



# EMG DRIVERS

LED EMERGENCY DRIVERS - INDOOR AND OUTDOOR



## ESL VISION OFFERS A FULL LINE OF EMERGENCY DRIVERS

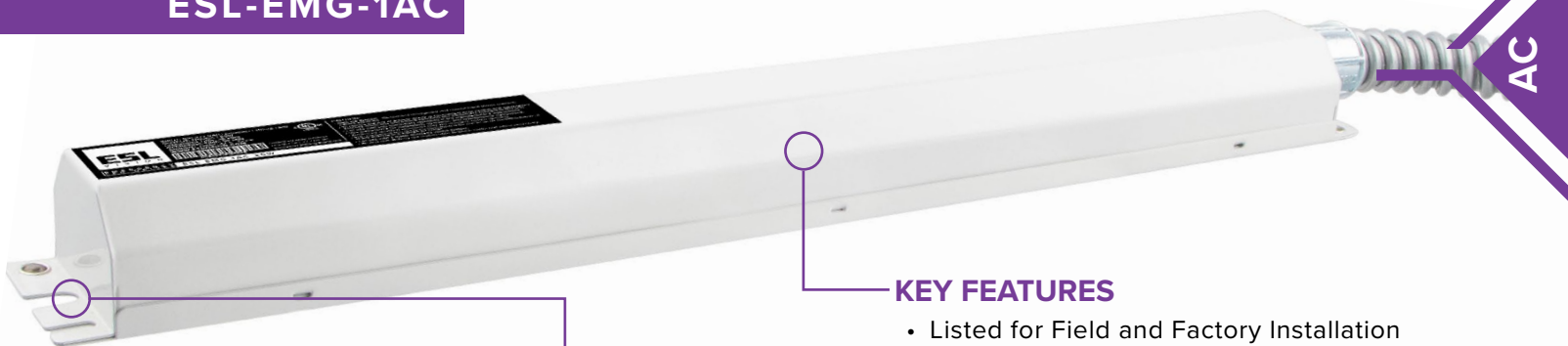
### WHEN TO USE AN EMERGENCY AC DRIVER

- The fixture/lamp to be powered by the emergency driver is integrated (internal) to the lamp or fixture.
  - EXAMPLES: Type B (line voltage) LED tubes, can lights, low wattage floods and wall packs, etc.
- Total overall power consumption of fixture/lamp is less than the emergency driver maximum power output. 16 watts for 1AC-16W and 25 watts for 1AC-25W.
- During emergency operation have a need for fixture/lamp run at full luminous output for 90+ minutes.

### THINGS TO NOTE

- Fixture/Lamp wattage must be less than rated output of emergency driver. 16 watts for 1AC-16W and 25 watts for 1AC-25W.
  - EXAMPLE: A 25 watt ESL Vision wall pack is compatible with the AC-25W unit but would not be compatible with the AC-16W unit.
- Lumen output on egress is dependent on fixture/lamp connected to emergency driver. The rated lumens of fixture/lamp are equal to the egress lighting lumens for a duration of no less than 90 minutes.

## ESL-EMG-1AC



### KEY FEATURES

- Listed for Field and Factory Installation
- High Charge Density Lithium Battery
- 2-Wire Illumination Test Switch
- UL 924 and Tested to CSA C.22.2 No. 141 Emergency Lighting Compliant
- RoHS Compliant

### PRODUCT APPLICATIONS

(UNDER 25 WATTS):

- Recessed Commercial Cans
- Line Voltage LED Tubes
- PL Lamps
- Omnidirectional Lamps



ESL-EMG-1AC-xxW*		16 Watts	25 Watts
Input	Rated Current	50mA (Max)	60mA (Max)
	Rated Power	6 Watts (Max)	8 Watts (Max)
	Rated Voltage	100 - 277 VAC, 50 - 60Hz	
Output	Emergency Output Power	16 Watts	25 Watts
	Output Voltage	170 VDC	
Emergency	Battery	High Charge Density Lithium Battery	
	Emergency Operation	≥90 Minutes	
	Charging Time	36 Hours	36 Hours
Environment	Operating Temperature	32°F - 122°F 0°C - 50°C	
	Case Tc	Max. 145°F (63°C)	Max. 159°F (71°C)
	Weight	3.1 lbs	3.31 lbs
	Dimensions (L x W x H)	17.14" x 2.13" x 1.38"	17.14" x 2.13" x 1.57"

\* XX = Output Power (8, 16 or 25)

# AC AND DC, AND MULTIPLE WATTAGE OUTPUTS

## WHEN TO USE AN EMERGENCY DC DRIVER

- The fixture/lamp to be powered by the emergency driver is external to the lamp or fixture. The DC output wires from existing LED driver must be accessible.
  - EXAMPLES: Type C (external driver) LED tubes, panel lights, troffers, linear high bays, wraps, etc.
- Wattage of fixture is greater than 25 watts.
- California Title 20 Applications

## THINGS TO NOTE

- Egress lumens are determined by efficacy of connected fixture multiplied by output of DC emergency driver.
  - EXAMPLE: 9 watt emergency driver x 100 lumens per watt fixture = 900 lumens of egress lighting for >90 min.
- Must have ability to interrupt DC output from LED driver to LED light source for installation.



ESL-EMG-4DC

DC

## KEY FEATURES

- Listed for Field and Factory Installation
- High Temperature, Nickel - Cadmium Battery for Long Life
- 2-Wire Illumination Test Switch
- Auto Test Function
- RoHS Compliant
- Meets CEC Title 20 (California Energy Commission) Efficiency Standards
- 13-60VDC for Wide Range of LED Loads

## PRODUCT APPLICATIONS

- Troffers
- Panels
- Type C Linear Tubes
- Any Fixture with Accessible Driver

ESL-EMG-4DC-xxW*		9 Watts	25 Watts
Input	Rated Current	0.06A (Max)	0.1A (Max)
	Rated Power	4 Watts (Max)	7 Watts (Max)
	Rated Voltage	100 - 277 VAC, 50 - 60Hz	
Output	Emergency Output Power	9 Watts	25 Watts
	Output Voltage	14~60VDC	25~60VDC
	Output Current	1A (Max)	
	Output Current of AC Driver	5A (Max)	
Emergency	Operation Frequency	320kHz ≥ f ≥ 50kHz	
	Emergency Operation	≥90 Minutes	
	Charging Time	24 Hours	
	Charging Current	0.11A	0.23A
Environment	Power Factor	≥0.50	
	Operating Temperature	32°F - 122°F 0°C - 50°C	
	Case Tc	Max. 158°F (70°C)	
	Weight	2.28 lbs (±0.25 lbs)	
Dimensions (L x W x H)		12.09" x 2.56" x 0.87"	13.78" x 3.23" x 1.18"

\* XX = Output Power (9 or 25 Watts)





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