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.

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.

Important to note:
This product is designed for indoor use only. There are no user serviceable parts inside the product.

As per AS 60598.2.2:2016 the recessed luminaire classification is CA90.

Not suitable for use with loose-fill insulation.
The control pack must be installed above the insulation. No fire rated box is required for the product.
The product comes pre-fitted with 110V DC flex and plug for easy installation. The 110V DC plug has 2 flat pins and a round earth pin.
The following below symbol shows the socket require for the supplied 110V DC flex and plug.
Installation instructions

Note: The circuit supplying mains power to the fitting must not be energised until installation of the fitting is completed.

Mark and cut out a hole in the ceiling to suit either small or large Spitfire head. The cut-out size for a small 85mm lamp head adaptor plate is 70mm and for the large 141mm lamp head adaptor plate is 130mm.

1. Feed the control pack assembly through the ceiling cut-out and secure them to a suitable location within the ceiling space. If access to the ceiling cavity is not available, connect the 110V DC power cord plug to 110V DC socket before recessing the control pack in the ceiling cut-out. Secure the control pack to a suitable location within the ceiling space.

2. Connect flex and plug to the 110V DC supply socket.

3. Check operation of the fitting to ensure that the installation was successful. As a non-maintained fitting, the Spitfire lamp head only turns ON when 110V DC supply is fed from the central battery system and/or when 240V AC mains supply fails.

4. As installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to AS/NZS 2293.

Testing precautions

Once the fitting 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 ensure the central battery system is 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 2293.2.

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 product warranty 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.

Removal instructions

1. To remove/uninstall fitting from the ceiling, the steps to be followed are the reversal of installation process. Before removing the installed fitting, de-energise and lock off the supply circuit.

2. Unplug the power cord from the mains socket.

3. Remove lamp head and control pack from ceiling recess

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.

<table>
<thead>
<tr>
<th>No.</th>
<th>Fault</th>
<th>Possible causes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LED light source not lit</td>
<td>DC supply not connected; or DC supply turned off</td>
</tr>
<tr>
<td>2</td>
<td>LED light source works momentarily on emergency</td>
<td>Check central battery system supply; or control pack</td>
</tr>
</tbody>
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