

**! 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.

**Mounting**

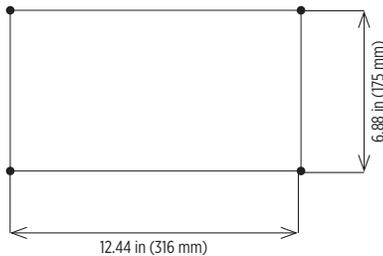
Fasten fixture with four (4) 3/8 inch (10 mm) diameter screws through holes provided in the mounting feet on the main housing.

In applications where vibration is present, do not mount fixture on surface that is unsupported or is subject to flexing.

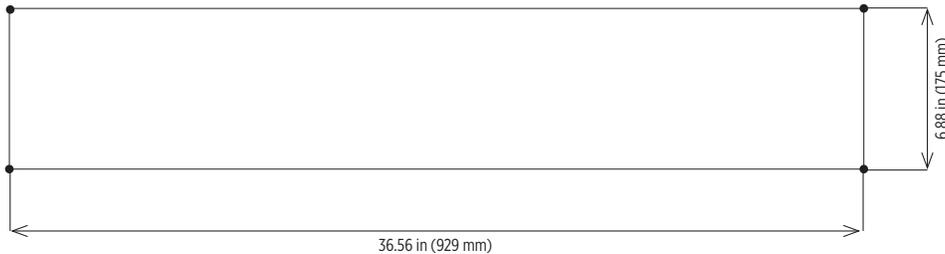
The fixture is not designed to be used in upright positions.

**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's photometric efficiency.

**Recommended Use**

Fixture	Lamp Type
LFSB*17	F17T8/CW
LFSB*32	F32T8/CW

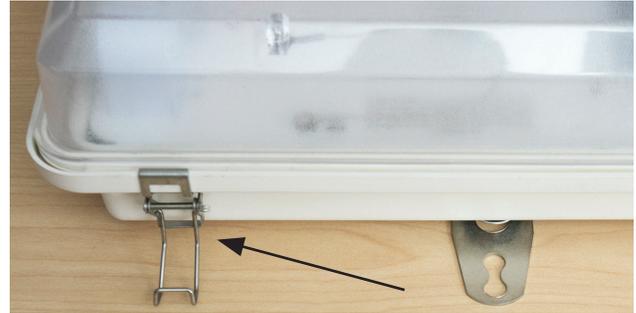
\* number of lamps



### Wiring

Electrical fittings and conducts appropriate for the application and in compliance with accepted codes must be used. The green conductor is grounded to the fixture and must be connected to a positive ground.

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



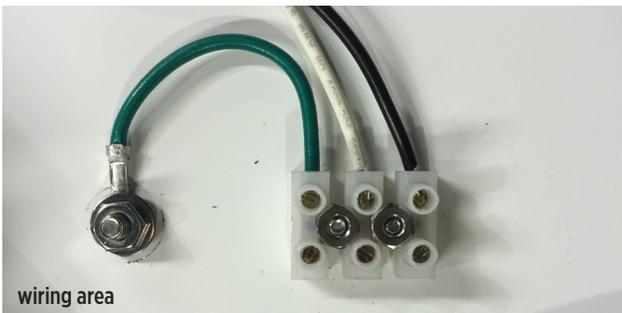
1. Remove lens by releasing latches that secure the lens. The lens will suspend by the tethers inside the fixture.



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.



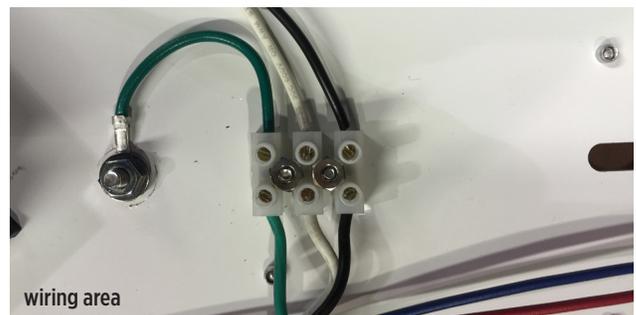
4. Connect power supply leads to terminal block (if supplied) or directly to the black and white ballast box.



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



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



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

## **! 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 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 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
4. Join inverter connection (red and white leads with integral plug/receptacle) of emergency ballast after connecting incoming leads. Install appropriate lamps.
5. Close and latch lens frame.
6. Charge unit for 24 hours before use.

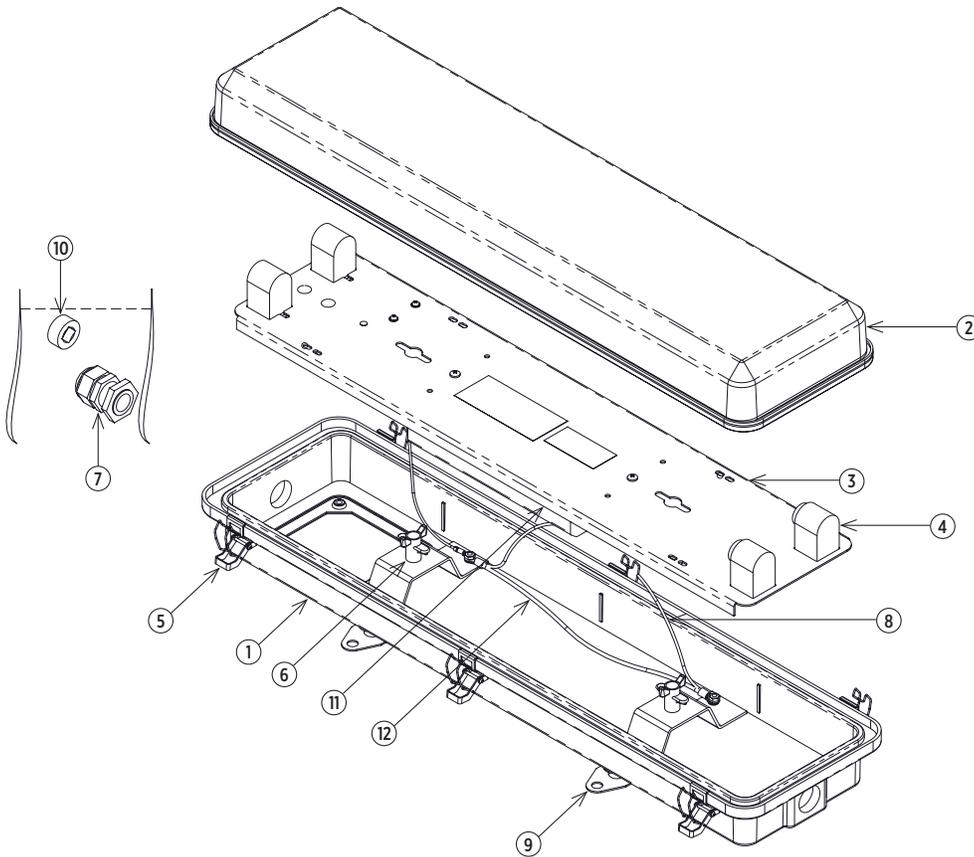
## **Operation of Emergency Ballast**

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 with 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.



### Repair Parts



Item	Quantity	Description	Part Number	
			2 Foot Units	4 Foot Units
1	1	housing assembly (without gasket)	1650476	1650465
	1	housing assembly (with gasket)	1650495	1650510
2	1	diffuser assembly (with gasket)	1650323	1650423
	1	diffuser assembly (without gasket)	1650320	1650420
3	1	ballast tray	contact factory	
4		lamp holders	contact factory	
5	6	latch assembly	1650311	-
	10		-	1650311
6	2	ballast tray fastener assembly	1650312	
7	1	cord grip	4030700	
8	4	lanyard	1650314	
9	2	mounting feet	1650313	
10	1	threaded plug	4025422	
11	1	ballast	contact factory	

Product design and specifications are subject to change without notice.