

### APPLICATIONS

This advanced troffer retrofit kit easily converts 2X2 fluorescent troffers to the most current LED technology. Its ultra high efficiency reduces energy costs. It is one of the LED troffer retrofits that comes completely assembled as a lensed kit, requiring only one minute to install, reducing labor costs. The retrofit kit is also 0-10V Dimmable with 5 Year Warranty. Ideal applications include: office, retail, healthcare, education and hospitality interiors.

### PERFORMANCE

The VEK series uses the latest LED technology and LED driver to ensure steady performance and long lifetime.

### INSTALLATION

The Troffer Retrofit Kit provides the ideal way to replace existing 2X2 recessed troffer, utilizing the existing fixture housing. The kit provides all the components needed to perform the change out quickly and efficiently, allowing for system upgrades without disturbing the ceiling. The LED troffer retrofit is completely assembled within the frame. With special 2-in-1 design, the kit fits for both air return troffers and standard troffers.

[\\*Emergency Driver Solution Option](#)



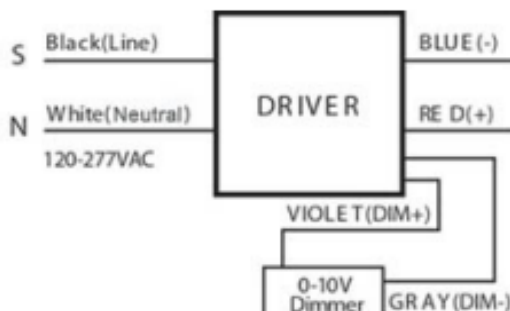
### Specification Data

Model No.	Output Current Setting	Watts (W)	Lumens (lm)	CCT	Efficacy (lm/W)	Input Voltage (Vac)	Dimming	Life (L70) hours	THD	CRI	Power Factor
VEKT2X2-8T (20W/25W/30W)		20/25/30	2500/3125/3750	3500/4000/5000	125	120-277	0-10V	>100,000	<20%	>80	0.9

### Dimensions

Length	Width	Height
1.78 ft	1.85 ft	2.76 in

### Wiring Diagram



### DLC Information

## LED EMERGENCY DRIVER

### Description:

The Espen Technology VEMB8W-10V (S) Emergency Lighting Inverter works with Espen's commercial downlight or other 0-10V dimming fixture. VEMB8W-10V provides a maximum load of 8 Watts, it is suitable for 0-10V dimming fixture application via switching 0-10V signal internally. VEMB8W-10V (S) allows the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. Each unit consists of electronic circuitry; lithium-ion battery, charger enclosed in a steel case and equipped with flexible conduit.

### Electrical:

- Universal 120-347V AC, 50/60Hz Input
- Open Circuit Voltage 170VDC
- Charge/Power "ON" LED Indicator Light and Push-to-Test Switch for Code Compliance Testing
- Long Life, Maintenance Free, Lithium-Ion 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
- Self testing monthly, CEC compliant

### Installation:

- For Use with Switched or Un-Switched Fixtures
- Does Not Affect Normal Operation
- Emergency Inverter and Fixtures Must be Fed from Same Branch Circuit

### Warranty:

- 5 years
- Meets UL924



### Model: VEMB8W-10V (S)

#### Description:

Operates Espen Commercial Downlight  
0-10V Dimming fixture up to 50W

### Technical Specifications

#### Input Voltage

120-347VAC

#### Lamp Operated

Espen Commercial Downlight  
0-10V Dimming Fixture up to 50W max.

#### Emergency Operation

90 mins

#### Operating Temperature

5C/40F - 50C/120F

#### Battery

Lithium-Ion

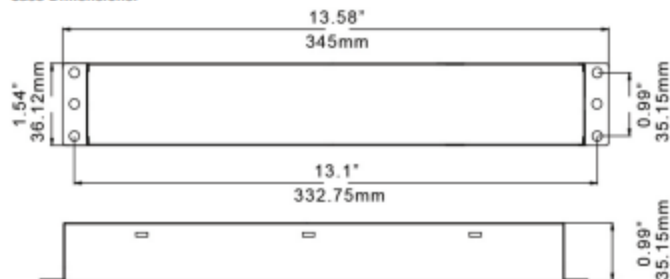
#### Housing

Durable Steel Housing Contains LED Driver and Battery,  
Equipped with 13 inches Flexible Conduit

#### Approval

Meets UL924

### Case Dimensions:



### Wiring Diagram: