

# PHILIPS bodine

## Emergency Drivers

LED

BSL718



Project: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Model No: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Emergency LED Driver Normal or Extreme Temps 18 Watts Output Power

Product order number: BSL718 (dual battery)  
 BSL718SIB (single battery)

### Specifications

**UL Listed for US and Canada**  
 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**  
 65 mA (Maximum)

**AC Input Power Rating**  
 5 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

**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 batteries

**Recharge Time**  
 24 Hours

**Charging Indicator Light**  
 LED (Optionally Provided)

**Temperature Rating (Ambient)**  
 -20°C to +60°C (-4°F to 140°F)  
 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)

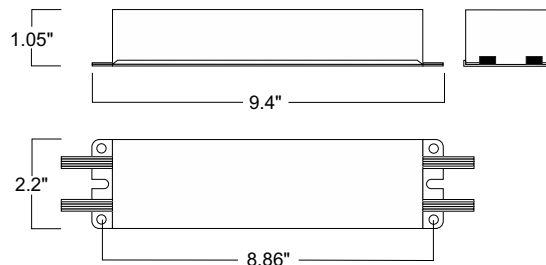
**Weight**  
 6.0 lbs. (2.72 kg)

### Benefits:

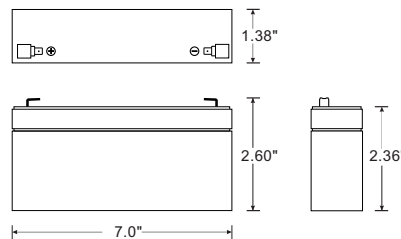
- Operates in normal and extreme temperature environments
- Energy saving intelligent battery charger
- For use in damp locations
- Universal input (120 through 277 VAC, 50/60 Hz)

### Dimensions

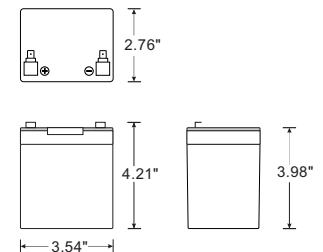
9.4" x 2.2" x 1.05" (mounting center - 8.86")



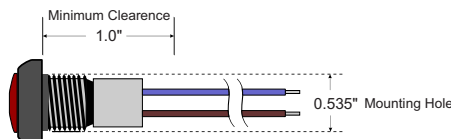
*Dual Battery Option (2 required)  
 order number: BSL718*



*Single Battery Option (one only)  
 order number: BSL718SIB*



*Low Voltage, IP67 rated test switch (IPTS)*



# BSL718

## Emergency LED Driver, 18 Watts output power

### 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:** 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 -20° C. The product is suitable for installation in sealed and gasketed fixtures when provided with some type of venting method.

### 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 Philips Bodine BSL718 emergency driver. This emergency driver shall consist of either one or two (depending on model) sealed lead acid batteries 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. 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.

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Philips Emergency Lighting  
236 Mt. Pleasant Rd.  
Collierville, TN 38017  
Tech Support: 888.263.4638  
Sales: 800.223.5728

[philips.com/bodine](http://philips.com/bodine)