

ENLITE

EN-LPEM1 EMERGENCY PACK

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION
LEAVE A COPY FOR THE USER / MAINTENANCE ENGINEER FOR FUTURE REFERENCE

Important Installation Information

To comply with regulations, installation must be carried out by suitably qualified competent person and in accordance with the current IEE wiring regulations (BS7671) and building regulations. The emergency pack requires 2 live feeds, A permanent supply for charging the battery pack and 1 for switching of the lamp.

Features

- For use with LED panels, arrays or down lights of compatible voltage.
- External battery connector for simple isolation
- 3-pole isolation of lamp & mains driver power during emergency
- Contains replaceable 3 x 4Ah Nickel Cadmium (NiCd) or 4 x 4Ah Nickel Metal Hydride (NiMH) battery (See product label)
- Emergency output power (Typical) : 3W (3-cell) and 4W (4-cell)
- 1 or 3-hour autonomy (See product label)
- Battery connectors are polarity protected

Emergency Lighting 'Standard' or 'Manual' Test

The following minimum inspections and tests should be carried out:

Monthly: Switch off the mains power supply to the lighting unit. Inspect all emergency lights for satisfactory operation. Any defects should be noted and actioned by a competent person as soon as possible.

Yearly: Switch off the mains power supply to the lighting unit. Leave the unit to run for the rated period (e.g. three hours). The lights should remain operable from the battery for the whole period.

Please be aware that further inspection / testing may be required, e.g. by risk assessment / local legislation.

Batteries and Disposal

The battery has a designed service life of 4 years and must be replaced in a timely manner to ensure the integrity of the emergency lighting system is maintained. In any case, the battery should be replaced with when it no longer provides the rated duration (3 hours).

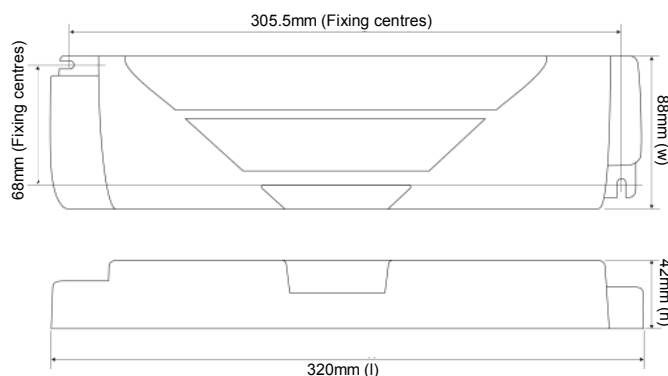
The manufacturer of the enclosure is committed to fulfil its obligations as a producer of batteries used in emergency lighting applications. End-of-life batteries may either be returned to the remote enclosure manufacturer at the customers cost and arrangements will be made to ensure their correct disposal. Alternatively it may be more convenient for the customer to deliver end-of-life batteries to site(s) of authorized treatment facilities at their cost and it will be ensured that they are accepted back and subsequently treated to the standard required by the regulations.

Product Specification

Mains voltage	230V +/- 10%
Mains frequency	50 - 60Hz
Power Consumption (Excluding external Driver)	4VA
2 x user-serviceable fuses internal fuses	T' 2A 5x20mm
Emergency output voltage range	(See product label)
Emergency Duration	(See product label)
Battery	(See product label)
Ambient temperature range	+5°C to +35°C
Min/Max Conductor sizes	0.5-4mm ²
Weight	0.7kg
Charging time	24 hours
Protection class	1
Degree of protection	IP20
Material	UL94 V0 Polycarbonate
Em module complies with	BS EN 61347-2-7/2-13

Suitable for installation to EN50172 and BS7671

The unit provides reinforced insulation between the mains supply and battery charging circuit and employs self-resetting protection against short-circuit of battery terminals. Normal charging will resume automatically once a fault is removed.



Environmental Protection (W.E.E.E.) – Enlite's WEEE Reg.No. WEE/BG0130YX (UK Only)



Waste Electrical & Electronic Equipment Regulations (WEEE) requires that any of our products showing this marking (left) must not be disposed of with other household or commercial waste. Enlite does not levy any WEEE disposal charges to its customers for affected WEEE related products. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate any such product from other waste types and recycle it responsibly at your local facilities. Check with your Local Authority, Recycling Centre or retailer for recycling advice. If, when you purchased any Enlite product, your supplier included a WEEE disposal fee, you should then contact your supplier for advice on his take back of the product for the correct disposal.

WARRANTY

This product is guaranteed for a period of 1 years from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, and removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the National Wiring Regulations. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Enlite does not accept responsibility for any installation costs associated with the replacement of this product. This warranty is in addition to the statutory rights in your country of purchase. Enlite reserves the right to alter specifications without prior notice.

Enlite

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Document version – EN-LPEM1_V1_15

Installation

Ensure the mains supply is isolated before attempting installation!

Please refer to the below diagram for mains supply, driver and lamp connections. Once wiring is complete, use both internal cable clamps to secure cables in place and to prevent unauthorised access, ensure the lid is fixed in place using the screw on the base.

If external plug and socket connectors are used without means to prevent accidental disconnection, the remote box should be sited so that it is protected from unauthorised disconnection.

A recessed mount can be found inside the packaging carton to assist installation of the indicator LED. A 14-16mm hole should be drilled in the required location so it is visible during normal use.

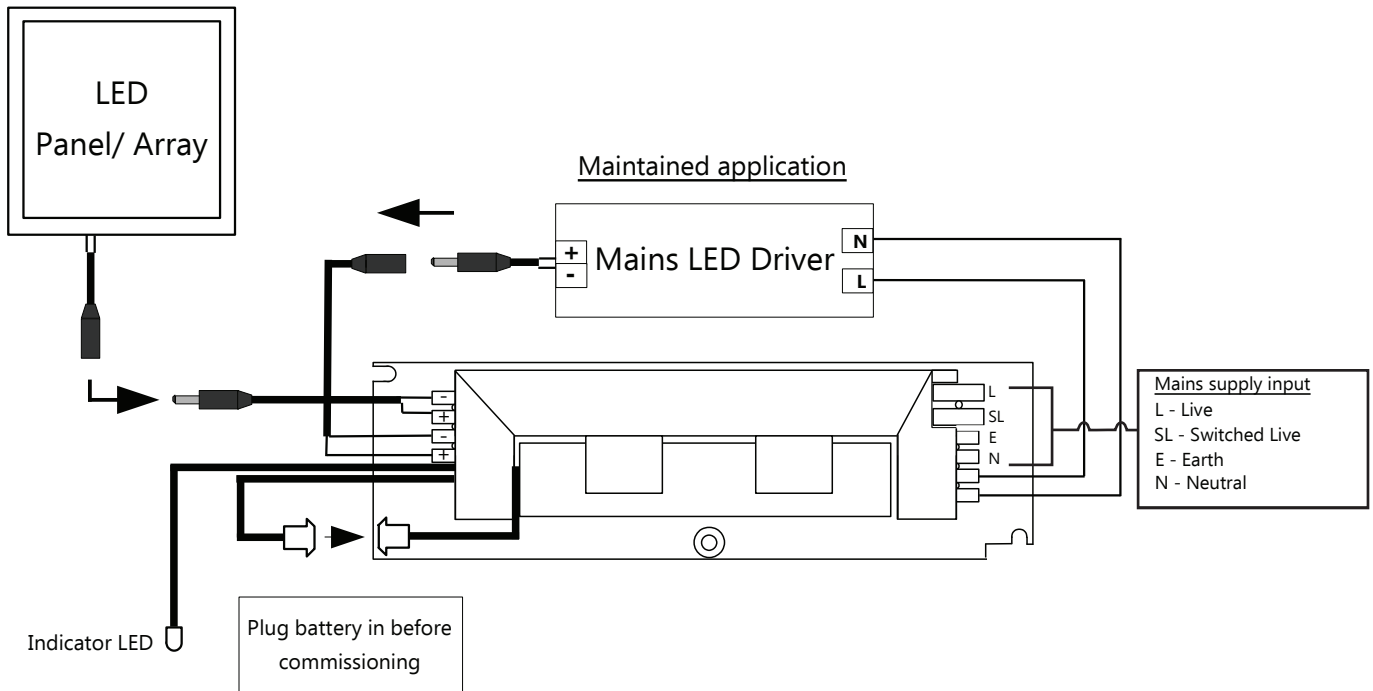
Once installed, the indicator LED will be illuminated and the supply should be left undisturbed for a minimum of 24 hours to charge the batteries before attempting a commissioning test. After a successful test, the date should be noted on the space provided on the battery.

A service record is provided at the bottom of this document for recording subsequent tests.

Standard / single colour (green) shows the following condition:

A green LED shows the following conditions:

- LED green: mains OK and battery connected
- LED off: Mains failure [below 160V], battery disconnected/ battery faulty or faulty unit.



Please note: For EN-FP1260 - Connect L/N from the driver sock pack to the EM pack but only plug one output from the sock pack into the EM pack and the other direct to the panel.

Emergency Installation and Inspection

Installation / Test Record	Serial / Luminaire Number:			
	Installed By:		Date:	
	Commissioned By:		Date:	

	Year 1		Year 2		Year 3		Year 4*	
Monthly test	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

*The battery must be replaced