

PHILIPS
bodine

Emergency Drivers

LED

BSL23 / BSL23C



Emergency LED Driver 4.5 Watts output power

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

Project: _____
Type: _____
Model No: _____ Qty: _____
Date: _____
Notes: _____

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

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

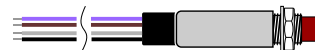
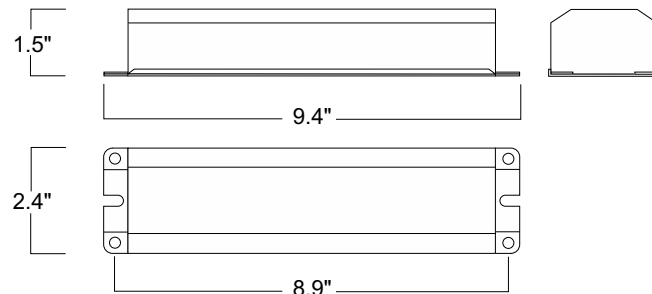
BSL23 - 1.8 lbs. (0.82 kg)
BSL23C Type 1 - 2.8 lbs. (1.3 kg)
BSL23C Type 2 - 2.4 lbs. (1.1 kg)

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/BSL23C

Emergency LED Driver, Class 2 Output, 7 Watts Output Power

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 series may be installed inside (BSL23 only), on top (both) or remote (BSL23C only) from the fixture. The emergency driver may be remotely installed up to half the distance the AC driver manufacturer recommends removing the AC driver from the LEDs or up to 50 feet, whichever is less. 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

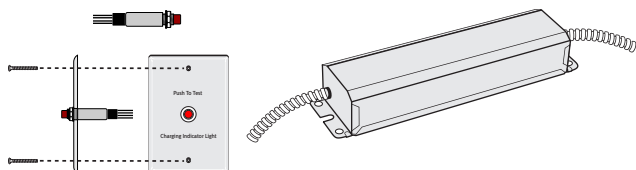
Emergency lighting shall be provided by using an LED fixture equipped with a Philips Bodine BSL23 emergency driver. This emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained

in one 9 3/8" x 2 3/8" x 1 1/2" red metal case. (The BSL23C comes with 2' length(s) of flexible conduit.) 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 (BSL23 only). 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 Listed (Pending) for factory or field installation

Warranty

Model BSL23/BSL23C is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

Optional model: BSL23C with conduit



BSL23C Type 1 (Order Number BSL23CM)
Includes 4-wire ITS Parts Kit with wall plate

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Document order number: L2301006 17.11



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