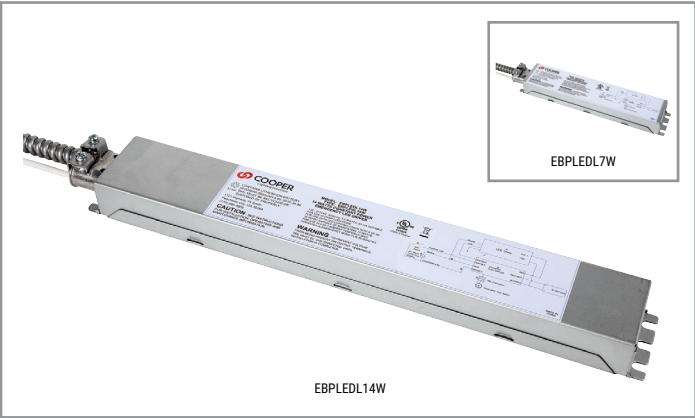


Project		Catalog #		Type	
Prepared by		Notes		Date	



# Sure-Lites

## EBPLEDL Emergency Battery Packs

Field installable LED emergency battery pack with 90 minutes of run time  
7 watts or 14 watts of output

**Typical Applications**  
Office • Education • Healthcare • Hospitality • Retail • Residential

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  - Product Warranty

**Product Certification**

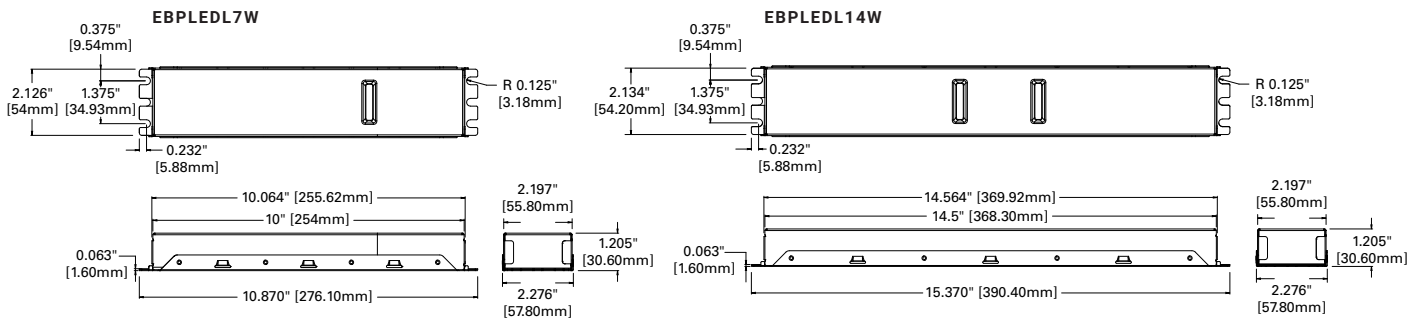
**T20** Certified to California Title 20 Appliance Database

**Product Features**



- Top Product Features**
- UL 924 Listed for Field and Factory Installation
  - Provides 90 minutes of emergency power to LED luminaires
  - Class 2 Output
  - 7 and 14 watt options provide 600 to 1800 lumens output in emergency mode
  - Universal 120VAC~277VAC input input voltage
  - Automatic output voltage sensor compatible with a wide range of fixtures
  - Long-life, maintenance free LiFePO<sub>4</sub> battery
  - IP65 rated test button
  - Electronic battery disconnect prevents unwanted battery discharge during shipping and installation
  - 5-year limited warranty

### Dimensional and Mounting Details: EBPLEDL7W, EBPLEDL14W



## Order Information

SAMPLE ORDER NUMBER: **EBPLEDL7W**

Series	Battery Type	Output	Run Time
EBPLED=LED Emergency Battery Pack	L=LiFePO <sub>4</sub>	<b>7W</b> =7 Watt	__=90 minute
		<b>14W</b> =14 Watt	__=90 minute

## Shipping Data

Catalog Number	Description	UPC	Case Count	Pallet Quantity
EBPLEDL7W	Sure-Lites Constant Power LED Emergency Battery Pack, 7 Watts, LiFePO <sub>4</sub>	080083289844	8	240
EBPLEDL14W	Sure-Lites Constant Power LED Emergency Battery Pack, 14 Watts, LiFePO <sub>4</sub>	080083289868	6	288
EBPLEDL TB	EBPELD Series Replacement Test Button	080083300877	1	N/A

## Product Specifications

### Electronic

- Universal 120VAC~277VAC 50/60Hz input
- Compatible with LED fixtures
- Constant power output provides illumination to fixture for 90 minutes
- Class 2 output, auto adjusts to the following voltage ranges ensuring compatibility with a wide range LED fixtures:
  - EBPLEDL7W = 8V to 55V
  - EBPLEDL14W = 16V to 55V
- Constant power output:
  - EBPLEDL7W = 7 watts
  - EBPLEDL14W = 14 watts
- Low-voltage disconnect protects battery life
- Electronic battery disconnect to prevent unwanted cycling during the construction phase
- 0°C to 55°C operation

### Construction

- Steel housing
  - EBPLEDL7W = 10.06 inches
  - EBPLEDL14W = 14.56 inches
- Test button indicator light rated for IP65 protection against dust and water protection
- Plenum rated test button cable
- Lead wires and 24" flexible metallic conduit provided

### Battery

- Sealed LiFePO<sub>4</sub> battery
- Maintenance-free, Long-life
- Full Recharge Time, 24 hours (max.)
- Provides 90 minutes of emergency power

### Warranty

- Five-year limited warranty

### Code Compliance

- UL 924 Classified
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- California Energy Code

### Test Button

- The test button/light indicator is shipped disconnected from the emergency battery pack to prevent battery discharge during storage and installation.
 

**Note:** Once the test button is connected and A/C power is turned on, disconnecting the test button will no longer prevent the battery from discharging in Emergency Mode when A/C power is lost.
- When the test button is connected, the emergency battery pack will function as intended, providing 90 minutes of emergency power when A/C power is lost.

- If the room is decommissioned for an extended period of time and there is a need to disconnect the battery, press and hold the test button for 5 seconds or until the battery stops discharging while the emergency battery pack is in Emergency Mode. This will prevent the battery from discharging in Emergency Mode. The battery will automatically re-engage once AC power is restored.
- The red indicator light provides visual assurance the emergency battery pack is operational and connected to A/C power.

### Uses

- Suitable for use in plenum, damp locations, recessed type IC and enclosed and gasketed LED luminaires

## How To Specify

Sure-Lites UL 924 compliant LED emergency battery pack with automatic voltage sensing, constant wattage output, external battery disconnect, and LiFePO<sub>4</sub> battery.

## Description

When AC power fails, the Sure-Lites Emergency Battery Pack LED (EBP) automatically switches to emergency mode. The EBP maintains illumination of an LED fixture for a minimum of 90 minutes. The product line is UL924 classified for field retrofit installation and has guaranteed compatibility with Cooper Lighting Solutions LED fixtures with accessible LED drivers. The constant power feature ensures consistent light output of the fixture for 90 minutes minimum.

## Technical Data

### Universal Voltage Charger

Unit is supplied with a constant current, switch mode charging circuit which automatically detects the voltage level of the AC input (120V through 277V) and adjusts accordingly. This simplifies and mistake proof's the wiring.

### Automatic Switching

The switching circuitry is designed to detect an absence of AC power and automatically switch into emergency operation. Upon restoration of AC power the lamps will automatically switch back to operating from the AC ballast.

### Automatic detection of LED load forward voltage

Unit detects the LED forward voltage required (from 8V to 55V for 7W unit, 16V to 55V for 14W unit) and adjusts output current to provide constant wattage to the fixture, ensuring compatibility with a wide range of LED fixtures.

### Constant Wattage Output

Unit provides constant power which ensures a consistent illumination while in emergency mode. Fixture lumen output is easily calculated by multiplying the unit wattage by the fixture efficacy (ie lumens/watt) from DLC data.

[www.designlights.org](http://www.designlights.org)

Example:

- EBPLED = 14W
- DLC EFF = 100 lumens/watt
- EM Lumens = 14W x 100 lumens/watt = 1400 lumens

### Battery Disconnect

Prevents the battery from cycling during the construction phase and ensures a full battery charge for C.O. inspection.

### Battery

High temperature LiFePO<sub>4</sub> battery pack is standard.

### Warranty

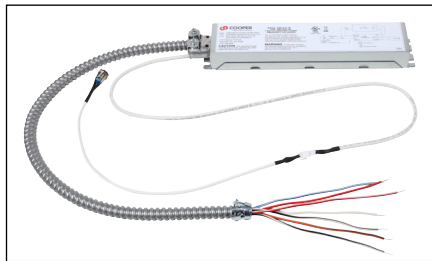
All Sure-Lites EBP products are backed by a limited five-year warranty against defects in material and workmanship.

### Test Button/Indicator Light

Simulates interruption of AC power and illuminates LED fixture. LED charge indicator light indicates battery charger operation.



Test Button



Test Button Cord +  
Emergency Battery Pack

## Wiring Diagram

