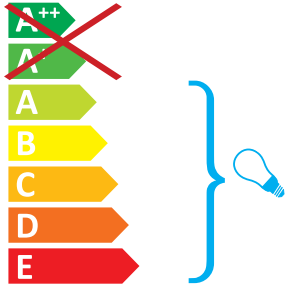


Eterna

D108 / D109
MD108 / MD109



This luminaire is compatible with bulbs of the energy classes:



This luminaire is sold with a bulb of the energy class: **A**

874/2012



LAMP SPECIFICATIONS:	D108	D109
Nominal Wattage	36W	58W
Rated Wattage	36W	58W
Average lifetime hours	10,000 hrs	10,000 hrs
Nominal useful luminous flux	3348 lm	5220 lm
Rated luminous flux	3348 lm	5220 lm
Luminous efficacy (Lm/W) in 50Hz operation	93	90
Rated lamp Lumen maintenance	2000hrs: 95% 4000 hrs: 92% 6000 hrs: 91% 8000 hrs: 90%	2000hrs: 95% 4000 hrs: 92% 6000 hrs: 91% 8000 hrs: 90%
Rated survival factors	2000hrs: 99% 4000 hrs: 97% 6000 hrs: 94% 8000 hrs: 90%	2000hrs: 99% 4000 hrs: 97% 6000 hrs: 94% 8000 hrs: 90%
Lamp dimensions (mm)	1200	1500
Cap type	G13	G13
Lamp Mercury content to an accuracy of 0.1mg	≤3.5mg	≤3.5mg
Colour rendering index Ra	85	82
Colour temperature	3500K	3500K
Ambient temperature required to achieve maximum luminous flux	25°C	25°C
Dimmable	No	No
Ballast EEI	B2	B2



INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Pack contents:

- 1 x Fitting
- 1 x G13 T8 lamp



Model:

D108 / D109 / MD108 / MD109

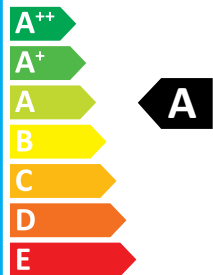
Fluorescent Light Batten

These instructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE



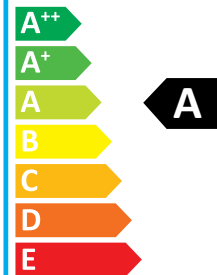
Eterna D108 / MD108



42.31 kWh/1000h



Eterna D109 / MD109



67.09 kWh/1000h



Issue 2013



FOR PRODUCT ADVICE:

- T: 01933 673 144
- F: 01933 678 083
- E: sales@eterna-lighting.co.uk

Visit our website:

www.eterna-lighting.co.uk

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 contains glass, care must be taken when assembling, fitting or handling to prevent personal injury or damage to the 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.

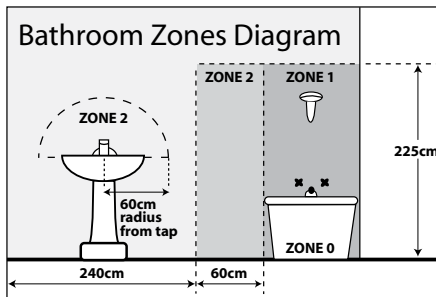
This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal domestic service. Using this fitting in any other environments may result in a shortened working life, for example where there is higher than normal ambient temperatures.

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

The lamps (bulbs/tubes) and starters supplied with this fitting are consumable parts and therefore may be outside of any warranty offered.

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 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 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.

INSTALLATION:

WARNING! Isolate mains power before commencing installation.

- 01) Remove the tube(s) by turning through 90° (¼ turn) and lifting out of the lampholders.
- 02) Remove the reflector plate – depending on the model purchased this will either require rotation of the plastic clips or loosening the screws before lifting off the reflector plate. Important: note which way up the plate is fitted.
- 03) Remove the starter(s) packed inside the fitting and fit into the starter sockets. Put the starter(s) into the socket(s) ensuring that the pins engage in the slot(s) and turn clockwise until they stop.
- 04) Thread the supply cable through the large grommet hole in the back of the fitting.
- 05) Secure the fitting using suitable fixings (not supplied). Slots are provided in the back of the fitting through which to insert screws. Ensure that cables are not trapped behind or inside the fitting.
- 06) Make the connections of the supply cable to the terminals inside the fitting following the colour coding below:

Live (L)	Brown
Neutral (N)	Blue
Earth	Yellow / Green
- 07) Replace the reflector plate and tighten screw / rotate clips to lock position. Ensure that the reflector plate is the right way up.
- 08) Re-fit the tubes by sliding the pins into the slots in the lampholders and gently rotating through 90° (¼ turn).
- 09) Restore the 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.

For breakage information visit:
www.eterna-lighting.co.uk

LAMP REPLACEMENT:

Switch off the electricity at the mains.

Remove the diffuser (if required) and remove / replace lamp as per installation instructions).

REPLACEMENT LAMP TYPE:

D108: requires 1 x 36W G13 T8 1200mm fluorescent tube 3500K (included) or energy saving alternative. Fitting is rated at 36W max.

D109: requires 1 x 58W G13 T8 1500mm fluorescent tube 3500K (included) or energy saving alternative. Fitting is rated at 58W max.