

PHILIPS bodine

Emergency Drivers

LED

BSL17C / BSL17



Project: _____
 Type: _____
 Model No: _____ Qty: _____
 Date: _____
 Notes: _____

Emergency LED Driver ETL Listed for Field Installation 7 Watts output power

Product order number: BSL17CU (metal case w/conduit)
 See back page for additional model configurations

Specifications

- ETL Listed**
Field or factory installation (Indoor/Damp)
- UL RECOGNIZED**
For Factory installation (Indoor/Damp)
- Illumination Time**
90 Minutes
- Full Warranty**
5 Years (NOT pro-rata)
- Universal Input Voltage**
120-277 VAC, 50/60 Hz
- AC Input Current**
45 mA
- AC Input Power Rating**
3.0 W
- Output Voltage**
30.0 - 130.0 VDC
- Output Current**
175 mA (Maximum)
- Output Power**
7.0 W (Maximum),
- Test Switch/Charging Indicator Light**
2 W - ITS (2-Wire illuminated test switch)*
- Battery**
High-Temperature, Maintenance-Free
Nickel-Cadmium Battery
7- to 10-Year Life Expectancy
- Battery Charging Current**
180 mA
- Recharge Time**
24 Hours
- Temperature Rating**
Ambient : 0°C to +55°C (32°F to 131°F)
Case: Tc (max): 65°C
- Dimensions**
12.0" x 2.4" x 1.5" (304 mm x 60 mm x 38 mm)
Mounting Center 11.5" (292 mm)
- Weight**
4.3 lbs. (1.95 kg)

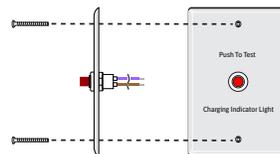
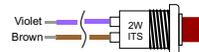
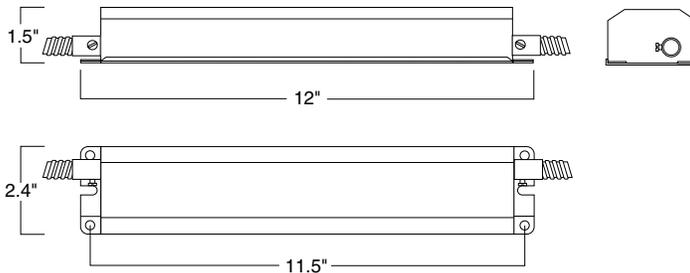
*4 Wire - ITS is only offered on Type 1 Option 6

Benefits:

- ETL Listed for field installation - UL 924 and CSA C22.2 No. 141 Emergency Lighting Compliant
- Controlled power for predictable discharge
- 30 - 130 VDC for wide range of LED loads
- Universal input (120 through 277 VAC, 50/60 Hz)
- RoHS Compliant

Dimensions

12.0" x 2.4" x 1.5" (mounting center - 11.5")



A Test/Monitor Plate with an illuminated test switch/charging indicator light is provided.



BSL17C/BSL17

Emergency LED Driver, 7 Watts Output Power

Application

The BSL17xx is ETL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The BSL17xx emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 1.5 A, to convert new or existing LED fixtures into emergency lighting. The emergency driver consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact case. The BSL17xx can be used with an LED lighting load of up to 7.0 Watts. If used in an emergency-only fixture, no AC driver is necessary. The BSL17C is suitable for indoor and damp locations. The BSL17 is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. Neither the BSL17C nor the BSL17 is suitable for air handling heated air outlets and wet or hazardous locations. For more information about specific LED and AC driver compatibility, please call the factory.

Operation

When AC power fails, the BSL17xx 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

The BSL17xx 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. The BSL17xx may be installed inside (BSL17 only) or on top of (BSL17C / BSL17) the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0° C.

Emergency Illumination

The BSL17xx operates an LED load of up to 7.0 W.

Specification

Emergency lighting shall be provided by using a LED fixture equipped with a Philips Bodine BSL17xx emergency driver. This emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 12" x 2 3/8" x 1 1/2" metal case. (The BSL17C comes with 2' length(s) of flexible conduit.) An illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. It is suitable for indoor and damp locations and for sealed & gasketed fixtures (BSL17 only). The emergency driver shall be capable of delivering up to 7 Watts to an LED load

(30-130VDC) for a minimum of 90 minutes. The BSL17xx shall have 3 Watts of input power and a 15.0 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. The emergency driver shall be ETL Listed for field or factory installation and UL Recognized for factory installation only.

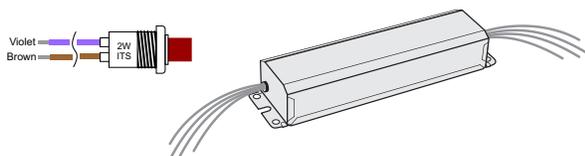
Installation Options and Ordering Codes

The BSL17xx can be ordered in several mounting configurations and with different test switch/LED options. Please see the Ordering Codes on this page to determine which configuration best meet your requirements.

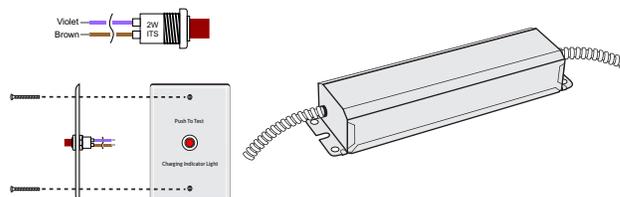
Warranty

Model BSL17xx is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

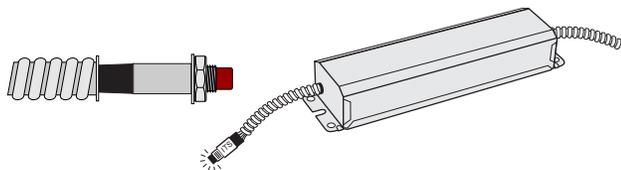
BSL17 (Order Number BSL17U)
Includes Loose 2W-ITS Parts Kit



BSL17C Type 1 (Order Number BSL17CU)
Includes 2W-ITS on Wall Plate

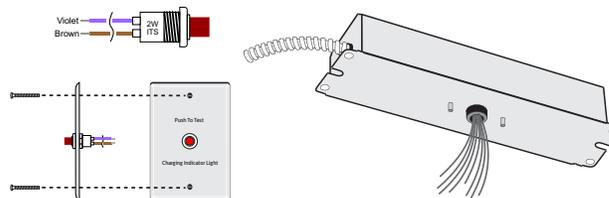


BSL17C Type 1 Option 6 (Order Number BSL17CT1O6U4W)
Includes 4W-ITS exiting through conduit



4 W-ITS exits through conduit adaptor. All other wires through the other conduit.

BSL17C Type 2 (Order Number BSLCT2U)
Includes 2W-ITS on Wall Plate



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