

## Emergency Module for High Bay LED Luminaires

Please read these instructions thoroughly before use and retain for future reference.

The Kosnic high bay emergency module is designed for use with for Kosnic LED high bay luminaires.

Products Covered:

EMHB08

### Safety Information

- Installation must be carried out in accordance with national building and wiring regulations.
- If you are in any doubt about installing this product, please consult a qualified electrician.
- Before commencing installation and maintenance, turn off and isolate the circuit(s) to be worked on by removing the fuse or switching the circuit breaker off at the distribution board.
- When cutting holes, drilling, or screwing beware of joists and take care not to damage existing wiring or pipework.
- This product is suitable for connection to a 220-240Vac 50/60Hz supply.
- This is a **Class I** independent driver requiring an Earth and is **IP65** rated for indoor or outdoor use.
- 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.
- Insulation between supply and battery circuit is double insulation.
- Compatibility with non-specified luminaires should be verified before committing to an installation.

### General Installation Information

- The diagram below shows a typical installation.
- The optional emergency module provides power in the event of a cut in the supply and must be wired to the un-switched permanent supply through the un-switched Live terminal (L1).
- Write the commissioning date on the emergency module where it can be seen.
- Stick the Maintained or Non-Maintained emergency luminaire label on the luminaire where it can be seen.
- The emergency module must be wired to a non-switched mains supply:

**Permanent Unswitched Live (Black) = Live (L1)**

**Live (Brown) = Live (L)**

**Neutral (Blue) = Neutral (N)**

**Earth (Green/Yellow) = Earth (⊕)**

- The mains output from the emergency module to the luminaire should be connected to the terminals in the connector on the luminaire:

**Live (Brown) = Live (L)**

**Neutral (Blue) = Neutral (N)**

**Earth (Green/Yellow) = Earth (⊕)**

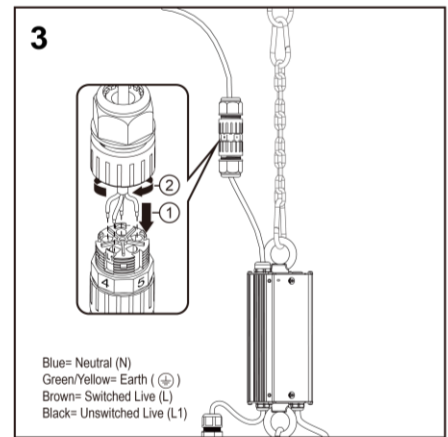
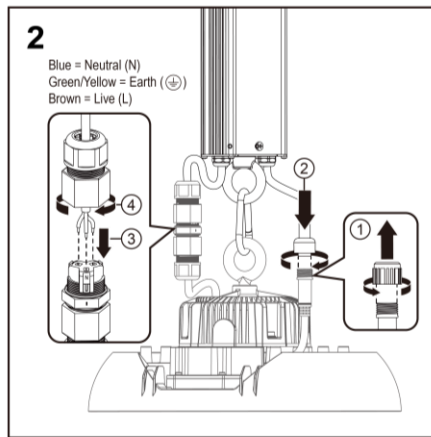
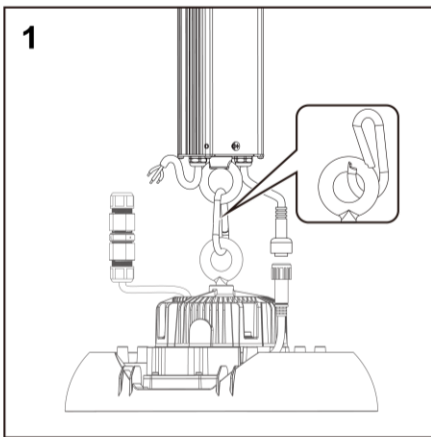
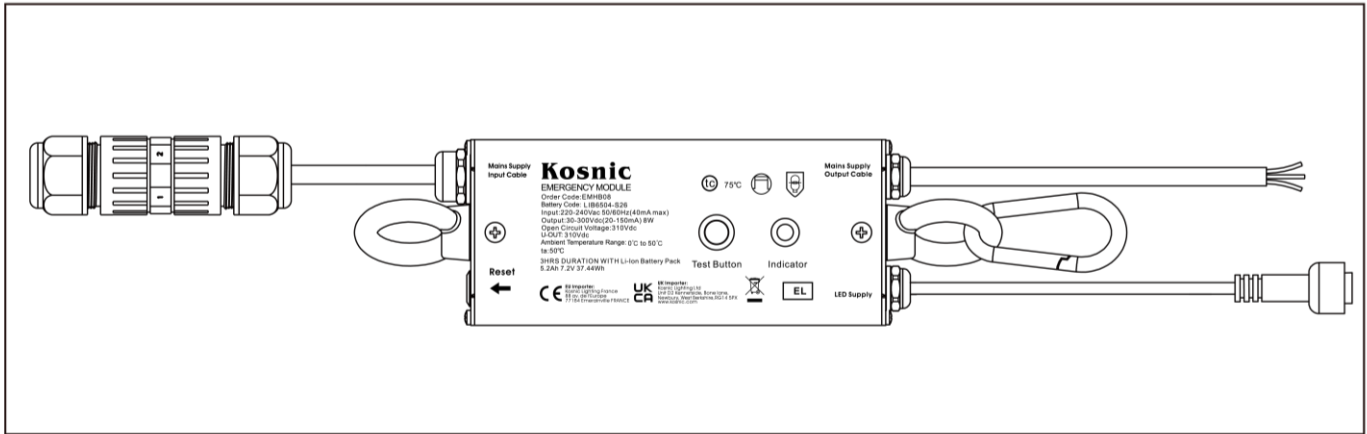
- Connect the emergency output from the module to the luminaire.
- Ensure all electrical connections are tighten, with no loose strands and tighten cable glands.
- Reconnect the supply.
- The battery leaves the factory in a charged state but may take up to 24 hours to fully charge for a 3-hour test. Charge for 5 minutes before performing a functional test to ensure there is some charge in the battery.
- To fully test the emergency function, the un-switched supply will need to be switched off. A quick functional test can be performed by pressing the test button.
- Please note that press the reset button will OFF the emergency light.
- The battery in this emergency module is not intended to be replaced. Replace the emergency module when the luminaire fails to meet the 3-hour duration requirement in testing.

### Disposal

- Do not dispose of the emergency module into household waste. At the end of its service life the emergency module should be disposed of at a local collection point for the recycling of electrical and electronic equipment.
- Battery packs should be discharged and recycled or disposed of separately and in an environmental-friendly manner.
- Defective or used batteries must be recycled according to EU directive 2006/66/EC and The Batteries and Accumulators (Placing on the Market) Regulations 2008 (UK)



## Typical Installation Diagram



## Specifications

<b>Order Code</b>	<b>EMHB08</b>
<b>Input Voltage</b>	220-240 Vac 50/60 Hz
<b>Input Current</b>	40 mA
<b>Battery Output Wattage (max)</b>	8 W
<b>Output Voltage</b>	30-300 Vdc
<b>Output Current</b>	20-150 mA
<b>Open Circuit Voltage</b>	310 Vdc
<b>Maximum Working Voltage</b>	310 Vdc
<b>Protection</b>	IP65, Class I, Independent Driver
<b>Input to Output Protection</b>	Double Insulation
<b>Battery</b>	Li-Ion BAT26LI4
<b>Battery Voltage</b>	7.2 V
<b>Battery Capacity</b>	5200 mAh
<b>Battery Charge Voltage</b>	9.0 Vdc
<b>Battery Charge Current</b>	65-780 mA
<b>Battery Discharge Voltage</b>	6.0-8.2 Vdc
<b>Battery Discharge Current</b>	1000-1300 mA
<b>Charging Time</b>	24 h
<b>Battery Life</b>	4 Years
<b>Emergency Conversion Time</b>	1 s
<b>Emergency Operation Time</b>	>3 h
<b>Test Function</b>	Manual
<b>Length x Width x Depth</b>	273 x 73 x 50 mm
<b>Weight</b>	1.50kg
<b>Maximum Case Temperature</b>	75 °C
<b>Ambient Temperature Range</b>	0 to 45 °C



The Waste Electrical & Electronic Equipment Regulations (WEEE) require that products bearing this symbol must not be disposed of with household waste as they may contain substances harmful to the environment. The Local Authority can provide advice on recycling.