

bodine



Emergency Driver

LED

BSL10 Cold-Pak



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

Emergency LED Driver, Class 2 Listed for field or factory installation Extreme Cold Environments 14.0 Watts initial output power

Product order number: BSL10Cold (metal case)

Specifications

UL Listed

For Field or Factory Installation
(Indoor and Damp)

Illumination Time

90 Minutes

Full Warranty

5 Years (NOT pro-rata)

Dual Input Voltage

120 or 277 VAC, 60 Hz

AC Input Current

200 mA maximum with internal heater on
90 mA maximum when internal heater off

AC Input Power Rating

25 W maximum with internal heater on
7 W maximum when internal heater off

Output Voltage

24-52 VDC

Output Power

14.0 W initial output power
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

Battery Charging Current

270 mA average

Recharge Time

24 Hours

Temperature Rating (Ambient)

-20°C to +55°C (-4°F to +131°F)

Dimensions

8.968" x 3.457" x 2.930"
(227.8 mm x 87.8 mm x 74.4 mm)
Mounting Center 8.514" (216.3 mm)

Weight

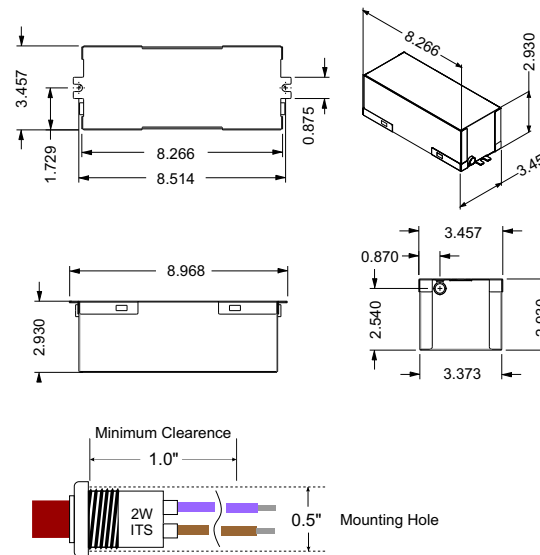
3.6 lbs. (1.6Kg) - metal w/o conduit

Benefits:

- Listed for field or factory installation - UL 924 Emergency Lighting Compliant
- Class 2 output (UL 1310 Certified)
- Easy to install - Operates in extreme cold environments
- Emergency mode initial lumen output of up to 1400 lumens based on 100 lm/W min efficacy
- Compatible with AC drivers and LED loads rated for Class 2
- The output power is automatically adjusted for LED load configurations within the voltage range of 24-52V
- RoHS Compliant

Dimensions

8.97" x 3.46" x 2.93" (mounting center - 8.51")



An illuminated test switch/charging indicator light is provided.



BSL10 Cold-Pak

Application

The BSL10-Cold Pak is UL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The BSL10 Cold-Pak emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 1.25 A. The emergency driver consists of a high-temperature nickel-cadmium battery, charger, and electronic circuitry contained in one metal enclosure. The BSL10 Cold-Pak can be used with an LED lighting load configuration resulting in an output voltage in the 24-52V range, delivering an average of 10.0 Watts (measured at nominal battery voltage and an ambient temperature of 25°C) for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL10 Cold-Pak is suitable for indoor and damp locations and for 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 BSL10 Cold-Pak 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. AC LED driver operation is delayed for up to 0.5 seconds to prevent over current of LEDs that would occur if both drivers supply the load at the same time.

Installation

The BSL10 Cold-Pak 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. Per UL requirements, the BSL10 Cold-Pak must be enclosed if remote mounted outside of the fixture.

Code Compliance

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

Emergency Illumination

The BSL10 Cold-Pak operates an LED load, delivering an average of 10.0 W of power at nominal battery voltage and ambient temperature of 25°C for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using an LED fixture equipped with a Bodine BSL10 Cold-Pak emergency driver. The BSL10 Cold-Pak shall have temperature-control circuitry to fulfill both low-temperature and high-temperature operation. AC LED driver operation is delayed for up to 0.5 seconds to prevent over current of LEDs that would occur if both drivers supply the load at the same time. This emergency driver shall consist of

a high-temperature, maintenance-free nickel-cadmium battery, battery heater, and electronic circuitry contained in one metal enclosure. A 2-wire illuminated test switch (2W-ITS), which combines a solid-state charging indicator light with a single pole test switch that provides a test function, shall be supplied with installation hardware. The emergency driver shall be capable of operating an LED load (24-52VDC) and of delivering an initial output power of 14.0 W at 25°C ambient temperature, following a battery charging period of at least 24 hours. The emergency driver shall be capable of operating the LED load and of delivering an average output power of 10.0 Watts at 25°C ambient temperature for a minimum of 90 minutes. The BSL10 Cold-Pak is suitable for indoor and damp locations and for sealed and gasketed fixtures, including fixtures rated for wet locations. The BSL10 Cold-Pak shall have a maximum of 25 Watts of input power when the heater is on and a 32.4 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. The emergency driver shall be UL Listed for field or factory installation.

Warranty

Model BSL10 Cold-Pak is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.

