

## KANSAS LIFE INSTRUCTIONS

Issue 03 April 2026

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### Thank you for your purchase

For best results, have this light fitting installed by a qualified electrician, following these instructions. Keep this leaflet for future reference.

### Safety

- Mains powered – installation must comply with building and electrical regulations.
- Always switch off and isolate the power before installation or maintenance.

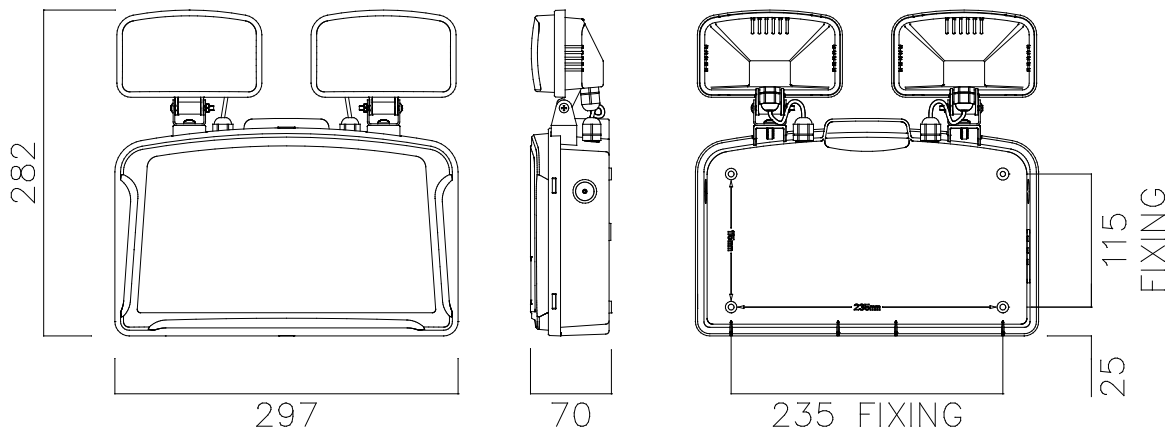


### Need Help?

For advice or accessories, contact us at the address above. Please have the product name, model, and purchase details ready

## STANDARD VERSION

### 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. Connect the power supply & check that the green indicator LED illuminates.

\*\*\*\*\* **IMPORTANT WARNING** \*\*\*\*\*

The luminaire uses Lithium Iron Phosphate cells (LiFeP04) in its battery pack. These batteries include overcharge protection circuitry and a Negative Temperature Co-efficient (NTC) third lead to control thermal runaway.

When the battery is no longer able to provide its full rated duration, it must be replaced with an identical type. Please consult the manufacturer if in doubt.

### MAINTENANCE

1. This luminaire MUST be disconnected before the circuit it is installed on is subjected to any high voltage or insulation resistance testing, otherwise irreparable damage will occur to luminaire components.
2. Ensure cleanliness of luminaires is maintained so as not to affect performance.
3. **The battery in this luminaire must be replaced when it is no longer able to meet its rated duration.**
4. **The luminaire operating temperature range is 0°C - +40°C.**

## TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedures in line with BS 5266 & BS EN 50172:

### Monthly Functional Test

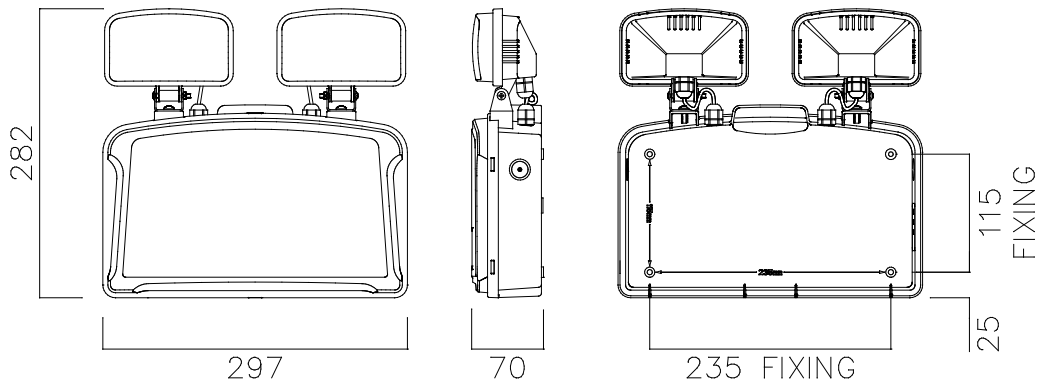
- Simulate a mains supply failure by isolating the circuit (ensuring if it is safe to do so) or by way of a test key switch if fitted into the circuit.
- Do this for a period of time (usually 30s) to check that the light source illuminates from the battery supply.
- Once complete, ensure the normal supply is restored & that the green LED charge indicator illuminates.
- Log result/comments in the emergency lighting logbook.

### Annual Discharge Test

- Simulate a mains supply failure by isolating the circuit (ensuring if it is safe to do so) or by way of a test key switch if fitted into the circuit.
- This should be for the full 3-hour rated duration.
- Check that the light source illuminates & remains illuminated for the full rated duration period.
- Once complete, ensure the normal supply is restored & that the green LED charge indicator illuminates.
- Log result/comments in the emergency lighting logbook.

## SELF TEST VERSION

### LUMINAIRE INSTALLATION



9. 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).
10. Secure the luminaire in position using the drill out points provided on the back wall of the luminaire body.
11. Drill out the desired 20mm diameter cable entry point (located on each side wall of the luminaire body) & fit the cable gland provided.
12. Route the power supply cable through the cable gland to the terminal block and terminate ensuring correct polarity is observed.
13. Plug the Battery loom onto the PCB connector marked BATT.
14. 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.
15. Refit the front cover to the luminaire body.
16. 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.
17. 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').

\*\*\*\*\* IMPORTANT WARNING \*\*\*\*\*

**The luminaire uses Lithium Iron Phosphate cells (LiFeP04) in its battery pack. These batteries include overcharge protection circuitry and a Negative Temperature Co-efficient (NTC) third lead to control thermal runaway. When the battery is no longer able to provide its full rated duration, it must be replaced with an identical type. Please consult the manufacturer if in doubt.**

### MAINTENANCE

5. DO NOT INSULATION TEST.
6. Ensure cleanliness of luminaires is maintained so as not to affect performance.
7. **The battery in this luminaire must be replaced when it is no longer able to meet its rated duration.**
8. **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

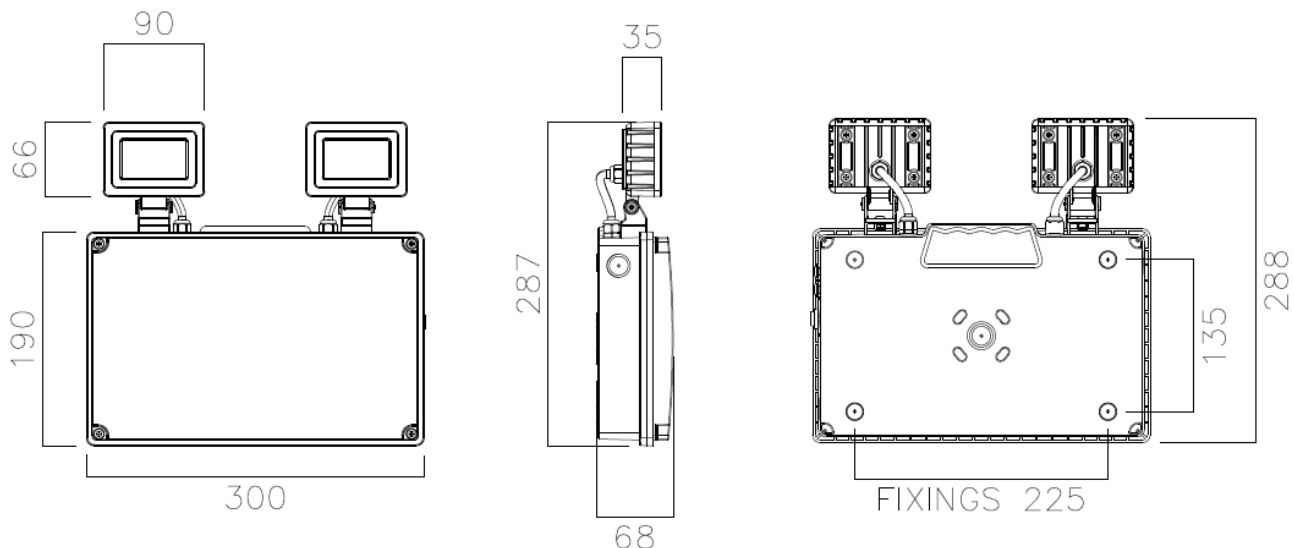
1. After completion of the tests listed above the luminaire will repeat the process of 11 monthly function tests & 1 annual duration test.
2. If there is a power outage before any of the tests, the luminaire will delay the test appropriately to ensure a minimum 24-hour charge is received.
3. A fault 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.

## BLACK STANDARD VERSION

### LUMINAIRE INSTALLATION



1. Unscrew 4 corner screws to remove the front cover from the main body.
2. Secure the luminaire in position using the drill out points provided on the back wall of the main 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. Connect the power supply and make sure the green charge indicator and lamp indicator LEDs illuminate.

\*\*\*\*\* IMPORTANT WARNING \*\*\*\*\*

**The luminaire uses Lithium Iron Phosphate cells (LiFeP04) in its battery pack. These batteries include overcharge protection circuitry and a Negative Temperature Co-efficient (NTC) third lead to control thermal runaway.**

**When the battery is no longer able to provide its full rated duration, it must be replaced with an identical type. Please consult the manufacturer if in doubt.**

**MAINTENANCE:**

9. This luminaire **MUST** be disconnected before the circuit it is installed on is subjected to any high voltage or insulation resistance testing, otherwise irreparable damage will occur to luminaire components.
10. Ensure cleanliness of luminaires is maintained so as not to affect performance.
11. **The battery in this luminaire must be replaced when it is no longer able to meet its rated duration.**
12. **The luminaire operating temperature range is 0°C - +40°C.**

**TESTING FOR EMERGENCY LUMINAIRES:**

Recommended routine test procedures in line with BS 5266 & BS EN 50172:

**Monthly Functional Test:**

- Simulate a mains supply failure by isolating the circuit (ensuring if it is safe to do so) or by way of a test key switch if fitted into the circuit.
- Do this for a period of time (usually 30s) to check that the light source illuminates from the battery supply.
- Once complete, ensure the normal supply is restored & that the green LED charge indicator illuminates.
- Log result/comments in the emergency lighting logbook.

**Annual Discharge Test:**

- Simulate a mains supply failure by isolating the circuit (ensuring if it is safe to do so) or by way of a test key switch if fitted into the circuit.
- This should be for the full 3-hour rated duration.
- Check that the light source illuminates & remains illuminated for the full rated duration period.
- Once complete, ensure the normal supply is restored & that the green LED charge indicator illuminates.
- Log result/comments in the emergency lighting logbook.

## DALI ADDRESSABLE TEST VERSIONS

### ▼ Precautions

**Normal Operation:** The green LED indicator stays on when connected to mains supply. The indicator will turn off when the mains supply fails, or when the internal charger malfunctions, or when the luminaire is in test mode.

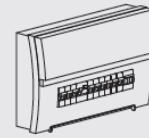
**Battery:** LiFePO4 rechargeable battery pack. Battery should be replaced when it reaches the end of its lifetime. To avoid damage to the luminaire and ensure its performance, the battery should be replaced with same type. LiFePO4 battery should not be charged below 0°C or above 60°C according to IEC 60598-2-22. When the battery temperature is detected below 0°C or above 60°C, the LED indicator will be off and the battery will stop charging.

**Test Switch:** Press the test button, LED indicator will turn off / flash and the luminaire will be powered by the battery pack. The light source is non-replaceable. When the light source reaches the end of its lifetime, the whole luminaire shall be replaced.

### ▼ Installation Procedure

#### **WARNING** ⚡

1. Switch off before installation or maintenance.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.
4. This luminaire is not intended for use in high-risk task area lighting.

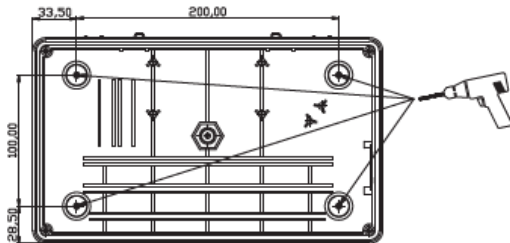


Turn Off  
Power Supply

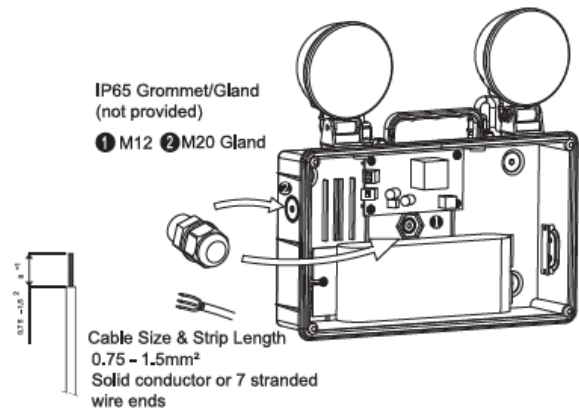
Read instructions and check you have all the tools and accessories to complete the installation correctly.

### ▼ Surface Mount

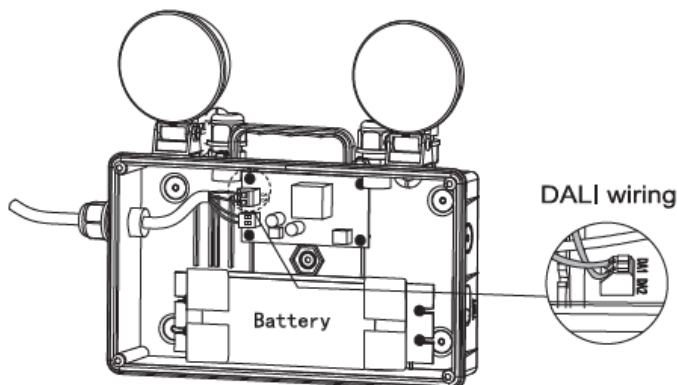
1. Remove the bracket with a flat screwdriver



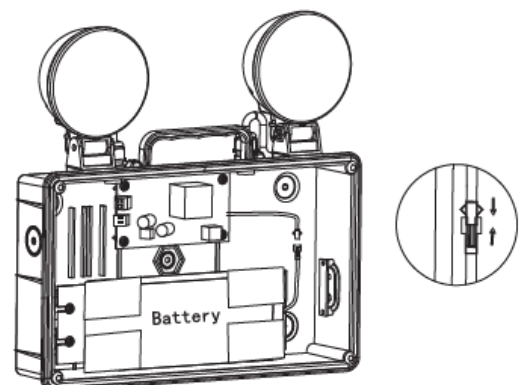
2. Fix the bracket onto the surface



3. Connect the mains supply wires to the terminal, plug it onto the PCBA.

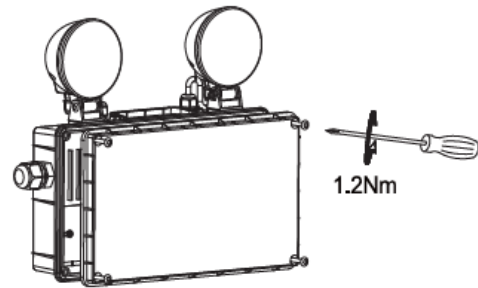
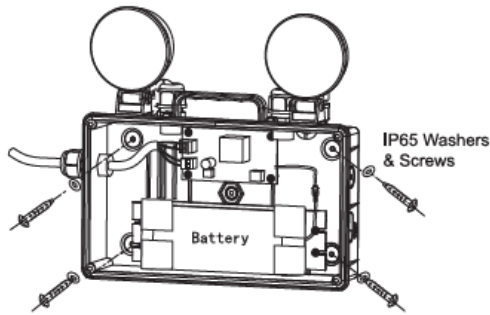


4. Connect the battery.



5. Install the lamp to the wall.

6. Lock the front cover.



**▼ Status Indication for Automatic Test Version**

**1. Instruction for Automatic test function**

Once the unit is powered up, a self-diagnostics test will be automatically initiated:

- Check battery, lamp, charge board and transfer fault all the time.
- Run 3mins duration test every month.
- Run 1H or 3H duration test every year.

Note: All test functions are preset and does not need field adjustment.

•	One flash, 4s pause	Battery disconnected
••	Two flashes, 4s pause	Low battery voltage
•••	Three flashes, 4s pause	Charge board fault
••••	Four flashes, 4s pause	AC/DC transfer fault
•••••	Five flashes, 4s pause	LED lamp fault

Note: When the fault is recovered, press the test button for 2s, the red flashing indicator will turn green. The fault is cleared, and the unit is back to normal.

**2. Dual Colour LED Status Indicator Meaning**

- Green indicator solid on: Ready/ Normal Operation
- Red indicator flashes: Require service

**3. Button Test**

Press test button once	run a 30s duration test
Press test button twice within 2s	run a 3mins duration test
Press test button 3 times within 2s	run a 30mins duration test
Press test button 4 times within 2s	run a 1H or 3H duration test

**▼ Instructions for DALI test option**

**1. Instruction for DALI test function**

Once the unit is powered up, a self-diagnostics test will be automatically initiated:

- Function test: Run a 5s function test each week.
- Duration test: Run a 1H or 3H self-discharge each 52 weeks.

After the first power on and charging for 20 hours, it will perform a 1H or 3H self-discharge.

Note: All test functions are preset and does not need field adjustment.

**2. Button Test**

Press the test button once	Run a 5s function test
Press and hold the test button	Enter emergency mode
Release the test button	Exit emergency mode

**3. System status is indicated by a bi-colour LED and by a DALI status flag**

LED indication	Status	Commentary
Permanent green	System OK	
Fast flashing green (0,1 sec. on - 0,1 sec. off)	Function test underway	
Slow flashing green (1 sec. on - 1 sec. off)	Duration test	
Red LED on	Load failure	Open circuit / Short circuit / LED failure
Slow flashing red (1 sec. on - 1 sec. off)	Battery failure	Battery failed the duration test or function test/ Battery is defect / Incorrect battery voltage
Fast flashing red (0,1 sec. on - 0,1 sec. off)	Charging failure	Incorrect charging current
Double pulsing green	Inhibit mode	Inhibit Mode & Rest Mode have to be activated by controller. Inhibit mode is active for a duration of 15 minutes. Rest Mode activation is only possible after the mains supply has been switched off. Contrary to this, if the Inhibit mode has been activated in advance, Rest mode will be automatically switched on if the mains supply is switched off.
Binary transmission of address via green/red LED	Address identification	Provides the DALI short address of the fitting via binary code, Red=0, Green=1, Example: 000011= SA3
Green and red off	Emergency mode	Battery operation (Emergency mode)