

## HIGH BAY EMERGENCY PACK INSTRUCTIONS

### Issue 01 21<sup>st</sup> July 2023

These instructions are in addition to the standard luminaire instructions that were also supplied with the product you have purchased. They should be read carefully & luminaire installed as per both sets of instructions, then pass on to the appropriate person for retention for future reference & maintenance.

**SAFETY** This is a mains voltage powered product. It is designed to be installed by suitably qualified personnel only and in accordance with the applicable building and electrical regulations. Before installation or maintenance, the electrical supply to the product must be isolated.

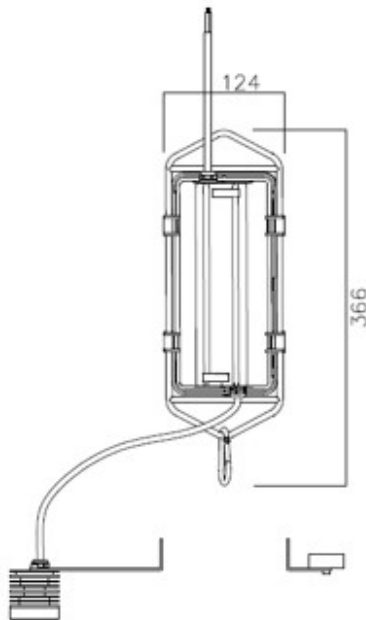


**INSTALLATION SUPPORT** If installation advice or accessories are required, please contact us at the above address. When reporting a suspected fault or seeking installation support, the problem is likely to be resolved more quickly if you have full product details to-hand, as well as details of when and where it was purchased.

#### INSTALLATION

This is a non-maintained emergency fitting pack, when main power is connected, the green charging LED should come on and indicating the battery is charging. When main power is lost, the fitting will go into emergency mode, LEDs in the head unit will be on.

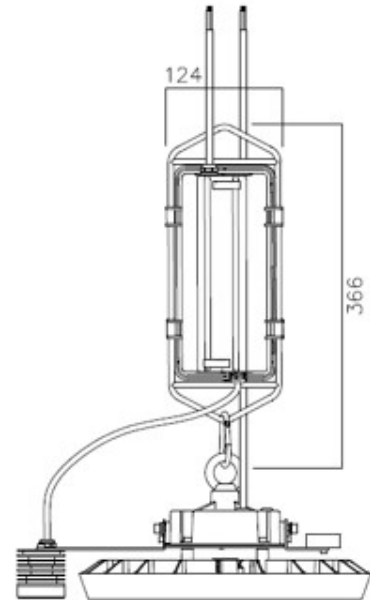
- The High Bay Emergency Pack (Fig 1.) can be used as standalone fitting using the V bracket and wire strap (Fig 2.) or can be fastened to the NVC Highbay luminaires (Fig 3.) and is supplied with the battery connected.



**Fig1.**



**Fig2.**



**Fig3.**

- For standalone operation use the V Bracket + steel wire strap supplied in the Pack (Fig2.)
  - Remove the L bracket from the head unit keeping hold of the screws
  - Use the same screws to secure the V bracket into place.
  - The head unit can now be located in position using the steel wire strap with snap hooks
- For fastening to the fittings:
  - Use the Allen keyhead screws supplied secure the head unit and counter weight brackets to the driver housing as shown in Fig 3.
  - Using the hook provided, the emergency pack can now be hooked on to the highbay fitting as shown in fig 3. making sure the pack is positioned so the "arrow UP" is at the top.

**Note: Highbay luminaire is suspended under the emergency pack.**

- This can now be installed onto the chain in the ceiling using a suitable hook or alternative method.
- Route the switched & Permanent live supply cables from both the highbay fitting and emergency pack and terminate using suitable IP65 min. rated connection box/connector, ensuring correct polarity is observed.
- Reconnect the power supply & check for correct operation.

**Note! DO NOT INSULATION TEST.**

- When the power supply is reconnected, check that the indicator LED is green to ensure the battery is charging.
- The battery should be allowed to charge for at least 24 hours, uninterrupted before carrying out a full discharge test to check that the full rated duration is satisfied.

**GENERAL MAINTAINED EMERGENCY LUMINAIRE INSTRUCTIONS**  
**Issue 07: 25/05/2022**

**These instructions should be followed in conjunction with the standard luminaire instructions. Please read carefully and pass to the end user/responsible person for retention and future reference.**

**INSTALLATION**

1. Following the installation of the luminaire in accordance with the standard luminaire installation instructions, a separate permanent live supply should be terminated in the incoming supply terminal block in the luminaire, in the connection marked 'L PERM'. The permanent supply **MUST** be taken from the same phase as the corresponding switched supply and **MUST** be wired at the switchboard so that upon instances of tests, it is isolated at the same time as the switched supply.
2. N.B. to avoid potential damage to the battery please ensure the permanent live is energized as soon as possible following connection of the battery to the module.
3. Upon restoration of the power supply to the luminaire, check that the indicator LED fitted within the luminaire illuminates green. This indicates that the batteries are charging and that the charging circuit is healthy.
4. Allow the battery to charge for an uninterrupted period of not less than 24 hours prior to carrying out a full discharge test.

**MAINTENANCE**

5. The battery pack in this luminaire must be replaced when it is no longer able to satisfy its full rated duration.
6. In emergency mode the light level of the luminaire will be at a reduced output. Regular maintenance and gentle cleaning are recommended so as to ensure that the Emergency Output Factor (E.O.F) remains at specified levels.
7. Isolate the supply before servicing.
8. Please ensure that the emergency flux is not compromised at any time throughout the luminaires design life.
9. **DO NOT INSULATION TEST**

**Caution:**

**The battery pack in this luminaire is a Lithium Iron Phosphate (LiFePO<sub>4</sub>) type which includes a dedicated protection circuit. If replacing the battery pack, the specification and chemistry must be identical to that detailed on the battery label.**

**TESTING OF EMERGENCY LUMINAIRES:**

Recommended routine test procedures in line with BS 5266-1:2016 & BS EN 50172:2004.

