

EMERGENCY LED DRIVER

ITEM CODE:DRE20W94287

General

Voltage	100~277Vac/347Vac,50/60Hz
Wattage	20W
Battery Type	Li-ion/Ni-MH
Input Current	100mA max.
Input Power Rating	7W max.
Output Voltage	20~50Vdc
Emergency Power	20W max.
Recharge Time	24Hrs
Discharge Time	≥1.5H

Specifications

Ambient Temperature	Li-ion:32~122°F (0~50°C)
Weight (lb.)	0.908 lbs(0.41kg)
Surge Protection	Line-Neutral 3KV

Certification

cUL Listed	UL924 and tested to CSA C22.2 NO.141
RoHS Compliant	Yes

Additional Information

Warranty	5 Year Limited
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Features

- High Output voltage
- Self-diagnostic circuitry performs testing automatically, reducing maintenance costs
- Auto-adjusting Class 2 25-50VDC output accommodates a wide range of LED designs
- Constant power design provides constant light output for 90 minutes
- Over temperature, over charge and discharge battery protection.
- Over voltage and short circuit protection.
- UL Listed for field installation

TEST SWITCH:

- AC Operation:
Press test switch once, fixture will go in emergency mode for 30 seconds
- AC Operation:
Press test switch twice within two seconds, fixture will go in emergency mode until battery is full discharged
- Emergency Operation:
Press test switch once will turn off the emergency mode status. The LED fixture & status indicator light will go out at the same times

CAUTION:

- Before doing high-voltage insulation test, must remove the battery pack first and make sure there is no any contact between the battery pack and the led drivers
- During storage, the battery pack need 24 hours charge every 6 months

FUNCTION: Indicator Light

- AC Operation:
Indicator light will stay ON
- Normal Emergency Operation:
Indicator light slowly flashes ON / OFF
- Failure mode:
Indicator light quickly flashes ON / OFF

SELF TEST

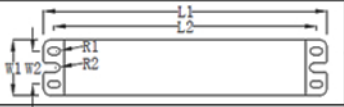
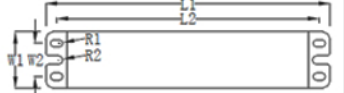
•The emergency LED driver contains a control/monitor circuit which will perform a 30-second discharge test once a month and a fully discharge test once a year.

At this time, the unit simulate an AC power failure and automatically switch to emergency mode.

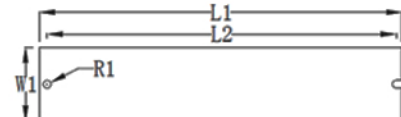
During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency duration, if the unit detect any problems,the indicator will flash quickly.

DIMENSIONS

Size of Li-ion battery's housing

Battery		Size(inch)						
Li-ion Battery		Length		Width		Height	Radius	
Picture	Power	L1	L2	W1	W2	/	R1	R2
	15W-20W	7.03"	6.43"	1.61"	0.91"	0.98"	0.1"	0.1"
	30W	7.03"	6.43"	1.61"	0.91"	1.73"	0.1"	0.1"
	4W-8W	4.02"	3.58"	1.69"	0.67"	1.22"	0.08"	0.08"

Size of the EM driver's housing

Control Board		Size(inch)			
		Length		Width	Height
Picture		L1	L2	W1	/
		7.32"	7.07"	1.50"	1.0"
					R1
					0.08"