



Emergency LED Driver, Class 2 Output  
6 Watts Minimum Initial Output Power  
Extended Temperature Range

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

**Product order number:**  
BSL36COLDITS67

**12NC number:**  
913702466601

### Specifications

#### Regulatory Certifications

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

#### Illumination Time

90 Minutes

#### Dual Input Voltage

120/277 VAC, 60Hz

#### Full Warranty

5 Years (NOT pro-rata)

#### AC Input Current

120 mA maximum with internal heater on  
50 mA maximum when internal heater off

#### AC Input Power Rating

13 W maximum with internal heater on  
4 W maximum when internal heater off

#### Output Voltage

15-52 VDC

#### Output Power

6.0 W minimum initial (regulated)

#### Battery

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

#### Recharge Time

24 Hours

#### Test Switch / Charging Indicator Light

Two-Wire Illuminated Test Switch  
(2W-ITS is IP67 rated and is a Class 2 device)

#### Temperature Rating

-20°C to +55°C (-4°F to + 131°F)

#### Dimensions

9.4" x 2.6" x 1.5" (239 mm x 67 mm x 38 mm)  
Mounting Center 8.9" (226 mm)

#### Weight

2.1 lbs (0.95 kg)

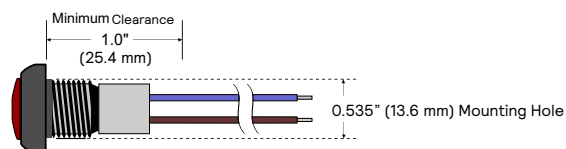
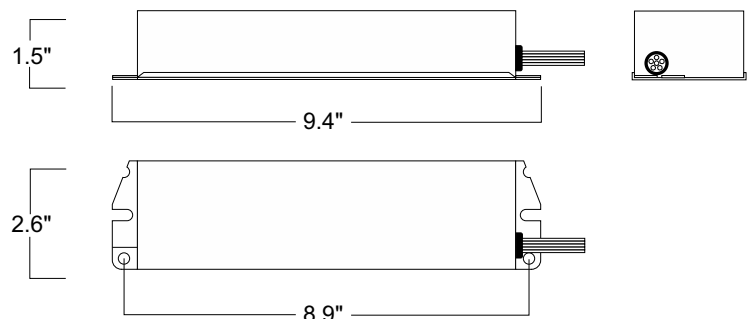
### Benefits

- Listed for factory or field installation - UL 924 Emergency Lighting Compliant
- Operates with extended temperature range (-20°C to 55°C)
- Class 2 output (UL 1310 Certified)
- Emergency mode minimum initial lumen output of 700 lumens based on 116 lm/W min. efficacy
- Compatible with AC drivers and LED loads rated for Class 2 loads
- The output power is automatically adjusted for LED load configurations within the voltage range of 15-52V
- RoHS Compliant

### Dimensions

9.4" x 2.6" x 1.5" (239 mm x 67 mm x 38 mm)

Mounting Center 8.9" (226 mm)



BSL36COLDITS67 ships with an IP67 rated illuminated test/charging indicator light.



# BSL36 Cold-Pak

## Emergency LED Driver, Extended Temperature, Class 2 Output

### Application

The BSL36 Cold-Pak emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 2.5A. The emergency driver consists of a high-temperature nickel-cadmium battery, charger, and electronic circuitry contained in one metal enclosure. The BSL36 Cold-Pak 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 6.0 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 BSL36 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 BSL36 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 overcurrent of LEDs that would occur if both drivers supply the load at the same time.

### Installation

The BSL36 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.

### Code Compliance

The BSL36 Cold-Pak has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and by the Canadian Standards Association (CSA) in accordance with the standards set forth in C22.2 No. 141, "Emergency Lighting Equipment", UL 8750, "Light Emitting Diode (LED) Equipment for use in Lighting Products", including UL 1310 "Class 2 Power Units", and CSA 22.2 No 223-M91, "Power Supply with Extra-Low-Voltage Class 2 outputs". The BSL36 Cold-Pak is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC), National Building Code of Canada (NBC), National Fire Code of Canada (NFC), and UL 90-minute requirements.

### Emergency Illumination

The BSL36 Cold-Pak operates an LED load, delivering an initial minimum power of 6.0 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 BSL36 Cold-Pak emergency driver. The BSL36 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 overcurrent 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 galvanized steel enclosure. A two-wire illuminated test switch (IP67 rated), 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 and of delivering an initial minimum output power of 6.0 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 output power exceeding 3.6 Watts at 25°C ambient temperature throughout the of 90 minutes of emergency operation. The BSL36 Cold-Pak is suitable for indoor and damp locations and for sealed and gasketed fixtures, including fixtures rated for wet locations. The BSL36 Cold-Pak shall have a maximum of 13 Watts of input power when the heater is on and shall comply with emergency standards set forth by the current NEC. The emergency driver shall be UL Listed for field or factory installation.

### Limited Warranty

Model BSL36 Cold-Pak is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our website.

