

FEM-T Tubular Emergency Battery Pack

FEM-T Tubular Emergency Battery Packs are designed for use with FRHBV & FRHB fixtures as well as other LED applications requiring instantaneous emergency power driving LED fixtures up to 300W. These energy-efficient backups are available in three output levels (15W, 25W, and 40W) and offer features including energy-efficient operation, exceptionally reliable self-testing circuitry, and onboard protection from overheating. Attached to each end of the housing is a steel loop for easy in-line mounting.

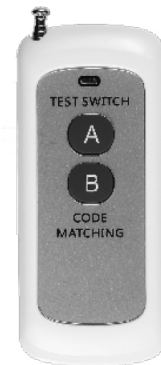
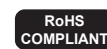
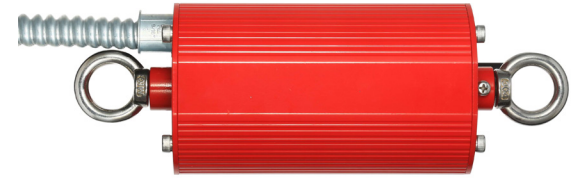
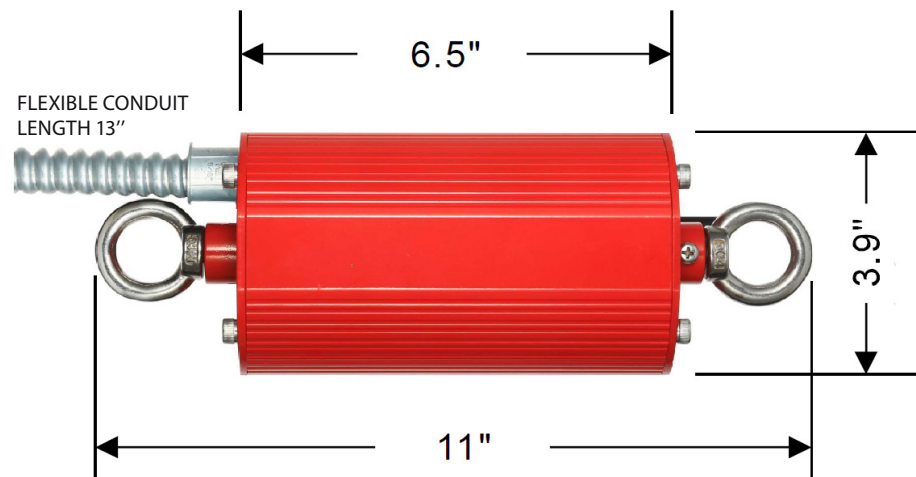
Features

- Field installed
- UL 924 Listed for US and Canada
- CSA C22.2 NO.141
- CEC Title 20
- Easy in-line mounting
- Energy-efficient operation
- Reliable constant power output
- Self-test circuitry
- Overheating protection
- Remote option (FEM-T-R; 100 foot range)
- For use only with 0-10V dimming drivers
- 5-Year Warranty

Specifications

- Input Voltage: 100-347VAC, 50/60Hz
- Input Current: 200mA max
- Input Power Rating: 10W
- Output Voltage: 170VDC
- Output Power : 15W/25W/40W
- Recharge Time: 24 Hrs
- Discharge Time: 1.5H
- Battery: Ni-MH or Li-ion
- Ambient temperature operation: +41°F to +122°F (+5°C to +50°C)
- Weight: 7.3 lbs (3.3 kg)

Dimensions



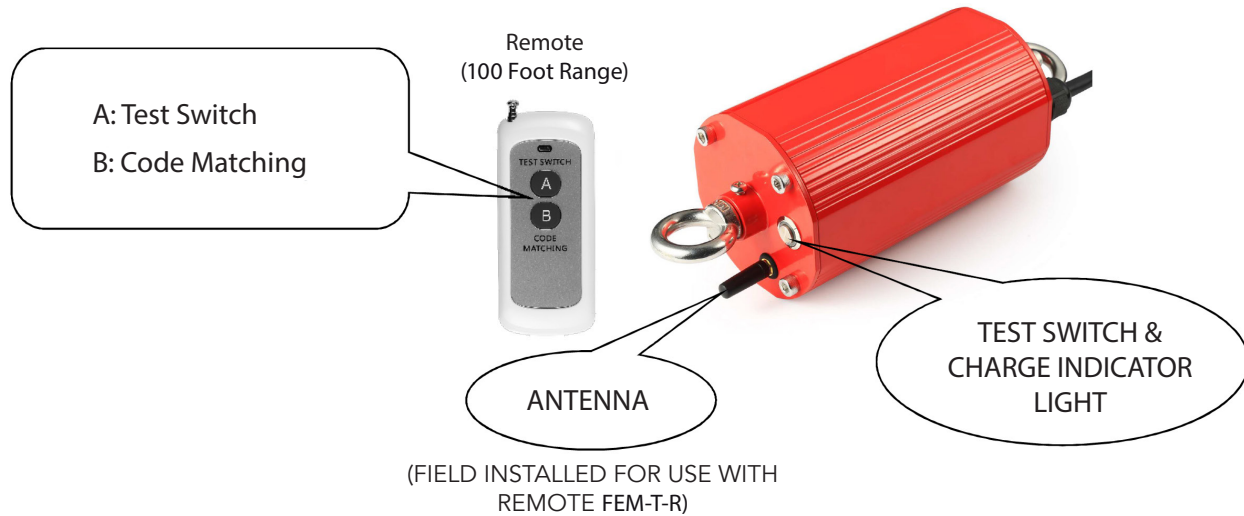
FEM-T-R Remote

Model Number	Emergency Power
FEM-T15	15W
FEM-T25	25W
FEM-T40	40W
Description	
FEM-T-R	Remote

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Self-Test Circuitry

The FEM-T contains a control/monitor circuit that will perform a 30-second discharge test once a month, and a full discharge test once a year. The self-test simulates an AC power failure, and automatically switches to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency power duration. If any issues are detected, the charge indicator will flash rapidly.



Indicator Light Normal Operation

- Normal AC Operation: Indicator light solid
- Emergency Operation: Indicator light flashes slowly (on for 2 seconds, off for 2 seconds)
- Failure: indicator light flashes quickly (on for 0.2 seconds, off for 0.2 seconds)

Test Procedure

- In AC operation, press the test switch or the A button on the Remote once to test emergency operation for 30 seconds.
- In AC operation, press the test switch or the A button on the Remote twice within 2 seconds for emergency operation until the battery is fully discharged.
- During emergency operation, press the test switch once or the A button on the Remote to discontinue emergency operation and shut the fixture down. The indicator light will go out.

Code Matching

- **NOTE:** FEM-T units which are not being paired or added to a remote **must be disconnected from AC Power** and reconnected before pairing.
- Code Matching (achieved using Button B on the remote) is necessary for pairing one or more FEM-T Battery Packs to the FEM-T-R remote(s). This procedure is done by ensuring the FEM-T units are powered and within reception distance of the Remote (100 feet), clearing/resetting codes, and then pairing the powered Remote with the FEM-T units.
- Please refer to the FEM-T installation instructions for the full pairing procedure.

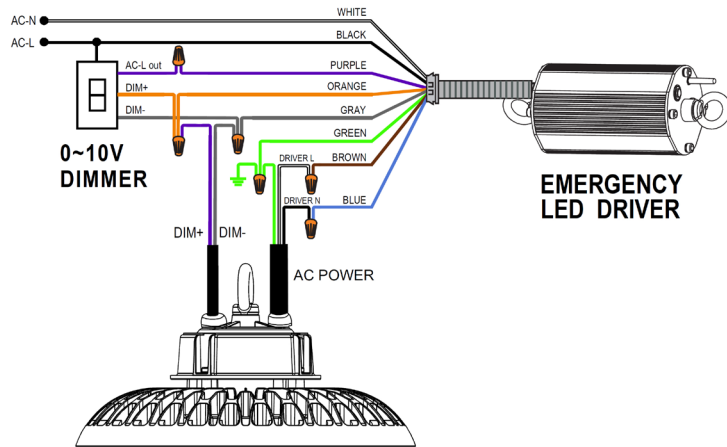
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Wiring Diagram

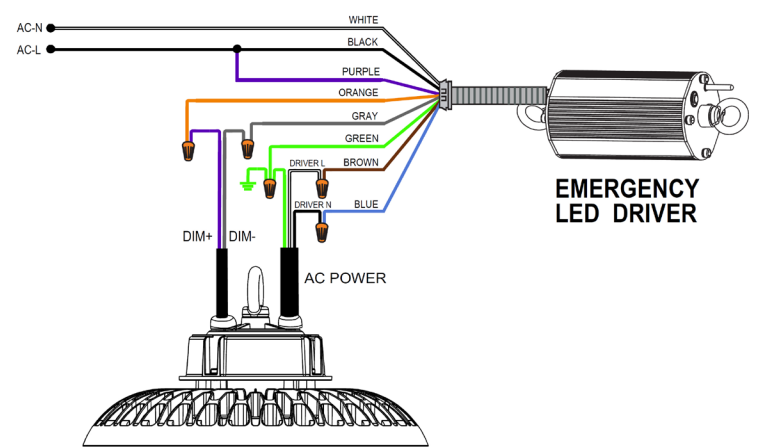
WARNING

- When attached to power, do not touch or remove any wires.
- During emergency operation, before touching or disconnecting wires, press the test button to ensure the led lamp and indicator light are off.
- The voltage input to the dimming wires (DIM+, DIM-) must be less than 20VDC.
- The FEM-T15 and FEM-T25 are for use with fixtures up to 150W.
- The FEM-T40 is for use with fixtures from 150W to 300W.
- This product only for use with fixtures with 0-10V dimming drivers.

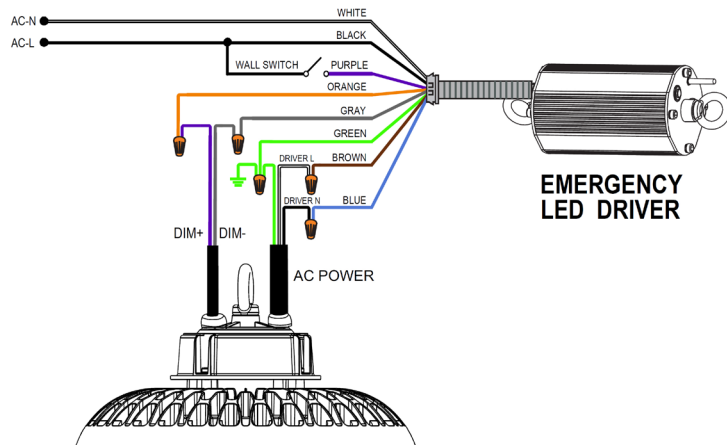
A) With 0-10V Dimmer



C) Without Dimmer or Switch



B) With A/C Switch Only



D) With Sensor Only

Consult factory if not supplied by Fidelux

