

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Sure-Lites

### EBPLEDSD Series

LED Emergency battery pack  
7.5 or 10 watts of class 2 power  
Self-diagnostics  
Factory or field installed

#### Typical Applications

Office • Education • Healthcare • Hospitality • Industrial

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#### Product Certification

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

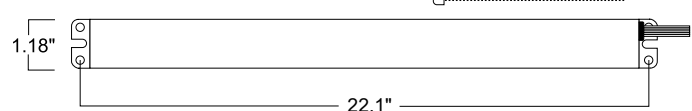
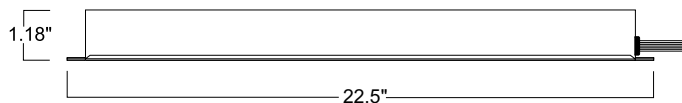


#### Top Product Features

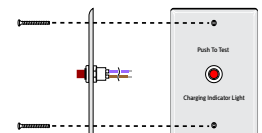
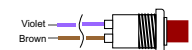
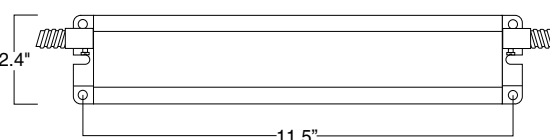
- Converts standard LED fixtures to emergency fixtures with 90 minutes of run time
- Provides up to 975 (7 watt) or 1300 lumens (10 watt) of illumination during a power outage
- UL1310 and CSA 22.2 listed for both factory or field installation
- Self-diagnostics capability eliminates labor intensive NFPA required monthly testing
- Compatible with LED products with 15 to 50 VDC operation

#### Dimensional Details

EBPLEDLP-10WSD



EBPLEDLP-7.5WSD



## Order Information

SAMPLE ORDER NUMBER: **EBPLEDLP-10WSD**

Series	Wattage	Self-Diagnostics
EBPLED- = Emergency LED Driver	7.5W = 7.5 Watts LP10W = 10 Watts	SD = Self-Diagnosing

## Product Specifications

### UL Listed for US and Canada

Listed to UL924 and tested to CSA 22.2 No. 141  
Field or Factory Installation (Indoor and Damp)  
Output Class 2 Compliant

### Illumination Time

Minimum 90 Minutes

### Initial Light Output

975 lumens (7 watt)  
1300 lumens (10 watt)

### Universal Input Voltage

120-277 VAC, 50/60 Hz

### Output Voltage

15 – 50 VDC (7 watt)  
15 – 52 VDC (10 watt)

### Output Power

7.5 W (Initial – 7 watt)  
10.0 W (Initial – 10 watt)

### Test Switch / Charging Indicator Light

Test Button Indicator Light (TBIL)

### Battery

High-Temperature, Maintenance-Free  
Nickel-Cadmium Battery  
7- to 10-Year Life Expectancy

### Recharge Time

24 Hours

### Charging Indicator Light

LED

### Temperature Rating

Ambient : 0°C to +55°C (32°F to 131°F)  
Case: Tc (max): 65°C

### Dimensions

10w  
22.5" x 1.18" x 1.18" (572 mm x 30 mm x 30 mm)  
Mounting Center 22.1" (561 mm)

7.5W  
12" x 2.4" x 1.5" (304 mm x 60 mm x 38 mm)  
Mounting Center 11.5" (292.1 mm)

### Weight

10W  
2.5 lbs. (1.12 kg) metal case without conduit

7.5W  
4.3 lbs. (1.95 kg) - metal case without conduit

## How to Specify

Emergency lighting shall be provided by using an LED fixture equipped with a Sure-Lite EBPLEDSD self-testing/self-diagnostic emergency driver. Electronic circuitry shall be self-testing in design and automatically test emergency lighting for a minimum of 30 seconds every 28 days and 90 minutes once a year.

The emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in a metal case. The EBPLED-LP10WSD comes with 2' length(s) of flexible conduit.

A Test Button Indicator Light (TBIL) is used to monitor charger and battery and installation hardware shall be provided. It works in conjunction with an AC LED driver that has an output current not to exceed 3.0 A, to convert new or existing LED fixtures into emergency lighting.

The EBPLED-LP10WSD can be used with an LED lighting load of up to 10 Watts. If used in an emergency-only fixture, no AC driver is necessary. Converts standard LED fixtures to emergency fixtures with 90 minutes of run time.

### Installation

- The EBPLEDSD series does not affect normal fixture operation and may be used with either a switched or unswitched fixture.
- If a switched fixture is used, an unswitched hot lead must be connected to the emergency driver.
- The emergency driver must be fed from the same branch circuit as the AC driver.
- Installation is not recommended with fixtures where the ambient temperature may fall below 0° C.

### Operation

- During normal operation, the EBPLEDSD series constantly monitors battery voltage.
- When AC power fails, it immediately switches to the emergency mode, operating the LEDs at a reduced lumen output for a minimum of 90 minutes.
- When AC power is restored, the emergency driver automatically returns to the charging mode.
- During automated testing, the battery simulates an AC power failure, causing the emergency ballast to switch to emergency mode and conduct a discharge test to monitor battery voltage and LED's operation.
- If the EBPLEDSD detects a problem, the status indicator light flashes.
- When testing is complete, the EBPLEDSD returns to the charging mode.
- Automatically tests emergency lighting for 30 seconds once a month and 90 minutes once a year.
- Compatible with LED products with 15 to 50 VDC operation.
- Provides up to 975 (7 watt) or 1300 lumens (10 watt) of illumination during a power outage.

### Application

- UL Listed and can be used for normal and emergency options.
- Suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations.
- Not suitable for air handling heated air outlets and wet or hazardous locations.

\* For more information about specific LED and AC driver compatibility, please call the factory.

### Compliance

- The EBPLEDSD shall have a 15.0 Watt-hour (7 watt) or 21.6 Watt-hour (10 watt) battery capacity and shall comply with emergency standards set forth by the current NEC.
- This device complies with Part 15 of the FCC Rules and meets CEC Title 20 (California Energy Commission) efficiency standards.
- The emergency driver shall be UL Listed for field or factory installation.
- Self-diagnostics capability eliminates labor intensive NFPA required monthly testing
- UL1310 and CSA 22.2 listed for both factory or field installation
- T20 Compliant.
- ROHS Compliant.

\*For detailed information regarding standards and code compliance for emergency lighting see product page or the Codes and Standards section on the web site.

### Warranty

- Five-year limited warranty.