

# PHILIPS bodine

Emergency Drivers

LED

BSL17C-C2ST



Project: \_\_\_\_\_

Type: \_\_\_\_\_

Model No: \_\_\_\_\_ Qty: \_\_\_\_\_

Date: \_\_\_\_\_

Notes: \_\_\_\_\_

## Emergency LED Driver Self-Testing Class 2 output 7 Watts output power

Product order number: BLS17CC2ST (metal case w/conduit)

### Specifications

#### ETL Listed

For Field or Factory Installation  
(Indoor and Damp)

#### UL Component Recognized

For Factory Installation  
(Indoor and Damp)

#### Illumination Time

90 Minutes

#### Full Warranty

5 Years (NOT pro-rata)

#### Universal Input Voltage

120-277 VAC, 60 Hz

#### AC Input Current

45 mA

#### AC Input Power Rating

2.75 W

#### Output Voltage

15.0 - 50.0 VDC

#### 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 +50°C (32°F to 122°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

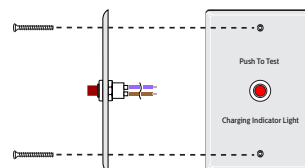
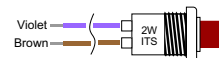
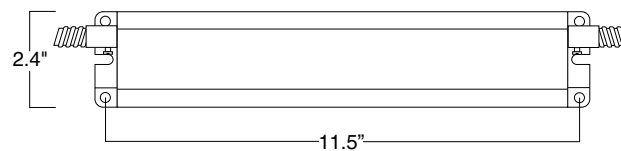
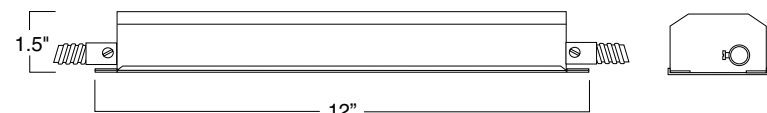
4.3 lbs. (1.95 kg)

### Benefits:

- Listed for field installation - UL 924 and CSA C22.2 No. 141 Emergency Lighting Compliant
- Class 2 output - UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Automatic Code-Compliant Testing
- Controlled power for predictable discharge
- 15 - 50 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-C2ST

## Emergency LED Driver, Self-Testing, Class 2 Output,

### APPLICATION

The BSL17C-C2ST 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 BSL17C-C2ST 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-C2ST is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. The BSL17C-C2ST is not 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

During normal operation, the BSL17C-C2ST constantly monitors battery voltage. When AC power fails, the BSL17C-C2ST 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. During automated testing, the

BSL17C-C2ST simulates an AC power failure, causing the emergency ballast to switch to emergency mode and conduct a discharge test to monitor battery voltage and LED's operation. If the BSL17C-C2ST detects a problem, the status indicator light flashes. When testing is complete, the BSL17C-C2ST returns to the charging mode. The BSL17C-C2ST automatically tests emergency lighting for 30 seconds once a month and 90 minutes once a year.

### INSTALLATION

The BSL17C-C2ST 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.

### CODE COMPLIANCE

For detailed information regarding standards and code compliance for emergency lighting see product page or the Codes and Standards section on the web site.

### SPECIFICATION

Emergency lighting shall be provided by using a LED fixture equipped with a Philips Bodine BSL17C-C2ST 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-C2ST comes with 2' length(s) of flexible conduit. An illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. The BSL17C-C2ST is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. The BSL17C-C2ST is suitable for indoor and damp locations. The BSL17C-C2ST 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 UL Recognized for factory installation only.

### Warranty

Model BSL17C-C2ST is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

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Document order number: L2300238 16.0107



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