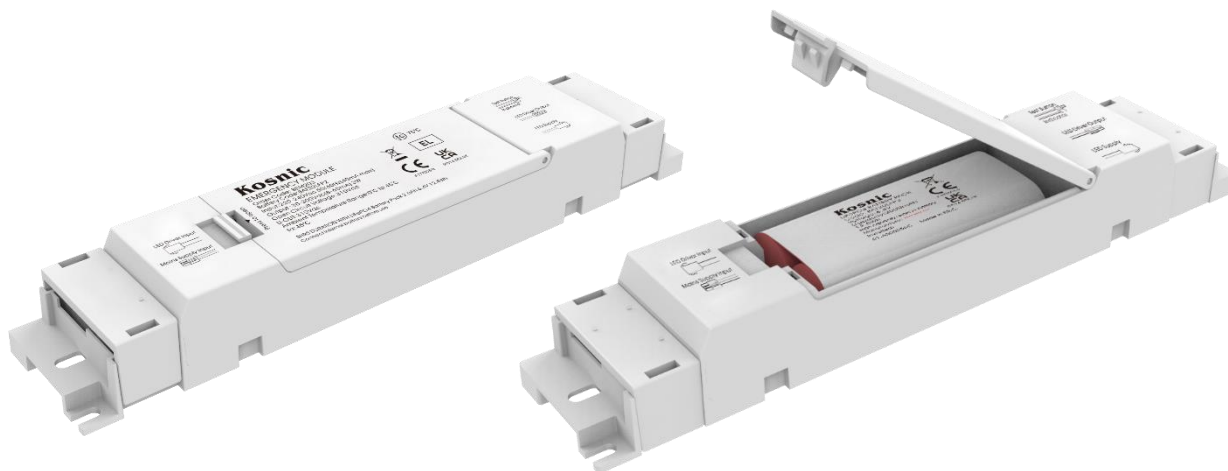


Standard/Self-test 3W emergency module for Kosnic LED batten luminaires



Overview

The Emergency Module for LED Batten Luminaires has been designed for easy installation in a range of Kosnic LED batten luminaires. Kosnic LED batten datasheet will state if the luminaire is compatible with this model of emergency module. The emergency module will adjust the output within the module's limits to the level required to operate the luminaire and ensure an operation time of three hours. The emergency module has a replaceable lithium-ion battery.

The Self-Test version of the UEM incorporates AST technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

Features

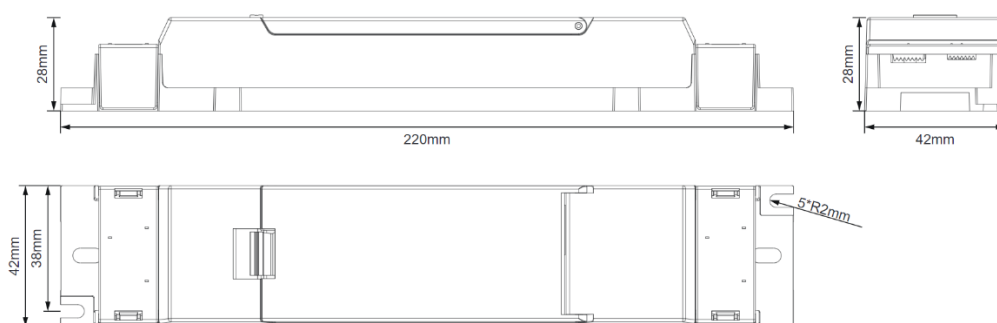
- For Kosnic LED battens, where specified on the batten datasheet.
- For maintained or non-maintained emergency lighting systems
- Designed for easy installation.
- Automatic Self-Test (AST) technology conforming to EN 62034.
- 3 hours rated duration.
- LiFePO4 battery for improved lifespan allowing frequent partial discharge without capacity reduction.
- Easy battery replacement.
- Patented adaptive current control.
- Suitable for LED loads with forward voltage between 30-300Vdc.

Specifications

Order Code	BEM203	BEM203/ST
ID	07190	07191
Input Voltage	220-240 Vac 50/60 Hz	220-240 Vac 50/60 Hz
Input Current	40 mA	40 mA
Battery Output Wattage (max)	3W	3W
Output Voltage	30-300 Vdc	30-300 Vdc
Output Current	8-65 mA	8-65 mA
Open Circuit Voltage	310 Vdc	310 Vdc
Maximum Working Voltage	310 Vdc	310 Vdc
Protection	IP20, For built-in installation	IP20, For built-in installation
Input to Output Protection	Double Insulation	Double Insulation
Battery	LiFePO4 BAT20LFP2	LiFePO4 BAT20LFP2
Battery Voltage	6.4 V	6.4 V
Battery Capacity	2000 mAh	2000 mAh
Battery Charge Voltage	8.0 Vdc	8.0 Vdc
Battery Charge Current	30-250 mA	30-250 mA
Battery Discharge Voltage	5.8-8.0 Vdc	5.8-8.0 Vdc
Battery Discharge Current	400-500 mA	400-500 mA
Charging Time	24 h	24 h
Battery Life	4 Years	4 Years
Emergency Conversion Time	1 s	1 s
Emergency Operation Time	>3 h	>3 h
Test Function	Manual	Automatic and Manual
Length x Width x Depth	220 x 42 x 28mm	220 x 42 x 28mm
Weight	230 g	230 g
Maximum Case Temperature	75 °C	75 °C
Ambient Temperature Range	0 to 45 °C	0 to 45 °C

Note: 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.

Dimensions



Wiring Diagram

