

## 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 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 it's battery for a continuous period of at least one hour.

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

It is recommended that for maintained luminaires 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.

Luminaire Type/Ref.....Date of Installation.....Location.....

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

# TOP LITE

PRODUCT CODE:LF502/LFAC502

8 WATT  
MAINTAINED/NON-MAINTAINED  
EMERGENCY LIGHT  
COMPLETE WITH LAMP  
CLEAR DIFFUSER

DURATION:3HOURS 230-240V AC 50HZ

EMERGENCY LIGHTING  
LUMINAIRE INSTRUCTIONS  
AND TEST PROCEDURES

## INSTALLATION

1. Remove the diffuser from the body by easing each of the 4 lugs off the body clips using a 5mm flat blade screw driver.
2. Release gear tray by easing plastic clips away from the metal tray and lifting the metal tray 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. ISOLATE THE A. C. SUPPLY and connect unit. An unswitched 240V A.C.supply must be connected to the live(L), Earth(E) and neutral(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.
5. Plug battery lead into connector on PCB.
6. Refit the gear tray into the base making sure the two plastic clips capture it correctly.
7. Refit diffuser and press each of the 4 'lugs' to ensure they are fully located.
8. Check Operation - restore the A.C. Supply check the indicator LED is 'on' Leave for 30 minutes, remove power, the lamp should illuminate for a few seconds.
9. Restore the A.C. Supply and check that the indicator LED is 'on' .

## 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 live is on. The battery is on automatic charge (LED 'on'). Lamp will switch on or remain on if A.C. Supply is interrupted.

### **MONITORING**

Red 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 full 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.