



Emergency LED Driver  
Listed for Factory or Field Installation  
7.5 Watts Output Power

Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat.No: \_\_\_\_\_  
Type: \_\_\_\_\_  
Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

**Product order number:**  
BSL17U  
BSL17CU

**12NC number:**  
913702455101  
913702455001

### Specifications

#### Regulatory Certifications

UL Listed to UL 924 and tested to CSA 22.2, No. 141  
Factory or Field Installation (Indoor and Damp)  
Input Title 20 CEC Compliant

#### Illumination Time

90 Minutes

#### Full Warranty

5 Years (NOT pro-rata)

#### Universal Input Voltage

120-277 VAC, 50/60 Hz

#### AC Input Power Rating

3.0 W

#### Output Voltage

30-130 VDC

#### Output Power

7.5 W (Maximum)

#### Test Switch/Charging Indicator Light

Two-Wire Illuminated Test Switch (2W-ITS)

#### Battery

High-Temperature, Maintenance-Free  
Nickel-Cadmium Battery  
7 to 10-Year Life Expectancy

#### Recharge Time

24 Hours

#### Temperature Rating

Ambient : 0-50°C (32-122°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

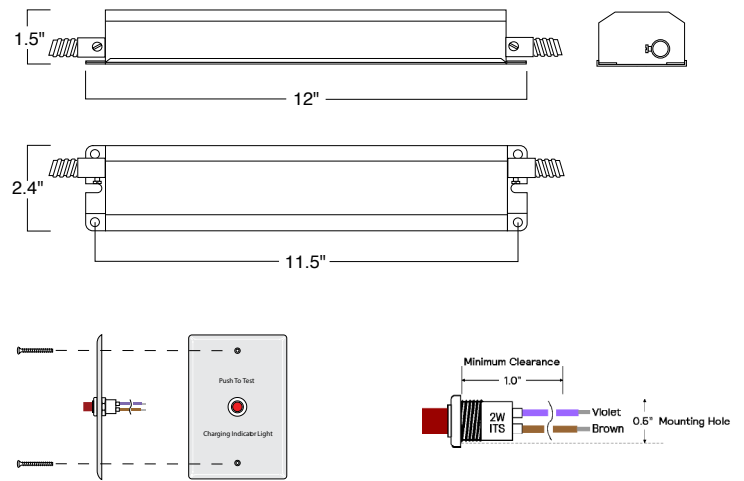
4.3 lbs (1.95 kg)

### Benefits

- Listed for field or factory installation - UL 924 and CSA C22.2 No. 141 Emergency Lighting Compliant
- Smart Charger Technology for low energy consumption
- Meets Title 20 CEC (California Energy Commission) efficiency standards
- Controlled power for predictable discharge
- Emergency mode initial lumen output of up to 975 lumens
- 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" (304 mm x 60 mm x 38 mm)  
Mounting center - 11.5" (292 mm)



A Test/Monitor Plate with an illuminated test switch/charging indicator light is provided the BSL17CU only.

# BSL17C/BSL17

## Emergency LED Driver, 7.5 W Output Power

### Application

The BSL17C is UL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The BSL17C emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 3.0 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 can be used with an LED lighting load of up to 7.5 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 contact Technical Support.

### Operation

When AC power fails, the BSL17C 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 BSL17C 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 BSL17C may be installed on top of the fixture and the BSL17 may be installed on top of or inside the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0° C.

### Emergency Illumination

The BSL17C operates an LED load at up to 7.5 W.

### Specification

Emergency lighting shall be provided by using a LED fixture equipped with a Bodine BSL17C 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' lengths of flexible conduit and the BSL17 has wires only. A two-wire illuminated test switch (2W-ITS) to monitor charger and battery and installation hardware shall be provided. 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. The emergency driver shall be capable of delivering up to 7.5 Watts to an LED load (30-130 VDC) for a minimum of 90 minutes. The BSL17C shall have a 15.0 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. This device complies with Part 15 of the FCC Rules and meets Title 20 CEC (California Energy Commission) efficiency standards. The emergency driver shall be UL Listed for field or factory installation.

### Installation Options and Ordering Codes

The BSL17C 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 BSL17C is warranted for five (5) full years from date of manufacture. Please see detailed warranty information on our website.

### Bodine Product Storage Guidance

1. All batteries require periodic charging and discharging cycles. In general, here are the relevant battery chemistry industry standard guidelines to maintain optimal battery capacity for each battery type used by Bodine:

a. Nickel-based battery chemistries (Ni-Cd/Ni-MH) should be charged and discharged within 6 months. At a minimum, the battery should be recharged within this time.

b. Lead-Acid battery chemistries, such as the Sealed Lead-Acid (SLA) batteries used in some Bodine products, should be fully recharged every 8 months.

c. Lithium chemistries should be fully recharged every 6 months. Though they can be stored for longer periods and still maintain their full effectiveness, they will not be able to provide the product with emergency power until they are recharged.

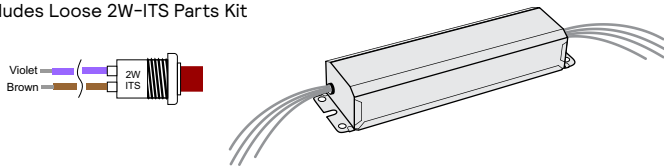
2. Any battery stored for the time period mentioned above requires a full charge or for the product to be energized for its rated charge time in order to meet the full rated emergency run-time.

3. Batteries must be stored at temperatures between 0-40°C. However, optimal storage is 0-25°C. Storage at extreme temperatures will reduce the storage time possible and may permanently damage the battery.

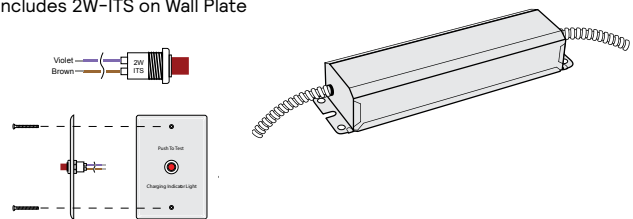
Never store the product with the inverter connector (sometimes also called the "converter" or "unit enable" connector) closed. This enables the output and the control circuitry and will drain the battery in storage at a faster rate.

### Optional Configurations

BSL17 (Order Number BSL17U)  
12NC 913702455101  
Includes Loose 2W-ITS Parts Kit



BSL17C Type 1 (Order Number BSL17CU)  
12NC 913702455001  
Includes 2W-ITS on Wall Plate



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