



CEW03LIL/N

3W Independent Universal Emergency Module



Product Overview

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.

Features

For class III luminaires with integrated LEDs and separate LED drivers

For maintained or non-maintained emergency lighting systems

Conforms to EN 61347-1 and EN 61347-2-7

Supplied with plug-in Three-Way Connector with DC jacks that can also be wired via internal terminals

Suitable for use in luminaires for high-risk task area lighting

Voltage change-over threshold according to EN 60598-2-22

3 hours rated duration

Internal Li-Ion battery for improved lifespan allowing frequent partial discharge without capacity reduction

Over-charge, over-current, short-circuit and deep discharge protection for battery

Green charging status LED

Specifications

Colour Finish	Black
Input Current (mA)	35
Input Voltage	220-240Vac 50-60Hz
IP Rating	IP20
Class Protection	Class II
Input to Output Protection	Double Insulation
Output Wattage (W)	2.3-3.3
Output Voltage (Vdc)	9-58
Output Current (mA)	50-130
Open Circuit Voltage (Vdc)	60
Maximum Working Voltage (Vdc)	58
Length (mm)	230
Width (mm)	46
Depth (mm)	26
Maximum Case Temperature (°C)	75
Ambient Temperature (°C)	-10 to 45
Emergency Conversion Time (seconds)	1
Emergency Operating Time (hours)	> 3
Test Function	Manual
Battery Code	KBAT2600
Battery Voltage (V)	7.4
Battery Capacity (mAh)	2600
Battery Type	Li-Ion
Battery Charge Voltage (Vdc)	8.5
Battery Charge Current (mA)	30-210

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Battery Discharge Voltage (Vdc)	6.0-8.4
Battery Discharge Current (mA)	600-700
Battery Life (years)	4
Charging Time (hrs)	12
Barcode	5060063426617

Packaging

Outer Box Length (mm)	280
Outer Box Width (mm)	270
Outer Box Height (mm)	250
Volume	0.0189
Box Quantity	20
Outer Box Weight (kg)	6.5

Output Characteristics

Load Voltage	Output Current	Output Wattage
18V	126mA	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

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