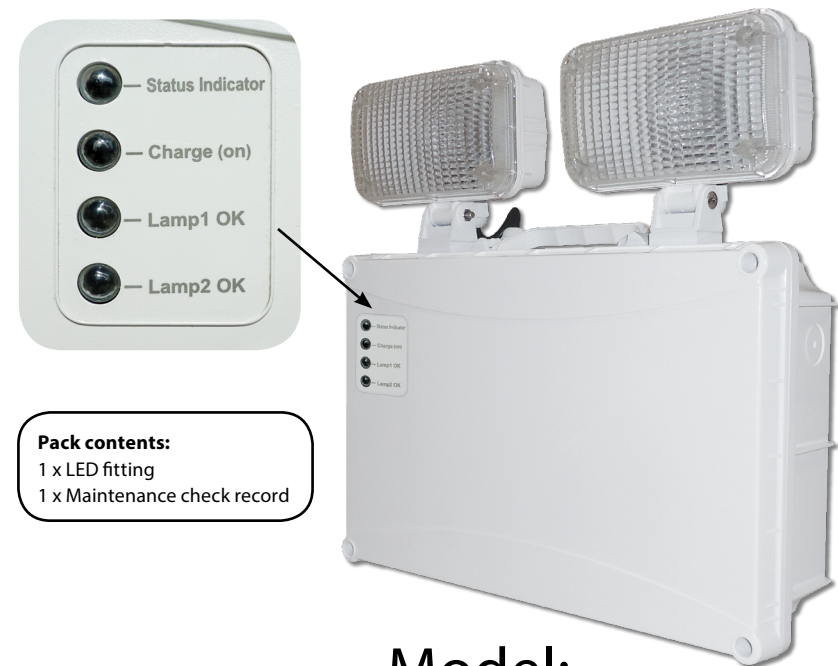


## INSTALLATION INSTRUCTIONS

A guide for qualified electricians

3 HOURS DURATION IN EMERGENCY MODE



**Pack contents:**

- 1 x LED fitting
- 1 x Maintenance check record

Model:  
**SELTWN SPOT**

**Self-Test IP65 LED Emergency Twinspot Fitting**

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION  
AND RETAIN FOR FUTURE REFERENCE**

**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 2nd January 2007). 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.

**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.



Email: [sales@eterna-lighting.co.uk](mailto:sales@eterna-lighting.co.uk) / [technical@eterna-lighting.co.uk](mailto:technical@eterna-lighting.co.uk)

Visit our website: [www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

Made in China

## READ THIS FIRST:

**This product 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 off MCB.

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

This unit is suitable for indoor and outdoor use only.

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Ensure that the fitting will be accessible after installation for maintenance and self testing.

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 must be connected to earth termination.

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 current IEE wiring and building regulations.

**NOTE: please keep this instruction booklet and the test record in a safe place. A fire officer or other authorised person may want to see your record of inspection and testing.**

## LAMP REPLACEMENT:

This luminaire has sealed LED lamps and is maintenance free, no lamp replacement is required.

## 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) Remove four screws and lift off front cover plate.
- 03) Unplug the battery lead.
- 04) Remove the two screws from the clamping bracket that secure the battery pack in place and lift the battery pack out of the fitting.
- 05) Write current date on the new battery pack and fit new battery pack securing in place with the screws, nuts and washers previously removed.
- 06) Reconnect battery.
- 07) Replace and fix front cover plate.
- 08) Restore power.

## REPLACEMENT BATTERY TYPE:

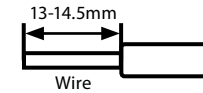
3.6V 6Ah Ni-CD batteries.

## 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.

## INSTALLATION:

**NOTE:** Wires should be stripped 13-14.5mm for best fit with the push-fit terminal block.



Choose the location of your new fitting giving consideration to all of the points listed above.

- 01) Remove four screws and lift off front cover.
- 02) Make cable entry hole using an appropriate hole cutter and drill out fixing points in back of housing.
- 03) Using the back of the fitting as a template, mark and drill out fixing holes on your mounting surface.
- 04) Prepare fixing points to mounting surface as appropriate.
- 05) Fitting a cable gland will also be necessary if moisture or weather-proofing is required.
- 06) Thread the supply cable through the gland and into the fitting.
- 07) Secure the back of the fitting to the mounting surface using suitable fixings and apply silicon sealant to the fixings if IP rating is to be maintained.
- 08) Connect the un-switched supply cable to terminals marked L E N.
- 09) Mark the current date on the battery pack.
- 10) Connect the battery lead.
- 11) Refit the front cover and tighten screws.
- 12) Restore the power and check fitting is working correctly. Three green LED lights should always be present indicating the fitting is charging and both lamps are healthy.

## IMPORTANT NOTES:

The control gear must be operated only within the enclosure supplied. The gear must not be operated outside of the enclosure.

The battery charging circuit and DC ballast 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. Both the mains and battery supplies incorporate fuse protection, see fitting for location and rating.

## 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 and annual tests will be automatically completed as detailed below with tests including battery charge condition, functional test and duration test.

Monthly – ten minute functional test

Annually – full three-hour duration test

- On installation a date will be randomly assigned for the first monthly and first annual test.
- The initial monthly test will be between 16 and 30 days from installation (monthly tests will then be conducted every 30 days).
- The initial full-duration test will be between 200 and 360 days from installation (annual tests will then be conducted every 360 days).
- The schedule of these tests will be remembered for a period of 7 days if no power is supplied to the luminaire.
- 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.
- If there is a mains failure during the self-test operation the unit will go into emergency mode.

## TESTING

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

Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing of the emergency lighting system or during the subsequent recharge period, all full duration tests shall wherever possible be undertaken preceding time of low risk to allow for battery recharge.

### 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 fitting:

- Press for 1 second to reset the timer function, the monthly test will then be conducted after 30 days and the annual test after 360 days.
- Press for 3 seconds to initiate a 5 minute functional test.

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



Auto Test Switch

## PERFORMANCE AND FAULT INDICATORS:

Duration test underway	red indicator flashing rapidly
Battery circuit failure	red indicator flashing once every 3 seconds
Light source failure	red indicator flashing twice every 3 seconds
Failure of duration test	red indicator flashing three times every 3 seconds
Auto test function fails	red indicator flashing four times every 3 seconds



## INSTALLATION, MAINTENANCE AND OPERATION CHECK RECORD

Self Test Product Description:

Installation  
Date:

Installed  
By:

[illegible]