



Emergency LED Driver (6 Watts Output Power)
 New Compact Case
 Test Switch with Plenum Rated Cable (order separately)
 Automatic code-compliant testing
 Class 2 Output

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Refer to order guide on page 2

Specifications

UL Listed for US and Canada
 Listed to UL924 and tested to CSA 22.2 No. 141
 Field or Factory Installation (Indoor and Damp)
 Output Class 2 Compliant

Illumination Time
 90 Minutes

Initial Light Output
 Up to 780 lumens*

Full Warranty
 5 Years (NOT pro-rata)

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

Output Voltage
 15 - 54 VDC

Output Power
 6.0 W initial (regulated)

Test Switch / Charging Indicator Light
 Test Switch with Plenum Rated Cable
 35.43" (900 mm)

Battery
 High-Temperature, Maintenance-Free
 Lithium Ion Battery
 7- to 10-Year Life Expectancy

Recharge Time
 24 Hours

Temperature Rating
 Ambient : 0°C to +55°C (32°F to 122°F)
 Case: Tc (max): 65°C

Dimensions
 4.21" x 3.00" x 1.18" (107 mm x 76 mm x 30 mm)
 Mounting Center 4.59" (117 mm)

Weight
 0.75 lbs. (0.34 kg)

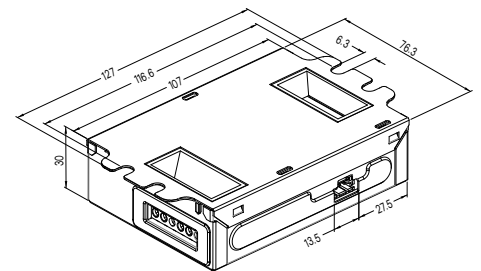
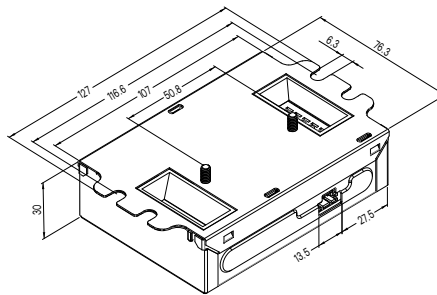
Benefits:

- New compact design for space-limited LED applications
- Test switch with plenum rated cable (order separately)
- Smart Charger Technology for low energy consumption
- Meets Title 20 CEC (California Energy Commission) efficiency standards
- Manually deactivate emergency operation for shipping or storing product via test switch
- Emergency operation automatically reactivates when AC power is reapplied
- Automatic code-compliant testing
- Controlled power for predictable discharge
- Color-coded, poke-in terminals to enhance wiring accuracy and ease of assembly/installation
- RoHS compliant

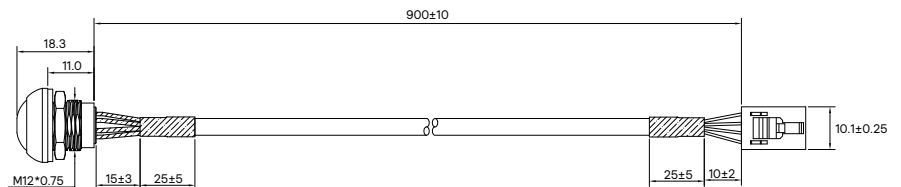
Dimensions

Bottom entry, stud mount

Side and bottom entry, no studs



Plastic Test Switch with Plenum Rated Cable (order separately)



* Based on a min efficacy of 130 lumens/watt of load power
 ** The Test Switch Cable Assembly is a Class 2 device.

Note: Required hole size is 12.5mm. All dimensions shown are in millimeters.

CSL06M5 Emergency LED Driver , Class 2 Output

Class 2 Output

Application

The CSL06M5 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 3.0A 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 CSL06M5 is capable of delivering an initial minimum power of 6 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 CSL06M5 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 CSL06M5 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 CSL06M5 simulates an AC power failure. This failure 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 CSL06M5 detects a problem, the status indicator light flashes. When testing is complete, the CSL06M5 returns to the charging mode. The CSL06M5 automatically tests emergency lighting for 30 seconds once a month and 90 minutes once a year.

Installation

The CSL06M5 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 plenum rated test switch cable assembly is a Class 2 device.

Code Compliance

The CSL06M5 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. The output LED load and test switch cable assembly connections are all rated Class 2 per UL1310. The cable is plenum rated. RoHS compliant

Emergency Illumination

The CSL06M5 shall be capable of delivering an initial minimum power of 6 watts 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 CertaPath CSL06M5 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 30 days and 90 minutes once a year. 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 test switch with plenum rated cable is not included and needs to be purchased separately. The CSL06M5 is capable of delivering an initial minimum power of 6 watts to an LED load (15-54 VDC) for a minimum of 90 minutes. The CSL06M5 is suitable for indoor and damp locations, and for installation in sealed and gasketed fixtures, including fixtures rated for wet locations. The CSL06M5 shall have a maximum of 6 Watts of input power, 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 CSL06M5 shall be UL Listed for factory or field installation.

Warranty

Model CSL06M5 is warranted for five (5) full years from date of manufacture. Bodine compatible test switch must be installed or warranty is void. Please see detailed warranty information on our website.

MOQ - 96 units (ordered in multiples of 16)

Accessory wire kit not included

Product order number: **12 NC number:**

CSL06M5UAK55BSB1 913702485401

CSL06M5UAK55LDB1 913702485301

PRT00265 913702486801

Plastic test switch (Ordered in multiples of 16)

Ordering Guide

Product Category	Wattage	Case	Input Voltage	Output Voltage	Temperature		Type/Harness	Packaging	Generation
CSL	06	M5	U	A	K	55		B	1
CSL Bodine CertaPath Solid State Lighting	06	M5 (Page 1 for case dimensions)	U 120-277V	A 15-54V	K Min. Temp. 0°C	55 Max. Case Temp. 55°C	BS Bottom studs and bottom wiring LD Side and bottom wiring, no bottom studs	B Bulk pack (16 units per case)	1

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 <http://www.iata.org/publications/store/Pages/lithium-battery-shipping-guidelines.aspx>.

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 CSL06M5 battery cell capacity is less than 20Wh, and the battery pack capacity is less than 100 Wh.

