

## SELF-CONTAINED EMERGENCY LIGHTING

### INSTRUCTIONS **EMLEDBM** IP65 LED BULKHEAD

#### RECOMMENDED ROUTINE TEST PROCEDURE

The following test is designed to ensure the continued protection of your premises and occupants. Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing, all tests should whenever possible, be undertaken at times of least risk, e.g. during daylight hours.

#### ONCE A DAY

Visual inspection of battery charge led.

#### ONCE A MONTH

Each unit should be energized from its battery for about 30 seconds by simulation of a failure of the normal lighting supply, to ensure the led's operate in the emergency condition.

#### TWICE A YEAR

Each unit should be energized from its battery for a continuous period of at least one hour.

#### AFTER THREE YEARS & EACH SUBSEQUENT YEAR

All units with specified durations in excess of 1 hour should be energized for their full rating period.

**Luminaire Type/Ref** \_\_\_\_\_ **Date of Installation** \_\_\_\_\_  
**Location** \_\_\_\_\_

MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	ONE HOUR										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	ONE HOUR										
	THREE HOURS										

These instructions contain important information regarding safety. They should be read carefully and should be retained for future reference. The company will not accept any responsibility for any injury, damage or loss which may arise due to incorrect installation, operation or maintenance due to non-adherence to these instructions.

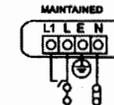
Our products are designed to comply with the recommendations of BS EN 60598-1:2008 code of practice for emergency lighting of premises and be installed by competent person in accordance with the relevant wiring regulations

Before installation of any type of emergency lighting always seek the advice of the local fire prevention officer (or equivalent authority)

#### Luminaire information

**Model: EMLEDBM** LED Bulkhead  
Rated Voltage 220/240V AC 50/60Hz  
Lamp Type - 15 pcs DIP White LED 1W IP65  
Product Size: (LxWxH) 345 x 107 x 78mm  
Battery Type: Ni-Cd 3.6V 1AH  
Recharge Time: 24 hours : Initial Charge 36 hours  
Emergency Operation Time 3 Hours

For Continuous LED Operation - Link L1 (Switched Live) to terminal L (Permanent Live). If 'L1' not connected, fitting works as non maintained. Wiring diagram below shows maintained wiring.



All self-contained emergency lighting luminaires require a continuous (un-switched) 220V - 240V single phase 50hz supply to keep the inbuilt batteries charged.

Please note:- **The LED's contained in this fitting are not designed to be replaced.**

With the exception of the weather proof bulkhead, which is IP65 rated, all luminaires are suitable only for indoor use in dry locations. If operation is required in damp, dusty, or corrosive locations care must be taken to select a suitable fitting for the location

## Installation of the fitting

Installation should only be carried out in accordance with the current edition of the "Regulations for Electrical installations" EN61547 and with the requirements of **BS EN 60598-1**

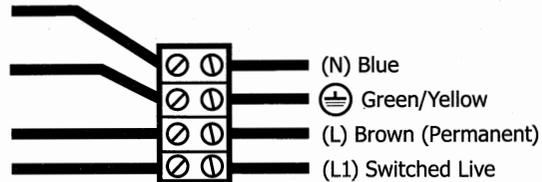
Do not high voltage insulation test the luminaire as this may damage the control gear

Before starting the installation ensure that the electricity supply is isolated and that it can not be re-energised accidentally.

- 1) Remove the front diffuser from the body by removing the 2 fixing screws.
- 2) Release the hinged ABS gear tray by removing the 2 screws.
- 3) There are five 20mm cable entry holes on this fitting. One on the base and one on each side of the plastic body. Drill out the intended cable entry hole suitable for your installation
- 4) It's the installers responsibility to ensure the IP rating is maintained after drilling.
- 5) Drill out the two fixing holes located on the base of the luminaire, hold the luminaire in the required location and use these holes as a template mark on the location of the fixing holes on the wall/ceiling (please note when drilling fixing holes in the wall/ceiling be careful not damage concealed wire or pipes.
- 6) Fix the luminaire to the wall/ceiling using suitable screws and fixings (not supplied)
  - i) Semi Recessed Mounting requires EML8FK (sold separately)

**IMPORTANT:-** To extend battery life always fit the luminaire with the batteries at the bottom when wall mounting.

- 7) Connect the mains supply wiring as follows:



**Ensure that all connections are firmly secured and there are no loose strands omitted**

- 8) For component protection in transit and user safety the luminaire battery connector is supplied unconnected.

Once the fitting is installed and wired correctly the female battery connector must be attached to the male connector on the circuit board.

- 9) When all connections have been made reassemble the fitting completely.
- 10) Restore the supply and check that the Green LED indicator illuminates to confirm the batteries are charging.

- 10) Allow 30 minutes for part charging of the batteries and then isolate the mains supply to the fitting in order to check the correct operation of the fitting in emergency mode. After 36 hours on continuous charge (and only at a safe time) a mains failure should be simulated to ensure that the fitting illuminates for its rated emergency duration.

The luminaire will have 1 hour backup after 14 hour charge and will be fully charged after 24 hours

Once the luminaire no longer meets its rated emergency operation the batteries must be replaced, regardless, all batteries must be replaced after a maximum of 4 years in service

## Maintenance

Repairs should only be carried out by a suitably qualified person. Only replacement components authorised by the company should be used. Disposal of replaced components should be in accordance with component manufactures instructions. Special care should be taken if it's required to open the fitting as it may still be "live" even though the mains supply has been isolated. In these circumstances immediately disconnect the battery supply.

Servicing, cleaning etc should only be carried out after the fitting has been made electrically safe.

Cleaning of luminaires should be carried out at regular intervals not only to ensure good optical performance but also ensure that dirt does not accumulate to such an extent as to impair the electrical or thermal safety of the fitting

## Warranty

In place of any other conditions or warranties, whether imposed by statute or implied by common law we undertake as follows

- 1) We will repair or if necessary replace free of charge any emergency luminaires manufactured by us that is found by us to be defective and brought to our attention within 12 months of supply

**This warranty is only valid if the luminaire has remained unmodified and installed and used as per this instruction leaflet and is returned to us, complete with test record, carriage paid and packaged appropriately.**

- 2) We shall not be liable for any consequential loss or damage caused directly or indirectly by any defect or otherwise. All details in this leaflet are given for guidance only and do not constitute a contract. We reserve the right to alter the specifications of products without notice.