The DALI system status is indicated by a bi-colour LED and by a DALI status flag.

### LED indication

<table>
<thead>
<tr>
<th>LED indication</th>
<th>Status</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permanent green</td>
<td>System okay</td>
<td>AC mode</td>
</tr>
<tr>
<td>Fast flashing green (0.1 second on - 0.1 second off)</td>
<td>Function test underway</td>
<td></td>
</tr>
<tr>
<td>Slow flashing green (1 second on - 1 second off)</td>
<td>Duration test underway</td>
<td></td>
</tr>
<tr>
<td>Red LED on</td>
<td>Load failure</td>
<td>Open circuit; or Short circuit; or LED failure</td>
</tr>
<tr>
<td>Slow flashing red (1 second on - 1 second off)</td>
<td>Battery failure</td>
<td>Battery failed the duration test or function test; or Battery is defect or deep discharged; or Incorrect battery voltage</td>
</tr>
<tr>
<td>Fast flashing red (0.1 second on - 0.1 second off)</td>
<td>Charging failure</td>
<td>Incorrect charging current</td>
</tr>
<tr>
<td>Double pulsing green</td>
<td>Inhibit mode</td>
<td>Switching into inhibit mode via controller</td>
</tr>
<tr>
<td>Binary transmission of address via green/red LED</td>
<td>Address identification</td>
<td>During address identification mode</td>
</tr>
<tr>
<td>Green and red off</td>
<td>DC mode</td>
<td>Battery operation (emergency mode)</td>
</tr>
</tbody>
</table>

### 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.

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Installation instructions
1. Disconnect the mains power to the circuit before commencing installation.
2. The batten can be either ceiling or wall mounted or suspended. Suspension wires are not supplied.
3. Slide end caps away from the fitting 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 encounter their neighbouring terminal will cause undesirable results when the fitting is powered.

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

Wire/fitting 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.

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 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 2293.2.

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 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.

9. Energise the fitting and allow a few minutes to give the battery a small charge then press the test button to ensure that the fitting is functional in emergency mode.

Important: 24 hours is required to allow the fitting battery to reach full capacity, i.e., 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.

Removal instructions
1. Before removing the installed fitting, de-energise and lock off the supply circuit.
2. Slide end caps away from the fitting 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. Disconnect the DALI cable connection and then unscrew/remove the mounting hardware in order to remove installed batten from the ceiling or wall.
5. When the fitting 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.