



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

Emergency LED Driver 20 Watts Constant Output Power Class 2 Output

Product order number: BSL20LVcUL (galvanized metal case)

Specifications

UL RECOGNIZED

Factory Installation only (Indoor and Damp)
Output Class 2 Compliant

Illumination Time

90 Minutes

Full Warranty

5 Years (NOT pro-rata)

Universal Input Voltage

120-277 VAC, 50/60 Hz

AC Input Current

95 mA Maximum

AC Input Power Rating

8.5 W Maximum

Output Current and Voltage

BSL20LV 1A-0.55A 20V-36V

Output Power

20.0 W

Test Switch/Charging Indicator Light

Illuminated Test Switch 2W-ITS
(2W-ITS can be mounted up to 50 feet from fixture)

Battery

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

Battery Charging Current

275 mA

Recharge Time

24 Hours

Temperature Rating (Ambient)

0°C to +50°C (32°F to 122°F)

Dimensions

16.6" x 2.8" x 2.85"
(422 mm x 71 mm x 73 mm)
2' (610 mm) Flexible Conduit
Mounting Center 16.05" (408mm)

Weight

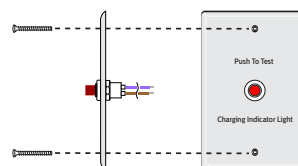
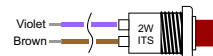
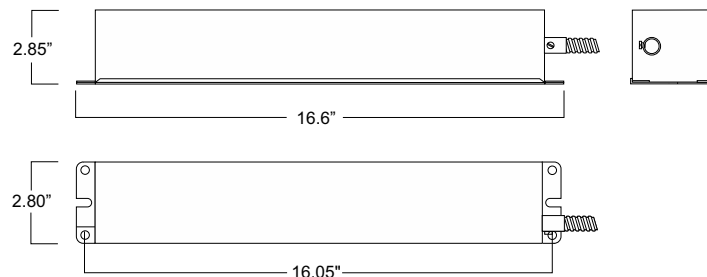
7.1 lbs. (3.22 kg)

Benefits:

- Enables LED Linear strip fixtures to meet Emergency Code requirements
- Emergency mode nominal lumen output of 2,000 lumens
- Universal input (120-277 VAC)
- 2 wire input reduces wiring errors
- Compatible with a variety of LED strip manufacturers
- Compatible with AC drivers and LED loads rated for Class 2
- Auto-sensing output within each range

Dimensions

16.6" x 2.8" x 2.85" (mounting center - 16.05")



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

BSL20LVcUL

Emergency LED Driver, 20 Watts constant output power, Class 2

Compatible With

- Philips Advance Xitanium 150W, 0.7A, 0-10V dimming ballast
- Philips LEDgine Service of LEDs
- Philips LED Line 33 V LED Strips
- Lusio Highbay LED Fixture
- LW-LUSIO-HBAY-0-2X2-HO-NW-CBL-EMB-(120/277)
- Contact factory for compatibility with other LED applications



Application

The BSL20LV-cUL universal input (120-277 V) emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 5.0 A. The emergency driver consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one galvanized case. The BSL20LV-cUL can supply an LED lighting load of up to 20.0 Watts for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL20LV-cUL is suitable for indoor and damp locations. For more information about specific LED and AC driver compatibility, please call the factory.

Operation

When AC power fails, the BSL20LV-cUL 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. A patented circuit delays AC LED driver operation for up to 5 seconds to prevent over current of LED's that would occur if both drivers supply the load at the same time.

Installation

The BSL20LV-cUL 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.

Emergency Illumination

The BSL20LV-cUL operates an LED load of up to 20.0 W at nominal battery voltage for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using a LED fixture equipped with a Philips Bodine BSL20LV-cUL universal input (120-277 V) emergency driver. A patented circuit delays AC LED driver operation for up to 5 seconds to prevent over current of LED's that would occur if both drivers supply the load at the

same time. This emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one case. An illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. The emergency driver shall be capable of operating an LED load of up to 20.0 Watts at a maximum rated current for a minimum of 90 minutes. The BSL20LV-cUL is suitable for indoor and damp locations. The BSL20LV-cUL shall have a maximum of 8.5 watts of input power and a 64.8 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 and shall be warranted for a full five years from date of purchase.

Warranty

Model BSL20LVcUL is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

