

bodine

Emergency Drivers

LED

BSL8SB & BSL4SB



Extended-temps for indoor & outdoor applications

The Bodine BSL8SB and BSL4SB emergency LED drivers offer extended-temperature range operation down to -20°C for indoor and outdoor applications, including damp locations. They provide 90 minutes of emergency lighting, in compliance with the NFPA[®] 101[®] Life Safety Code[®], and their small size and separate battery design give them installation flexibility, which is critical when space limitations are a concern. The BSL8SB and BSL4SB are UL Listed for the U.S. and Canada.

BSL8SB & BSL4SB Emergency LED Drivers

Indoor & outdoor applications

Application

The BSL8SB and BSL4SB universal input (120-277 VAC) emergency LED drivers work in conjunction with an AC LED driver that has an output current not to exceed 3.0 A. The emergency drivers consist of a high-temperature sealed lead acid battery, charger and electronic circuitry in one case.* The BSL8SB can deliver up to 8W and the BSL4SB up to 4W to an LED load (measured at nominal battery voltage) for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. For more information about specific LED and AC driver compatibility, please call the factory at 888-263-4638.

Operation

When AC power fails, the BSL8SB or BSL4SB 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

Neither emergency LED driver affects normal fixture operation, and either may be used with 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 .

*When these emergency drivers are used in a sealed and gasketed luminaire, the luminaire must incorporate some type of venting method.



Product Highlights

- Operate in an extended-temperature range of -20°C to $+55^{\circ}\text{C}$
- Suitable for indoor and outdoor luminaires, including those for damp locations
- Includes proprietary charging technology designed for low energy consumption
- Meets CEC (California Energy Commission) Title 20 efficiency standards
- Class 2 output – UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Emergency mode lumen output of up to 1000 lumens for the BSL8SB and up to 500 lumens for the BSL4SB
- Universal input (120 through 277 VAC)
- 2-wire input helps reduce wiring errors
- Compatible with a variety of LED strip manufacturers



Dimensions:

Enclosure – 167 mm x 57 mm x 30 mm
Battery – 178 mm x 35 mm x 60 mm (Terminal height 66 mm)



Dimensions:

Enclosure – 167 mm x 57 mm x 30 mm
Battery – 96 mm x 43 mm x 52 mm (Terminal height 58 mm)

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