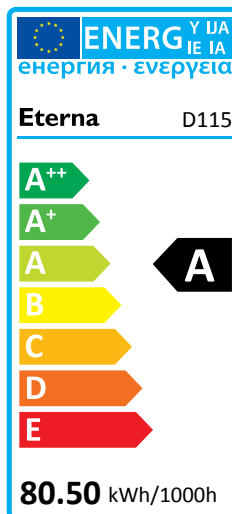
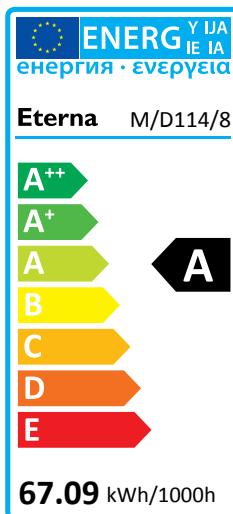
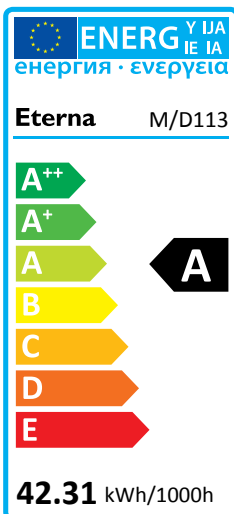


**Eterna** D113-D118  
MD113-MD118

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:	MD113/D113	MD114/D114 MD118/D118	D115
Nominal Wattage	36W	58W	70W
Rated Wattage	36W	58W	70W
Average lifetime hours	10,000 hrs	10,000 hrs	10,000 hrs
Nominal useful luminous flux	<b>3348 lm</b>	<b>5220 lm</b>	<b>6230 lm</b>
Rated luminous flux	3348 lm	5220 lm	6230 lm
Luminous efficacy (Lm/W) in 50Hz operation	93	90	89
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%	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%	2000hrs: 99% 4000 hrs: 97% 6000 hrs: 94% 8000 hrs: 90%
Lamp dimensions (mm)	1200	1500	1800
Cap type	G13	G13	G13
Lamp Mercury content to an accuracy of 0.1mg	≤3.5mg	≤3.5mg	≤3.5mg
Colour rendering index Ra	85	82	82
Colour temperature	3500K	3500K	3500K
Ambient temperature required to achieve maximum luminous flux	25°C	25°C	25°C
Dimmable	No	No	No
Ballast EEL	B2	B2	B2

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](http://www.eterna-lighting.co.uk)



## INSTALLATION INSTRUCTIONS

A guide for qualified electricians



#### Pack contents:

1 x Fitting  
1 x G13 T8 lamp

Model:

**D113 / D114 / D115 / D118**  
**MD113 / MD114 / MD118**  
**Fluorescent Light Battens With Diffuser**

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 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 prolonged periods of use or higher than normal ambient temperatures such as lighting public or shared spaces or in nursing / care home facilities.

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

Suitable for indoor use only.

This product is only suitable for use in living areas (not for areas constantly subject to moisture).

We do not recommend fitting this light in bathrooms.

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard, 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.

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).

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

If the location of your new fitting requires the provision of a new electrical supply, the supply must conform with the requirements of the latest edition of the IEE wiring regulations.

This product is designed for permanent connection to fixed wiring: this should be either a suitable lighting circuit (protected with a 5 or 6 Amp MCB or fuse) or a fused spur (with a 3 Amp fuse) via a fused connection unit. We recommend that the supply incorporates a switch for ease of operation.

Make connections to the electrical supply in accordance with the following code:

Live - Brown or Red  
Neutral - Blue or Black  
Earth - Green and Yellow

This product must be connected to Earth.

This fitting will not work without a starter or starters fitted. See installation instructions and back page for details of fitting and replacing starters.

## 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.

## CLEANING:

Clean this light 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.

For breakage information visit:  
[www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

## INSTALLATION:

- 01) Remove the diffuser, if fitted, by removing the screw from one end cap, lifting off the end cap and lifting the diffuser off the fitting.
- 02) Remove the tube(s) by gently turning through 90° (¼ turn) and lifting out of the lampholders.
- 03) Loosen but do not remove the screws that secure the reflector plate on the front of the fitting and lift off the reflector plate.

**Important:** note which way up the plate is fitted.

- 04) 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 slots and turn gently clockwise until they stop.
- 05) Thread the supply cable through the large grommetted hole in the back of the fitting.
- 06) 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.
- 07) Make the connections of the supply cable to the terminals inside the fitting following the colour coding above.
- 08) Replace the reflector plate and tighten the screws. Ensure that the reflector plate is the right way up or the diffuser (if fitted) will not fit.
- 09) Re-fit the tubes by sliding the pins into the slots in the lampholders and gently rotating through 90° (¼ turn).
- 10) If you have a diffuser, clip it back onto the fitting, replace the end cheek and tighten the screw.
- 11) Restore the power and switch on.

## TUBE REPLACEMENT:

Switch off the electricity at the mains.

Remove the diffuser, if fitted, by removing the screw from one end cap, lifting off the end cap and lifting the diffuser off the fitting. Remove the tube(s) by gently turning through 90° (¼ turn) and lifting out of the lampholders.

Fit new tube(s) by sliding the pins into the slots in the lampholders and gently rotating through 90° (¼ turn) then restore the power and turn on.

## REPLACEMENT TUBE TYPE:

**MD113 / D113** requires 1 x 36W G13 T8 1200mm fluorescent tube 3500K (included). Fitting is rated at 36W max.

**MD114 / D114** requires 1 x 58W G13 T8 1500mm fluorescent tube 3500K (included). Fitting is rated at 58W max.

**D115** requires 1 x 70W G13 T8 1800mm fluorescent tube 3500K (included). Fitting is rated at 70W max.

**MD118 / D118** requires 2 x 58W G13 T8 1500mm fluorescent tubes 3500K (included). Fitting is rated at 58W max (per lampholder).

## STARTER REPLACEMENT:

Remove the old starter(s) by rotating anti-clockwise and then withdrawing.

Replace only with starter on the same type and value.

Insert the new starter(s) into the socket(s) ensuring that the pins engage in the slots and turn gently clockwise to lock.

