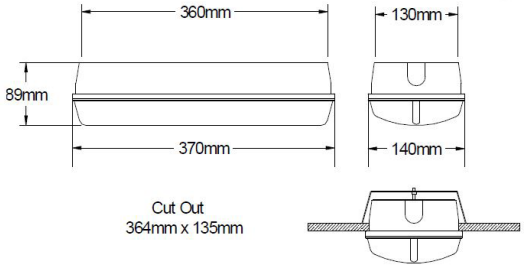
# Installation & Wiring Instructions
# **OLP/1** -
# LED Bulkhead

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

## Description:

The OLP/1 bulkhead is a robust IP65 luminaire which offers 1,163 lumen in mains operation and 358 lumen emergency operation.
The OLP/1 is manufactured with an opal diffuser which casts the light well over a wide arc. The Makralon diffuser offers a high light output ratio (LOR) maximising the light from the LED chips. 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.

The LiteMesh wireless version should be wired in the same way as basic the emergency version. Communiacation will be established during the commissioning process.
The product features battery temperature protection in accordance with IEC 61347-2-7: 2012+A12:2022.

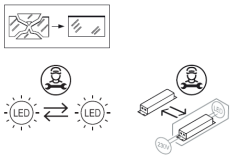





## Specification:

| | |
|---|---|
| Input Voltage | 230-240 Volts AC 50/60 Hz |
| Power Rating (Non-Maintained) | * 1.3W 13mA - λ = 0.67 |
| Power Rating (Maintained) | 10.7W 57mA **λ** = 0.78 |
| Ambient Temp. | 0°C to + 35°C |
| Mains Input Terminal | 0.5mm - 2.5mm |
| Battery Fuse | Internal to Em Module |
| Battery Discharge Current | 900mA |
| Discharge Voltage Limit | 2.4V |
| Ingress Protection | IP65 |
| Battery Pack | 3.2V 3.8Ah 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 (maintained) | 1.7Kg |

* After its initial charge, the OLP 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/1/NM | Non-maintained Bulkhead |
| OLP/1/M | Maintained Bulkhead |
| OLP/1/NM/LMEM | Non-maintained Wireless Bulkhead |
| OLP/1/M/LMEM | Maintained Wireless Bulkhead |

### 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 block 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 1/LP38/S/TE. This change should be carried out by a qualified professional.

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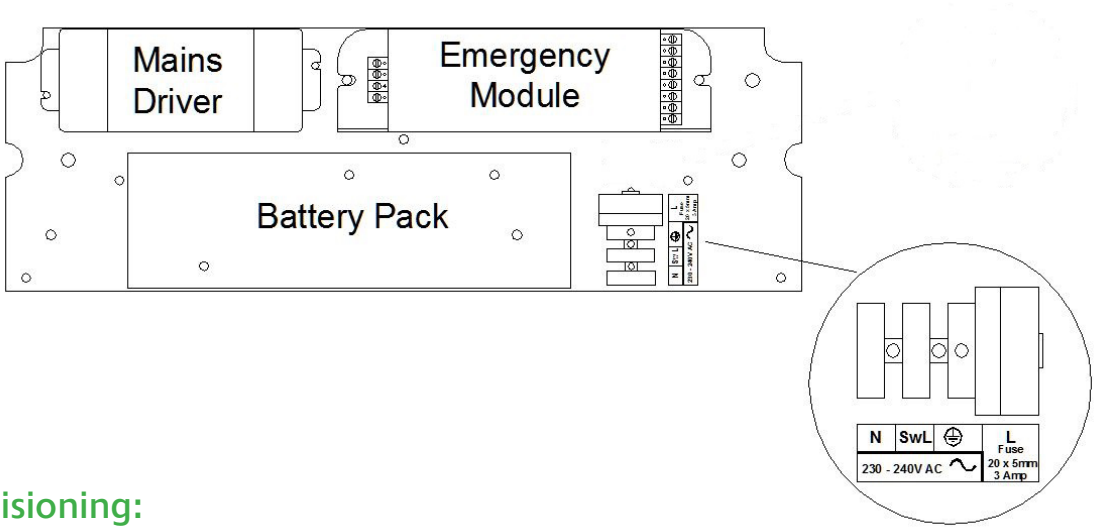
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Installation & Wiring Instructions
**OLP/1** -
LED Bulkhead

Liteplan emergency lighting

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

Typical Wiring Diagram




## Testing/Commisioning:

- Ensure the power is connected.
- Connect the battery.
- Switch on the Un-switched Supply - Check the Charge LED illuminates.
- Switch off the Un-switched Supply - Check the Charge LED extinguishes and the load LED illuminates.
- Enter the commissioning date on the Battery Pack.
- Switch on the Un-switched Supply
- If the battery case temperature falls below 0°C or goes above 55°C the charger will cut-off and the charge LED will go out.

| **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 | | | | | | | | | | |
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| Functional | | | | | | | | | | |
| Functional | | | | | | | | | | |
| Three Hour | | | | | | | | | | |

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