

bodine



Emergency Driver

LED

BSL718



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Emergency LED Driver Normal or Extreme Temps 18 Watts Output Power

Product order number: 12 NC number:

BSL718 (dual battery)	913702462901
BSL718SIB (single battery)	913702465901
BSL718HBCOLD	913702478001
BSL718FBCOLD	913702478101
BSL718TB	913702478201
BSL718FB	913702478301

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 locations)

Illumination Time

90 Minutes

Full Warranty

3 Years (NOT pro-rata)

Universal Input Voltage

120 through 277 VAC, 50/60 Hz

AC Input Current

75 mA (Maximum)

AC Input Power Rating

6 W (Maximum)
1.0 W (Standby)

Output Voltage

20.0 to 50.0 VDC

Output Current

0.3 - 0.9 ADC

Output Power

18.0 W Constant with SLA only;
Controlled with Ni-MH and Ni-Cd

Allowable AC Driver Output Current (blue wire)

5.0A (Maximum)

Test Switch

Low Voltage, IP67 rated test switch
(IPTS) with integral LED indicator

Battery

High-Temperature, Maintenance-Free
Sealed lead acid, nickel-metal hydride and
nickel-cadmium battery options

Recharge Time

24 Hours

Charging Indicator Light

LED (Optionally Provided)

Temperature Rating (Ambient)

-20°C to +60°C (-4°F to 140°F)
for SLA and Ni-MH only
0°C to +60° (32°F to 140°F) for Ni-Cd
Case: Tc (max) 80°C

Dimensions

9.4" x 2.2" x 1.05"
(238 mm x 55.9 mm x 26.7 mm)
Mounting Center 8.9" (226 mm)

Weight

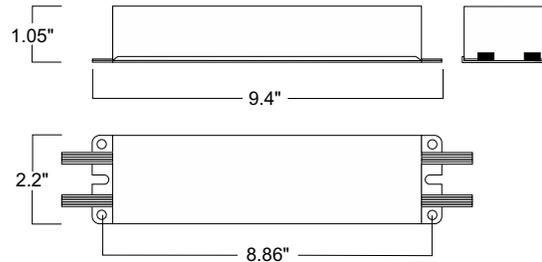
6.0 lbs. (2.72 kg)

Benefits:

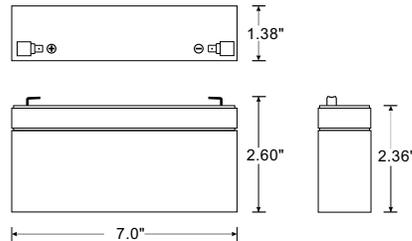
- Listed for field or factory installation - UL 924 and CSA C22.2 No. 141 Emergency Lighting Compliant
- Meets CEC Title 20 (California Energy Commission) efficiency standards
- Class 2 output - UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Operates in normal and extreme temperature environments
- Energy saving intelligent battery charger
- For use in damp locations
- Universal input (120 through 277 VAC 50/60 Hz)

Dimensions

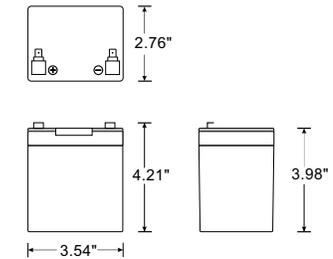
9.4" x 2.2" x 1.05" (mounting center - 8.86")



Dual Battery Option (two required)
Order Number: BSL718

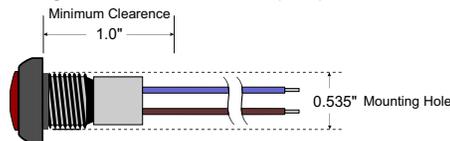


Single Battery Option (one only)
Order Number: BSL718SIB



Other Battery Options Available (see next page for drawings)

Low Voltage, IP67 rated test switch (IPTS)



BSL718 Emergency LED driver

Application

The BSL718 emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 5.0A. The emergency driver unit consists of a battery charger and electronic circuitry in one compact case. The batteries are separate from the driver. The BSL718 can be used with an LED lighting load configuration resulting in an output voltage in the 20-50V range, delivering an initial minimum power of 18 Watts for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL718 is suitable for damp locations. The BSL718 is not suitable for air handling heated air outlets or wet or hazardous locations. **Warning for models with SLA batteries:** Risk of personal injury or property damage – This emergency battery system contains a sealed lead acid battery. When used in a sealed and gasketed luminaire the luminaire must incorporate some type of venting method. For more information about specific LED and AC driver compatibility, please call the factory.

Operation

When AC power fails, the BSL718 immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

Installation

The BSL718 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 for models with Ni-Cd batteries and -20°C for models with Ni-MH or SLA batteries. The product is suitable for installation in sealed and gasketed fixtures when provided with some type of venting method (only applies to SLA battery options).

Emergency Illumination

The BSL718 operates an LED load, delivering an initial minimum 18 W of power for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using a standard LED fixture equipped with a Bodine BSL718 emergency driver. This emergency driver shall consist of either one or two batteries of either SLA, Ni-MH or Ni-Cd chemistry (depending on model) with a separate battery charger and electronic circuitry contained in one 9.4" x 2.2" x 1.05" metal case. Battery and installation hardware shall be

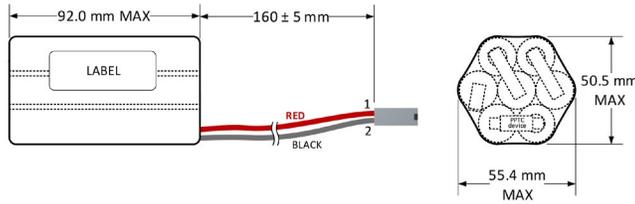
provided and a low voltage, normally open, IP67 rated test switch (IPTS). The emergency driver shall be capable of operating an LED load for a minimum of 90 minutes and of delivering an initial minimum output power of 18 W, following a battery charging period of at least 24 hours. It is suitable for damp locations. The unit contains a smart charger system that initially charges the battery in the rated time then reduces power consumption to a lower standby power mode. The unit 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 field or factory installation.

Warranty

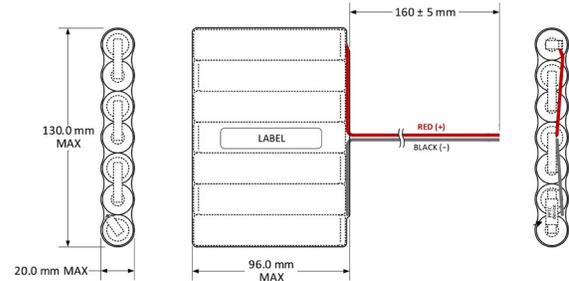
Model BSL718 is warranted for three (3) full years from date of purchase. Please see detailed warranty information on our web site.

Other Battery Options

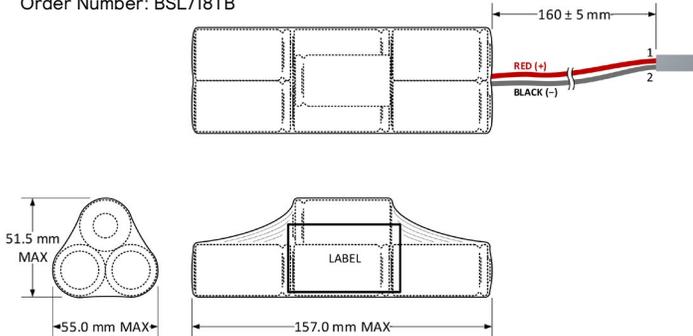
Ni-MH Hexagonal Battery Option (Two required)
Order Number: BSL718HBCOLD



Ni-MH Flat Battery Option (Two required)
Order Number: BSL718FBCOLD



Ni-Cd Triangular Battery Option (Two required)
Order Number: BSL718TB



Ni-Cd Flat Battery Option (Two required)
Order Number: BSL718FB

