

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.

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.

CLEANING:

Clean this 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.

LED LAMP SPECIFICATIONS:

Luminaire lumens (with diffuser): 3100K, 4200K, 6400K	1180 lm 1290 lm 1230 lm
Lumens from chip (no diffuser): 3100K, 4200K, 6400K	1420 lm 1570 lm 1530 lm
Useful lumens (array): 3100K, 4200K, 6400K	1120 lm 1200 lm 1170 lm
Rated Wattage	12W
Rated luminous flux	1120/1200/1170 lm
Nominal life time of the lamp	40,000 hrs
Colour temperature	3100/4200/6400K
Number of switching cycles before premature lamp failure	≥15,000
Warm-up time up to 60% of the full light output	Instant Full Light
Dimmable	No
Nominal beam angle	120°
Rated power	12W
Rated lamp lifetime	40,000 hrs
Displacement factor	
Lumen maintenance factor at end of nominal life	≥0.70
Starting time	Instant Full Light
Colour rendering	≥80
Colour consistency	Within 6 step Macadam ellipse
Rated peak intensity	278/265/285cd
Rated beam angle	120°
Voltage / Frequency	240V~50-60Hz
This product contains a Light Source of Energy Efficiency Class F	
Not suitable for accent lighting	

Eterna

Everyday Lighting For Professionals

INSTALLATION INSTRUCTIONS

A guide for qualified electricians

3 HOURS DURATION IN EMERGENCY MODE



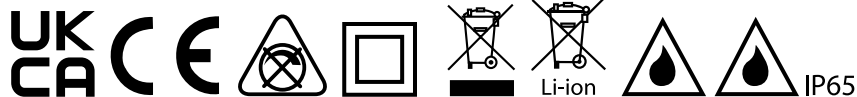
Pack contents:
1 x LED ceiling fitting
1 x Maintenance Check Record

Model:
CO12EM3

12W IP65 LED Circular Ceiling/Wall Light With Emergency

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION
AND RETAIN FOR FUTURE REFERENCE**



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

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

Made in China

Issue 0821

READ THIS FIRST:

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.

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

WARNING: There are two mains feed. Disconnect both before removing cover.

The batteries supplied with this fitting are consumable parts and therefore may be outside of any warranty offered.

This unit is suitable for indoor or outdoor use.

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.

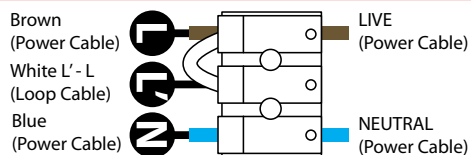
Ensure that the fitting will be accessible after installation for maintenance and self testing.

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 is double insulated, do not connect any part 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 current IEE wiring and building regulations.

NOTE: In warm white (3100K) and daylight (6400K) operation only one set of LEDs will illuminate, in cool white (4200K) both sets of LEDs will illuminate.



INSTALLATION:

Choose the location for your new fitting according to the conditions listed opposite.

- 01) Remove diffuser.
- 02) Drill holes in the back of your fitting through the drill guide positions 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.
- 03) Using the back of your fitting as a template, mark the position of your fixing holes on your mounting surface.
- 04) Prepare the holes in your mounting surface as appropriate for your fixings.
- 05) Pierce the rubber grommet in the back of your fitting making a hole just large enough to make a tight fit around the incoming mains cable.
- 06) Thread the cable through the grommet and offer the fitting to the ceiling / wall.
- 07) 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.
- 08) Check that the grommet is still correctly fitted in the cable entry hole and around the incoming cable.
- 09) Make the electrical connections to the terminal block according to the markings:

Brown to live (L) • Blue to neutral (N)
- 10) Mark the current date on the battery pack.
- 11) Ensure the battery plug is connected to the socket on the driver.
- 12) Set colour temperature to the desired option by selecting appropriate switch setting on the LED tray. See diagram opposite:
- 13) Offer the diffuser (and decorative trim if using) on to the top of the fitting.
- 14) Restore the power and check fitting is working correctly. A green light should always be present indicating the fitting is charging.

NOTE: For non-maintained operation, remove link wire from L and L1.
For switched operation, remove link wire and make a switched supply into L1.

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.

1	2		K Temp
●	○	WW	3100K
○	●	DL	6400K
●	●	CW	4200K
● = ON ○ = OFF			



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.

01. Switch off the electricity at the mains (both permanent live and switch live) and allow batteries to fully discharge then reconnect to supply and allow charging for 24 hours.
02. Test again for 3 hours, if light does not remain lit, then change the battery pack as follows:
03. Remove the diffuser and remove the gear tray.
04. Remove the battery case from the gear and remove the battery.
05. Write current date on the new battery pack and fit a new battery by reversing the above procedure.
06. Plug battery pack into circuit board.
07. Refit gear tray and diffuser.
08. Restore power and allow charging for 24 hours.
09. Perform full operation check and update test record.

REPLACEMENT BATTERY TYPE:

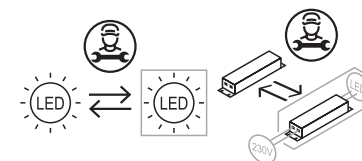
3.2V 1500mAh Lithium

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.



See website for more information on replacability and recycling



INSTALLATION, MAINTENANCE AND OPERATION CHECK RECORD

Product Description:

Installation
Date:

Installation
Test Duration:

Installed
By:

[illegible]