

GENERAL INFORMATION

1. A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
2. Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
3. Cleaning of reflectors and lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid. Use protective gloves when handling the product.
4. Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.

SPECIFICATION

Lamp types	12 x white LEDs
Materials	Epoxy coated galvanised steel
Supply Voltage	230 Volts (220-240V) ~ 50Hz
Supply Current	Maintained: 45mA Mains only: 30mA (5VA)
Power	5.6W

DALI/SELF-TEST LUMINAIRES ONLY

The luminaire will adopt a self-test (automatic test) mode if it is not connected to a DALI bus, or the DALI communication is missing. On completion of the selfcommissioning check, the self-test program starts with the first function and duration tests. These tests will be carried out after randomly generated delay times. The initial function test randomly generated between 0 and 7 days, and the initial duration test randomly generated between 4 and 52 weeks. Subsequent function and duration tests then randomly occur at intervals of 7 days and 52 weeks respectively.

DALI/Self-test luminaires will respond to DALI commands from a suitable control unit. These commands can be used to initiate function and duration tests at prescribed times. The status flags for the luminaire are set after a test, for reporting and logging of the results. DALI /Self-test luminaire local bi-colour LED indicator status

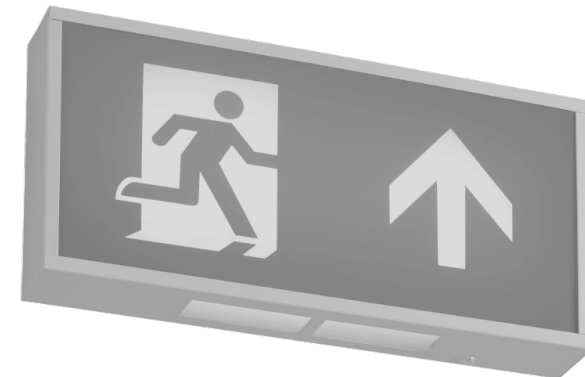
DALI /Self-test luminaire local bi-colour LED indicator status

Green LED	Permanently on	System OK/mains operation mode
	Slow flash	Duration test/commissioning
	Fast flash	Function test
Red LED	Permanently on	LED luminaire fault
	Slow flash	Battery/test failure
	Fast flash	Battery charging failure

Slow flash – a flash every 2 seconds. **Fast flash** – a flash every 0.5 second



ExitLED Installation Leaflet



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INSTALLATION DETAILS

1. Remove the front legend by removing the two crosshead screws retaining the end plate and sliding the legend plate out.
2. Fix the main exit sign body to the wall having cleared an access hole in the body for the incoming cables using the two pre punched holes (20mm). (See figure 1 for holes details).

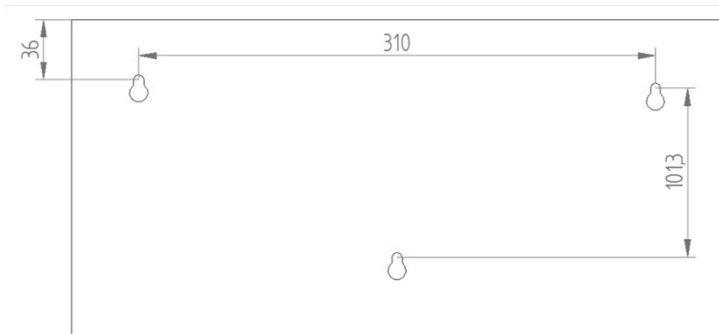


Figure 1

3. Wire up the luminaire in accordance with wiring regulations. An un-switched 240V A.C. supply must be connected to the live (L), earth (E) and neutral (N) terminals on the PCB. For maintained operation, connect an additional switch to the 'M' terminal.
4. Plug battery leads onto the connector on PCB.
5. Slide the legend panel back into the frame and refit the end plate with the two screws.
6. Check operation- restore A.C. supply. For emergency versions check the indicator LED is 'on'. Leave for 30 minutes, remove power and the LED's should illuminate for a few seconds.
7. Restore the A.C. supply and check the LED's operate on mains for maintained operation.

EMERGENCY OPERATION

NON-MAINTAINED

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

MAINTAINED

Emergency LED's are normally on. The battery is on automatic charge (green LED 'on') LED's will switch on or remain on if A.C. supply is interrupted.

MONITORING

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

BATTERY

3.2V 18650 Lithium Iron Phosphate 1.8Ah rechargeable battery.

TEMPERATURE

Performance figures measured at 25 degrees C.

FAULT FINDING AND CORRECTIVE ACTION

MONITORING LED (GREEN) 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 may need replacing if emergency duration still not met.

LED'S NOT ALL FULLY ILLUMINATED

LED's or PCB failed. The printed circuit board needs replacing.

RECOMMENDED ROUTINE TEST PROCEDURE

The following test is designed to ensure the continued protection of your premises and occupants. All tests should be undertaken at times of least risk, e.g. during daylight hours.

ONCE A DAY

Visual inspection of battery charge LED

ONCE A MONTH

Unit should be energised from its battery for 15 minutes, simulating failure of normal lighting supply, ensuring the LED's operate in emergency conditions.

ONCE A YEAR

Unit should be energised from its battery for full duration. Inspect LED's, if failures occur a whole unit replacement will be required.