



LOC-EMDR-16WLI-170SD Installation Guide

SAFETY INSTRUCTIONS: Read instructions carefully before attempting to install fixture.

- All wiring should be performed by a qualified electrician.
- Disconnect power before installing or servicing. This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.
- Proper grounding is required to ensure personal safety.
- AC power must be off before proceeding with assembly or installation of emergency driver.

CAUTION:

- **WARNING:** Do NOT use outdoors.
- **WARNING:** Do NOT mount near gas or electric heaters.
- **WARNING:** Equipment should be mounted in locations and at heights where it will NOT be subjected to tampering by unauthorized personnel.
- **WARNING:** The use of accessory equipment is not recommended by the manufacturer as it may cause an unsafe condition.
- **WARNING:** Do NOT use this equipment for other than its intended use.
- **WARNING:** The equipment is intended for ordinary locations and for permanent installation into one or more listed emergency luminaires.
- **CAUTION:** Please charge the battery consistently for >24 hours for the first time usage to activate the whole battery cells of discharging/charging duration.
- **CAUTION:** The products are produced with built-in batteries, which could be stocked for one year at most without being used. If kept for more than 1 year, the batteries may be damaged. This is not covered by warranty.

Test Switch:

- Emergency conversion kit will go into emergency mode if the test switch is pressed when the main supply is on. It will go into charging mode if the test switch is not pressed.
- In emergency mode, press the test switch for 3 seconds to turn off the current emergency state.

LED Indicator:

- Red Stable: charging mode or charging full
- Red Off: main power is off or in discharging mode

Initial Functional Self-Check

Emergency pack will make an initial functional self-test automatically and the red light will blink a slow flash.

Checking points as below:

- Compatibility with lamp
- Lamp starting current
- Lamp starting time
- Dimming starting voltage
- Dimming slope

After passing the test, the emergency pack goes back to operate normally, and red light is stable.

It will never start this test again afterward unless it goes into rest mode or the battery is disconnected.

Rest Mode

Rest mode can ensure battery long term storage, leakage current is very low in rest mode

- Press and hold the test switch for over 3 seconds in the emergency mode to enter rest mode. In rest mode, the battery is completely disconnected from the inverter and the small leakage current can make its storage time longer.

Cancel Faulty Mode

- End discharge
- Disconnect battery in emergency mode
- Press test button over 3 seconds in emergency mode

Indicator Light	Status	Comment
Red Stable	Charging Mode, Fully Charged	AC mode, unit is operating correctly
Flashing 2 times, Light off 2s, loop	Battery Error	Battery disconnected or failed 90mins duration test due to insufficient capacity
Flashing 3 times, Light off 2s, loop	Charging Error	Ensure input wiring is correct and verify input voltage & frequency are correct and stable
Flashing 5 times, Light off 2s, loop	Temp Error	Overtemperature
Continuous Flashing	LED Load Abnormal	Matching test fail, self-check output abnormality

