

REPLACEMENT BATTERY TYPE:
6.4V 3300mAh LiFePO4. Replacement battery code:
EB26.

BATTERY REPLACEMENT:
If after routine operation check, the lamp does not remain lit for the three hour period, a new battery pack may be required.

- 01) Switch off the electricity at the mains.
- 02) Allow batteries to fully discharge then reconnect to supply and allow to charge for 24 hours.
- 03) Test again for 3 hours, if light does not remain lit change the battery pack as follows:
- 04) Isolate the mains supply to the unit.
- 05) Remove the cover of emergency pack.
- 06) Unplug the battery lead.
- 07) Remove the battery pack.
- 08) Write current date on the new emergency battery.
- 09) Fit new battery pack.
- 10) Replace cover.
- 11) Hold test button for 15 seconds to reset fitting.
- 12) Restore power and allow to charge for 24 hours.
- 13) Perform operation check and update test record.

IMPORTANT NOTES:
The battery charging circuit and components are separated from the mains by at least basic (single layer) insulation.

When energised by a constant mains supply, the battery will be constantly charged whether or not the lamp is illuminated. On failure of the constant mains supply, the fitting will switch automatically using transistorised switching from battery charging to battery discharge powering the lamp whether or not the lamp was illuminated before the power failure.

EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective February 2014). Environment Agency Registered Producer: WEE/GA0248QZ.

When your product comes to the end of its life or you choose to replace it, please recycle it where facilities exist - do not dispose with household waste.

INDUSTRIAL BATTERIES:

Within certain products Eterna Lighting Ltd places lead acid, lithium ion, nickel cadmium & nickel metal hydride batteries on the market. Industrial batteries are subject to waste regulation under the Waste Batteries and Accumulators Regulations 2009 and should be disposed of responsibly. Purchasers may be able to dispose of their waste industrial batteries locally via legitimate licensed trade waste contractors. Eterna is obliged to take back, free of charge and within a reasonable time, waste industrial batteries of the same chemistry supplied to a Purchaser, for treatment and recycling and is required to do this in any calendar year new industrial batteries are placed on the market. In certain circumstances, this may include batteries not originally supplied by Eterna. If any Purchaser requires Eterna to take back Industrial batteries, they should write to the Operations Director, Eterna Lighting Ltd, Huxley Close, NN8 6AB, who will then advise on the necessary arrangements for the receipt, proper treatment and recycling of, the waste industrial batteries.

CLEANING:
Clean this fitting only with a soft dry cloth. Do not use any chemical or abrasive cleaners.

IF YOU EXPERIENCE PROBLEMS:
If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.

eterna.

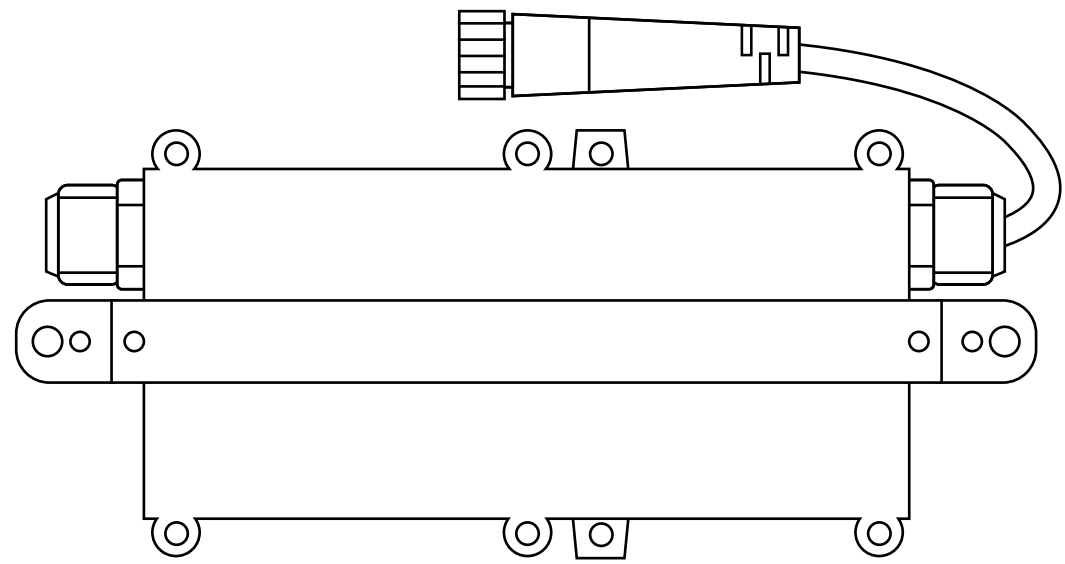
INSTALLATION INSTRUCTIONS



E07ARES

Ara

Ara Highbay Emergency 5W Self-Test Pack



Huxley Close, Wellingborough, Northamptonshire, UK, NN8 6AB
Unit B4D, Airport Business Park, Cloghran, Co. Dublin, Ireland, K67X 7H9

Email: sales@eterna-lighting.co.uk / technical@eterna-lighting.co.uk
Visit our website: www.eterna-lighting.co.uk

Issue 0724

Made in China

Pack contents: 1 x Emergency battery pack, 2 x locking nuts, 2 x carabiner clips

A guide for qualified electricians

READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This fitting must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock of MCB.

Disconnect from the electrical supply before flash or high voltage testing.

This unit is suitable for indoor use only.

Do not cover the fitting with any insulating materials.

This product is designed for permanent connection to fixed wiring: this should be a suitable circuit (protected with the appropriate MCB or fuse)

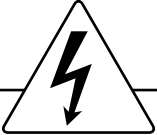
When making connections, ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

This product is double insulated. Do not connect any part to earth.

Connect the luminaire driver to the terminal block according to the wiring diagram.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out: these tests are specified in the Wiring Regulations (BS7671) referred to in the Building Regulations.

The batteries supplied with this fitting are a consumable part and therefore may be outside of any warranty offered.



DANGER!

NOTE: this unit has a permanent live mains supply, please ensure you isolate before removing cover. There is also a separate switched supply that controls the emergency light fitting - this also needs to be isolated.

INSTALLATION:

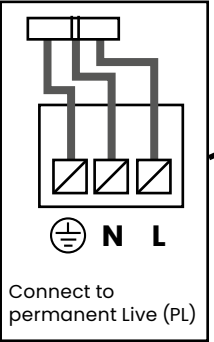
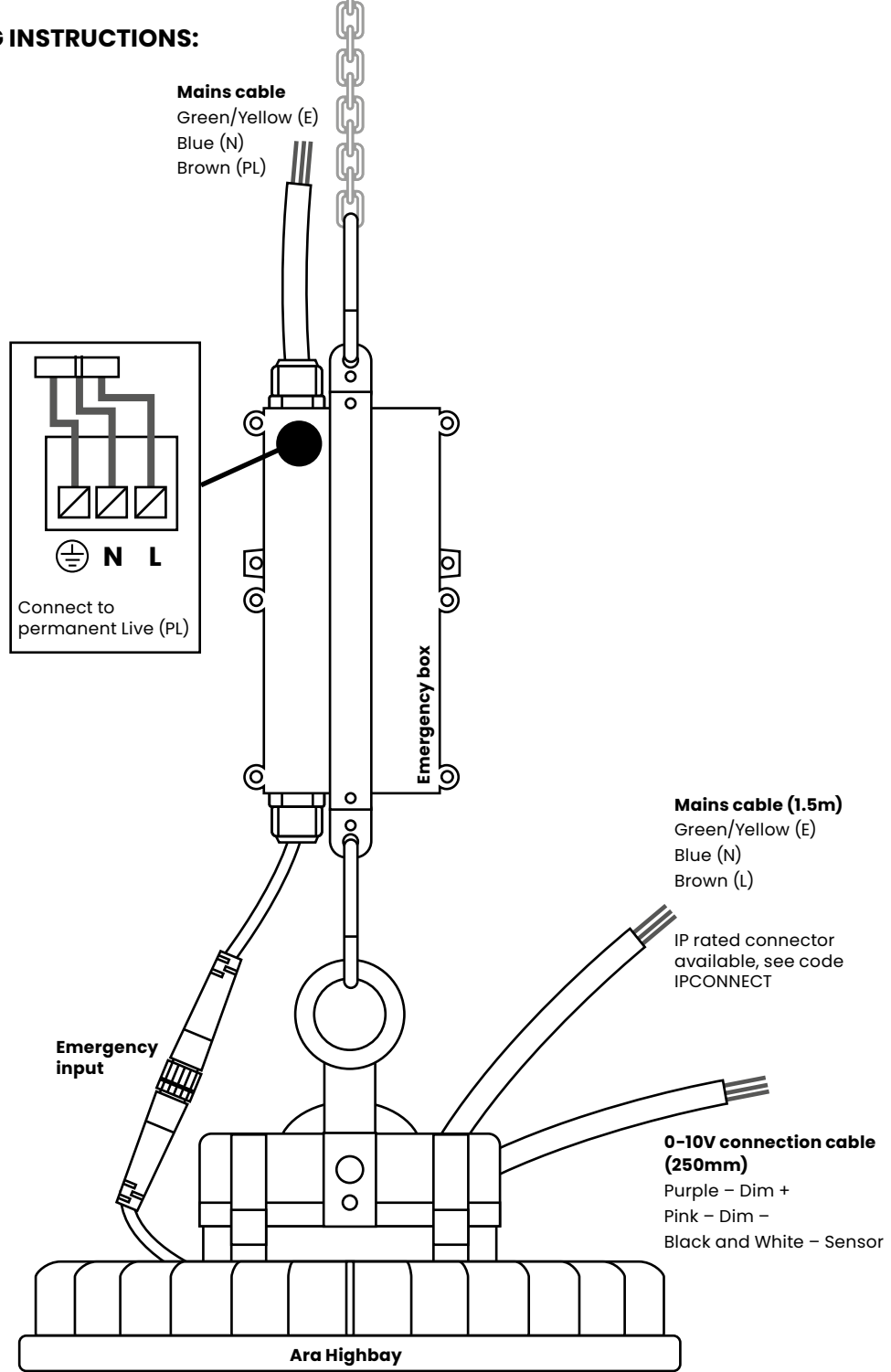
Please refer to the wiring diagram guide (opposite).

- 1) Switch off mains before commencing installation and remove the appropriate circuit fuse or MCB.
- 2) Ensure the battery plug is connected to the emergency module inside the emergency pack.
- 3) Mark the current date onto the battery pack.
- 4) Ensure that the emergency pack is secured in the suspension bracket.
- 5) Remove Highbay fitting from the hanging chain, keep eyebolt attached to the Highbay.
- 6) Connect the emergency pack to the Highbay using the carbine connection, then connect the emergency pack to the hanging chain using the second carbine connector.
- 7) Connect the 3-pin lead marked with 'Connect to E07ARES' to the emergency pack and screw tight.
- 8) Connect the 240V mains permanent live to the battery pack, and ensure the switch live is connected to the Highbay.

Green/Yellow (Earth)
Blue (N)
Brown (PL)

- 9) Restore power, a green indicator on the emergency pack will illuminate to show that batteries are charging.

WIRING INSTRUCTIONS:



OPERATION CHECKS:

This product is fitted with an automatic, self-test function that will commission and test itself in accordance with the requirements of the British Standards. Monthly, semi-annual and annual tests will be automatically completed as detailed below with tests including battery charge condition, functional test and duration test.

Monthly – two minute functional test
Semi-Annual – full three-hour duration test
Annually – full three-hour duration test

- When the fitting is first installed, and the battery is fully charged the automatic test system will perform the first monthly 2 minute test, then at 30 day intervals it will perform the same 2 minute test a further 4 times.
- At 6 months the automatic test system will perform a full check to ensure the battery discharge duration is greater than 3 hours then will return the fitting to normal operation
- The automatic test system will then perform a further 5 monthly tests at 30 day intervals and finally a full duration test at 1 year to ensure the battery discharge duration is greater than 3 hours, then return the fitting to normal operation
- The schedule of these tests will be remembered if no power is supplied to the luminaire
- If there is a mains failure during the self-test operation the unit will go into emergency mode
- If there is a mains failure in 24 hours before a test is due to be conducted, the test will automatically be postponed until sufficient time is allowed to recharge the battery.

TESTING:

This product is designed to conduct self-testing in accordance with BS EN 62034, the results of monthly and annual tests should be endorsed on the test record form supplied.

DAILY:

Visual inspection of the battery charge LED.

EACH MONTH:

The product will be energised from its battery for adequate time to ensure that emergency mode is functioning correctly.

ONCE EACH YEAR:

The product will be placed into emergency mode and check that the duration provided meets the specified time period.

There is a control button within the bulkhead:

NOTE: This can only be completed under mains conditions and accordingly must only be conducted by a qualified electrician.

- System reset function – Press and hold the test button for 15 seconds. The buzzer will sound indicating that the system timing has been reset.
- Press and hold the test button and release after the buzzer sounds once. The emergency LEDs will be on, none of the indicators will be on. Press the test button again to return to normal operation.

For full testing schedule, please visit:
www.eterna-lighting.co.uk/testing-schedule/

PERFORMANCE AND FAULT INDICATORS:	
Normal operation	Constant green LED
Monthly duration test underway	Green indicator flashing every second
Annual duration test underway	Green indicator flashing twice per second
Battery circuit failure	Red indicator flashing every second – buzzer will sound twice then twice per minute thereafter
Battery over-discharge	Red indicator remains on – buzzer will sound twice per minute
Light source failure	Red indicator flashing twice per second – buzzer will sound twice per minute
LED indicator off	in emergency mode (mains failure)

