

NEBRASKA LIFE DAM3 EMERGENCY BULKHEAD INSTRUCTIONS Issue 01 16th August 2023

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.



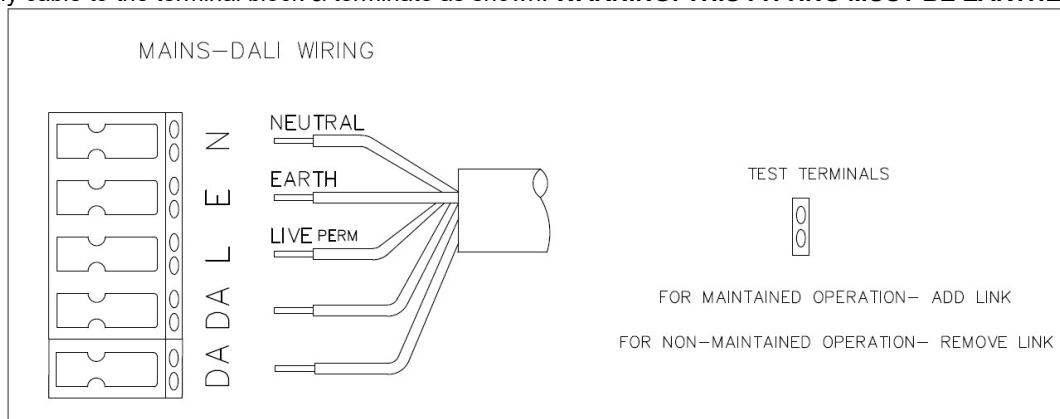
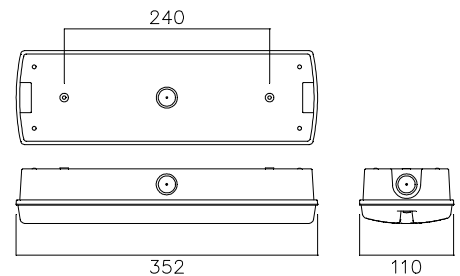
INSTALLATION SUPPORT If installation advice or accessories are required, please contact us at the above address. When reporting a suspected fault or seeking installation support the problem is likely to be resolved more quickly if you have full product details to-hand, as well as details of when and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

LUMINAIRE INSTALLATION

1. Remove controller by unscrewing the two screws.
2. Hinge the gear tray open by pushing apart the two retaining clips.
3. Screw fix the base to the chosen mounting surface using the two screw fixing points in the base moulding at 240mm centres. These should be drilled to a size to suit the fixing screws.

Note: It is the responsibility of the installer to ensure these fixing points are sealed to ensure the IP65 rating is maintained. The use of silicone sealant is recommended.

4. Select one of the available cable entry points on the base (one on either end, on one side, or through the bottom) & drill to suitable size to suit IP65 rated (or better) cable entry gland (not provided).
5. Install cable entry gland.
6. Depending on which variant of the product you have, determine your required function & route the appropriate power supply cable to the terminal block & terminate as shown. **WARNING: THIS FITTING MUST BE EARTHED**



7. Tighten cable gland to seal & secure mains cable.
8. Connect the battery pack to the PCB by connecting the female socket on the battery wires to the male plug mounted on the PCB, ensuring the correct orientation.
9. Enter the "Installation Date" in the appropriate place on the battery pack label.
10. Hinge the gear tray closed & snap fit of clips to secure.
11. Refit the controller & secure using the two screws.
12. Reconnect the power supply & check the green LED charge indicator illuminates.
13. The luminaire operating temperature range is 0°C - +25°C.

RECESSED MOUNTING KIT INSTALLATION (OPTIONAL EXTRA)

1. Prepare ceiling by cutting suitable size aperture. We recommend 360mm x 110mm.
2. Bend springs up to vertical & push the back of the frame up through aperture, then allow the springs to snap back against the top of the ceiling to retain.
3. Drill out the two fixing points at 240mm centres in the base of the luminaire & then secure the base to the frame using 2-off M4 screws aligned with the tapped holes on the brackets of the frame.

OPERATION / MAINTENANCE

1. **This luminaire uses a Lithium Iron Phosphate cell (LiFeP04) in its battery pack and is protected with a dedicated battery management system.**
2. If the battery is replaced, it is imperative that the exact type, including voltage, capacity and chemistry as the original manufacturer's battery is used. Please consult the manufacturer when replacing the battery.
3. Please ensure where applicable that the self-adhesive escape route legend (included) is oriented correctly, fixed securely, and that the viewing distance in line with BS 5499-4:2013 and BS EN 1838:2013 is not compromised.
4. Ensure cleanliness of luminaires is maintained so as not to affect the performance and/or compromise the light level.

DALI/AutoTest variants automatically test their function and performance in accordance with BS EN 62034 and BS EN 50172:2004.

A 30 second function test is performed automatically at 30-day intervals. This test can be initiated manually at any time by switching the live supply Off/On twice within 5 seconds.

Full duration tests are performed automatically once a year and can be manually initiated subsequent to an uninterrupted charge period of not less than 24 hours.

Note:

The control gear in this product defaults to its automatic self-test facility in the absence of a DALI subnet supply. As a consequence, tests may occur at any time and caution should be taken where this may be inconvenient, such as in hospitals, hospitals, and other premises with sleeping accommodation. The addition of the DALI subnet alleviates this as tests can be scheduled to occur at periods of low risk and least disturbance.

Commissioning:

On initial power up, DALI and AutoTest variants will begin an automatic commissioning process as outlined in the table below. The permanent live supply should not be interrupted during this process. During the process emergency operation will be inhibited.

LED Indication	Stage / Period	Status
Green 0.5Hz flash	1 - 24h	Initial Battery Charge
Green 0.5Hz flash	2 – Rated Duration	Duration Test
Green 0.5Hz flash	3 – 24h	Battery Recharge
Green with 10 second pulse	4 – Normal Operation	Commissioning Complete

LED Status Indicator:

LED Indication	Status
Green with 10 second pulse	Normal, Commissioned, Standby Mode
Green 0.5Hz flash	Commissioning or Duration Test in Progress
Green 2Hz flash	Function Test in Progress
Green double pulse, 10 seconds off	Rest Mode or Flat Battery
Red 0.5Hz flash	Charging or Battery Fault
Red 2Hz flash	Lamp Fault
Off	No Power and Battery Disconnected / Flat

DALI Communications:

DALI variants allow two-wire communication between the units 'DA' terminals and a central monitoring & control system designed to meet the standards of BS EN 62386, supporting parts 101, 102, and 202.