

bodine



Emergency Driver

LED

BSL310LP



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

Low Profile Emergency LED Driver Class 2 output 10 Watts Output Power

Product order number: BSL310LPM (galvanized metal case)

Specifications

UL Listed for US and Canada

Listed to UL924 and tested to CSA 22.2, No. 141
For Field or Factory Installation
(Indoor and Damp)

Illumination Time

90 Minutes

Full Warranty

5 Years (NOT pro-rata)

Universal Input Voltage

120-277 VAC, 50/60 Hz

AC Input Power Rating

4 W (Maximum)

Output Voltage

15 - 52 VDC

Output Power

10.0 W initial (regulated)
NFPA-101 and NEC 700.12 compliant

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

Dimensions

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

Weight

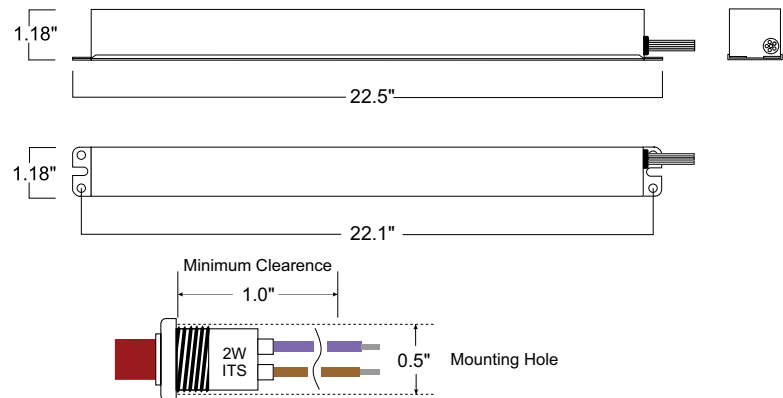
2.5 lbs. (1.12 kg) - metal case without conduit

Benefits:

- UL Listed for factory or field installation
- Compact design for low-profile/space-limited fixtures
- Controlled power for predictable discharge
- Smart Charger Technology for low energy consumption
- Meets CEC Title 20 (California Energy Commission) efficiency standards
- Class 2 output - UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Emergency mode initial lumen output of up to 1300 lumens
- Compatible with AC drivers and LED loads rated for Class 2
- Automatic adjustment for LED load configurations within the voltage range of 15 - 52V
- RoHS Compliant

Dimensions

22.5" x 1.18" x 1.18" (mounting center - 22.1")



An illuminated test switch/charging indicator light is provided.



BSL310LP Low-profile emergency LED driver

Application

The BSL310LP emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 2.5 A. The emergency driver consists of a high-temperature nickel-cadmium battery, charger, and electronic circuitry contained in one metal enclosure. The BSL310LP can be used with an LED lighting load configuration resulting in an output voltage in the 15–52V range, delivering an initial minimum power of 10.0 Watts for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL310LP is suitable for indoor and damp locations, and 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 BSL310LP 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 BSL310LP 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 BSL310LP Emergency Driver.

Emergency Illumination

The BSL310LP operates an LED load, delivering an initial minimum 10.0 W of power for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using an LED fixture equipped with a Bodine BSL310LP universal input (120–277VAC) emergency driver. This emergency driver shall consist of a high-temperature maintenance-free nickel-cadmium battery, charger, and other electronic circuitry contained in one metal enclosure. A 2-wire illuminated test switch (2W-ITS) shall be supplied

with the installation hardware. The 2W-ITS combines a single pole test switch that provides a test function with a solid-state charging indicator light that monitors the battery and its charger. The emergency driver shall be capable of operating an LED load for a minimum of 90 minutes and of delivering an initial minimum output power of 10.0W, following a battery charging period of at least 24hours. The BSL310LP is suitable for indoor and damp locations, and for installation in sealed and gasketed fixtures, including fixtures rated for wet locations. The BSL310LP shall have a 21.6 Watt-hour battery capacity, a maximum of 4.0 Watts of input power, 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 factory or field installation.

Warranty

Model BSL310LPST is warranted for five (5) full years from date of manufacture. Please see detailed warranty information on our web site.

