

### EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/GA0248QZ.

WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

### INDUSTRIAL BATTERIES:

Within certain products Eterna Lighting Ltd places lead acid, lithium ion, nickel cadmium & nickel metal hydride batteries on the market. Industrial batteries are subject to waste regulation under the Waste Batteries and Accumulators Regulations 2009 and should be disposed of responsibly. Purchasers may be able to dispose of their waste industrial batteries locally via legitimate licensed trade waste contractors. Eterna is obliged to take back, free of charge and within a reasonable time, waste industrial batteries of the same chemistry supplied to a Purchaser, for treatment and recycling and is required to do this in any calendar year new industrial batteries are placed on the market. In certain circumstances, this may include batteries not originally supplied by Eterna. If any Purchaser requires Eterna to take back Industrial batteries, they should write to the Operations Director, Eterna Lighting Ltd, Huxley Close, NN8 6AB, who will then advise on the necessary arrangements for the receipt, proper treatment and recycling of, the waste industrial batteries.

### REPLACEMENT BATTERY TYPE:

3.2V 1500mAh Lithium-ion battery.

### CLEANING:

Clean this fitting only with a soft dry cloth.

Do not use any chemical or abrasive cleaners.

### IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.

### LAMP REPLACEMENT:

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

### BATTERY REPLACEMENT:

If after routine operation check, the lamp does not remain lit for the three hour period, a new battery pack may be required.

- 01) Switch off the electricity at the mains and allow batteries to fully discharge then reconnect to supply and allow charging for 24 hours.
- 02) Test again for 3 hours, if light does not remain lit, then change the battery as follows:
- 03) Remove input terminal cover and isolate the mains supply by disconnecting the live and neutral feed from the terminal block.
- 04) Remove output terminal cover and unplug the battery lead and LED downlight lead.
- 05) Remove the back cover by lifting off with a screwdriver.
- 06) Remove the tray from the casing and pop out the battery cover and battery from tray.
- 07) Replace with new battery and place tray back into casing.
- 08) Plug in battery lead & LED downlight Lead.
- 09) Write commissioning date on battery.
- 10) Replace back cover.
- 11) Reconnect mains supply and allow charging for 24hr.
- 12) Perform full operation check and update test record.

 **Eterna**  
Everyday Lighting For Professionals

## INSTALLATION INSTRUCTIONS

### A guide for qualified electricians



Model:

**KEM3LIDL / LDLEM3LI**

**Lithium-ion Non Maintained Emergency LED Downlight**

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION  
AND RETAIN FOR FUTURE REFERENCE**



Email: [sales@eterna-lighting.co.uk](mailto:sales@eterna-lighting.co.uk) / [technical@eterna-lighting.co.uk](mailto:technical@eterna-lighting.co.uk)

Visit our website: [www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

Made in China

## READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This product must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

Only use downlight with the battery pack provided. **DO NOT CONNECT DIRECTLY TO THE MAINS.**

This unit is suitable for indoor use only.

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene & textiles). Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

Do not cover the fitting or battery pack with any insulating materials.

The battery pack / LED module should be placed where it cannot come into contact with water or moisture.

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened on to the bared conductors and not onto any insulation.

This product is double insulated. **DO NOT CONNECT ANY PART TO EARTH.**

This product is not intended to be used by children and persons with sensory, physical and/or mental impairments that would prevent them from using it safely.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations.

The batteries supplied with this fitting are a consumable part and therefore may be outside of any warranty offered.

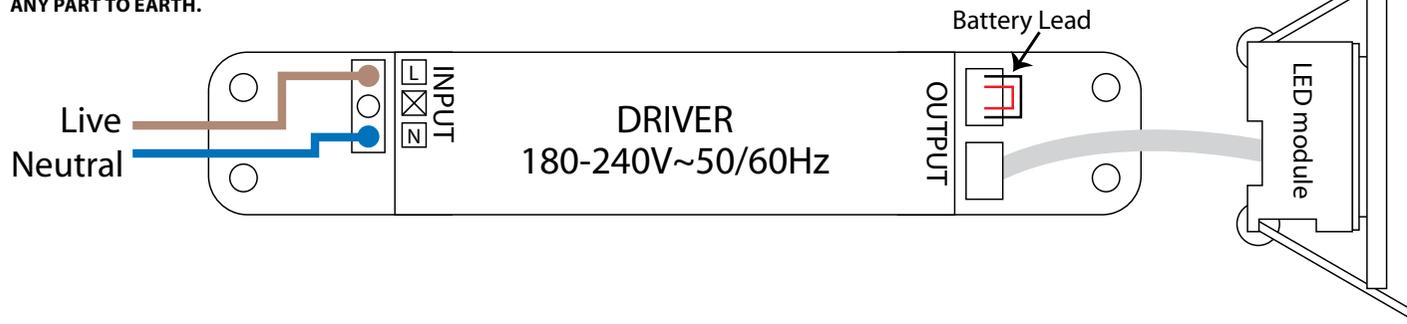
## INSTALLATION:

Choose the location for the new fitting taking the above points into consideration.

- 1) Mark the locations of your downlight and then using an appropriate hole cutter, make a 50mm diameter hole.
- 2) Prepare the route for the mains cable and feed through the hole and make the connections to the input side of the battery pack.
- 3) Remove base cover, write commissioning date on battery and replace cover.
- 4) Remove output terminal cover and connect the battery lead.
- 5) Ensure the spring clips on either side of the luminaire are facing upwards. Feed the luminaire into the hole in the ceiling ensuring it is flush to the mounting surface.

**Do not enlarge hole to make fitting easier.**

- 6) Restore the power and check fitting is working correctly. The LED will illuminate green on normal operation, which indicates the fitting is charging. On mains power failure the LED will illuminate white light continuously for a minimum of 3 hours.



## OPERATION CHECKS:

Periodic testing should be carried out to ensure emergency lighting is operating correctly. Interruption of the supply, causing the fitting to be energised from the battery, should be carried out by the operation of a local keyswitch or other isolation device. During this period all fittings should be examined visually to ensure that they are functioning correctly. At the end of the test period the supply shall be restored and all indicator lamps or devices checked to ensure that the normal supply has been restored.

### DAILY:

Visual inspection of the battery charge LED.

### EACH MONTH:

Isolate the power supply for a period sufficient to ensure that each lamp is illuminated. Endorse the test record form supplied.

### ONCE EACH YEAR:

Isolate the power supply and check that the light is still illuminated after 3 hours. Endorse the test record form.

Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing of the emergency lighting system or during the subsequent recharge period, all full duration tests shall wherever possible be undertaken preceding time of low risk to allow for battery recharge.

**NOTE: please keep this instruction booklet and the test record in a safe place. A fire officer or other authorised person may want to see your record of inspection and testing.**

