

Troubleshooting guide

If you have installed and connected the luminaire 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 luminaire still does not work after checking these possible causes, contact ABB customer service in Australia on 1800 60 20 20.

No.	Luminaire type	Fault	Possible causes
1	AC Emergency	LEDs do not light up when connected to mains	AC supply not connected or turned off; or Switch active turned off; or LEDs damaged
2	Emergency	LEDs are lit momentarily when test switch is pressed or when mains fail	Battery not fully charged (allow up to 24 hours); or Battery pack damaged
3	Emergency	LED light source does not switch to emergency mode when the test switch is pressed	Test switch damaged; or Battery not connected or faulty

INSTALLATION MANUAL

Stanilite® Economy batten LED AC and emergency



This document covers	What's inside the box
Safety warning	Batten LED
Installation instructions	Installation kit
Removal instructions	Installation manual
Testing precautions	Warranty information
Troubleshooting guide	

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



Caution risk of electric shock!

Disconnect mains supply before installing, servicing or maintaining the luminaire.

To be installed by a qualified electrician in accordance with AS/NZS 3000 wiring regulations. Ensure that the rated voltage and frequency of the luminaire is compatible with the electrical supply.

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 the relevant rules.

Important to note:

- The luminaire only to be installed outside arms reach.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
- There are no user serviceable parts inside the product, except the battery (emergency only).
- This luminaire is a class I product and must be earthed.
- This luminaire is rated IP40, this must be maintained during wiring and installation.
- For electronic control luminaire such as this luminaire (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.

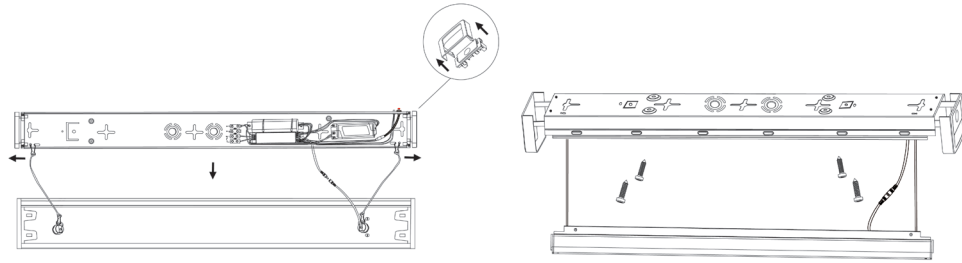
ABB Australia Pty Limited

For enquiries
ABB contact centre: 1800 60 20 20
E-mail: AU-ABB-Stanilite@abb.com

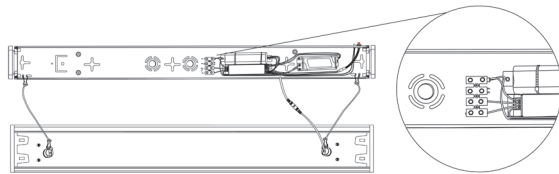


Installation instructions


1. Disconnect the mains power to the circuit before commencing installation.
Note: The circuit supplying mains power to the luminaire must not be energised until installation of the luminaire is completed.
2. The batten can be either ceiling or wall mounted or suspended. Suspension wires **not** supplied. The mounting point must support 2 times the weight of the luminaire.
3. Slide end caps away from the luminaire and remove the lamp and diffuser assembly. Place batten against the wall or ceiling; mark and drill position of the mounting screw holes.






4. Secure the batten to the ceiling or wall using appropriate fixings depending on the type of building construction material used. The supplied 4 pieces of wall plugs and screws can be used if appropriate, depending on the building construction material.
5. Route the mains cable through the cable entry at rear and connect to the terminal block as shown below:



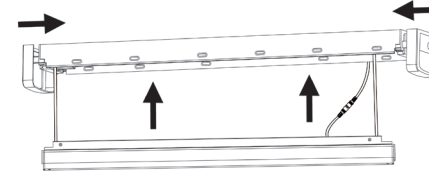
6. Be careful with multi-strand conductors that all the strands are twisted together before insertion into the terminal. Any stray strands that inadvertently encounters their neighbouring terminal will cause undesirable results when the luminaire is powered.

Wire/luminaire type	AC
Switched active	Wire to SA terminal
Neutral	Wire to terminal N
Earth	Wire to terminal E or 

Wire/luminaire type	Non-maintained	Maintained - no SA	Maintained - with SA
Switched active	Don't wire SA terminal	Loop the SA and A terminals	Wire to SA terminal
Unswitched active	Wire to terminal A	Wire to terminal A	Wire to terminal A
Neutral	Wire to terminal N	Wire to terminal N	Wire to terminal N
Earth	Wire to terminal E or 	Wire to terminal E or 	Wire to terminal E or 

Note: Switched active (SA) and unswitched active (A) supply must be on the same phase.

7. Verify that the battery is connected to the inverter or power pack.
8. Clip the diffuser and end caps back onto the luminaire.



9. Energise the luminaire and allow a few minutes to give the battery a small charge then press the test switch on luminaire to ensure that luminaire operates in emergency mode, the LED indicator will go off during emergency mode. On releasing the test switch the luminaire will automatically connect to mains supply and the LED indicator will illuminate.

Important: 24 hours is required to allow the luminaire 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 luminaire. Refer to AS/NZS 2293.

Removal instructions

1. Before removing the installed luminaire, de-energise and lock off the supply circuit.
Note: There may be 2 actives present, ensure all power is isolated before proceeding.
2. Slide end caps away from the luminaire and remove the lamp and diffuser assembly from the base.
3. Disconnect the battery and then remove the mains cabling from the terminal block.
4. When the luminaire is reconnected to the supply, it will need time to recharge its battery for 24 hours before it will be capable of a full length discharge again.

Construction sites

Continuously switching off the mains power supply that is connected to emergency light luminaires during the construction phase of an installation will cause these luminaires 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

Testing precautions

Once the luminaire is permanently connected to the mains supply, a commissioning discharge test as required in AS/NZS 2293.2 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 luminaires 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 2293.2.

and may not honour the warranty on batteries when they are subjected to such harsh operating conditions. Emergency light luminaires 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 luminaires.