

EMERGENCY LIGHTING LUMINAIRE INSTRUCTIONS & TEST PROCEDURES

LED-Flushlight Instructions 11-2011 iss1

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 energised from it's battery for adequate time to ensure, by simulation of a failure of the normal lighting supply, the emergency mode is functioning correctly.

ONCE EACH YEAR

All units should be placed into emergency mode and checked that the duration provided by the battery meets the specified time period.
Clean the internal and external surface of the diffuser.

INSTALLATION

1. Remove the diffuser from the body by removing the two screws.
2. Release gear tray by removing the two retaining screws.
3. Fix base to the ceiling. Use the bezel & fitting to ensure the 'cutout' is the correct size.
4. ISOLATE THE A.C. SUPPLY and connect unit. An unswitched 240V A.C. supply must be connected to the live (L). Earth and neutral (N) terminals on the PCB block. On Maintained circuits continuous illumination can be achieved by connecting a link between L and Lsw either locally or through a remote switch.
5. Plug battery lead into connector on the PCB.
6. Resecure the gear tray into the base of the unit making sure that the mains cable is not trapped by the PCB etc.
7. Refit the diffuser using the two screws.
8. Operational Check – Restore the A.C. Supply for 30 minutes and then remove. The LEDs should illuminate for at least 10 seconds.
9. Restore the A.C. supply and check that the indicator LED is 'on'.

ENSURE FITTING IS CHARGED FOR A MINIMUM OF 24 HOURS PRIOR TO TESTING

OPERATION

NON-MAINTAINED

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

MAINTAINED

Emergency lamp normally on, when the supply to L is switched on. The battery is on automatic charge (LED 'on'). Lamp will switch on or remain on if A.C. Supply is interrupted.

MONITORING

Green indicator lamp (LED) normally continuously 'on'. Indicator lamp goes out if 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. Re-test, Battery pack may need replacing if emergency duration still not met.

LEDs NOT FULLY ILLUMINATED

If the LEDs are not illuminated check connections & if correct either the battery pack or (less likely) the printed circuit board needs replacing.