

# bodine



## Emergency Driver

LED

BSL23



Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat.No: \_\_\_\_\_  
Type: \_\_\_\_\_  
Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

## Emergency LED Driver 4.5 Watts output power

Product order number: BSL23 (metal case)  
See back page for additional model configurations

### Specifications

**UL Component Recognized**  
For Factory Installation only  
(Indoor and Damp)

**Illumination Time**  
90 Minutes

**Full Warranty**  
5 Years (NOT pro-rata)

**Dual Input Voltage**  
120/277 VAC, 60 Hz

**AC Input Current**  
280 mA

**AC Input Power Rating**  
2.0 W

**Output Voltage**  
3.0 to 20.0 VDC

**Output Current**  
410 mA (Maximum)

**Output Power**  
4.5 W (Maximum)

**Test Switch/Charging Indicator Light**  
Illuminated Test Switch

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

**Battery Charging Current**  
250 mA

**Recharge Time**  
24 Hours

**Temperature Rating (Ambient)**  
0°C to +50°C (32°F to 122°F)

**Dimensions**  
9.4" x 2.4" x 1.5" (238 mm x 60 mm x 38 mm)  
Mounting Center 8.9" (226 mm)

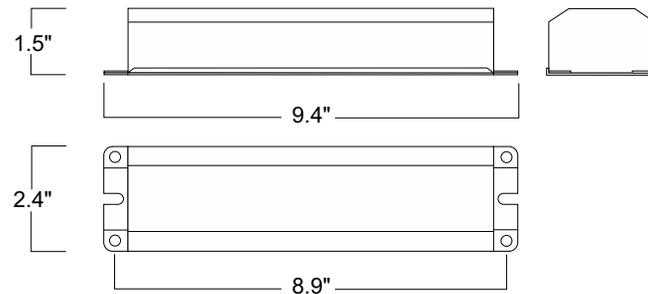
**Weight**  
BSL23 - 1.8 lbs. (0.82 kg)

### Benefits:

- Emergency Illumination for Lower Wattage LED fixtures
- For Indoor or Damp Locations

### Dimensions

9.4" x 2.4" x 1.5" (mounting center - 8.9")



An illuminated test switch/charging indicator light is provided.



# BSL23 Emergency LED driver

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## Application

The BSL23 emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 1.5 A, convert new or existing LED fixtures into emergency lighting. The emergency driver consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact red case. The BSL23 can be used with an LED lighting load of up to 4.5 Watts at rated current of 410 mA for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL23 is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. The BSL23 is suitable for indoor and damp locations. The emergency driver is 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.

## Operation

When AC power fails, the BSL23 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 BSL23 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. The BSL23 may be installed inside or on top of the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0° C.

## Emergency Illumination

The BSL23 operates an LED load of up to 4.5 W at rated current (410 mA) for a minimum of 90 minutes.

## Specification

Emergency lighting shall be provided by using an LED fixture equipped with a Bodine BSL23 emergency driver. This emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" red metal case. An illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. The emergency driver shall be capable of operating

an LED load of up to 4.5 Watts at a maximum rated current (410 mA) for a minimum of 90 minutes. It is suitable for indoor and damp locations and for sealed & gasketed fixtures. The BSL23 shall have 2 Watts of input power and a 9.6 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. The emergency driver shall be UL Component Recognized for factory installation only.

## Warranty

BSL23 is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

