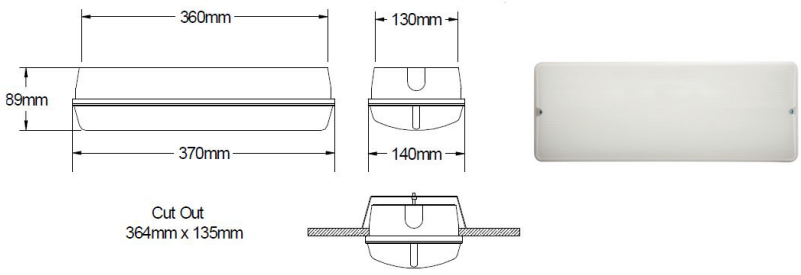
Installation & Wiring Instructions
OLP/2/DA - High Output
DALI-2 Self-Test Bulkhead

Liteplan emergency lighting

PLEASE READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

Description:

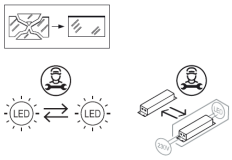
The OLP/2/DA DALI self-test bulkhead is a robust IP65 luminaire which offers 1163 lumen in mains operation and 911 lumen in emergency operation. The high emergency output provided by this product in emergency makes it perfect for high ceilings.
The OLP/2/DA is manufactured with an opal diffuser which casts the light well over a wide arc and with a high light output ratio (LOR). Ldt files in both mains and emergency operation are available, please contact the Liteplan sales office who will be happy to send them to you.
If not connected to a DALI system, the OLP/2/DA will revert to standalone self-test operation.
The product features battery temperature protection in accordance with IEC 61347-2-7: 2012+A12:2022.



Specification:

Input Voltage	230-240 Volts AC 50/60 Hz
Power Rating (Non-Maintained)	* 1.4W 12mA - λ = 0.48
Power Rating (Maintained)	13.5W 67mA λ = 0.84
Ta Parameters	0°C to + 35°C
Mains Input Terminal	0.5mm - 2.5mm
Battery Fuse	Internal to D2N/2S
Battery Discharge Current	900mA
Discharge Voltage Limit	5.0V
Ingress Protection	IP65
Battery Pack	6.4V 4.8Ah LiFePO4
Charge Current	225mA Nominal
Recharge Period	24-Hours
Width and Length	370mm 140mm
Depth	89mm
Side Cable Entry	20mm Knock Outs L&R
Rear Cable Entry	20mm Knock Out Centre
Overall Weight (M3)	1.9Kg

* Following its initial charge the OLP/2/DA will spend 90% of its operational life in standby mode



The light source and control gear in this luminaire shall only be replaced by the original manufacturer, service agent or a similarly qualified person.

Product codes

OLP/2/DA/NM Non-maintained DALI Self-Test 3-hour
OLP/2/DA/M Maintained DALI Self-Test 3-hour (Basic mains)
OLP/2/DA/MD Maintained DALI Self-Test 3-hour (DALI mains)

Important

It is recommended that this product is installed by a competent person in accordance with the current building and wiring regulations.. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

The product requires an un-switched supply for charging the battery and a switched supply for maintained operation.

ISOLATE MAINS SUPPLIES AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.

Installation:

1. **Remove the two front screws and lift off diffuser.**
2. **Remove the two screws on the hinged geartray and lift to reveal the components underneath.**
3. **Open your desired cable entry and feed mains cable through. Use the required IP rated gland to ensure that IP rating is maintained.**
4. **Connect the cables to the terminal blocks as shown in the diagram overleaf.**
5. **For Non-Maintained operation, do not connect to the Switched Live terminal.**
6. **Connect the battery.**
7. **Screw the geartray back into position ensuring no cables are trapped.**
7. **Refit the cover.**
8. **Fit the screws back into the diffiser making a water tight seal.**

The battery within this luminaire is servicable and should be replced with the Liteplan part number 6/LP48/TS/TE. This change should be carried out by a qualified professional.

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LiFePO4 DALI Alliance UK CA CE

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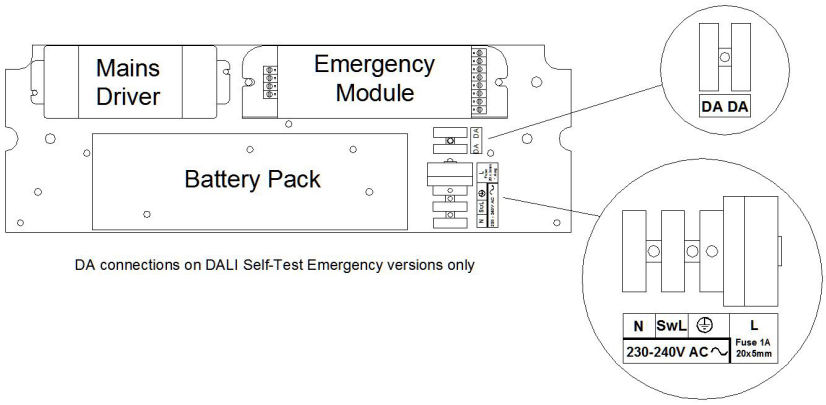
Typical Wiring Diagram



DA connections on DALI Self-Test Emergency versions only

LED Fault indication		
Green Solid	Battery Charging, no fault	On
Green Blink	Pre-Commissioning	2.0s on, 0.2s off
Green Flash	Function Test running	0.2x on, 2.0s off
Green Flash	Duration test running	0.2s on, 2.0s off
Red Blink	Battery Temperature fault	0.2s on, 3.8s off
Red Flash x1	Battery fault	0.5s on, 3.5s off
Red Flash x2	Lamp fault	2x 0.5s on, 2.5s off
No Indication	Fault	-
Red/Green Flash	Duration test timout (after 7 days)	2.0s green, 0.2s red

Luminaire Ref/Location	**In case of difficulty, contact the Installation Engineers:-** ..... Tel:	
Full Recharge Time 24 Hours	Duration 3 Hours	Lamp Type - LED

ROUTINE TEST RECORD

	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Three Hour										

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