



T-1 LIGHTING

Project	Catalog #
Distributor	Type
Prepared by	Date

FLASH RELIABLE EMERGENCY DRIVERS T1-EM-A



- UL listed
- Listed for YL924 and tested to CSA C22.2 No. 141 field or factory installation
- High output voltage
- Low energy consumption CEC compliance
- Constant power output
- Self-testing
- Battery with over temperature protection

SPECS

Input Voltage	100-277Vac/347Vac, 50/60Hz	Discharge Time	≥1.5H
Input Current	100mA max.	Warranty	5 Years
Input Power Rating	7W max	Ambient Temperature	Li-ion: 32°-122°F(0°-50°C)
Output Voltage	25-230Vdc	Weight	2.66 lbs. (1.207kg.)
Emergency Power	30W max.	Surge Protection	Line-Neutral 3KV
Recharge Time	24Hrs.		



MODEL LIST

MODEL NO.	OUTPUT VOLTAGE	EMERGENCY POWER	BATTERY TYPE
T1-EM-A8-50	25-50Vdc	8W	Li-ion
T1-EM-A15-50		15W	
T1-EM-A20-50		20W	
T1-EM-A30-50		30W	
T1-EM-A8-80	51-80Vdc	8W	
T1-EM-A15-80		15W	
T1-EM-A20-80		20W	
T1-EM-A30-80		30W	

MODEL NO.	OUTPUT VOLTAGE	EMERGENCY POWER	BATTERY TYPE
T1-EM-A8-155	81-155Vdc	8W	Li-ion
T1-EM-A15-155		15W	
T1-EM-A20-155		20W	
T1-EM-A30-155		30W	
T1-EM-A8-230	156-230Vdc	8W	
T1-EM-A15-230		15W	
T1-EM-A20-230		20W	
T1-EM-A30-230		30W	

FUNCTION

AC Operation, Indicator light will stay ON

Emergency Operation, Indicator light will flash slowly (light ON for 2 seconds, light OFF for 2 seconds)

Failure, Indicator light will flash quickly (light ON for 0.2 seconds, light OFF for 0.2 seconds)

Caution:

The emergency driver has a battery inside, prohibited for insulation voltage (I/P-O/P) test.

After test, disconnect the unit connector of the battery pack first before shipping and storing.

During storage, the battery pack needs 24 hours charging every 3 months.

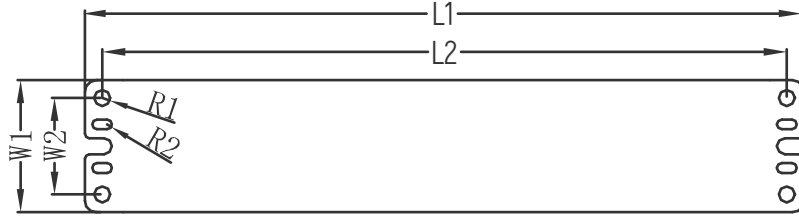


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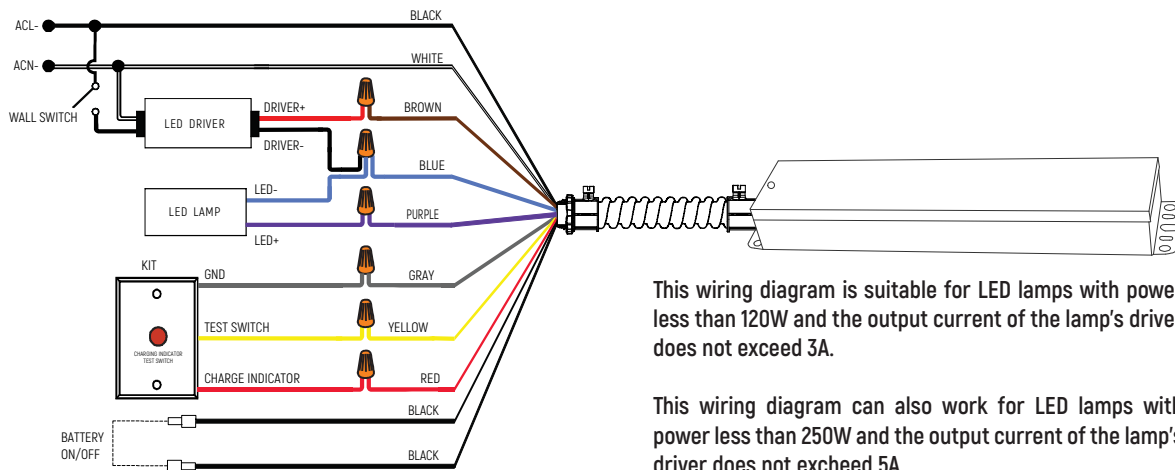
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DIMENSIONS



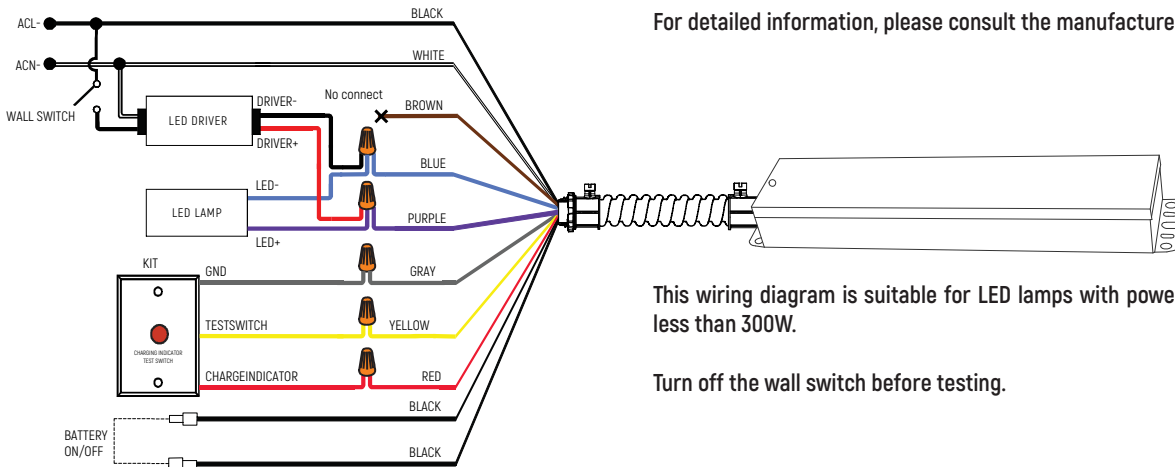
LENGTH		WIDTH		HEIGHT	RADIUS		FLEXIBLE CONDUIT	CONDUIT DIAMETER	CONNECTOR DIAMETER	WIRE LENGTH
L1	L2	W1	W2	1.48"	R1	R2	13"	0.75"	0.79"	5.51"
12.32"	11.73"	2.32"	1.65"		0.14"	0.08"				



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 can also work for LED lamps 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.



This wiring diagram is suitable for LED lamps with power less than 300W.

Turn off the wall switch before testing.

WIRING DIAGRAM

Self-Test

The emergency LED driver contains a control/monitor circuit which will perform a 40-second discharge test once a month, and a fully discharge test once a year. At this time, the unit will 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, and if the unit detects any problems, the indicator will flash quickly.

