

LED EMERGENCY DRIVER

Description:

The VEML25MV-1, LED emergency driver works in conjunction with the LED driver to allow the same LED fixture to be used for both normal and emergency operations. When power fails, VEML25MV-1 switches to emergency mode and keeps the luminaire illuminated at a reduced lumen output for a minimum of 90 minutes. VEML25MV-1 is suitable for use in new LED fixtures or LED retrofit applications. Includes LED charging indicator light, single-pole test switch, battery and installation hardware.

Electrical:

- Multi voltage (120-277 VAC 50/60 Hz)
- Compatible with LED driver
- Maintenance-free, long-life, high temperature LiFePO4 battery
- Safety extra low output voltage: 12-50 VDC
- Dip switch to adjust emergency light source wattage
- 4 constant wattage options for EM mode

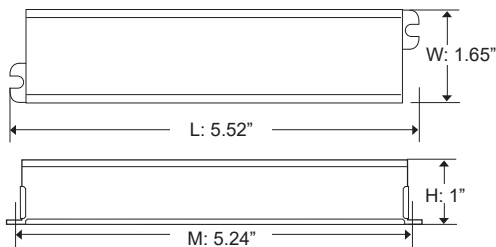
Installation:

- For use with switched or unswitched fixtures
- Does not affect normal operation
- May be installed in the wireway or on top of fixture
- Emergency driver must be fed from the same branch circuit as the LED driver
- Ambient temperature: 0°C/30°F - 60°C/140°F

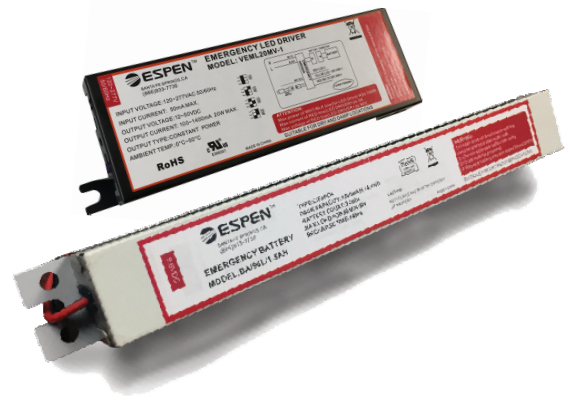
Warranty:

- 5 years
 - UL, cUL, UL924 listed
- FCC Part 15 Class A, Compliance to EN 61547/1995+A1/2000

Case Dimensions:



Specification data is based on tests performed in a controlled environment and represents relative performance. Actual performance can vary depending on operating conditions. Application and performance data subject to change without notice. All specifications are nominal unless noted otherwise.



Model: **VEML25MV-1**

Operates with Espen CoreTech type C LED lamp, VersaLinear LED module, or any other Class 2 LED lamp or module

Technical Specifications

Input Voltage

120-277 VAC, 50/60 Hz

Lamps Operated

- 2' - 4' of Espen CoreTech type C LED lamp or VersaLinear LED module
- Other Class 2 LED lamp or module

Output Voltage

12-50 VDC

Emergency mode rated power

90 min in 5W, 10W, 15W and 25W selectable

Emergency Operation

90 mins

Operating Temperature

0°C/30°F - 60°C/140°F

Battery

24-48 hr recharge, LiFePO4 options in 90 minutes: 5W, 10W, 15W and 25W

Approval

UL and cUL 924 Listed

ESPEN Technology, Inc.

12257 Florence Ave • Santa Fe Springs, CA 90670

Phone: (562) 529-2938 • Fax: (562) 529-2978 • Toll Free: (888) 933-7736

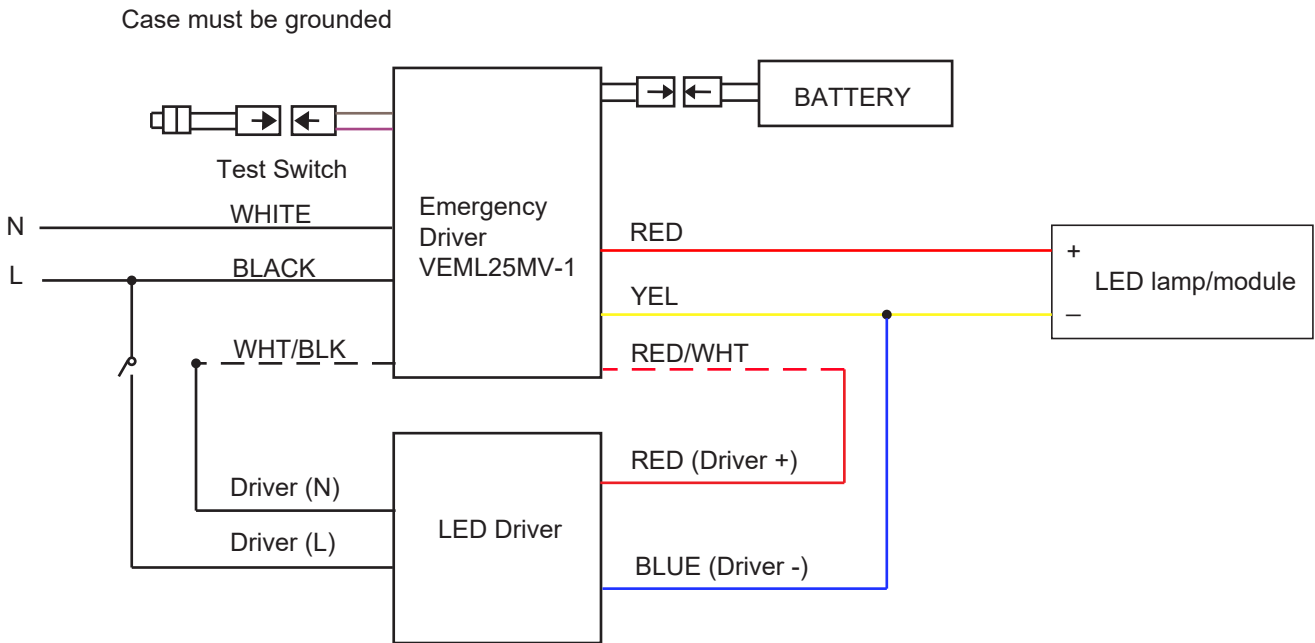
Email: info@espentech.com • www.espentech.com



Current adjustment (dip switch):

Dip Switch Setting	Emergency Mode Output Power	Emergency Mode Output Voltage	Emergency Mode Output Current	Battery Charging Current	Battery Model
	5W	12-50V	416-100mA	420 ±10% mA	BA/96L/1.5AH
	10W	12-50V	830-200mA	420 ±10% mA	BA/96L/2.0AH
	15W	12-50V	1250-300mA	420 ±10% mA	BA/96L/3.0AH
	25W	12-50V	1400-500mA	420 ±10% mA	BA/96L/6.0AH

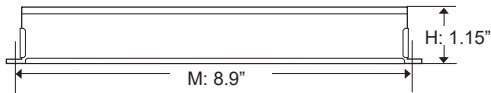
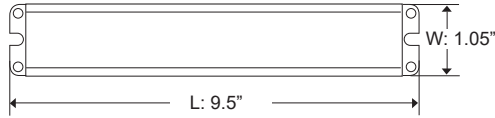
Wiring Diagram:



Specification data is based on tests performed in a controlled environment and represents relative performance. Actual performance can vary depending on operating conditions. Application and performance data subject to change without notice. All specifications are nominal unless noted otherwise.

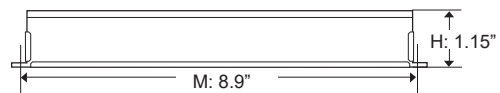
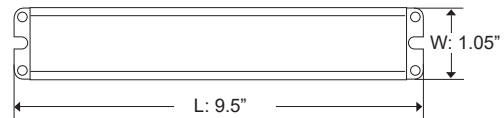
Battery option:

- BA/96L/1.5AH (24 hrs for recharge)
5W APPLICATION (Special Order)
Max. load for 90 Min: 8W



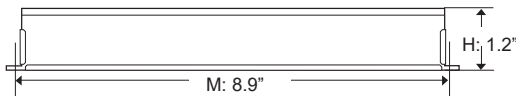
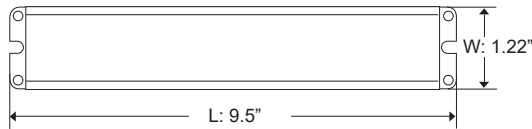
Weight: 0.6lbs

- BA/96L/2.0AH (24 hrs for recharge)
10W APPLICATION (Default)
Max. load for 90 Min: 10W



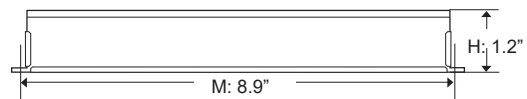
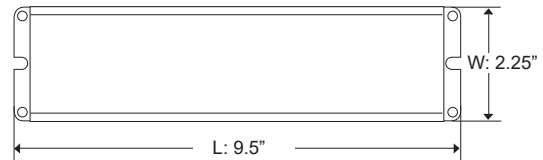
Weight: 0.6lbs

- BA/96L/3.0AH (32 hrs for recharge)
16W APPLICATION (Special Order)
Max. load for 90 Min: 16W



Weight: 0.8lbs

- BA/96L/6.0AH (48 hrs for recharge)
20W APPLICATION (Special Order)
Max. load for 90 Min: 25W



Weight: 1.6lbs

Specification data is based on tests performed in a controlled environment and represents relative performance. Actual performance can vary depending on operating conditions. Application and performance data subject to change without notice. All specifications are nominal unless noted otherwise.

ESPEN Technology, Inc.

12257 Florence Ave • Santa Fe Springs, CA 90670
Phone: (562) 529-2938 • Fax: (562) 529-2978 • Toll Free: (886) 933-7736
Email: info@espentech.com • www.espentech.com