# Contents

Introduction

Required Tools

Prerequisites

Inspect the Fixture

Install the Fixture

Mount the Fixture

Secure Power/Data Cable Connections

Troubleshooting/Corrective Actions
Introduction

This manual contains the procedural information required to install an Axceleron LED Fixture.

| CAUTION | Hazardous voltages and currents are present while installing the Axceleron. Aquarii recommends that a qualified electrician install and maintain the fixtures. |

Required Tools

- Screwdrivers (various sizes)
- Ladder/Lift
- Pliers
- Wire Cutters
- Safety Glasses
- Electrical Tape
- Wire Strippers
- Level

Prerequisites

1. Ensure all required parts are present for installation.
2. Ensure the sites power supply is disconnected/shut off.
3. Perform local Lock-Out/Tag-Out procedures, if applicable/required.
4. Personal Protection Equipment (PPE) is equipped/easily accessible.

| NOTE | Specific mounting conditions can require additional tools or equipment. |

Inspect the Fixture

Perform the following steps to inspect the shipping container and fixture for any damage(s).

| NOTE | The damaged fixture(s) must be properly packaged and shipped back to Aquarii within 24 hours of the filed claim. |

1. Inspect the shipping container to see if damaged, wet, or crushed.
2. Ensure the container is right side up, then open the top cover of the container.

| WARNING | If the fixture is equipped with a 110° LED Array DO NOT REMOVE the Foam Pad covering the Array until after the fixture has been successfully installed. |
3. Remove the Axceleron from the shipping container and place it gently on a clean/dust free surface to avoid scratching the housing.
4. Remove the two housing screws, then remove the housing.
5. Place the fixture on a flat/clean surface to avoid damaging it.
6. Inspect the Axceleron for any damage(s) to the lenses, boards, and umbilical connections, heatsink, main bracket, top cover, and housing.

<table>
<thead>
<tr>
<th>IF...</th>
<th>THEN...</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO damages are present</td>
<td>proceed to Install the Axceleron.</td>
</tr>
<tr>
<td>YES, damages are present</td>
<td>file a claim and return the fixture according to the Aquarii Product Return Policy.</td>
</tr>
</tbody>
</table>

**Install the Axceleron**

**WARNING**
The Power Supply MUST BE disconnected from the local circuit breaker to ensure personal and product safety.

**Mount the Fixture**

1. Ensure the Axceleron is removed from the Housing.
2. Secure the mount to the Main Bracket based on the required procedure.

**NOTE**
See the accompanying *Mounting Procedures* document for specific procedures based on the required mount.

**Secure Power/Data Cable Connections**

**NOTE**
Power and Data Cable Connections are specific based on the site and fixture parameters.

1. Establish a connection from the sites Junction Box to the EPP-300-24 Meanwell Power Supply using the required cable.
2. Secure any data/communication connections to the 2-Channel Controller based on individual fixture/mounting parameters.
3. Install the Housing on the fixture and secure using the two housing screws removed during inspection.
**Troubleshooting/Corrective Actions**

<table>
<thead>
<tr>
<th>CAUTION</th>
<th>Troubleshooting Assessments can only be performed by qualified personnel.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>POSSIBLE CAUSE</th>
<th>CORRECTIVE ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No light output</td>
<td>Power is off</td>
<td>Check if power supply is on</td>
</tr>
<tr>
<td></td>
<td>Poor wire connection</td>
<td>Check wiring connections</td>
</tr>
<tr>
<td></td>
<td>Faulty supply switch</td>
<td>Test or replace supply switch</td>
</tr>
<tr>
<td></td>
<td>Shorted dim lines</td>
<td>Verify no shorts in dim lines</td>
</tr>
<tr>
<td>Fuse blown or Circuit Breaker trips</td>
<td>Crossed wire(s) or a supply wire has grounded out</td>
<td>Check wiring connections</td>
</tr>
</tbody>
</table>

If the Axceleron is still not functioning as required after the **Troubleshooting/Corrective Actions** are performed, please contact Aquarii Customer Service for further assistance. See the **General Specifications** manual, included in the Aquarii Documentation Folder, for the required contact information.