



10W Emergency LED Driver
 ABConnect Equipped (No Enable Connector)
 STSelect Equipped (Self-Test Selectable)
 Metal IP65 Test Switch/Indicator Light (bi-color)

Self-Test Enabled



Self-Test Disabled



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Qty: _____
 Notes: _____

Product order number:
 BSL10T3UAK55PKI2

12NC number:
 913702492801

Specifications

Regulatory Certifications

Listed to UL924 and tested to CSA 22.2 No. 141
 Field or Factory Installation (Indoor and Damp)
 Output Class 2 Compliant
 Input CEC Title 20 Compliant

Illumination Time
 90 Minutes

Initial Light Output
 Up to 1500 Lumens*

Full Warranty
 5 Years (NOT pro-rata)

Universal Input Voltage
 120-277 VAC, 50/60 Hz

Input Current
 60 mA max

Output Voltage
 15 - 54 VDC

Output Power
 10.0 W initial (regulated)

Battery
 High-Temperature, Maintenance-Free
 Lithium Ion Battery

Recharge Time
 24 Hours

Test Switch / Charging Indicator Light

Two-Wire, Bi-Color Illuminated Test Switch**
 IP65 rated for ingress protection to dust and
 water jets
 UL 2043 plenum rated test switch cable assembly

Temperature Rating

Ambient: 0°C to +55°C (32°F to 131°F)
 Case: Tc (max): 65°C

Dimensions

14.1" x 1.18" x 1.0" (358 mm x 30 mm x 25 mm)
 Mounting Center 13.78" (350 mm)

Weight

1.05 lbs (0.48 kg)

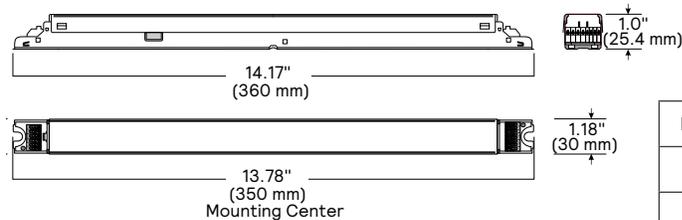
* Based on a min efficacy of 150 lumens/watt at load output power. ** The bi-color illuminated test switch is a Class 2 device.

Benefits:

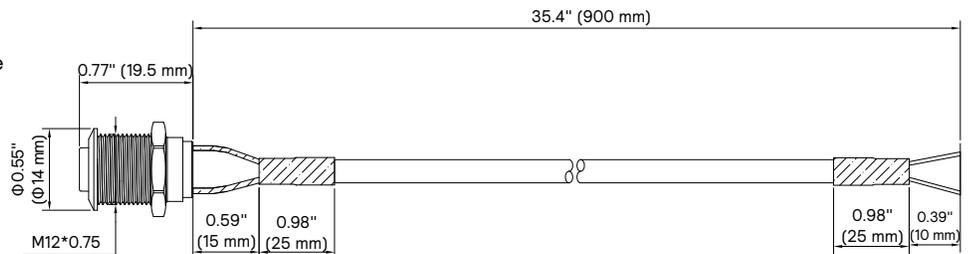
- New compact design for space-limited linear LED applications.
- Equipped with ABConnect to eliminate the need for the emergency enable connector
- New plenum rated metal test switch cable assembly with bi-color indicator light
- Meets Title 20 CEC (California Energy Commission) efficiency standards
- Equipped with STSelect for automatic code-compliant testing when enabled
- Controlled power for predictable discharge
- Reduced poke-in wiring connections for simplified installation

Dimensions

14.17" x 1.18" x 1.0" (mounting center - 13.78")



Metal Bi-Color Test Switch with Plenum Rated Cable



Note: Required hole size is 0.50" (12.5 mm).

Dim.	Tolerance
L	± 0.02" (0.5 mm)
W	± 0.02" (0.5 mm)
H	+ 0.1" (2.5 mm)

BSL10T3

Emergency LED driver, new compact case, self-testing, Class 2 output

Application

The BSL10T3 is UL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 5.0A to convert new or existing LED fixtures into emergency lighting. The emergency driver consists of a high-temperature maintenance free lithium ion battery, charger, and electronic circuitry contained in one metal enclosure. The BSL10T3 is capable of delivering an initial minimum power of 10 watts to an LED load (15–54 VDC) for a minimum of 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL10T3 is suitable for indoor and damp locations, and for installation in sealed and gasketed fixtures, including fixtures rated for wet locations. For more information about specific LED and AC driver compatibility, please contact Technical Support.

Operation

When AC power fails, the BSL10T3 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, (if selected), the BSL10T3 simulates an AC power outage. This causes the emergency driver to switch to emergency mode and conduct a discharge test to monitor battery voltage and the LED's operation. If the BSL10T3 detects a problem, the status indicator light flashes. When testing is complete, the BSL10T3 returns to the charging mode. If self-test is enabled, the BSL10T3 automatically tests emergency lighting for 30 seconds once a month and 90 minutes once a year.

ABCConnect

ABCConnect (Automatic Bodine Connect) simplifies shipping, storage, installation, and commissioning of the emergency lighting luminaire. It allows for the luminaire to be installed and made ready for use

without needing to reopen the luminaire when AC power is available, also avoiding unnecessary drain on the battery. Once activated, the product can also be manually disabled, allowing the product or the luminaire to be safely stored for extended periods of time. In the situation where the user manually deactivates the emergency operation for shipping or storing product via the test switch, the Automatic Bodine Connect feature reactivates power when the driver senses that AC current is applied. This feature saves time, labor and the potential to overlook the converter connector step. This reduces the possibility of inadvertently discharging the battery prior to installation, whether in transit or storage.

STSelect

STSelect (Self-Test Select) permits the product end user to enable or disable the self-test feature. This is useful when emergency LED drivers are installed in occupancies that require periods of darkness. Auditoriums, movie theaters and hospital operating rooms are just a few examples of these occupancy types. In these areas, the self-test feature would typically be disabled so the emergency luminaires do not illuminate during a scheduled self-test when inconvenient for the occupants. By default, the STSelect is set to enable the automatic self-testing feature. In occupancies where this is not desired, it should be disabled.

Installation

The BSL10T3 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. The bi-color illuminated test switch is a class 2 device. It may be remotely mounted up to 100 ft. from the BSL10T3 emergency driver.

Code Compliance

The BSL10T3 complies with Part 15 of the FCC Regulations and meets CEC Title 20 (California Energy Commission) battery charging efficiency regulations. The emergency driver shall be UL924 Listed for factory or field installation in the USA or Canada. Output LED load and test switch connections are all rated Class 2 per UL1310.

Emergency Illumination

The BSL10T3 shall be capable of delivering up to 10 watts of initial power to an LED load (15–54 VDC) for a minimum of 90 minutes.

Specification

Emergency lighting shall be provided by using an LED fixture equipped with a Bodine BSL10T3 self-testing/self-diagnostic emergency driver. Electronic circuitry shall be self-testing in design and automatically test emergency lighting for a minimum of 30 seconds every 28 days and 90 minutes once a year. The self-testing function shall be able to be enabled and disabled after installation (STSelect). This emergency driver shall consist of a high-temperature maintenance-free lithium ion battery, charger, and other electronic circuitry contained in one metal enclosure. A bi-color illuminated test switch shall be supplied with the installation hardware. The BSL10T3 is capable of delivering an initial minimum power of 10 watts to an LED load (15–54 VDC) for a minimum of 90 minutes. The BSL10T3 is suitable for indoor and damp locations, and for installation in sealed and gasketed fixtures, including fixtures rated for wet locations. The BSL10T3 shall have a maximum input current of 60 mA and shall comply with emergency standards set forth by the current NEC. This device complies with Part 15 of the FCC Rules and meets CEC Title 20 (California Energy Commission) efficiency standards. The BSL10T3 shall be UL Listed for factory or field installation.

Limited Warranty

Model BSL10T3 is warranted for five (5) full years from date of manufacture. Please see detailed warranty information on our web site.

BSL10T3

Emergency LED driver, new compact case, self-testing, Class 2 output

Ordering Guide

example: BSL10T3UAK55PKI2

Product Category	Watts	Case	Input Voltage	Output Voltage	Temperature		Type/Harness	Packaging	Generation
<input type="text" value="BSL"/>	<input type="text" value="10"/>	<input type="text" value="T3"/>	<input type="text" value="U"/>	<input type="text" value="A"/>	<input type="text" value="K"/>	<input type="text" value="55"/>	<input type="text" value="PK"/>	<input type="text" value="I"/>	<input type="text" value="2"/>
BSL Bodine Solid State Lighting	10	T3 (see page 1 for case dimensions)	U 120-277V	A 15-54V	K Min. Temp 0° C	55 Max. Temp 55° C	PK Poke-in terminals	I Individual pack	2

Lithium Battery Shipping Regulations

To comply with IATA provisions for air transporting lithium batteries, and for a step by step guidance through the shipping process, please visit <https://www.iata.org/en/publications/store/lithium-battery-shipping-regulations/>.

To view a Classification Flowchart for package marking requirements, please visit <http://www.iata.org/whatwedo/cargo/dgr/Pages/lithium-batteries.aspx>. Scroll to the "Guidance Material" section and click on the provided "Guidance Document" PDF link. The Classification Flowchart will be found on page 5. The BSL10T3 battery cell capacity is less than 20Wh, and the battery pack capacity is less than 100 Wh.



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