

Emergency LED Driver

Split Design | Low Voltage | Gen 3



OPERATION

When AC power fails, OKT'S EM series emergency LED driver immediately switches to the emergency mode, operating the LEDs at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

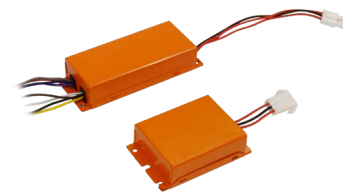
APPLICATION

Ideally to used inside the LED luminaire (100w max), like LED troffer, linear high bay, tri-proof light, etc.

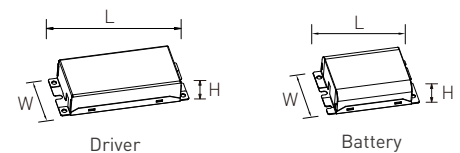
CODE-REQUIRED TESTING

More secure, more rigorous than the standard requirements.

- Initial Self-test after installation**
 It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.
- Second Self-Test In 120 Minutes**
 It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.
- Monthly Self-Test**
 It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.



DIMENSIONS



Model	L	W	H	
EM-S0854-LBN	Driver	5.08"	2.05"	0.99"
	Battery	3.47"	2.33"	0.97"

INDICATOR STATUS

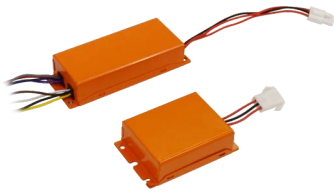
LED Indicators Status	EM Driver Status/Mode
• Solid Red ON	System OK/AC OK
• None (LED OFF)	Normal working on EM mode
• Flashing Red, 1s on/1s off (cycle)	Battery voltage is too low
• Flashing Red, 0.3s on/0.3s off (cycle)	System NG; Battery not detected, check battery connection;

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SPECIFICATION



Note:

- It works with LED fixtures for which wiring is accessible to LED module.
- Power of LED fixture \geq Power of emergency driver.
- LED Driver Output Current: 5A Max

EM-S0854-LBN

Output Power	8 Watts	Battery	Lithium
Output Voltage	15-54V DC	Recharge	24 Hrs
Input Current	70 mA (Max)	Luminaire Load Power	100W (Max)
Input Power	3.2 Watts (Max)	Dimensions	Driver: L5.08"×W2.05"×H0.99", Battery: L3.47"×W2.33"×H0.97"
Input Voltage	100-277VAC, 50-60Hz	Certificate	UL , CEC
Emergency Operation	\geq 90 Minutes	Output Class	UL LELV (Output protection self-resetting)
Standby Power	<0.4W		
Operating Temp	0°C to 50°C		

WIRING DIAGRAM

