

! CAUTION

- Do not attempt installation until you are familiar with all warnings, precautions and procedures outlined within these installation instructions.
- All wiring should be done by a licensed electrician in accordance with state codes, local codes, NFPA 70 and National Electric Code (NEC) standards. For code interpretation, consult your local authority.
- To reduce the risk of fire or explosion, do not install fixture in any classified location where the marked operating temperature exceeds the ignition temperature of the hazardous atmosphere(s). Consult fixture nameplate for the suitable ambient temperature rating as well as minimum supply wire temperature rating.
- To prevent risk of electrical shock, deactivate/disconnect power supply before opening. Keep tightly closed when in operation.
- Improper installation may result in serious injury and void warranty.
- This fixture is extremely heavy and must be mounted to a surface that can structurally support the load.
- Verify that the supply voltage agrees with fixture rating as indicated on nameplate.
- Product must only be used when glass tubes are intact and all cap threads are fully engaged. Do not use if glass tubes are cracked or damaged.
- Make sure the power is disconnected before installation.

Certifications

Phoenix LFXB LED fixtures have the following certifications:

UL 1598 listed: Suitable for Wet Location

UL 1598A listed: Marine Outside Type (Saltwater)

UL 844 Harzardous Locations

Class I Division 1 Groups C & D

Class II Division 1 Groups E, F & G

Class III

UL 924 Emergency Lighting Equipment

Suitable for locations having deposits of readily combustible paint residues.

Wiring for Non-EMB Fixtures

1. The LFXB LED is rated for 120-277V, 50-60Hz. Verify that the supply voltage agrees with fixture rating as indicated on nameplate.
2. Electrical fittings and conductors used must be appropriate for the applications and in compliance with accepted codes.
3. Access the wiring compartment by loosening the center cover. See Image 1.
4. Bring electrical power into the fixture through the hole threaded for ½ inch NPT conduit in the casting. Install the conduit to fixture.
5. For supply connections, use wire suitable for at least 90°C. Wiring connections are to be made in accordance with the wiring diagrams shown in Figure 1.
6. The green conductor is grounded to the fixture and must be connected to a positive ground. Close center cover and fully tighten.
7. 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 up to 66 pounds (30 kg)).

Image 1

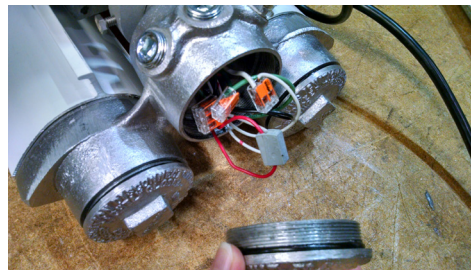
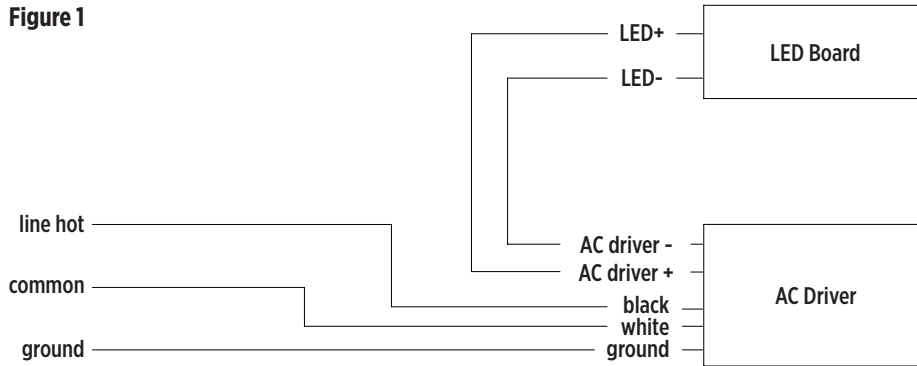


Figure 1



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 up to 66 pounds (30 kg).

The mounting brackets are shipped installed on the fixture.

Fasten fixture with two appropriate sized screws through holes provided in the mounting brackets on either end.

This fixture requires a minimum of 50 inches of clearance from re-lamp end of fixture for LED board replacement.

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. Failing 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.

Driver Replacement

Note: When replacing the driver box cover, be sure the o-ring seal is properly seated in the groove. The screws must be tightened in alternate 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 driver must be replaced, access to the driver is accomplished by removing the 22 screws on the top of the driver box.

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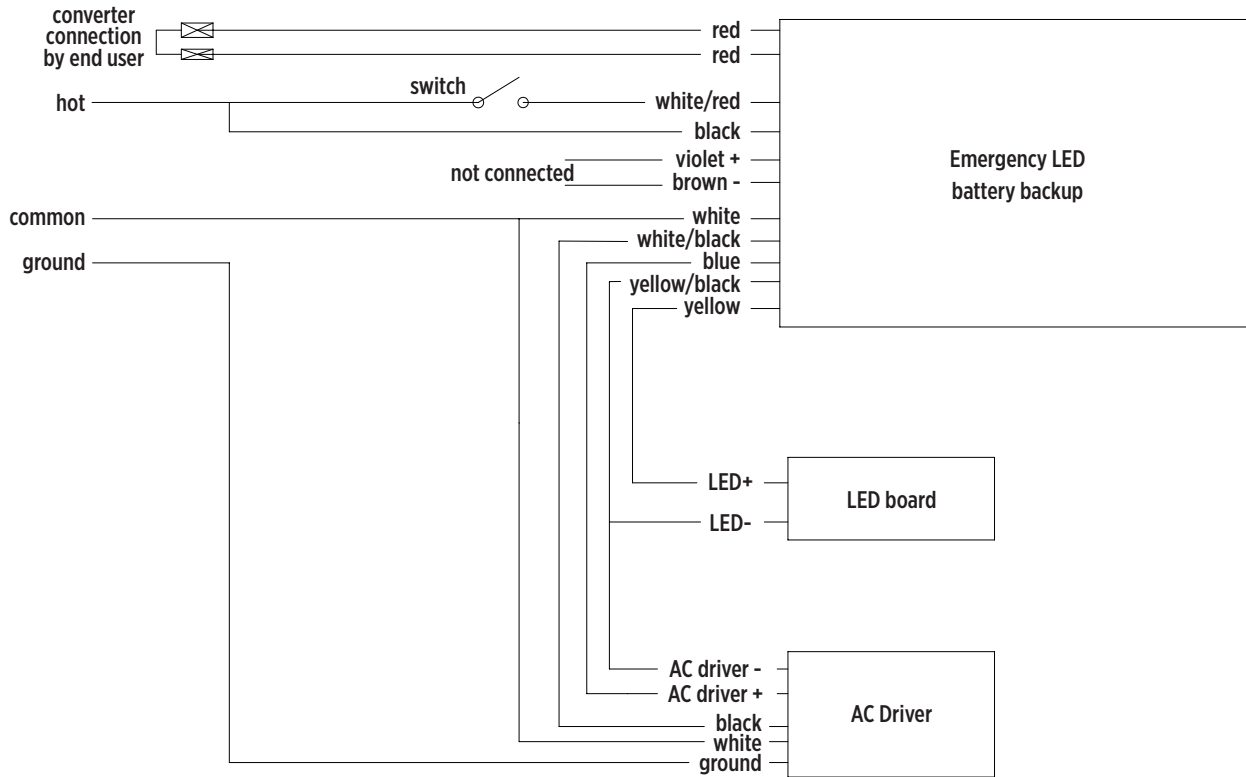
- To prevent high voltage from being present on ballast output leads prior to installation, inverter connector must be open. Do not join inverter connector until installation is complete and AC power supply is connected to the emergency battery backup.
- To reduce risk of shock, disconnect both normal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

EMB

Note: Connect red leads together for battery connection. See Figure 2. Only one LED strip will be illuminated when emergency lighting power is operating. The EMB will illuminate one LED strip for 90 minutes.



Figure 2



Installation of Fixtures with Emergency Battery Backup (EMB suffix)

1. For supply connections, use wire suitable for at least 90° C.
2. An unswitched power supply must be available for emergency battery backup use. The unswitched lead must be fed from the same branch circuit as the switched lead.
3. To make electrical connections, open center cover (see Image 1 and Figure 2):
 - Switched incoming (hot) lead to white/red 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 red leads with integral connector) of emergency battery backup after connecting incoming leads.
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 up to 66 pounds (30 kg).)
6. Charge unit for 24 hours before use.