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 February 2014). 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.

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.

1) Switch off the electricity at the mains and allow batteries to fully discharge then reconnect to supply and allow charging for 24 hours.
2) Test again for 3 hours, if light does not remain lit, then change the battery pack as follows:
3) Isolate from mains supply & remove output terminal cover on emergency control gear and unplug the battery plug lead from the socket and re-plug the new battery.
4) Restore power and allow charging for 24 hours.
5) Perform full operation check and update test record.

REPLACEMENT BATTERY TYPE:

3.2V 1500mAh Li-Ion.

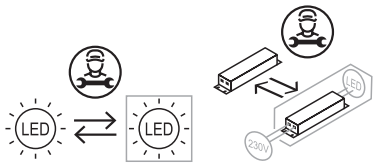
CLEANING:

Disconnect the power and clean the exterior only of this fitting with a moist (not wet) 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.



See website for more information on replacability and recycling

Li-ion

Email: sales@eterna-lighting.co.uk / technical@eterna-lighting.co.uk

Visit our website: **www.eterna-lighting.co.uk**

Issue 0723

Made in China

Eterna

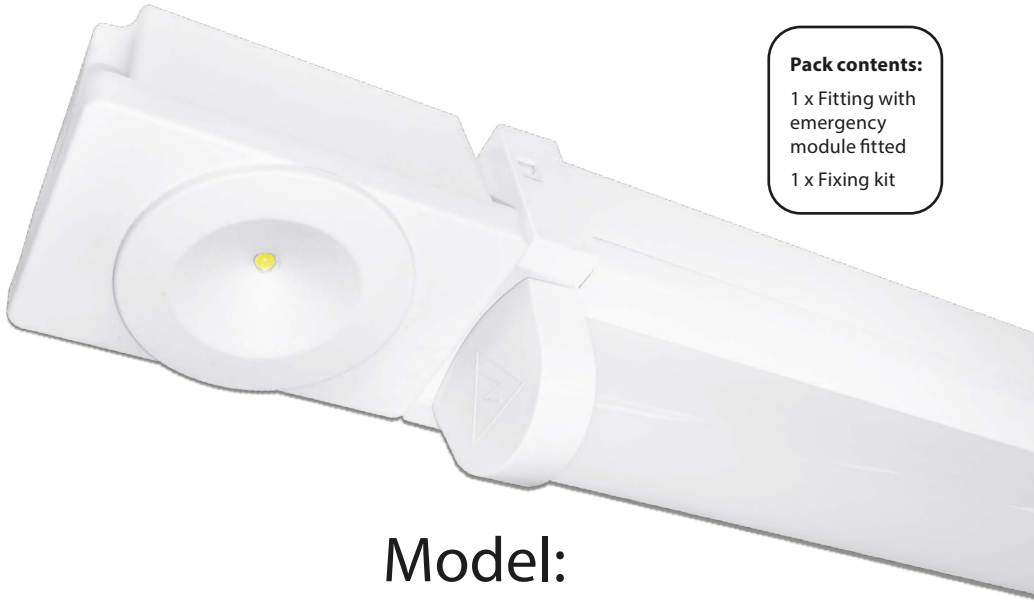
Everyday Lighting For Professionals

V2

INSTALLATION INSTRUCTIONS

A guide for qualified electricians

3 HOURS DURATION IN EMERGENCY MODE



Pack contents:

1 x Fitting with emergency module fitted

1 x Fixing kit

Model:

4ft, 5ft & 6ft Li-Ion Emergency LED Battens

BATL4FTEM3 / BATL5FTEM3 / BATL6FTEM3

5ft & 6ft Li-Ion Emergency High Output LED Battens

BATL5HOEM3 / BATL6HOEM3

These instructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE

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.

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal service. Using this fitting in any other environments may result in a shortened working life, for example where there is prolonged periods of use or higher than normal ambient temperatures.

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

Disconnect the driver from the electrical supply before flash or high voltage testing.

Do not connect to a circuit which also has inductive loads connected; switching of inductive loads will generate spikes which may damage electronic components within your driver.

This unit is suitable for indoor use only.

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

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Make sure that the fixings are strong enough to support the considerable weight of the fitting and hold it rigidly.

The chosen location of your new fitting should allow for the product to be securely mounted (e.g. to a ceiling joist) and safely connected to the mains supply (lighting circuit).

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

This product must be connected to earth termination.

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.

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.

EMERGENCY DOWNLIGHT SPECIFICATION:

EBLF: 0.92

INSTALLATION:

01. Choose location of your new fitting giving consideration to all of the conditions listed above and the position of the entry points for the mains cable supply.

02. Carefully detach the LED tray from the main housing.

03. Unclip the gear tray retaining straps, disconnect the driver plug and detach the earth spade; set the LED tray aside.

04. Using the back of the fitting as a template, mark the location of the fixing holes on your mounting surface.

05. Thread the supply cable through the large grommet hole in the back of the fitting.

06. Secure the fitting in place using suitable fixings and ensure that cables are not trapped behind or inside the fitting.

07. Make the connections of the supply cable to the terminals inside the fitting following the colour coding below:

PL	Permanent Live (Brown)
SL	Switched Live (Brown)
⏚	Earth (Yellow/Green)
N	Neutral (Blue)

08. Clip the gear tray retaining straps back to the LED tray, re-connect the driver plug to the tray and re-attach the earth spade.

09. Remove output terminal cover on emergency control gear and connect the battery lead. Write the commissioning date on the battery then replace cover.

10. Attach the LED tray, taking care that no cables are trapped between the tray and housing.

11. Restore power and switch on.

12. The emergency downlight will illuminate green on normal operation which indicates the battery is charging. On mains power failure the emergency LED will illuminate white light continuously for a minimum of three hours.

Eterna

www.eterna-lighting.co.uk

INSTALLATION, MAINTENANCE AND OPERATION CHECK RECORD

Product Code:	Product Description:
Product Location:	
Installation Date:	Installation Test Duration:
Installed By:	

Month	Test	Year:		Year:		Year:		Year:		Year:	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
01	Short										
02	Short										
03	Short										
04	Short										
05	Short										
06	Short										
07	Short										
08	Short										
09	Short										
10	Short										
11	Short										
12	3 Hour Endurance										

LED LAMP SPECIFICATIONS:	4FT	5FT	6FT	5FT HIGH OUTPUT	6FT HIGH OUTPUT
Luminaire lumens (with diffuser)	**2950 lm**	**4750 lm**	**6050 lm**	**7500 lm**	**8400 lm**
Lumens from chip (no diffuser)	**3295 lm**	**5280 lm**	**6785 lm**	**8360 lm**	**9450 lm**
Useful lumens	**2850 lm**	**4600 lm**	**5800 lm**	**7300 lm**	**8200 lm**
Rated Wattage	23W	38W	48W	60W	65W
Rated luminous flux	2850 lm	4600 lm	5800 lm	7300 lm	8200 lm
Nominal life time of the lamp	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
Colour temperature	4000K	4000K	4000K	4000K	4000K
Number of switching cycles before premature lamp failure	≥15,000	≥15,000	≥15,000	≥15,000	≥15,000
Warm-up time up to 60% of the full light output	Instant full light	Instant full light	Instant full light	Instant full light	Instant full light
Dimmable	No	No	No	No	No
Nominal beam angle	120°	120°	120°	120°	120°
Rated power	23W	38W	48W	60W	65W
Rated lamp lifetime	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
Displacement factor	≥0.9	≥0.9	≥0.9	≥0.9	≥0.9
Lumen maintenance factor at end of nominal life	≥0.8	≥0.8	≥0.8	≥0.8	≥0.8
Starting time	<0.1s	<0.1s	<0.1s	<0.1s	<0.1s
Colour rendering	≥80	≥80	≥80	≥80	≥80
Colour consistency	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse
Rated peak intensity	1134cd	1864cd	2377cd	2857cd	3314cd
Rated beam angle	120°	120°	120°	120°	120°
Voltage / Frequency	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz
Lumen efficacy	128 lm / W	125 lm / W	126 lm / W	125 lm / W	129 lm / W
Downlight output is 160 lm in emergency mode					
This product contains a Light Source of Energy Efficiency Class D					
Not suitable for accent lighting					