



Emergency LED Driver
Class 2 Output
4 Watts Output Power

Project: _____
Location: _____
Cat.No: _____
Type: _____
Qty: _____
Notes: _____

Product order number:
BSL4LM

12NC number:
913702469501

Specifications

Regulatory Certifications

Listed to UL 924 and tested to CSA 22.2 No. 141
Factory or Field Installation (Indoor and Damp)
Output Class 2 Compliant
Input Title 20 CEC Compliant

Illumination Time

90 Minutes

Initial Light Output

Up to 520 lumens*

Full Warranty

5 Years (NOT pro-rata)

Universal Input Voltage

120-277 VAC, 50/60 Hz

AC Input Power Rating

3.0 W (Maximum)

Output Voltage

15-54 VDC

Output Power

4.0 W (Maximum)

Test Switch / Charging Indicator Light

Two-Wire Illuminated Test Switch (2W-ITS)**

Battery

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

Recharge Time

24 Hours

Temperature Rating

Ambient: 0-60°C (32-140°F)
Case Tc (max): 65°C

Dimensions

16.7" x 1.18" x 1.0" (424 mm x 30 mm x 25 mm)
Mounting Center 16.3" (415 mm)

Weight

1.2 lbs (0.54 kg)

*Based on a minimum efficacy of 130 lumens/watt

**The 2W-ITS is a Class 2 device.

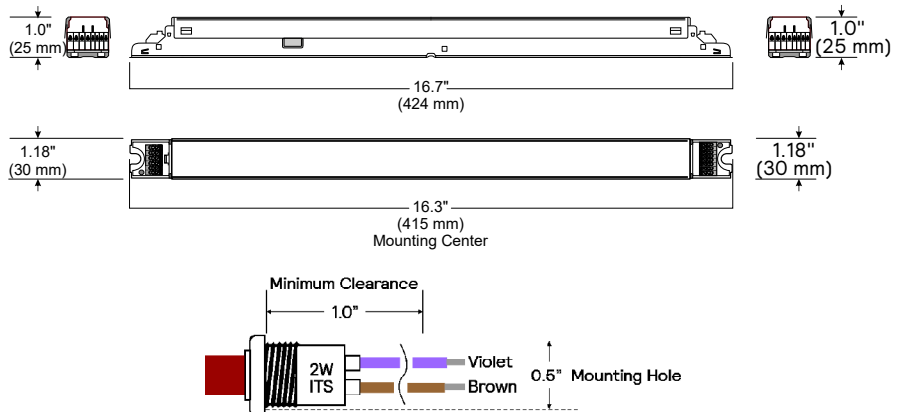
Benefits

- New compact design for space-limited linear LED fixtures
- Smart Charger Technology for low energy consumption
- Meets Title 20 CEC (California Energy Commission) efficiency standards
- Class 2 output (UL 1310 Certified)
- Poke-in wiring connections for simplified installation
- RoHS Compliant

Dimensions

16.7" x 1.18" x 1.0" (424 mm x 30 mm x 25 mm)

Mounting Center 16.3" (415 mm)



An illuminated test switch/charging indicator light is provided.

BSL4L

Emergency LED Driver, Class 2 Output

Application

The BSL4L is UL Listed for factory or field installation in US and Canada. The device allows the same LED luminaire to be used for normal and emergency operation. The BSL4L works in conjunction with an AC LED driver that has an output current not to exceed 3.0 A. The BSL4L consists of a high-temperature nickel-cadmium battery, smart charger, and electronic circuitry in one case. The BSL4L can deliver up to 4 watts to an LED load (15-54 VDC) for a minimum of 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL4L is suitable for indoor and damp locations, and also for installation in sealed and gasketed fixtures, including fixtures rated for wet locations. For more information about specific LED and AC driver compatibility, please contact Technical Support.

Operation

When AC power fails, the emergency driver 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.

Installation

The emergency driver 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. The 2W-ITS is a Class 2 device. It may be remotely mounted up to 100 ft. from the BSL4L.

Emergency Illumination

The BSL4L operates an LED load at up to 4W at nominal battery voltage for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using an LED fixture equipped with a Bodine BSL4L LED emergency driver. This emergency driver shall consist of a high-temperature maintenance-free nickel-cadmium battery, charger, and other electronic circuitry contained in one 16.7" x 1.18" x 1.0" compact metal case. The emergency driver comes with a two-wire illuminated test switch (2W-ITS) to monitor charger and battery. Installation hardware shall be provided. The emergency driver shall be capable of delivering up to 4 watts to an LED load (15-54 VDC) for a minimum of 90 minutes. This device complies with Part 15 of the FCC Rules and meets CEC Title 20 efficiency standards. The emergency driver shall be UL Listed for factory or field installation in US and Canada.

Warranty

The BSL4L is warranted for five (5) years from date of purchase. Please see warranty information on our website.

