

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

## 15W/20W/25W EM BATTERY BACKUP FOR PANELS & TROFFERS



The **15W/20W/25W EM Battery Backup For Panels & Troffers** are ideal emergency LED drivers for gridded ceiling luminaires. It provides high voltage output up to 175VDC, constant power emergency output, and self-test capability. The units accept input voltage between 100 – 347VAC, are available in 15W, 20W, and 25W models, and come UL listed. With emergency operation greater than 90 minutes, these EM backup drivers ensures code compliance. Each unit comes with a 17.7" conduit, and a Lithium-ion battery, with 24 hour charging time.

### FEATURES

- UL listed
- 175VDC high voltage output
- Constant power emergency output
- Self-test capability
- 0/1-10V dimming compatible

### APPLICATIONS

- Offices
- Hospitality
- Schools
- Retail
- Other commercial spaces using LED panels & troffers



# 15W/20W/25W EM BATTERY BACKUP FOR PANELS & TROFFERS

## ORDERING INFORMATION

MODEL #	OUTPUT POWER	INPUT VOLTAGE	OUTPUT VOLTAGE	EMERGENCY OPERATION DURATION	MINIMUM ORDER QTY	US STOCK
ECO-LSED15W	15W	100-347VAC	≤ 175VDC	≤ 90 minutes	2	Yes
ECO-LSED20W	20W	100-347VAC	≤ 175VDC	≤ 90 minutes	2	Yes
ECO-LSED25W	25W	100-347VAC	≤ 175VDC	≤ 90 minutes	2	Yes

## TECHNICAL SPECIFICATIONS

Input Voltage	100-347VAC
Input Power Frequency	50-60 Hz
Input Current	≤ 100mA
Input Power	8W max
Output Power	15W/20W/25W
Output Voltage	≤ 175VDC
Applications	≤150W (0/1-10V dimmable fixture) or ≤25W LED lamps without dimming function
Emergency Operation	≥90 minutes
Charging Time	≥24 hours
Conduit Length	17.7" (450mm)
Battery	Li-ion battery
Dimensions	12.9" x 2.0" x 0.9" (328x50x24mm)
Operating Temperature	32° to 122°F (0° to 50°C)
Certifications	UL, FCC, RoHS
Warranty	10 years or 50,000 hour non-prorated

\*Data is based upon tests performed in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

\*IES files provided on request.

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## CONTROLS

Control Options: Compatible with 0/1-10V Dimmable Fixtures <150W or <25W LED lamps without dimming function.

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## DIMENSIONS

12.9" x 2.0" x 0.9" (328x50x24mm)

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## WARNINGS



### IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following

**PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**

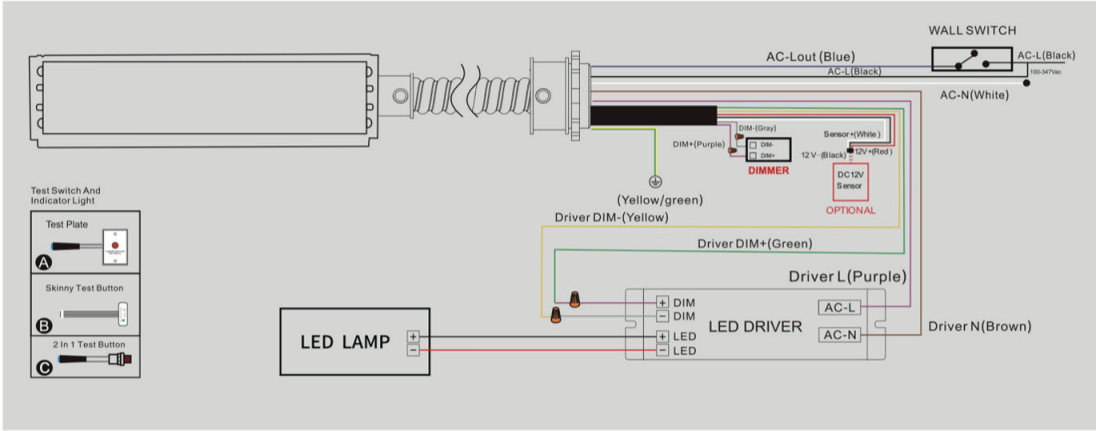
- IMPORTANT: Before installing, make certain the AC Power to the fixture is off to avoid electric shock.
- IMPORTANT: Do not connect battery connector until all wires are completely installed and before the AC power to the fixture is back on.
- IMPORTANT: An un-switched AC power source of 100VAC to 347VAC is required. This device is designed for use in fixtures listed for dry and damp locations.
- IMPORTANT: Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- IMPORTANT: It is recommended to charge the battery within half a year to prevent over discharge
- CAUTION: Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
- CAUTION: Do not let power supply cords touch hot surfaces.
- CAUTION: Do not mount near gas or electric heaters

## WIRING DIAGRAMS

### Wiring 1: For LED Driver With Input Power Higher Than Emergency Output Power

0/1-10V Dimmable LED Driver + Dimmer Switch

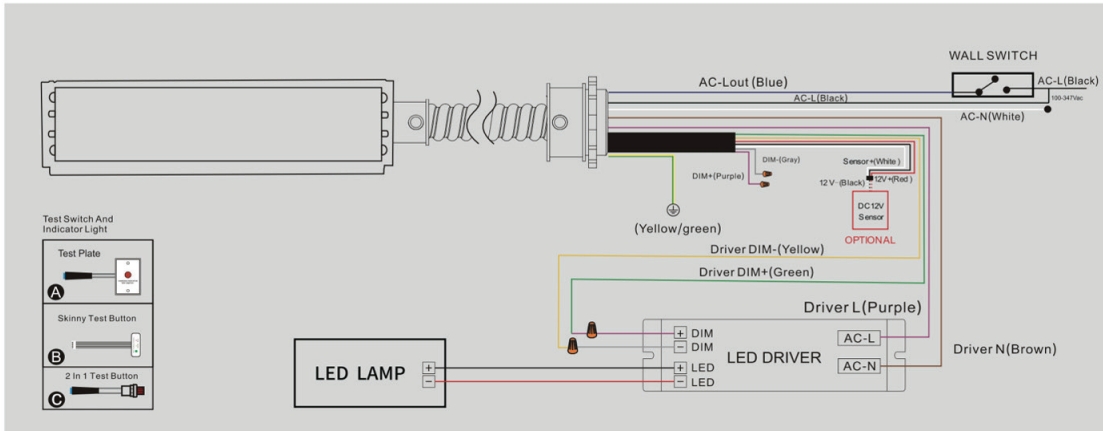
Emergency Driver Dim+(Green), Driver Dim-(Yellow) Have to connect with LED driver DIM+ and DIM-



### Wiring 2: For LED Driver With Input Power Higher Than Emergency Output Power

0/1-10V Dimmable LED Driver + Wall Switch

Emergency Driver Dim+(Green), Driver Dim-(Yellow) Have to connect with LED driver DIM+ and DIM-



### Wiring 3: For LED Driver With Input Power Less Than Emergency Output Power

NON Dimmable LED Driver

