

Construction sites

Continuously switching off the mains power supply that is connected to emergency light fittings during the construction phase of an installation will cause these fittings to discharge and charge their batteries many times over a short period; this can shorten life of the battery. ABB does not recommend such practices and

may not honour the warranty on batteries when they are subjected to such harsh operating conditions. Emergency light fittings are designed to be discharge tested once every 6 months as per AS/NZS 2293.2, subjecting the product to repeated discharge or charge cycles is regarded as an abuse of the fittings.

Troubleshooting guide

If you have installed and connected the fitting as per the instructions listed earlier and it does not function correctly, use the following table as a guide to fixing the problem. Look up the type of fault in the left column and check the possible causes from the right column.

If the fitting still does not work after checking these possible causes, contact ABB customer service in Australia on 1800 60 20 20.

No.	Fault	Possible causes
1	LED light source and indicating LED not lit	AC supply not connected; or AC supply turned off; or Test switch damaged
2	LED light source is lit but indicating LED not lit	Test switch damaged; or Battery not connected or faulty
3	LED light source does not switch to emergency mode when the test button is pressed	Test switch damaged; or Battery not connected or faulty
4	LED light source works momentarily on emergency when the test button is pressed	Battery not yet charged (allow up to 24 hours)

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INSTALLATION MANUAL

Stanilite® Economy Spitfire® LED recessed Standard



This document covers	What's inside the box
Safety warning	Lamp head assembly
Installation instructions	Battery and control pack
Removal instructions	Accessory kit
Testing precautions	Installation manual
Troubleshooting guide	Warranty information

Thank you for choosing ABB product

Please read this document thoroughly before commencing installation and retain for future reference. Contact ABB customer service in Australia on 1800 60 20 20 if you need any assistance. The installation instructions were correct at the time of print. To reflect changes in technology and Australian standards; ABB reserves the right to amend the instructions without notice. Updated document can be found on the Stanilite website.

Safety warning

In Australia and New Zealand, only licensed electricians are permitted by law to work with 240 volt electrical installations. Do not attempt to install or connect this product unless you are a licensed electrician. Turn off and isolate the electrical supply before connecting this fitting to the building wires. Do not touch the terminals of the terminal block when the light fitting is energised. The only user-serviceable parts are the lamp head assembly and battery pack. LED light source is not user-serviceable. Do not attempt to service other parts of the fitting as this will void the warranty. As the installer, it is your responsibility to ensure

compliance with all relevant building and safety codes, (ie: AS/NZS 3000, AS/NZS 2293). Refer to the applicable standards for data and mains cabling installation procedures and requirements. As per AS 60598.2.2:2016 the recessed luminaire classification is CA90.

Note: Not suitable for use with loose-fill insulation.

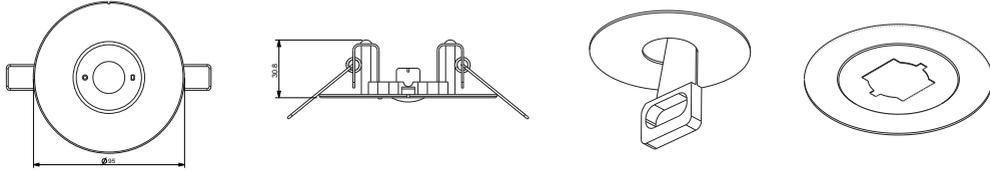
The control pack and battery pack must be installed above the insulation. No fire rated box is required for the product.

Important to note:

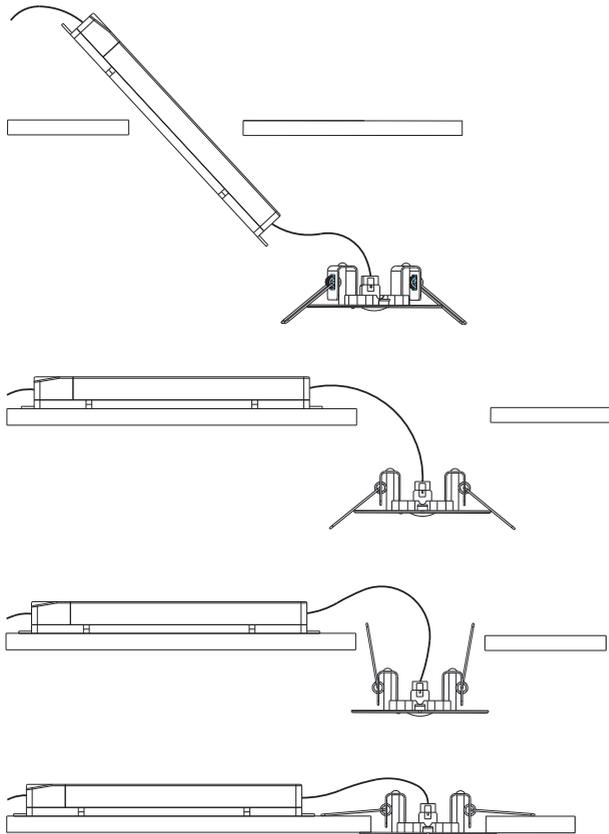
- For electronic control fitting such as this fitting (when supplied) do not megger between A and N.
- The product must be maintained and operated in accordance with the manufacturer's instructions, failure to do so may damage the product. It is recommended that this important note be communicated to the site owner or manager and or contractor of the installation at the time of site commissioning.
- This product is designed for indoor use only.

Installation instructions

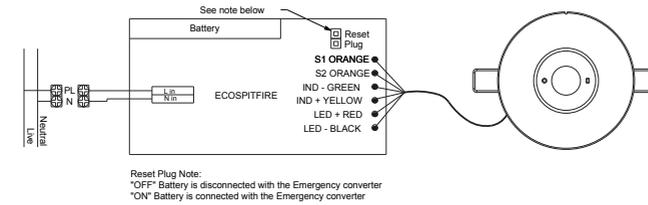
1. **Note: The circuit supplying mains power to the fitting must not be energised until installation of the fitting is completed.**
2. The mounting hole cut-out size for the lamp head is 70mm or 140mm. **Note: The adaptor plate or large lamp head is generally used for existing Spitfire replacement or where access to the ceiling space is limited.**



3. Once the ceiling cut-out is done, connect the lamp head cable to the main control unit. Recess the control pack assembly through the ceiling cut-out and connect the mains power cord to the mains supply. If access to the ceiling cavity is not available, connect the mains power cord before recessing the control pack through the ceiling cut-out and follow the steps as shown below:



4. When the mains supply to the fitting is energised the green indicator LED located on the lamp head should illuminate. As this product is non-maintained, the emergency LED will not illuminate unless there is a power failure, or the test button located on the lamp head is pressed. If the charging indicator LED does not illuminate, then check that the battery and lamp head cables are properly plugged into the main control unit and refer to the troubleshooting guide at the end of this document.



5. Once the fitting has been energised for a few minutes, the emergency operation can be checked by pressing the test button on the lamp head. When the test button is pressed, the emergency LED in the centre of the lamp head should illuminate (it may illuminate for a few seconds only, depending on the state of the charge of the battery). If the lamp does not illuminate, check the lamp head cable is properly plugged into the main control unit and refer to the troubleshooting guide at the end of this document.

Important: 24 hours is required to allow the fitting battery to reach full capacity, ie: prior to a discharge test. As the installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to AS/NZS 2293.

Important: As the installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to the testing precautions section of this document and to AS/NZS 2293. Also refer to the construction sites section of this document for issues pertaining to emergency lighting during the construction phase of a building where permanent mains supply may not be available.

Important: Type Y attachment, method of attachment of the cable or cord such that any replacement can only be made by the manufacturer, their authorised service agent or a suitably qualified person. If the external flexible cable or cord of this fitting is damaged, it shall be exclusively replaced by the manufacturer, their authorised service agent or a suitably qualified person in order to avoid a hazard.

Removal instructions

1. Before removing the installed Spitfire, switch off the mains supply to the Spitfire.
2. Unplug the Spitfire power cord from the mains socket.
3. When the Spitfire is reconnected to the supply, it will need time to recharge its battery before it will be capable of a full length discharge test again.

Testing precautions

Once the fitting is permanently connected to the mains supply, a commissioning discharge test as required in AS/NZS 2293.3 must be carried out. You will need to allow 24 hours for the battery to fully charge prior to conducting this test, presently (at the time of writing), the standard requires that fittings operate in emergency mode for a period not less than 2 hours for their commissioning test and for not less than 90 minutes thereafter (it is required that 6 monthly discharge tests be carried out). You will need to keep the records for the commissioning test and enter them into the building emergency services logbook or via other recording methods as allowed by AS/NZS 2293.3.