

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 its battery for about 15 minutes by simulation of a failure of the normal lighting supply to ensure the luminaire operates in the emergency condition.

ONCE A YEAR

Each unit should be energised from its battery for the full rated duration. Inspect the LEDs and ensure they all operate correctly.

LED AMENITY RANGE

ALR/230 **15605/P** MAINS ONLY
ALR/M3 **15605/M3** MAINTAINED

ALS/230 **15607/P** MAINS ONLY
ALS/M3 **15607/M3** MAINTAINED

TLR/230 **15604/P** MAINS ONLY
TLR/M3 **15604/M3** MAINTAINED

LUMINAIRE INSTRUCTIONS AND TEST PROCEDURES

230V ~ 50Hz; Class 1; IP65

INSTALLATION

1. Remove the diffuser from the body by un-screwing the four retaining screws.
2. Release the LED gear tray by undoing the screws, drop the LED PCB down and disconnect the plug & socket.
3. Fix the base to wall or ceiling either direct or via conduit box. Check that the open cable entry is in the correct position or clear an access hole in the body to suit.
4. NB: To maintain the IP rating, seal any holes that are not used for installation.
5. Wire up the luminaire in accordance with wiring regulations. An unswitched 240V A.C. supply must be connected to the Live (**L**), Earth (**E**) and Neutral (**N**) terminals. On Maintained variants normal switched lighting can be provided by connecting a switched Live supply to the Lswitched live terminal.
6. Connect the battery plug and socket for emergency versions.
7. Reconnect the LED PCB and secure with the screws.
8. Refit diffuser and tighten screws carefully to ensure a good seal.
9. Check operation – restore A.C. supply. On emergency versions check the indicator LED is 'on'. Leave for 30 minutes, remove power and the LEDs should illuminate for a few seconds.
10. Restore the A.C. supply and check LEDs operates correctly (mains and maintained versions).

EMERGENCY OPERATION

NON-MAINTAINED

LEDs normally off and battery charging (LED indicator 'on') when the A.C. supply is healthy. Solid state circuitry automatically switches the LEDs on when the A.C. supply is interrupted.

MAINTAINED

The LEDs are normally on (may be switched using switched supply). The battery is charging (LED indicator 'on'). LEDs will switch on or remain on if A.C. supply is interrupted.

MONITORING

Green LED indicator normally continuously 'on'. Indicator goes out if A.C. supply or charger fails.

BATTERY

Sealed Nickel Cadmium or Nickel Metal Hydride rechargeable battery pack.

TEMPERATURE

Performance figures measured at 25 degrees C.

FAULT FINDING AND CORRECTIVE ACTION

MONITORING LED INDICATOR 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 full 24 hours. Retest. Battery pack may need replacing if emergency duration still not met.

LEDs NOT FULLY ILLUMINATED

If the light output is of abnormally low level, either the battery pack or (less likely) the printed circuit board needs replacing.