

### Cleaning:

- > Clean this light fitting only with a soft dry cloth—Do not use any chemical or abrasive cleaners.

### Lamp replacement:

- > Switch off the electricity at the mains.
- > Remove the diffuser.
- > Twist and withdraw the tube.
- > Insert new tube.
- > Restore the power and perform operation check.
- > Replace diffuser.

### Replacement lamp type:

Wattage: 8 W  
Type: T5 fluorescent tube

### Replacement battery type:

2.4V Ni-Cad 2 x D cells  
7030-0621

### 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.

- 1) Switch off the electricity at the mains.
- 2) Allow batteries to fully discharge then reconnect to supply and allow to charge for 24 hours.
- 3) Test again for 3 hours, if light does not remain lit change the battery pack as follows:
- 4) Remove the diffuser.
- 5) Remove the two screws indicated on the gear tray and open the fitting.
- 6) Unplug the battery lead from the circuit board.
- 7) Remove the two screws in the top of the gear tray beneath the lamp that secure the battery pack in place and lift the battery pack out of the fitting.
- 8) Write current date on the new battery pack.
- 9) Fit new battery pack securing in place using the screws removed from the old pack.
- 10) Plug battery pack into circuit board.
- 11) Close and secure gear tray
- 12) Replace diffuser.
- 13) Restore power and allow to charge for 24 hours.
- 14) Perform full operation check and update test record.

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

When your light fitting and or battery pack come to the end of their life or you choose to update or upgrade the fitting 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 will encourage the recycling of Waste from Electrical and Electronic Equipment ( European "WEEE Directive" effective August 2005 ).



### 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 answers to frequently asked questions ( FAQs ) and other information visit our web-site  
[www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)



# IMPORTANT !

## Safety and Installation instructions

### Maintained emergency bulkhead light 8W convertible to non-maintained by removing link

Model(s)  
YD630M

### Specification:

Power	8W		
Continuous illumination	>3 hours @ 45Lm		
Battery	2.4V 4.5Ah		
Recharge time	~20 hours	BLF	30.2%
Over-discharge protection	Yes	EBLF	17.7%

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING YOUR NEW FITTING**

**PLEASE RETAIN FOR FUTURE REFERENCE**

## Read this first:

- > This light fitting must be installed in accordance with the Building Regulations making reference to the 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.
- > Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- > Your emergency fittings should have their own separate mains supply circuit and should not share their supply with other lighting or electrical devices.
- > Suitable for indoor or outdoor use.
- > This product is suitable for installation on flammable surfaces ( indicated by the "F" in a triangle )
- > 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 ).
- > Ensure that the fitting will be accessible after installation for maintenance.
- > 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 Wiring Regulations ( see above ).
- > 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.
- > 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) Undo the screws at each end of the diffuser and lift off.
- 2) Press the tabs protruding from the gear tray to open.
- 3) Gently prize one of the hinges off of its plastic pin and lift off the gear tray.
- 4) Make the cable entry and fixing holes as required. Inside the back of the fitting, there are markings to assist you.
- 5) Using the back of the fitting as a template, mark the position of the fixing holes on your mounting surface.
- 6) Make fixing holes and fit plugs as appropriate.
- 7) Secure the back of the fitting to the mounting surface using suitable fixings ( not supplied ).
- 8) Apply a silicon sealant to the fixings if moisture or weather-proofing is required.
- 9) Fitting a cable gland will also be necessary if moisture or weather-proofing is required.
- 10) Thread the supply cable through the entry point and into the fitting.
- 11) Press the gear tray back into position on the hinge pins and allow the gear tray to hang open. Make connection to the mains supply according to the colour code opposite. Take care not to leave any strands protruding from the terminals and to tighten all terminals securely. Ensure also that the terminals clamp onto the bare wire and not onto the insulation.
- 12) To operate the fitting in non-maintained mode, remove the link from the terminals "SW".
- 13) If the lamp is to be switched, remove the link from between the terminals marked "SW" and connect cables to and from your switch.
- 14) Mark the current date on the battery pack.
- 15) Connect the battery pack to the circuit board.
- 16) Close the gear tray and press back onto the clips.
- 17) Replace the diffuser and tighten securely.
- 18) Restore the power supply. The LED should light to indicate correct charging. If the link "SW" has been left in place, the fitting should also light. If you have connected a switch across the terminals "SW", test the operation of your switch.

## Operation checks:

Periodic testing should be carried out monthly by simulating a failure of supply, causing the fitting to be energised from its battery. Interruption of the supply 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.

The duration of the simulated failure shall be:-

### Each month:

Isolate the power supply and check the light is illuminated. This test should last for no more than 45 minutes. Endorse the test record form supplied.

### Every six months:

Isolate the power supply and check that the light is still illuminated after 1 hour. Endorse the test record form.

### Once each year:

Isolate the power supply and check that the light is still illuminated after 3 hours. Endorse the test record form.

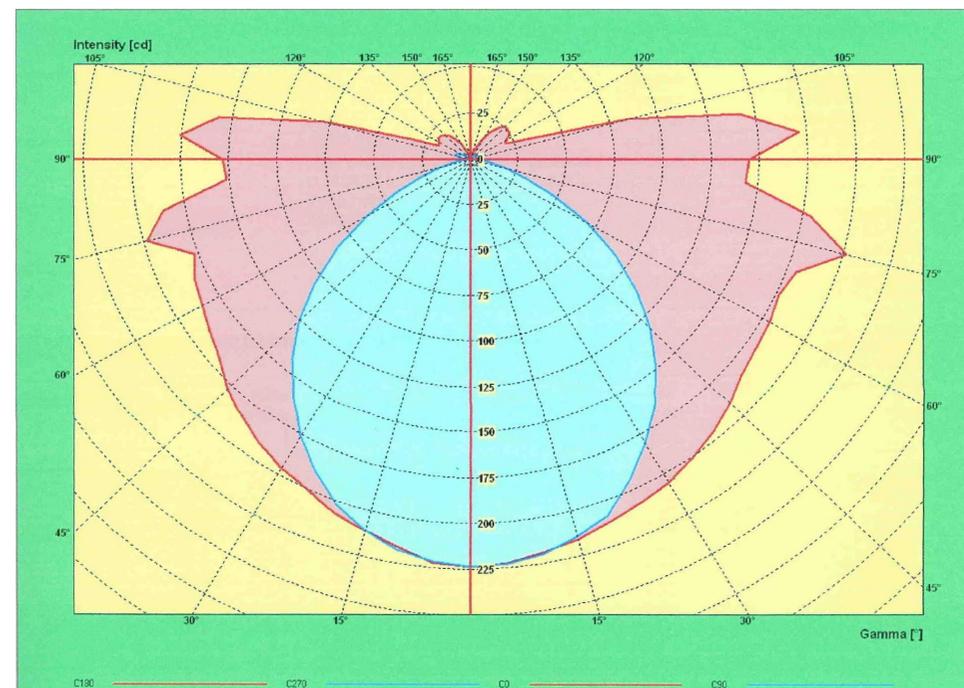
## Important notes:

Please keep this instruction booklet and test record in a safe place. A fire officer or other authorised person may want to see your record of inspection and testing.

The ballast and control gear must be operated only within the enclosure supplied. The gear must not be operated outside of the enclosure.

The battery charging circuit and DC ballast are separated from the mains by at least basic ( single layer ) insulation.

When energised by a constant mains supply, the battery will be constantly charged whether or not the lamp is illuminated. On failure of the constant mains supply, the fitting will switch automatically using transistorised switching from battery charging to battery discharge powering the lamp whether or not the lamp was illuminated before the power failure. Both the mains and battery supplies incorporate fuse protection: see fitting for location and rating.



## Safety markings:

