



UEM

Standard 3W universal emergency module UEM

The Universal Emergency Module (UEM) is suitable for class III luminaires with integrated LEDs and separate LED drivers. The UEM will supply the luminaire with up to 3W of power for three hours. The UEM will adjust the DC voltage output within the UEM's limits to the level required to operate the luminaire and then adjust the current to limit the power to a maximum of 3W to ensure operation time of three hours. The UEM has a replaceable internal lithium-ion battery and can be installed within a luminaire or within the ceiling void to provide a back-up supply in the event of a power cut. The UEM requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the UEM will supply the luminaire through a connection that must be made between the LED driver output and LED luminaire input.

CEW03LIL/N ()

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 18V, Output Current 126mA, Output Wattage 2.3W (23V, 122mA, 2.8W) (28V, 116mA, 3.2W) (33V, 103mA, 3.4W) (38V, 86mA, 3.3W) (43V, 74mA, 3.2W) (48V, 64mA, 3.1W) (53V, 56mA, 3W) (54V, 55mA, 3W) (55V, 53mA, 2.9W) (56V, 52mA, 2.9W)

UEM/EME

UEM/EME Input Voltage	220-240Vac 50-60Hz
UEM/EME Input Current (Max) (mA)	35
UEM/EME Output Wattage (W)	2.3-3.3
UEM/EME Output Voltage	9-58Vdc
UEM/EME Output Current (mA)	50-130
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	Manual
UEM/EME Dimensions L x W x D (mm)	230 x 46 x 26
UEM/EME Maximum Case Temperature (°C)	75
UEM/EME Ambient Temperature Range (°C)	0 to 45
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Technical Drawings

