

Cleaning:

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

<p>Lamp replacement: The lamps cannot be changed in the luminaire</p> <p>Replacement Battery Type: 3.6V 1.0Ah Ni-Cad</p> <p>Replacement Fuse Type: 250V 3.0A</p>	<p>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.</p> <ol style="list-style-type: none">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) Push the clasps to indicates direction on the gear tray, and open the fitting.6) Unplug the battery lead from the circuit board.7) Take out the battery from gear tray.8) Write current date on the new battery pack.9) Fit new battery pack using self adhesive pads or similar.10) Plug battery pack into circuit board.11) Close and secure gear tray12) Replace diffuser.13) Restore power and allow to charge for 24 hours.14) Perform full operation check and update test record.
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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).



LED EMERGENCY BULKHEAD MAINTAINED

MODEL NO.:KE298/LED/M

**Convertible to non-maintained
by removing link**

Specification:

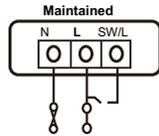
Input:	AC 220-240V 50/60Hz
Rated Power:	5W
Lamp Type:	SMD2835 White LED 27pcs
Battery:	Ni Cad 3.6V 1.0Ah
Continuous Illumination:	>3 hours
Recharge time:	about 24 hours
Over-discharge Protection :	Yes
Product Size:	(L X W X H) 352 x 110 x 55mm

**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. These may be obtained from HMSO or viewed and downloaded from www.odpm.gov.uk following the link for Building regulations.
- > Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- > Do not connect to a circuit which also has inductive loads connected as spikes generated switching inductive loads may damage electronic components within your light fitting..
- > 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.
- > Make connections to the electrical supply in accordance with the following code:

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



- > 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) Push the clasps to indicates direction on the gear tray, the tray will spring up. Take off the gear tray carefully.
- 3) Make the cable entry and fixing holes as required. Inside the back of the fitting, there are markings to assist you.
- 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) Apply a silicon sealant to the fixings if moisture- or weather-proofing is required.
- 8) Fitting a cable gland will also be necessary if moisture or weather-proofing is required.
- 9) Thread the supply cable through the entry point and into the fitting.
- 10) Replace the gear tray.
- 11) Lift the gear tray out on its hinge and make connection to the mains supply. Normally, the supply will be taken from the lighting circuit and the permanent live connected to the live terminal in the fitting. Make connections according to the wiring colour code above.
- 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) Write the current date on the battery pack.
- 15) Connect the battery pack to the circuit board.
- 16) Close the gear tray .
- 17) Replace the diffuser.
- 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:

This light fitting must be checked regularly in compliance with local regulation and codes of practice. For your own safety, testing should occur during the day.
After installation, you should allow 24 hours for the battery pack to charge fully before testing. Isolate the power supply and check that the light remains illuminated for at least three hours. Restore the power supply.

Each day:

Check that the charging indicator LEDs are lit.

Each month:

Isolate the power supply and check the light remains illuminated. Endorse the test record form below.

Every six months:

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

Once each year:

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

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.

Installation, maintenance and operation check record

Location:

Installation date:

Installation test duration:

Installed by:

Month	Test	20____		20____		20____		20____		20____	
		Sign	Date								
1	Short										
2	"										
3	"										
4	"										
5	"										
6	1 hour endurance										
7	Short										
8	"										
9	"										
10	"										
11	"										
12	3 hour endurance										

Safety markings:



IP65

