

## LED LOC-EMDR Emergency Driver Series

### FEATURES

- Listed to UL924
- Test to CSA C22.2 NO. 141 Field or factory installation
- High output voltage
- Low energy consumption CEC compliance
- Constant output power
- Self-testing
- Battery: Li-ion
- Battery: over temperature protection
- Surge protection: Line-neutral 3KV
- Ambient Temp: Li-ion: 0°-50°C (32°F-122°F)
- 5-year limited warranty



### SELF-TESTING

- The emergency LED driver contains a control/monitor circuit which will perform a 30-second discharge test once a month and a full 90-minute discharge test once a year. At this time, the unit will simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage and emergency duration. If the unit detects any problems, the indicator will flash quickly.

### CAUTION

- Before doing a high-voltage insulation test, you must remove the battery pack first and make sure there is **not** any contact between the battery pack and the LED drivers.
- After installation and testing, disconnect the unit connector of the battery pack first before shipping and storing.
- During storage, the battery pack will need 24 hours charge every 3 months.

### FUNCTION

- AC operation, indicator light will keep on.
- Emergency operation, indicator light will flash slowly (light on for 2 seconds, light off for 2 seconds).
- In a failure, indicator light will flash quickly (light on for 0.2 seconds, light off for 0.2 seconds).

### TEST SWITCH

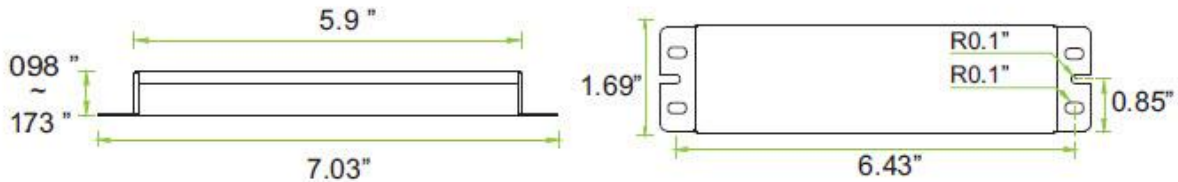
- In AC operation, press the test switch once to run the emergency power for 30 seconds.
- In AC operation, press the test twice within 3 seconds to make the battery full discharge.
- In emergency operation, press the test switch once. This will turn off both the emergency as well as the lamp and indicator light at the same time.

MODEL NUMBER	INPUT VOLTAGE	INPUT CURRENT	INPUT POWER RATING	OUTPUT VOLTAGE	EMERGENCY POWER	RECHARGE TIME	DISCHARGE TIME
LOC-EMDR-15W-050	100-277Vac/347Vac, 50/60Hz	100mA max.	7W max.	25V-50Vdc	15W max.	24Hrs.	>1.5H

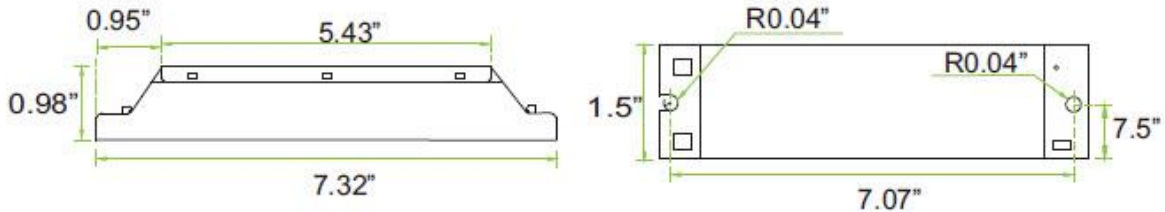
<b>Series</b>	<b>Type</b>	<b>Wattage</b>
LOC-EMDR	Emergency Driver	15W

## MEASUREMENTS

Battery (Tolerance=±0.02")



Driver



MODEL	QUANTITY	WEIGHT	UPC CODE
LOC-EMDR-15W-050	1	0.95lbs	00815586029884

## OPERATING MODE

- **AC Operation:**
  - When AC power supplies to the AC driver, the AC driver will operate the LED load as designed. Charging status will be kept and the indicator light will stay on. When you press the test button, it will change into emergency status at a reduced lumen output for 30 seconds. During this time, the indicator will flash slowly (light on for 2 seconds and off for 2 seconds). It will return to charging or standby status (AC operation) 30 seconds later.
- **Emergency Operation:**
  - When AC power fails, emergency mode is automatically switched on to keep the LED load illuminated at a reduce lumen output for a minimum of 90 minutes. During this time, the indicator will flash slowly (light on for 2 seconds and off for 2 seconds). After the AC power is restored, it will return to charging or standby status and the indicator light will stay lit.