

## Installation Instructions and Care

### Eventually, you may want to replace this light fitting

When your light fitting comes to the end of its life or you choose to update or upgrade it by replacing it, please do not dispose of it with your normal household waste, please recycle where facilities exist. When you need to dispose of this fitting, check with your retailer or local authority for suitable options. New 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



If you experience problems...

If your light is defective or develops a fault, please return it to the place where you bought it. You can call our Helpline for advice. The Helpline will gladly give advice on any aspect of any Eterna Lighting product but may not be able to give specific instructions regarding individual installations.

**If in doubt, consult a qualified electrician.**

#### Help Line

Tel: **01933 673 144**

Fax: **01933 678 083**

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

For all other information visit our website [www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

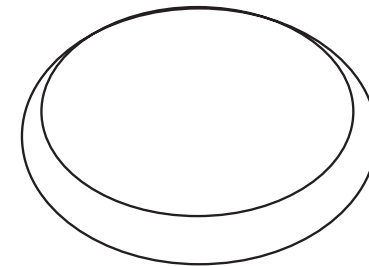


## SAFETY AND INSTALLATION INSTRUCTIONS

### Models: **16/28W DD Round Bulkhead Fitting**

CO16MS, CO16CR, CO16WH, CO28MS, CO28CR, CO28WH

**IMPORTANT!** Please read these instructions before installing your new fitting.  
Please retain for future reference.



#### **Pack Contents**

Polycarbonate Bulkhead Fitting with  
Standard Gear Tray x 1

TC-DD 16 or 28W Fluorescent Tube x 1

# General Information and Safety Instructions

## Read this first

Check the pack and make sure you have all of the parts listed. 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 light fitting must be installed by a competent person in accordance with the Building Regulations** making reference to the current edition of the IEE Wiring Regulations (BS7671). The Building Regulations may be obtained from HMSO or viewed and downloaded from [www.communities.gov.uk](http://www.communities.gov.uk) following the link for Building 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.

**If in any doubt, consult a qualified electrician.**

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal domestic service. Use of this fitting in any other environment, for example where prolonged periods of use may be expected and/or higher than normal ambient temperatures, may result in a foreshortened working life.

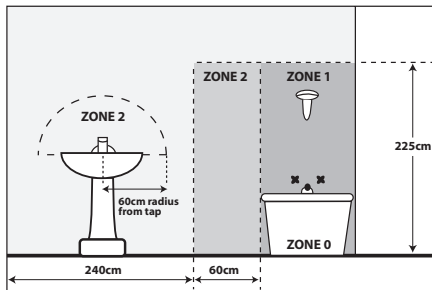
The lamps (bulbs/tubes), starters, batteries supplied with this fitting are consumable parts and therefore may be outside of any warranty offered.

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

When working at heights, please use a suitable platform.

Suitable for indoor and outdoor use.

This product is suitable for use in Bathroom Zone 2 and dry (Outside) Zones (see diagram below and current IEE Wiring Regulations for details). **If being fitted in a bathroom a 30mA RCD must be used.**



This product is suitable for installation on surfaces with normal flammability (indicated by the "F" in a triangle) 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).

If the location of your new fitting requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations making reference to the current edition of the IEE Wiring Regulations (BS7671).

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

Where this product is used to replace an existing light fitting, it will be necessary to remove any existing ceiling rose to allow clearance for installation. If this is the case, carefully note the existing position of each set of wires (see diagram below). Where more than a single set of L, N and E wires exist these must be transferred to a separate approved junction box or terminal block (not supplied) which must be insulated and placed within the ceiling.

Additional red wires may be present in your ceiling that are connected to the ring live circuit. Do not connect your fitting to these wires. If these wires are not terminated in a ceiling rose, join them together in a separate terminal block (not supplied) and place in the ceiling. Where more than a single set of L, N and E wires exist these must be transferred to a separate approved junction box or terminal block (not supplied) which must be insulated and placed within the ceiling.

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. Wrap loose terminal blocks well with insulating tape.

# Installation Instructions and Care

This product must be connected to Earth.

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 Wiring Regulations (BS7671) referred to in the Building Regulations. If in doubt, consult a qualified electrician.

## Installation

1. Choose the location for your new fitting according to the conditions listed above.
2. Hold the base of the fitting and gently turn the diffuser and decorative trim anti-clockwise and lift off.
3. Remove the fluorescent tube.
4. Loosen the three screws retaining the gear tray, turn anti-clockwise and lift out.
5. Drill holes in the back of your fitting for your fixing screws, take care and drill gently to ensure a clean hole through. Use a drill bit sized appropriately to your fixing screws (not supplied)
6. Using the back of your fitting as a template, mark the position of your fixing holes on your mounting surface.
7. Prepare the holes in your mounting surface as appropriate for your fixings.
8. Pierce the rubber gland in the back of your fitting making a hole just large enough to make a tight fit around the incoming mains cable.
9. Thread the cable through the grommet and offer the fitting to the ceiling.
10. Secure the fitting in place. Note, if protection against ingress of moisture is required, the heads of screws must be covered with a silicone or similar sealant.
11. Check that the grommet is still correctly fitted in the cable entry hole and around the incoming cable.
12. Make the electrical connections to the gear tray according to the colour code (above).
13. Offer the gear tray into position locating on the three screws and turn clockwise.

14. Tighten the three retaining screws.
15. Fit the lamp pressing into position until the lamp has clicked into place and it is held securely.
16. Offer the diffuser and decorative trim onto the top of the fitting and turn clockwise until they are held securely.
17. Restore the power and switch on.

## Safety Markings



## Cleaning

Clean this light fitting only with a soft dry cloth

The diffuser and trim may be removed and washed in a mild detergent solution. Make sure they are completely dry before putting them back on your light fitting.

Do not use any chemical or abrasive cleaners.

## Lamp Replacement

1. Switch off the electricity at the mains.
2. Turn the diffuser anti-clockwise and lift off.
3. Pull the tube straight out of the fitting and press a new one back into position ensuring that it is retained securely.
4. Replace the diffuser and turn clockwise so that it is retained securely.
5. Restore the power and switch on

## Replacement Lamp Type

	CO16	CO28
Wattage:	16W	28W
Supply Voltage:	240V	
Type:	TC-DD	