

LED EMERGENCY DRIVER

Description:

Espen Technology's Emergency LED Driver operates Espen Flex and Flex DE Type B LED T5 and T8 lamps. During a power outage, the VEMB20W provides up to 20W of power to the lamp, allowing the same fixture to be used in both normal and emergency mode. Until recently, emergency driver solutions were readily available for Type A and Type C TLED solutions, but not Type B LED solutions. Type B was another case due to the challenging nature of AC lamp input requirements compared to DC. Since Type B TLEDs have an internal driver and are wired directly to line voltage, these lamps do not require a fluorescent ballast to convert line voltage to DC current. With no external ballast available to wire to, an auxiliary power supply, such as a generator or inverter, was the only option to provide emergency line power. Espen's VEMB20W overcomes this challenge. At 20W, this emergency driver illuminates most TLEDs at full brightness. The emergency driver test lead allows the user further peace of mind to ensure the driver is installed and operating correctly. Espen Technology is proud to add VEMB20W Type B Emergency LED Driver to our line of emergency drivers.

Electrical:

- Universal 120-277V, 50/60Hz Input
- Provides 180-320VDC (120-230VAC Equivalent) to the Load During Emergency Mode Operation
- Charge/Power "ON" LED Indicator Light and Push-to-Test Switch for Code Compliance Testing
- Long Life, Maintenance Free, Nickel-Cadmium Rechargeable Battery
- Output Short and Overcurrent Protection: Electronic Limiting, with Normal Operation Resuming
- 90 Minute Minimum Emergency Operating Time Over Full Temperature Range
- 24 Hour Maximum Battery Recharge Time

Installation:

- For Use with Switched or Un-Switched Fixtures
- Does Not Affect Normal Operation
- Suitable for Installation on Top or in Remote of the Fixture
- Emergency Driver and Lamps Must be Fed from Same Branch Circuit

Warranty:

- 5 years
- Meets UL924, NFPA 101 Life Safety Code, NEC and OSHA



Model: VEMB20W

Operates Espen Flex and Flex DE Type B LED 2ft, 3ft, 4ft T8 lamps,
Flex DE 4ft T5HE lamps

Technical Specifications

Input Voltage

120-277VAC

Lamp Operated

Espen Flex and Flex DE Type B LED 2ft, 3ft, 4ft T8 lamps,
Flex DE 4ft T5HE lamps

Emergency Operation

90 mins

Operating Temperature

0C/32F - 50C/120F

Battery

Nickel-Cadmium Rechargeable

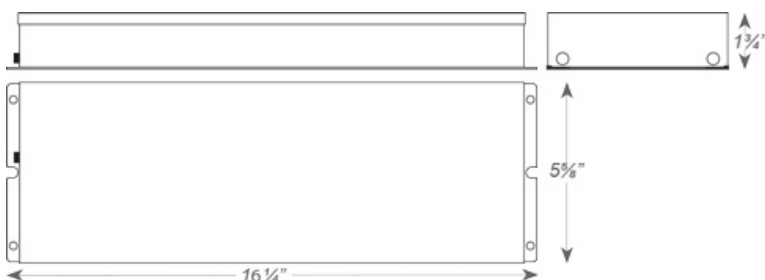
Housing

Durable Steel Housing Contains LED Driver and Battery

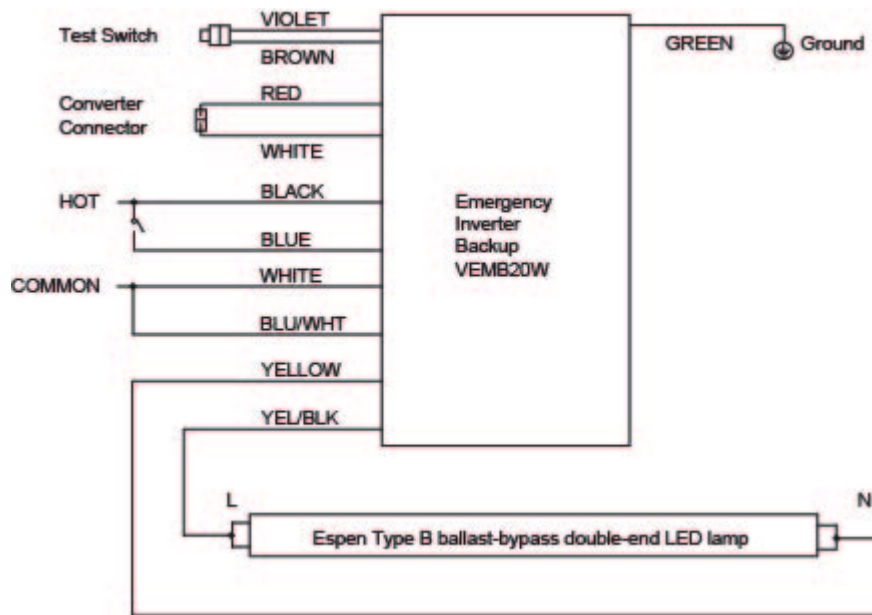
Approval

Meets UL924, NFPA 101 Life Safety Code, NEC and OSHA

Case Dimensions:



Wiring Diagram:



User Manual [VEMB20W_Manual.pdf](#)