



UEM

Self-Test 3W universal emergency module UEM

The Universal Emergency Module (UEM) with Automatic Self-Test (AST) is suitable for class III luminaires with integrated LEDs and separate LED drivers. The DC voltage output is adjusted within the UEM's limits to the level required to operate the luminaire load and then the current is limited to ensure an operation time of three hours. This gives a typical power output of 3W but will depend on the characteristics of the luminaire. The UEM can be installed within a luminaire or within the ceiling void. In the event of a power cut the replaceable internal lithium-ion battery will supply the luminaire through a connection that must be made between the LED driver output and LED luminaire input.

CEW03LIL/S ()

Specification

Battery Warranty	4 Years
Notes	Compatibility with luminaires should be verified before committing to an installation. Not suitable for use on a battery supply with a trickle or intermittent re-charging circuit. The emergency module is not protected against supply voltage polarity reversal.
Output Characteristics	Load Voltage 20V, Output Current 105mA, Output Wattage 2.1W (25V, 105mA, 2.6W) (30V, 106mA, 3.2W) (35V, 102mA, 3.6W) (40V, 87mA, 3.5W) (45V, 76mA, 3.4W) (50V, 67mA, 3.4W) (55V, 59mA, 3.3W) (58V, 55mA, 3.2W)

UEM/EME

UEM/EME Input Voltage	220-240Vac 50-60Hz
UEM/EME Input Current (Max) (mA)	35
UEM/EME Output Wattage (W)	2.1-3.6W (typical 3W)
UEM/EME Output Voltage	20-58Vdc
UEM/EME Output Current (mA)	50-110
UEM/EME Open Circuit Voltage	60Vdc
UEM/EME Maximum Working Voltage	58Vdc
UEM/EME Protection	IP20, Class II, Independent Driver
UEM/EME Input to Output Protection	Double Insulation
UEM/EME Battery	Li-Ion KBAT2600
UEM/EME Battery Voltage	7.2V
UEM/EME Battery Capacity	2600 mAh
UEM/EME Battery Charge Voltage	8.5Vdc
UEM/EME Battery Charge Current (mA)	30-210
UEM/EME Battery Discharge Voltage	6.0-8.4 Vdc
UEM/EME Battery Discharge Current (mA)	600-700
UEM/EME Charging Time	12 h
UEM/EME Battery Life	4 Years

UEM/EME Emergency Conversion time	1 s
UEM/EME Emergency Operation time	>3h
UEM/EME Test Function	Automatic and Manual
UEM/EME Dimensions L x W x D (mm)	230 x 46 x 26
UEM/EME Maximum Case Temperature (°C)	75
UEM/EMEAmbient Temperature Range (°C)	0 to 45
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Technical Drawings

