

RECOMMENDED ROUTINE TEST PROCEDURE

The following test is designed 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 energised from it`s battery for about 30 seconds by simulation of a failure of the normal lighting supply, to ensure the lamp operates in the emergency condition

TWICE A YEAR

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

Inspect the flourescent tube and if the ends are blackened replace.

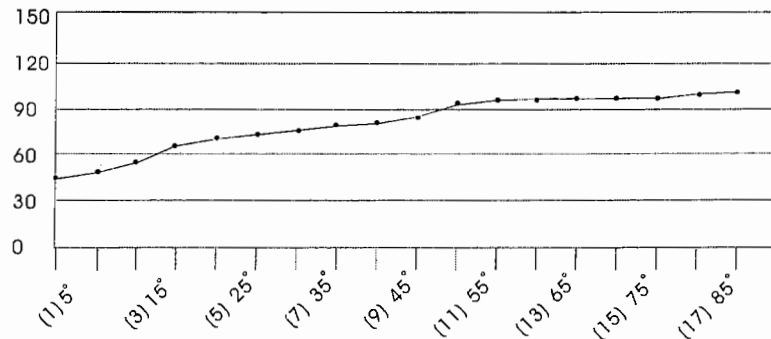
It is recommended that for maintained lumiaires the tubes are replaced at intervals of no more than 1 year in order to retain the design photometric characteristics.

AFTER THREE YEARS & EACH SUBSEQUENT YEAR

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

Replacement of the batteries is necessary when the lamps fail to meet their rated duration of operation

RANGE OF EMERGENCY LUMINAIRES



E8M3 & E8NM3

EMERGENCY LIGHT FITTING

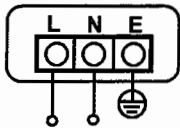
LUMINAIRE INSTRUCTIONS

& TEST PROCEDURES

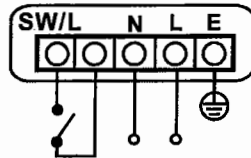
INSTALLATION

1. Remove the diffuser from the body by easing each of the 4` lugs` off the body clips using a 6 mm flat blade screw driver.
2. Release gear tray by easing plastic clips away from the metal tray and lifting this away from the base.
3. Fix base to wall or ceiling either direct or via conduit box having cleared an access hole in the body for the cable.
4. Connect mains supply wiring diagrams as following:

NON-MAINTAINED



MAINTAINED



5. ISOLATE THE A.C. SUPPLY and connect unit. An unswitched 240V A.C supply must be connected to the live(L). Earth and neutrak(N) terminals fitted to the PCB of all variants. On Maintained variants continuous illumination is provided by the white link ready connected, this can be replaced by a simple switch for on/off control.
6. Plug battery lead into connector on the PCB.
7. Refit the gear tray into the base of the unit making sure the two plastic clips capture it correctly.
8. Refit diffuser and press each of the 4` lugs` to ensure they are fully located.
9. Operational Check- Restore the A.C. Supply check the indicator LED is `on` leave for 31 minutes, and then remove power, the lamp should illuminate for a few seconds.
10. Restore the A.C. supply and check that the indicator LED is `on`.
11. In order to fit a supply cable it is necessary to remove a knockout in the base of the back box or make a hole in the recesses in the end of the box.
12. The rated lumen out put of the luminaire when in emergency mode : 110 lm

OPERATION

NON-MAINTAINED

Lamp normally off and battery on automatic charge (LED`on`) when the A.C. supply is healthy. Solid state circuitry automatically switches the lamp on when the A.C. Supply is interrupted.

MAINTAINED

Emergency lamp normally on, when the supply to switched is on. The battery is on automatic charge (LED`on`). Lamp will switch on or remain on if the A.C. supply or charger fails.

MONITORING

Red indicator lamp(LED) normally continuously`on`, indicator lamp goes out if the A.C. supply or charger fails.

BATTERY

Sealed Nickel-Cadmium rechargeable battery pack.

TEMPERATURE

Performance figures measured at 25 degrees C.

FAULT FINDING AND CORRECTIVE ACTION

MONITORING LED NOT ILLUMINATED

A.C. Supply not healthy. Battery not connected. Charger failed.

UNIT NOT MEETING REQUIRED EMERGENCY PERIOD

May need cycling : Discharge then recharge for 24 hours. Retest, battery pack may need replacing if emergency duration still not met.

LAMP NOT FULLY ILLUMINATED

If tube ends blackened replace tube. If illumination is hesitant and of a low level, either the battery pack or (less likely) the printed circuit board needs replacing.