

PHOENIX[®]

INSTALLATION INSTRUCTIONS FOR LFAR SERIES FLUORESCENT FIXTURE

INSTALLATION OF NON-EMERGENCY BALLASTED FIXTURES ONLY

WARNING!

- TO PREVENT RISK OF ELECTRICAL SHOCK DEACTIVATE/DISCONNECT POWER SUPPLY BEFORE INSTALLING OR RELAMPING FIXTURE.
- **TO REDUCE RISK OF FIRE OR EXPLOSION, DO NOT OPEN FIXTURE LENS FRAME WHEN HAZARDOUS ATMOSPHERE(S) ARE PRESENT.** DO NOT INSTALL WHERE THE MARKED OPERATING TEMPERATURE EXCEEDS THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE(S).
- THIS FIXTURE SHOULD BE INSTALLED BY QUALIFIED TECHNICIANS IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ANY STATE OR LOCAL REQUIREMENTS.

For supply connections, use wire suitable for at least 90°C.

USING CABLE (FIGURE A)

The fixture wires are exposed when shipped.

- To make electrical connections, remove lens and connect the following:
 - Black lead to incoming phase ("HOT") line lead
 - White lead to incoming neutral ("COMMON") lead
 - Green lead to ground lead
- Feed wires into fixture and seal entry with 0.75 inch (1.91 cm) NPT CG-Type watertight connector or equal. (Cable and connectors not supplied)

USING CONDUIT (FIGURE B)

- Push wires into hub.
- Install conduit to the fixture.
- Unlatch lens frame on both sides of the fixture and remove the two screws securing the reflector.
- Remove the reflector to reveal wiring chamber of fixture.
- To make electrical connections, connect the following:
 - Black lead to incoming phase ("HOT") line lead
 - White lead to incoming neutral ("COMMON") lead
 - Green lead to ground lead
- Replace reflector and install appropriate lamps.
- Close and latch lens frame.

Figure A

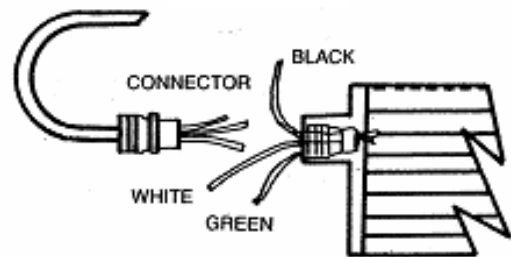
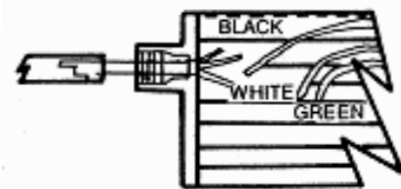
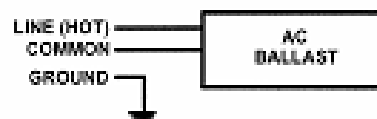


Figure B



Fixtures without Emergency Ballast



INSTALLATION OF FIXTURES WITH EMERGENCY BALLASTS (EMB SUFFIX)

WARNING!

- 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 BALLAST.
- **TO REDUCE RISK OF SHOCK, DISCONNECT BOTH NORMAL AND EMERGENCY POWER SUPPLIES AND INVERTOR CONNECTOR OF THE EMERGENCY BALLAST BEFORE SERVICING FIXTURE.**
- DO NOT ATTEMPT TO SERVICE BATTERY INSIDE EMERGENCY BALLAST.

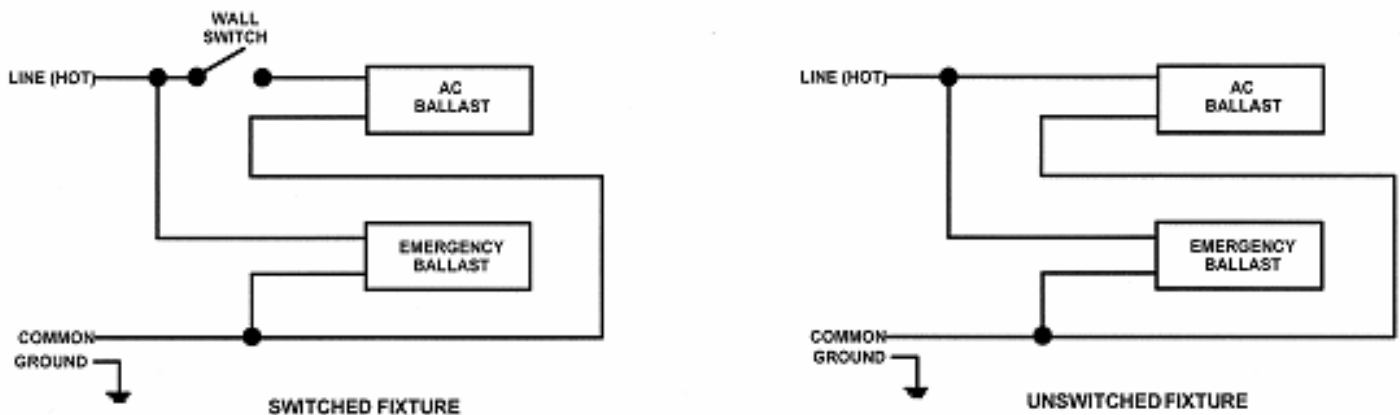
1. For supply connections use wire suitable for at least 90°C.
2. An unswitched power supply must be available for emergency ballast use. The unswitched lead must be fed from the same branch circuit as the switched lead.
3. To make electrical connections, remove lens and connect the following:
 - Switched incoming ("HOT") lead to red lead
 - Unswitched incoming ("HOT") lead to black lead
 - Incoming neutral ("COMMON") to white lead
 - Ground to green leadJoin inverter connection (red and white leads with integral plug/receptacle) of emergency ballast after connecting incoming leads. Replace reflector and install appropriate lamps. Close and latch lens frame.
4. Charge unit 24 hours before use.

OPERATION OF EMERGENCY BALLAST

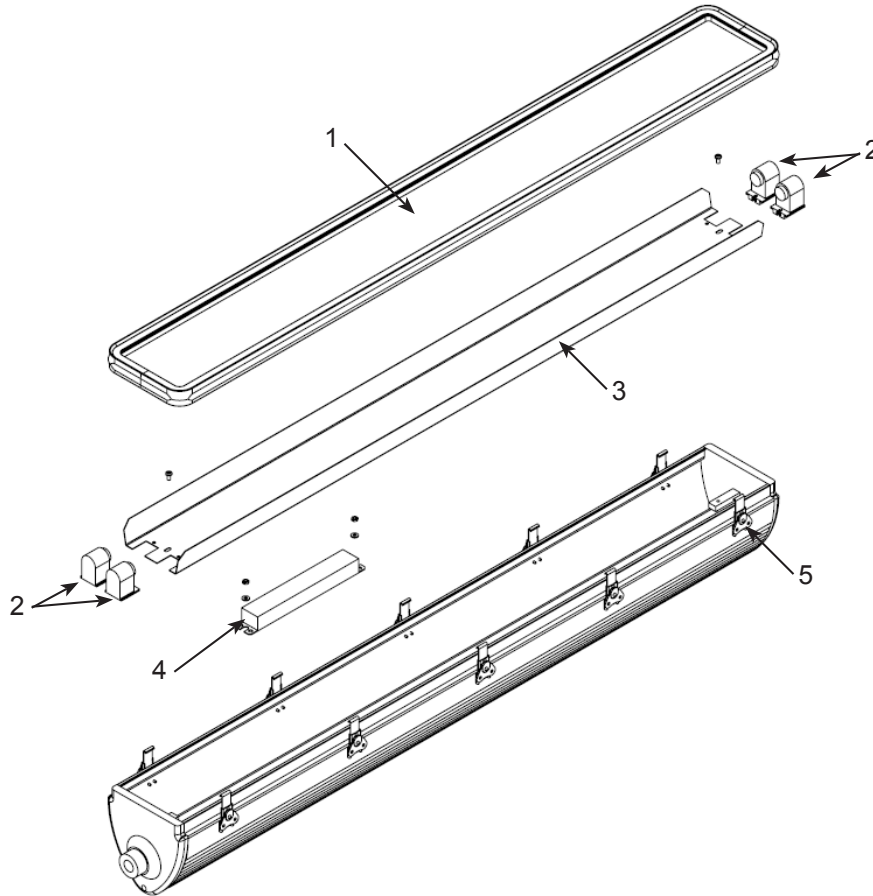
When A/C power is applied, the charging indicator light is illuminated, indicating that the battery is being charged. When power fails, the emergency ballast automatically switches to emergency power (internal battery). The fixture will then operate one lamp at reduced illumination for at least 90 minutes.

Spot test of 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.

Fixtures with Emergency Ballast



REPAIR PARTS



Item Number	Description	Part Number	
		2 Foot	4 Foot
1	Lens Assembly including Lens, Frame and Gasket	1038131	1038136
2	Lamp Holders (4 per fixture)	Contact Factory	
3	Reflector	2030361	2030371
4	Ballast	Contact Factory	
5	Lens Assembly Latch	7203902	

One Year Product Warranty — (Limited Type)

Phoenix Products Company Inc. warrants its products against defects in material and workmanship. At the company's discretion and without charge, Phoenix will either repair or replace any properly installed Phoenix manufactured product which fails under normal operating conditions within one year from the date of invoice, provided it is returned to the factory (after authorization), transportation prepaid and our inspection determines it to be defective under terms of this warranty.

The warranty covers only equipment manufactured by Phoenix and does not extend to transportation, installation, or replacement charges at buyer's facility; nor does it apply to any other equipment of another manufacturer used in conjunction with Phoenix equipment. No other warranty, expressed or implied, exists beyond that included in this statement.

Phoenix has taken reasonable steps to ensure that the information contained herein is accurate. While we believe the information is accurate, no warranty is made or implied. Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website, www.phoenixlighting.com.