

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 two screws on the front of the light and lift off the diffuser.
- > Remove the bayonet lamp.
- > Insert new lamp.
- > Replace diffuser.
- > Restore the power and perform operation check.

Replacement lamp type:

Type: 12V 20 W
BA 15s

Replacement battery type:

12V 7Ah Lead / Acid

Battery replacement:

If after routine operation check, the lamp does not remain lit for the three hour period, new batteries 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 two screws on each side of the front panel and lift off.
- 5) Unplug the battery leads from the batteries.
- 6) Lift the batteries out of the case.
- 7) Write current date on the new batteries.
- 8) Fit new batteries into the case.
- 9) Reconnect the battery leads.
- 10) Close and secure the front cover.
- 11) Restore power and allow to charge for 24 hours.
- 12) 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
For answers to frequently asked questions (FAQs) and other information visit our web-site
www.eterna-lighting.co.uk



IMPORTANT ! Safety and Installation instructions

Non-maintained emergency light 2×20W

Model(s)
TWINSPOTNM

Specification:

Power	2 × 20W
Continuous illumination	>3 hours
Battery	12V 7Ah
Recharge time	~24 hours
Over-discharge protection	Yes

**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 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.
- > This product is suitable for installation on flammable surfaces (indicated by the "F" in a triangle)
- > Suitable for indoor use only.
- > 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 and safely connected to the mains supply.
- > 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 - L
 - Neutral - N
 - Earth - E
- > 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 on each side of the front panel and lift off.
- 2) Disconnect and remove the batteries noting the connections.
- 3) Choose which side of the fitting you need to make your cable entry and knock out the slug.
- 4) Using the back of the fitting as a template, mark the position of the fixing holes on your mounting surface.
- 5) Make fixing holes and fit plugs as appropriate.
- 6) Secure the back of the fitting to the mounting surface using suitable fixings (not supplied).
- 7) Fit a cable gland (not supplied) into the cable entry hole.
- 8) Thread the supply cable through the gland and into the fitting.
- 9) 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.
- 10) Write the current date on the battery pack.
- 11) Replace the batteries and reconnect. Ensure that the batteries are connected with correct polarity, i.e.: Red +, Black -.
- 12) Fit the battery fuse into the fuse holder on the PCB. Fuses are supplied in a small plastic bag fixed to the battery lead.
- 13) Replace the front cover and secure with the two remaining screws.
- 14) Restore the power supply.
- 15) Check that the Green LEDs that indicate charging and continuity in the two lamps are all lit.

Operation checks:

Periodic testing should be carried out monthly by simulating a failure of supply, causing the fitting to be energised from it's 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 as follows:-
..... contd

Safety markings:



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.

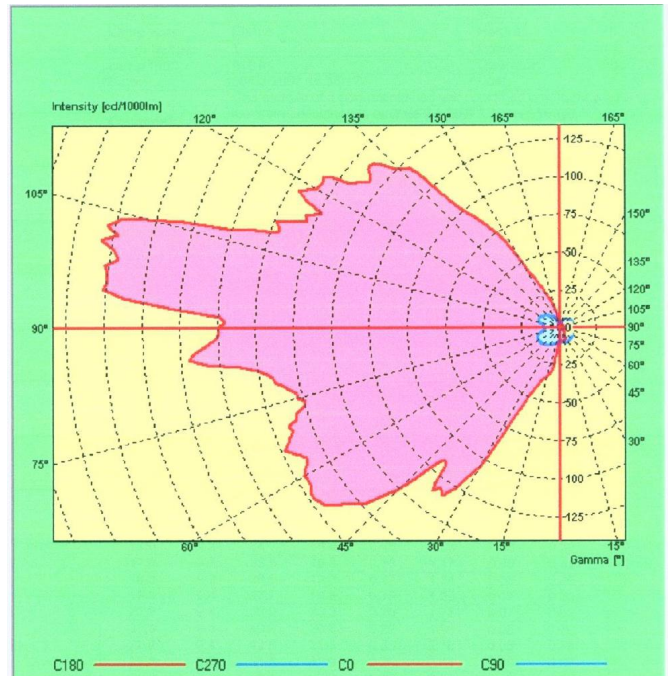
Important notes:

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 control gear are separated from the mains by SELV.

When energised by a constant mains supply, the battery will be constantly charged. On failure of the constant mains supply, the fitting will switch automatically by relay from battery charging to battery discharge powering the lamps. Both the mains and battery supplies incorporate fuse protection: see fitting for location and rating.



TWINSPO/INM Non-maintained emergency bulkhead light 070809/A