



**D5403WH**

Duceri Emergency Self Test Surface Downlight 3W LED IP44 Interchangeable Open & Corridor Lens Lithium Battery Maintained White

**GENERAL INFORMATION**

Our products are designed to comply with the recommended codes of practice for emergency lighting of premises and be installed by competent person in accordance with the relevant wiring regulations.

**LUMINAIRE INFORMATION**

Rated Input Supply: AC 240V 50Hz  
 Rated Output Power: High Power 3W LED  
 Operating Temperature: 0-45°C  
 Operating Relative Humidity: Less than 90%  
 Battery Specification: 3.2V 1500mAh LiFePO4 Battery  
 Emergency Duration: More than 3 Hours  
 Change Over Time: Less than 1 second.

**MONITORING:**

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



The latest product manuals and software is available online:  
[https://www.espuk.com/technical\\_support](https://www.espuk.com/technical_support)

**Test Record Sheet**

Month	Test	1st Year		2nd Year		3rd Year		4th Year		5th Year	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	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	3 Hour										

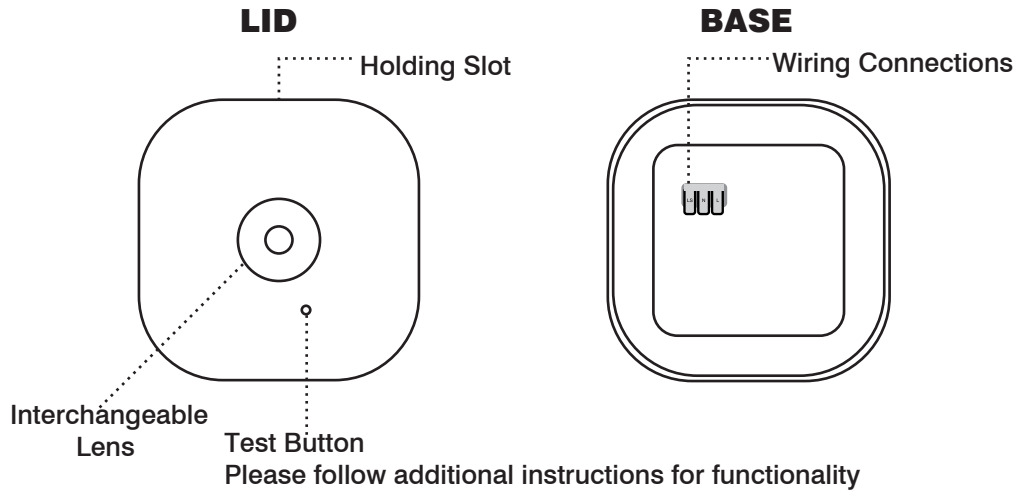
Luminaire Type/Ref:

Date of Installation:

Location:

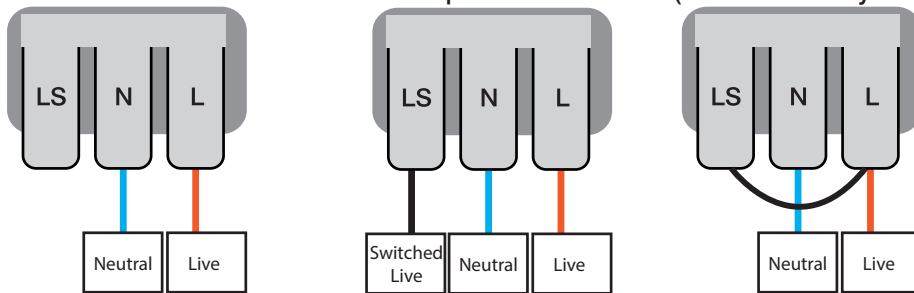
## INSTALLATION

- 1) Ensure mains supply is off
- 2) Remove the lid from the base using the holding slot
- 3) After completing cable entry, mount the base to intended surface
- 4) Select and fit the open lens or corridor lens to the front lid
- 5) Connect the mains supply to the L & N terminal block.  
If using Maintained mode, please review the wiring options below
- 6) Connect the battery to the board with the 2-pin connector
- 7) Ensuring the lid orientation matches the base, refit the lid onto the base until it clips into position
- 8) Switch on mains supply, ensure the green LED indication is visible.



## WIRING OPTIONS

1. Non-Maintained Operation
2. Switchable Maintained Operation
3. Maintained Operation (luminaire always on)



## 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 may need replacing if emergency duration is still not met.

### LAMP NOT ILLUMINATED

If illumination is hesitant and of a low level, either the battery or (less likely) 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. 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 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 energized from its battery for a continuous period of at least one hour.

#### ONCE A YEAR

Each unit should be energized from its battery for a continuous period of at least three hours.

Switch on the power supply and ensure the LED status indicator is illuminated green to ensure the battery and supply are functioning.  
After 36 hours on continuous charge, a full battery discharge should occur. This will ensure correct battery reset, once batteries are fully depleted, mains power should be reapplied to the system.  
Normal maintenance procedures should occur once mains power has been reapplied.