

# Twin Flood Units Non-Maintained

## **GROVE 2x 60 LED**

**This equipment should be installed by a competent electrician**

### **Installation Instructions**

1. Lay fitting on its back and remove lid.
2. Remove and discard packing pieces.
3. Fit unit securely to wall, unit may be mounted in any orientation.
4. Connect a 230V AC supply to the 'L E N' terminal block on the circuit board.
5. Connect the battery to the PCB terminals ensuring correct polarity is observed. (Red +ve, Black -ve).
6. The unit will not illuminate in emergency mode until the mains has been switched on and subsequently failed.
7. Operational check – restore the A.C. supply for 30 minutes and then remove. The lamps should illuminate for at least 30 seconds.
8. Switch on the mains supply and note that the indicator LED's have illuminated, proving that the unit is operational, the lamp continuity is OK and that the battery is being charged.
9. The unit has deep discharge protection and this should operate when the battery voltage falls to approx. 8V DC, whilst in the Emergency Mode.

### **Fault finding and regular testing**

**MONITORING LEDs** –The left hand LED indicates that the unit has a 230vAC supply and is charging the battery, if it is not illuminated, then the mains 230v supply has failed., or the battery is faulty/disconnected. The right hand LED indicates the lamps (LED clusters) are connected to the unit.

### **UNIT NOT MEETING REQUIRED EMERGENCY PERIOD**

May require cycling. Discharge, then recharge for at least 24 hours. Re-test. Battery may need replacing if emergency duration still not met.

To be regularly tested in accordance with **BS5266-1:2005**

### **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.

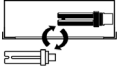
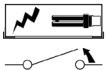
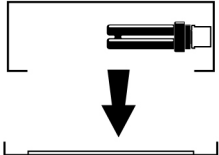
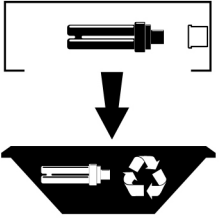
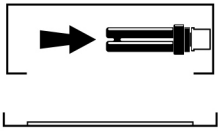
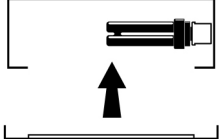
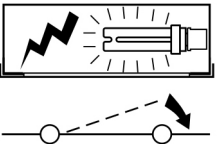
#### **ONCE A MONTH**

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.

## Instruction for luminaire service

Replace aged or failed lamp	Switch Off switch off supply to luminaire	Open Luminaire	Remove old lamp send to recycling center	Fit new lamp Insert the new lamp into lamp holder	Refit optic	Make Functional test
						

## Instruction for luminaire cleaning

Clean Luminaire	Switch Off switch off supply to luminaire	Wipe outside optic	Wash outside optic	Remove optic	Clean inside luminaire	Refit Optic	Make Functional test
