



## Features

- UL Listed for US and Canada
- Listed to UL924 and tested to CSA C22.2 NO. 141
- High output voltage
- Low energy consumption CEC compliance
- Constant output power
- Self-testing
- Battery: overtemperature protection

## Specifications

- Input Voltage: 100~277Vac / 347Vac, 50/60Hz
- Input Current: 100mA max.
- Input Power Rating: 7W max
- Output Voltage: 25V~230Vdc
- Emergency Power: 30W max
- Recharge Time: 24 Hrs
- Discharge Time:  $\geq 1.5$  Hrs
- Warranty: 5 Years
- Ambient Temp: Li-Ion: 32~122°F (0~50°C)  
Ni-MH: 41~149°F (5~65°C)
- Weight: 0.908 lbs (0.41 kg)
- Surge Protection: Line-Neutral 3KV

## Certifications



## Model Number

Model #	Output Voltage	Emergency Power	Battery Type
FSTRS-2ft-EM8	25-50 Vdc	8W	Li-Ion
FSTRS-2ft-EM8		4W	
FSTRS-2ft-EM8	51-80 Vdc	8W	
FSTRS-2ft-EM8		4W	
FSTRS-2ft-EM8	81-155 Vdc	8W	
FSTRS-2ft-EM8		4W	
FSTRS-2ft-EM8	156-230 Vdc	8W	
FSTRS-2ft-EM8		4W	

## Function

### Indicator Light

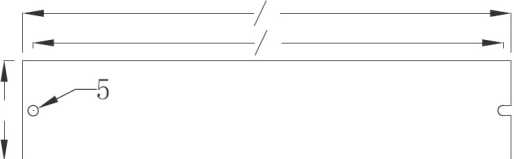
- AC Operation: indicator light will keep on
- Emergency Operation: indicator light flash slowly (light on for 2 seconds, light off for 2 seconds)
- In a case of failure, indicator light flashes quickly (light on for 0.2 seconds, light off for 0.2 seconds)

### 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 3 months

## The size of the control board`s and the battery`s housing

### Size of the EM driver`s housing

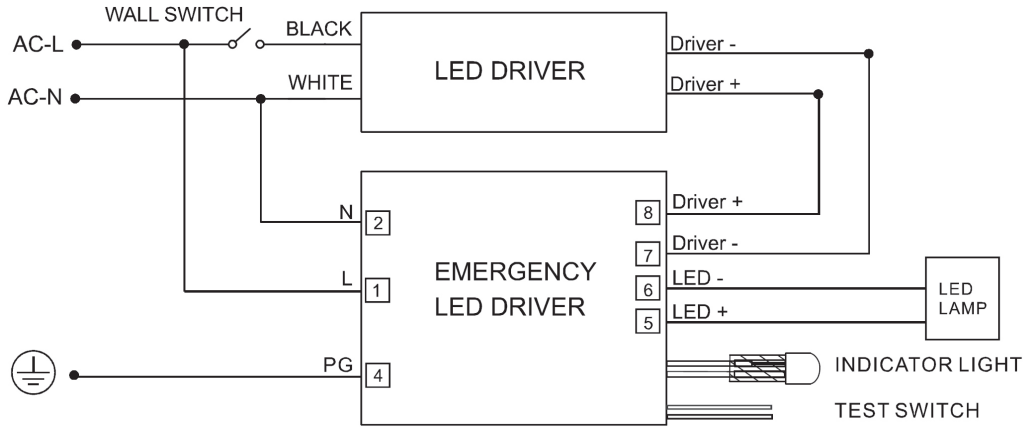
Control Board	Size(inch)				
	Length		Width	Height	Radius
Picture	L1	L2	W1	/	R1
	7.32"	7.07"	1.50"	1.0"	0.08"

### Size of Li-Ion battery housing

Battery			Size(inch)						
Li-ion Battery			Length		Width		Height	Radius	
Housing Material	Picture	Power	L1	L2	W1	W2	/	R1	R2
Iron		4W-8W	4.28"	4.2"	1.62"	1.56"	1.56"	0.1"	0.1"
Aluminum		4W-8W	3.53"	3.45"	1.54"	1.48"	1.48"	0.08"	0.08"

## Wiring Diagrams

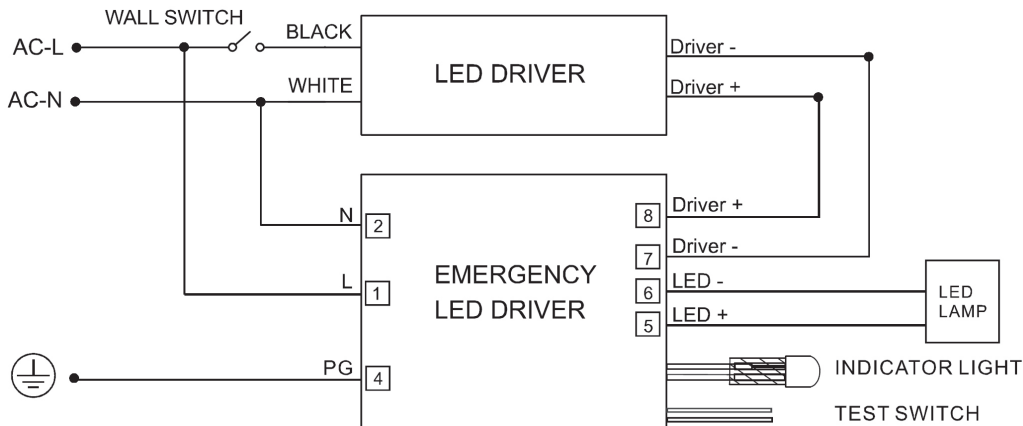
### Wiring Diagram 1



This wiring diagram is suitable for LED lamps with power less than 120W and the output current of the lamp's driver does not exceed 3A

\*This wiring diagram also can work for LED lamp with power less than 250W and the output current of the lamp's driver does not exceed 5A, for detailed information please consult the manufacturer

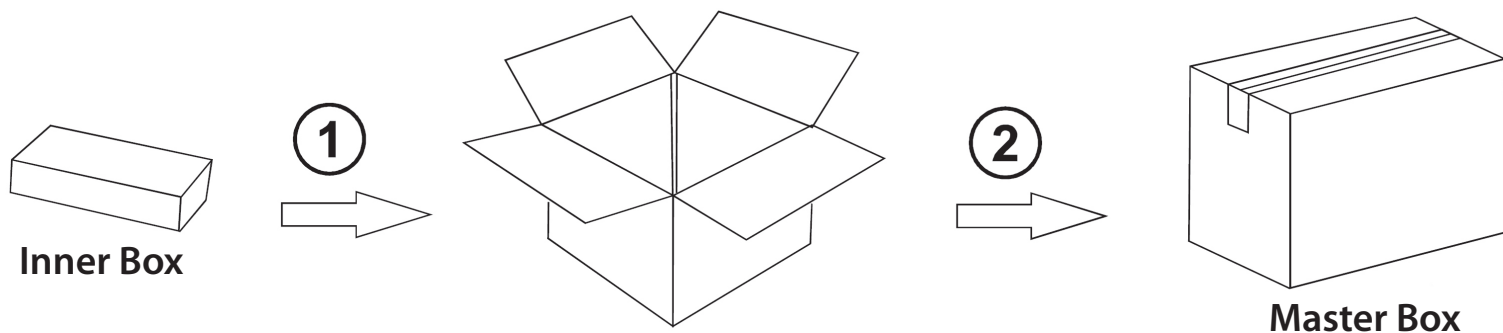
### Wiring Diagram 2



### 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 detects any problems, the indicator will flash quickly.

## Package



## Package information are as following forms

### Package for EM driver with Li-Ion battery

Housing Material	Power	Length (inches)	Width (inches)	Height (inches)	G.W. (kg)	N.W. (kg)	Quantity (pcs)
Iron	8W	13.19"	8.66"	7.87"	8.5	7.3	20
	15W - 20W	13.19"	8.66"	7.87"	10.4	9.4	20
	30W	/	/	/	/	/	/
Aluminium	4W - 8W	12.28"	8.54"	10.83"	7.83"	6.4	20