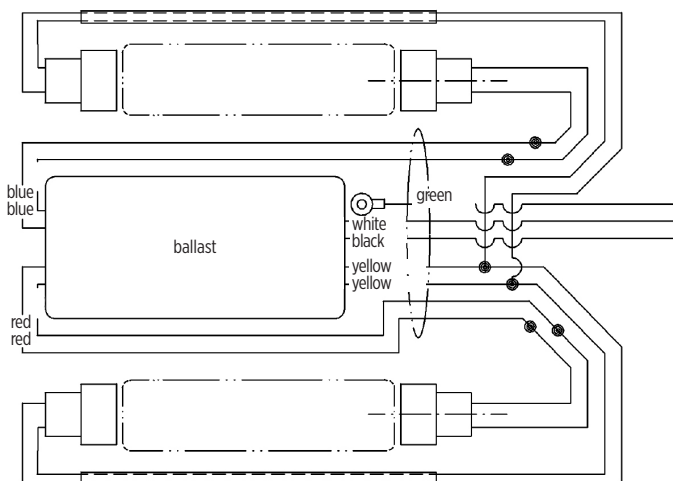
1. Electrical fittings and conductors used must be appropriate for the applications and in compliance with accepted codes.
2. Access the wiring compartment by loosening the center cover on the ballast box end of the fixture.
3. Bring electrical power into the fixture through the hole threaded for ½ inch (12.7 mm) conduit in the casting on the ballast box end of fixture.
4. Wiring connections are to be made in accordance with the wiring diagrams shown in Figure 1. Proper electrical voltage and frequency for each fixture model is shown in the lamp recommendations table on page 1.
5. The green conductor is grounded to the fixture and must be connected to a positive ground. Close center cover and fully tighten.
6. Fixture is now ready for mounting. (Refer to 'Mounting' section: It is strongly suggested to use two qualified tradespeople to proceed with the final mounting of the fixture to avoid any personal injury or damage to the fixture as the unit weighs approximately 66 pounds (30 kg).)

Do not connect green (ground) wire to power source.

Figure 1

Schematic Wiring Diagram

**2-Lamp
17W and 32W**



! CAUTION

- To prevent high voltage from being present on ballast output leads prior to installation, inverter connector must be open. Do not join inverter connector until installation is complete and AC power supply is connected to the emergency battery backup.
- To reduce risk of shock, disconnect both normal and emergency power supplies and inverter connector of the emergency ballast before servicing fixture.
- Do not attempt to service battery inside emergency ballast.

Installation of Fixtures with Emergency Ballasts (EMB suffix)

1. For supply connections, use wire suitable for at least 90° C.
2. An unswitched power supply must be available for emergency ballast use. The unswitched lead must be fed from the same branch circuit as the switched lead.
3. To make electrical connections, remove center end cap and connect the following:
 - Switched incoming (hot) lead to red fixture lead
 - Unswitched incoming (hot) lead to black lead
 - Incoming neutral (common) lead to white lead
 - Ground lead to green lead
4. Join inverter connection (red and white leads with integral plug/receptacle) of emergency ballast after connecting incoming leads. Install appropriate lamps. Close and latch lens frame.
5. Close center cover and fully tighten. Fixture is now ready for mounting. (Refer to 'Mounting' section: It is strongly suggested to use two qualified tradespeople to proceed with the final mounting of the fixture to avoid any personal injury or damage to the fixture as the unit weighs approximately 66 pounds (30 kg).)
6. Charge unit for 24 hours before use.

Ballast and Emergency Ballast Replacement

Note: When replacing the ballast box cover, be sure the o-ring seal is seated in the groove properly. The screws must be tightened alternately in rotation so that a 0.0015 feeler gauge does not enter the joint more than 0.125 inch (3.18 mm) at any point.

If a ballast must be replaced, access to the ballast is accomplished by removing the 22 screws on the top of the ballast box.

Operation of Emergency Ballast

When AC power is applied, the charging indicator light will be illuminated, indicating that the battery is being charged. When power fails, the emergency ballast automatically switches to emergency power (internal battery). The fixture will then operate one lamp at reduced illumination for at least 90 minutes.

A spot test of the emergency ballast function may be performed by removing lens and depressing test switch on lamp side of the reflector. One lamp should operate at reduced illumination while the switch is depressed.

For additional information, please refer to EMB system installation instructions provided.

