

KANSAS LIFE IP65 SELF TEST INSTRUCTIONS

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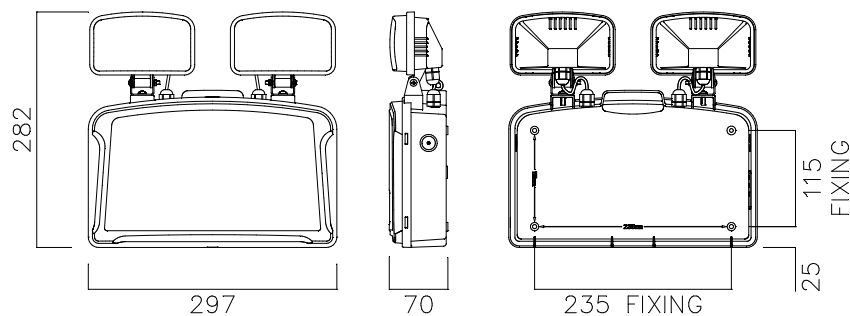
THANK YOU for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions and then pass the instructions to the appropriate person for retention and future reference.

SAFETY This is a mains voltage powered luminaire. 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. **This luminaire must be earthed.**



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.

LUMINAIRE INSTALLATION



1. Unclip the front cover using a flat blade screwdriver, and carefully inserting it into & releasing the 6 clip points (2 each side, one top & bottom).
2. Secure the luminaire in position using the drill out points provided on the back wall of the luminaire body.
3. Drill out the desired 20mm diameter cable entry point (located on each side wall of the luminaire body) & fit the cable gland provided.
4. Route the power supply cable through the cable gland to the terminal block and terminate ensuring correct polarity is observed.
5. Plug the Battery loom onto the PCB connector marked BATT.
6. Rotate & angle the lamp heads to the required direction. The bolts/screws on the lamp heads may need to be loosened to do this – ensure they are re-tightened afterwards to hold position.
7. Refit the front cover to the luminaire body.
8. Ensure that the lamp heads are positioned so as to provide the required lux levels in line with the emergency lighting design and EN 1838:2013, and in a way that minimizes glare in an emergency situation.
9. Connect the power supply & check that the green indicator LED illuminates. At this time the luminaire will undertake an initial short functional self-test (please see below under 'Self-Test Function').

MAINTENANCE

1. **This unit is using Lithium Iron Phosphate cell (LiFePO₄) in its battery pack. These batteries require close monitoring and protection circuitry to operate safely. This pack uses a dedicated protection built into the module unit. Ensure like for like batteries are used in any replacement maintenance.**
2. DO NOT INSULATION TEST.
3. Ensure cleanliness of luminaires is maintained so as not to affect performance.
4. **The battery in this luminaire must be replaced when it is no longer able to meet its rated duration.**
5. **The luminaire operating temperature range is 0°C - +40°C.**

SELF TEST FUNCTION

This luminaire comes with a built-in self-test facility. Once given a permanent mains supply, the luminaire will automatically carry out a monthly functional check & an annual full duration test, in line with the testing procedures of BS 5266 and BS EN 50172.

Initial Test

- Upon receiving a permanent mains power supply, the luminaire will immediately carry out a short (30s) functional test. Following this it will charge for 24 hours before carrying out a 3-hour duration test. **DO NOT REMOVE THE MAINS POWER SUPPLY DURING THIS PERIOD.** During this test the lamp heads will illuminate & the LED status indicator will rapidly flash red.

Monthly Function Test

- The luminaire will carry out a 30 second function test, selected randomly between day 15 to day 30 after installation so that all self-test products do not go into test mode at the same time. During this test the lamp heads will illuminate & the LED status indicator will rapidly flash red. This test will be repeated every 30 days.

Annual Duration Test

- After 11 monthly function tests, the luminaire will carry out a full rated duration test.
- The test will last 3 hours. During this time the lamp heads will illuminate & the LED status indicator will rapidly flash red.

FAULT INDICATORS

If during a self-test a fault is detected, it will be indicated as follows by the **RED** LED indicator:

- **1 flash every 3 seconds** – Fault with battery. Maybe a battery failure & requires changing, or not connected properly.
- **2 flashes every 3 seconds** – Fault with LED module.
- **3 flashes every 3 seconds** – Duration time not being met so batteries will need to be replaced.

NOTES

1. After completion of the tests listed above the luminaire will repeat the process of 11 monthly function tests & 1 annual duration test.
2. If there is a power outage before any of the tests, the luminaire will delay the test appropriately to ensure a minimum 24-hour charge is received.
3. A fault indicator will continue until the fault is rectified.
4. A reset of the mains supply will be required to clear the fault code once it has been rectified.

MANUAL TESTING

As this is a self-test product this is NOT recommended.

