

LEXINGTON SLIM PRO (ISO LEGEND) SELF TEST EXIT BOX LUMINAIRE INSTRUCTIONS Issue 02 23rd December 2021

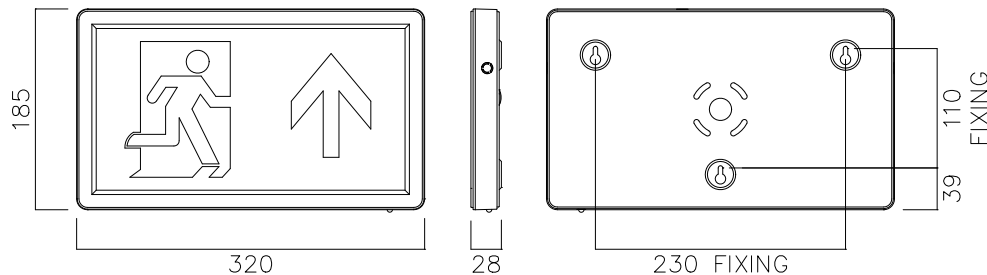
THANK YOU for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions and then pass the instructions to the appropriate person for retention and future reference.

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 luminaire must be isolated.



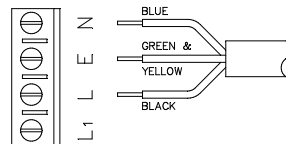
INSTALLATION SUPPORT If installation advice or accessories are required, please contact us at the above address. When reporting a suspected fault or seeking installation support the problem is likely to be resolved more quickly if you have full product details to-hand, as well as details of when and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

LUMINAIRE INSTALLATION

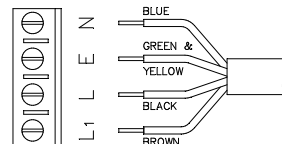


1. Remove small security screw from bottom edge of luminaire.
2. Unclip the bottom edge of the front cover using a flat blade screwdriver by inserting into & releasing the 2 clips on the bottom edge, then lift upwards to free it from the top edge of the body.
3. The front cover can be fully removed by unclipping the small 3-pin connector from the main PCB.
4. Prepare the fixing surface at the fixing centres shown in the diagram & provide a mains supply cable.
5. Pass the mains supply cable through the cable entry hole in the base, offer the base up to the fixing surface & secure.
6. Route the mains supply cable to the terminal block & terminate, ensuring correct polarity is observed.

FOR NON-MAINTAINED OPERATION



FOR MAINTAINED OPERATION (SWITCHABLE)



NOTE! THIS LUMINAIRE MUST BE EARTHED **NOTE! THIS LUMINAIRE NEEDS A PERMANENT LIVE SUPPLY**

7. Connect the battery pack to the 2-pole connector on the main PCB & write the "installed date" in the allocated position.
8. Reconnect the front cover 3-pin connector to the main PCB.
9. This product comes with the Euro "Running Man legend with DOWN arrow" legend (as per diagram above) as standard. If an alternative legend is required, see ALTERNATIVE LEGEND PANELS section below.
10. Refit the front cover by locating the top edge into the body, then rotating down to clip in the bottom edge. Refit & tighten the small security screw.
11. Connect the power supply & check the green LED charge indicator illuminates.

ALTERNATIVE LEGEND PANELS (SUPPLIED SEPARATELY)

This product comes as standard with an ISO "Running Man Through Door" legend fitted. Alternative direction ISO legends & Euro "Running Man to Door" legends are also available from NVC – Please contact your local supplier.

To change legends:

1. Remove the front cover as detailed above & disconnect the connector from the main PCB.
2. On the inside face, unclip the illuminated panel by flexing open front moulded trim on one side.
3. This will expose the thin legend panel, so it can be removed & replaced with the new one.
4. Clip the illuminated panel back into the front moulded trim.
5. Refit the front cover as detailed above.

OPERATION / MAINTENANCE

1. This unit is using Lithium Iron Phosphate cell (LiFeP04) 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 identical batteries are used in any replacement maintenance.
2. Nominal battery life is designed to be at least 4 years. The battery should be replaced when it no longer achieves its 3-hour rated duration.
3. **DO NOT INSULATION TEST.**
4. Ensure cleanliness of luminaires is maintained so as not to affect performance.
5. The luminaire operating temperature range is 0°C - +40°C.

SELF TEST FUNCTION

This product 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 to BS 5266 and BS EN 50172.

Initial Test

- After receiving a permanent mains power supply, the luminaire will undertake a 30s function test, then charge for 24 hours before undertaking a 3-hour duration test.
- During this test the LED module will illuminate & the green LED indicator will rapidly flash red.

Monthly Function Test

- After installation the luminaire will carry out a 30 second function test. This will be 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 LED module will illuminate & the green LED indicator will rapidly flash red.
- This test will then be repeated every 30 days.

Annual Duration Test

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

FAULT INDICATORS

If during the 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 uninterrupted charge is received.
3. A fault indication will continue until the fault is rectified.
4. A reset of the mains supply will be required to clear the fault once it has been rectified.

MANUAL TESTING

Manual testing over and above the preset self-test schedules is not recommended.