

## INSTALLATION INSTRUCTIONS

A guide for qualified electricians



**Pack contents:**  
1 x Fitting  
1 x Fixing Kit

Model:

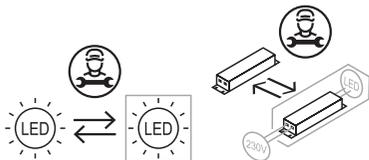
4ft, 5ft & 6ft Standard LED Battens  
**KBAT4 / KBAT5 / KBAT6**  
**VECOBAT4FT / VECOBAT5FT / VECOBAT6FT**

5ft & 6ft High Output LED Battens  
**VECOBAT5HO / VECOBAT6HO**

These instructions are provided as a guideline to assist you.  
**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION  
AND RETAIN FOR FUTURE REFERENCE**

LED LAMP SPECIFICATIONS:	4FT	5FT	6FT	VECOBAT5HO	VECOBAT6HO
Luminaire lumens (with diffuser)	<b>1800 lm</b>	<b>2400 lm</b>	<b>3400 lm</b>	<b>4000 lm</b>	<b>5200 lm</b>
Lumens from chip (no diffuser)	<b>2300 lm</b>	<b>2800 lm</b>	<b>4000 lm</b>	<b>5200 lm</b>	<b>7000 lm</b>
Useful lumens	<b>1700 lm</b>	<b>2300 lm</b>	<b>3300 lm</b>	<b>3850 lm</b>	<b>5050 lm</b>
Rated Wattage	18W	24W	32W	48W	64W
Rated luminous flux	1700 lm	2300 lm	3300 lm	3850 lm	5050 lm
Nominal life time of the lamp	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 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	18W	24W	32W	48W	64W
Rated lamp lifetime	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs	30,000 hrs
Displacement factor	0.94	0.96	0.96	0.95	0.94
Lumen maintenance factor at end of nominal life	>0.7	>0.7	>0.7	>0.7	>0.7
Starting time	<0.1	<0.5	<0.5	<0.5	<0.5
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	506cd	624cd	702cd	1005cd	1418cd
Rated beam angle	120°	120°	120°	120°	120°
Voltage / Frequency	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz
Lumen efficacy	100 lm / W	100 lm / W	106 lm / W	83 lm / W	81 lm / W
Energy efficiency class	This product contains a Light Source of Energy Efficiency Class E				

Not suitable for accent lighting



See website for more information on replaceability and recycling



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

Made in China

## SPECIFICATIONS:

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.

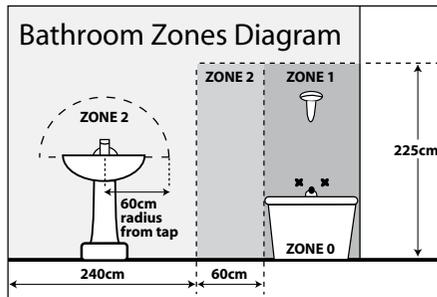
As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

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

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

This unit is suitable for indoor use only.

This product is suitable for use in living areas, and bathroom dry (outside) zones only (see diagram below and current IEE Wiring Regulations for details). It is not suitable for bathroom zones 0, 1, 2, or other areas where contact with moisture is likely. If being fitted in a bathroom a 30mA RCD must be used.



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

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.

Make sure that the fixings are strong enough to support the 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 choosing the location for your new fitting, ensure that the fixings will be anchored in a solid surface e.g. concrete, brick or a joist - do not fix directly onto panelling, cladding, plasterboard etc.

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

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.

Small children should be supervised to ensure that they do not play with this appliance.

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.

## LAMP REPLACEMENT:

### The light source is designed to last the lifetime of the luminaire.

The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.

### CAUTION, RISK OF ELECTRIC SHOCK.



## 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 remove the end caps and detach the diffuser / LED tray by pinching in 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:

Neutral – Blue

 Earth – Green and Yellow

Live – Brown

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. Attach the LED tray by siting one side of the diffuser to the main housing before securing the other side in place, taking care that no cables are trapped between the tray and housing and attach the end caps.

**NOTE:** The LED array is securely held within the diffuser however excessive pressure when re-attaching the diffuser can cause the LED array to become detached and would need to be re-sited.

10. Restore power and switch on.

## CLEANING:

Clean this product only with a soft dry cloth.

Do not use any chemical or abrasive cleaners.

## 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.

## 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.