

! 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.
- To reduce the risk of fire or explosion, do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmosphere. Refer to label on unit's reflector for temperature codes.
- To prevent the ignition of explosive atmospheres, determine that the area is not hazardous before operating the test switch.
- To prevent the ignition of hazardous atmospheres, disconnect fixture from supply circuit before opening. Keep tightly closed when in operation.

Wiring

Must use electrical fittings and conductors appropriate for the application and in compliance with accepted codes. The green conductor is grounded to the fixture and must be connected to physical earth.

Note: Use minimum 90°C supply wire.

Do not connect green (physical earth) wire to power source.



1. Remove lens by releasing latches that secure the lens. The lens will suspend by the tethers inside the fixture.



CAUTION: This Unit Has More Than One Power Supply Connection Point. To Reduce The Risk Of Electric Shock, Disconnect Both The Branch Circuit-Breakers Or Fuses And

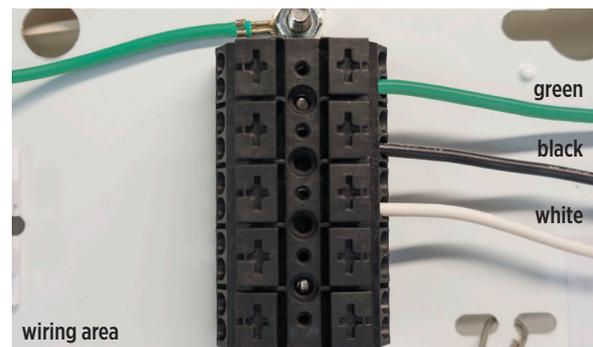


CAUTION: This Unit Has More Than One Power Supply Connection Point. To Reduce The Risk Of Electric Shock, Disconnect Both The Branch Circuit-Breakers Or Fuses And

2. Twist wing nuts ¼ turn counterclockwise to release the ballast tray from the housing.

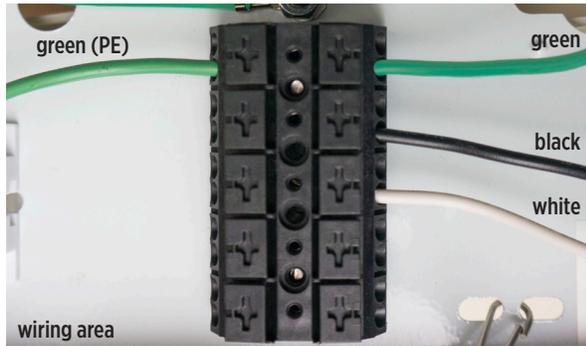


3. Electrical voltages and frequency are listed on the ballast tray for reference.

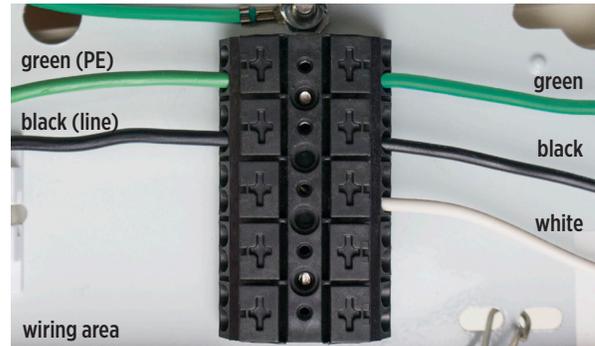


4. Connect power supply leads to terminal block (if supplied) or directly to the black and white ballast box.

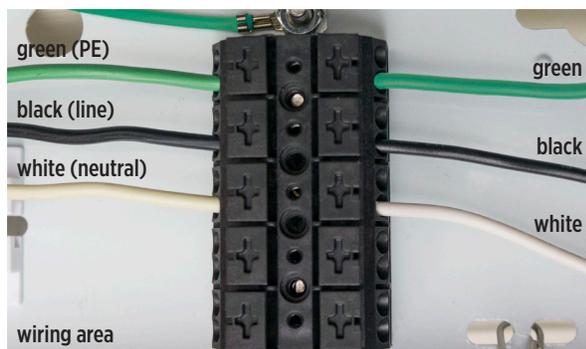




5. Connect green (PE) power supply lead opposite green lead.



6. Connect black (line) power supply lead opposite black lead.



7. Connect white (neutral) power supply lead opposite white lead.

Mounting

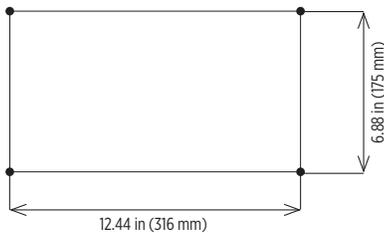
Fasten fixture with four (4) 3/8 inch (10 mm) diameter screws through holes provided in the mounting feet on the main housing.

Note: In applications where vibration is present, do not mount fixtures on surfaces that are unsupported or are subject to flexing.

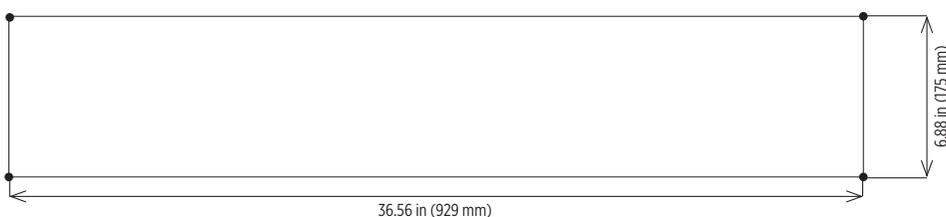
Fixtures are not designed to be used in an upright position.

Mounting Hole Location

2 foot fixture



4 foot fixture



Lamping

Lamping is accomplished without the need for any hand tools. To access the lamp compartment, loosen the diffuser and allow it to hang freely by its tethers. When re-lamping, it is recommended that the diffuser and ballast cover be cleaned to maintain fixture photometric efficiency.

Recommended Lamp Use

Model No.	Lamp Type
LFSD217	F17T8
LFSD232	F32T8
LFSD254	F54T5HO

Emergency Battery Backup Installation

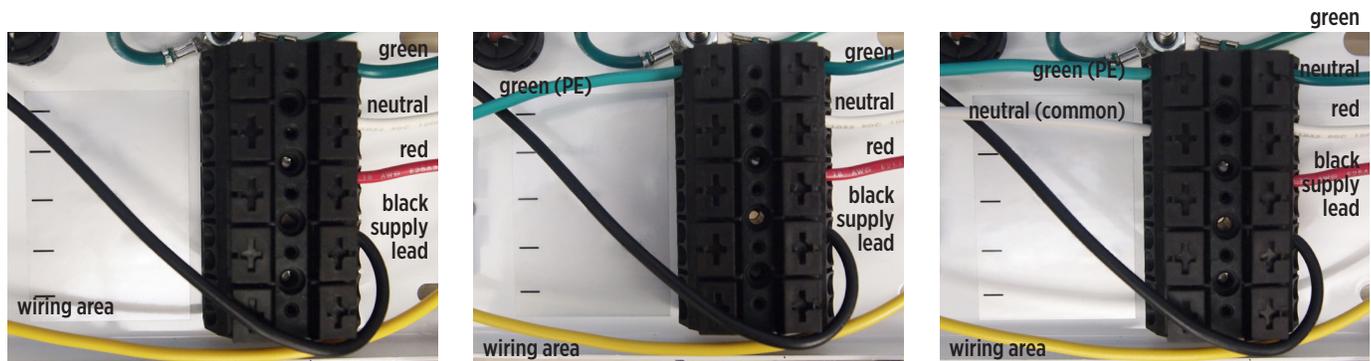
! CAUTION

- 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 ballast.
- To reduce risk of shock, disconnect both normal and emergency power supplies and inverter connector of the emergency ballast before servicing.
- Do not attempt to service battery inside emergency ballast.

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

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.

To make electrical connections, remove lens and connect the following:

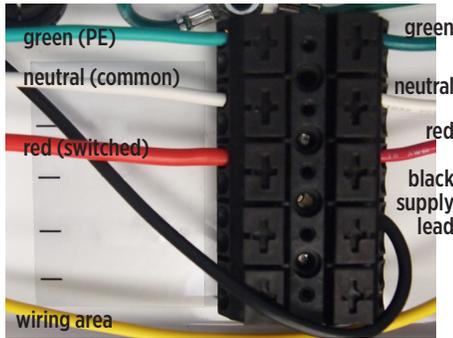


1. Connect power supply leads to terminal block (if supplied) or directly to the black and white ballast box.

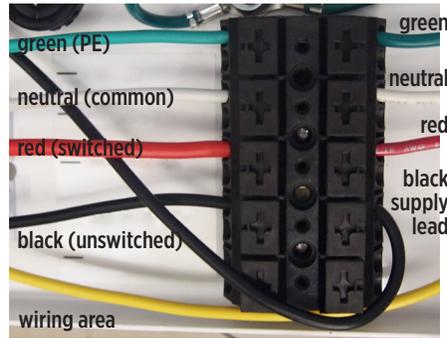
2. Connect green (PE) power supply lead opposite green lead.

3. Connect white neutral (common) power supply lead opposite neutral lead.

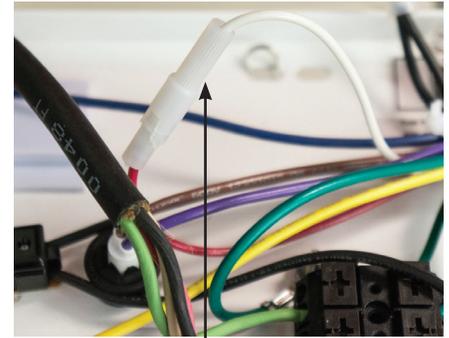




4. Connect switched incoming (hot) lead to red lead.



5. Connect unswitched incoming (hot) lead to black lead.



6. 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.
7. Charge unit for 24 hours before use.

Operation of Emergency Ballast



When AC power is applied, the charging indicator light will illuminate, indicating that the battery is being charged.

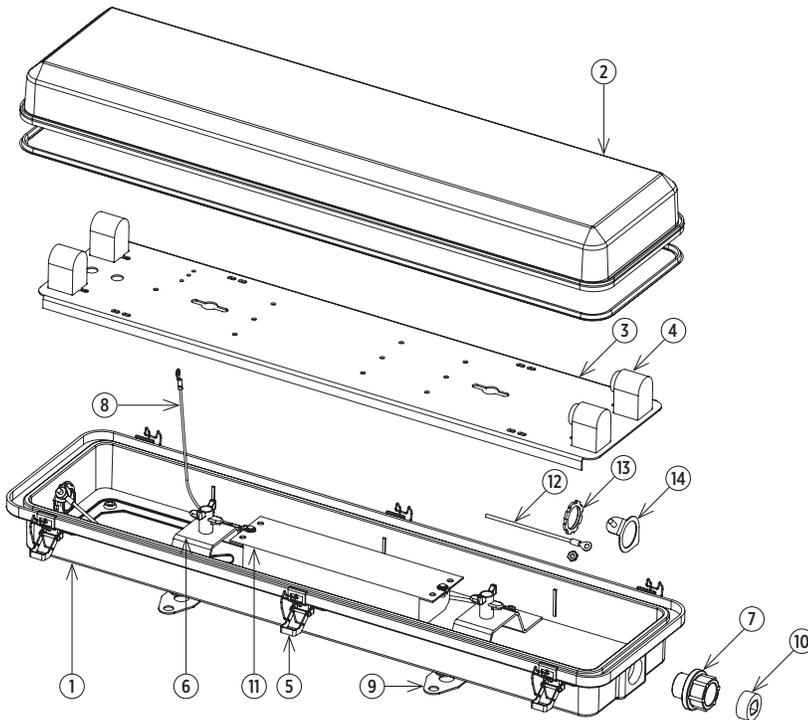
When power fails, the emergency ballast automatically switches to emergency power (internal battery). The fixture will then operate one lamp at reduced illumination for at least 90 minutes.

A spot test of 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.





Repair Parts

Item	Qty	Description	Part Number	
			Two Foot Units	Four Foot Units
1	1	housing assembly	1650315	1650465
2	1	diffuser with gasket	1650320	1650420
3	1	ballast plate	contact factory	
4	4	lamp holders	contact factory	
5	6-10	latch assembly	1650311	
6	2	ballast tray fastener assembly	1650312	
7	2	conduit hub	4025423	
8	4	lanyard	1650314	
9	2	mounting feet	1650313	
10	1	threaded plug	4025422	
11	1	ballast	contact factory	
12	2	ground wire	4121800	
13	2	conduit nut	4024100	
14	2	ground bracket	2705880	

Product design and specifications are subject to change without notice.

