**General Installation Instructions**

These instructions should be read carefully prior to any installation and retained after completion for further reference and maintenance. Please give these instructions to the building owner/occupier after installation.

**Important Safety**

1. Before installation, maintenance or lamp replacement, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or the circuit breaker is turned off.
2. It is recommended that only a qualified electrical contractor carries out the installation of this luminaire and that the luminaire is installed in compliance with the current edition of the IEE Wiring Regulations.
3. The person carrying out the installation is to check and verify that the total load on the circuit, including that of this luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
4. Where a luminaire incorporates discharge control gear (inductive load), the circuit capacity and ratings require careful sizing to avoid nuisance tripping of the protective device used in the installation.
5. Where applicable, careful consideration should be taken during installation to ensure that all fixings and/or suspensions are of a suitable size for the luminaire being installed.

**Ratings**

1. All luminaires are manufactured & tested in compliance with the requirement contained within BS EN 60598 and are CE marked.
2. All luminaires are designed to operate at 230Volts AC -6%/+10% = 216Volts to 252Volts. Do not operate outside these voltages.
3. All luminaires are of Class 1 construction and that are marked accordingly, MUST be earthed.
4. All luminaires that are of Class 1 construction and that are marked accordingly, MUST be earthed.
5. Max Ambient Temperature 25°C

**Exclusions to Warranty**

Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature -20°C to 25°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

**DO NOT DRILL THE BODY OF THIS LUMINAIRE FOR MOUNTING PURPOSES. THE LUMINAIRE IS ONLY DESIGNED FOR INSTALLATION, USING THE CLIPS AND HOOKS PROVIDED AND ONLY AT THE FIXING POINTS OF THE FITTING. ANY DRILLED HOLES DURING INSTALLATION WILL ALSO INVALIDATE THE IP RATING OF THE FITTING.**

**Installation**

- Determine the fixing centres from the sizes indicated on the box or from the table below.
- If mounting to ceilings, securely fix the stainless steel mounting clips using screw fixings provided at the spacing’s mentioned above. For suspended mounting, use hanging hooks provided on the back of the fitting.
- Remove the front diffuser against gasket, fit clips into recess points in base and secure di
- Replace the gear tray into the clips.
- Terminate the supply cable ensuring correct polarity is observed and the luminaire MUST be earthed.
- Replace the gear tray into the clips.
- Seat diffuser against gasket, fit clips into recess points in base and secure diffuser with clips.
- Lock the clips into the closed position by using the fixing screw supplied.
- Restore supply for satisfactory operation.

**Electrical Connections**

<table>
<thead>
<tr>
<th>Connect as follows:</th>
<th>LIVE</th>
<th>NEUTRAL</th>
<th>EARTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>(L)</td>
<td>BROWN OR RED</td>
<td>BLUE OR BLACK</td>
<td>GREEN / YELLOW</td>
</tr>
<tr>
<td>(N)</td>
<td>(switched)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Terminate the supply cable ensuring correct polarity is observed and the luminaire MUST be earthed.
- Replace the gear tray into the clips.
- Seat diffuser against gasket, fit clips into recess points in base and secure diffuser with clips.
- Lock the clips into the closed position by using the fixing screw supplied.
- Restore supply for satisfactory operation.

**Note:** It is the responsibility of the installer/specifier to determine the suitability of this luminaire for the application. Luminaire types with high IP rating protection may not be suitable for installations with prolonged daily use due to accumulative heat not being able to dissipate from the luminaire body, affecting life span of components.

<table>
<thead>
<tr>
<th>Code</th>
<th>Lamp</th>
<th>Description</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Clips</th>
</tr>
</thead>
<tbody>
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<td>ATORLED4</td>
<td>LED</td>
<td>1 x 20W</td>
<td>1266</td>
<td>860</td>
<td>74</td>
<td>85</td>
<td>10</td>
</tr>
<tr>
<td>ATORLED5</td>
<td>LED</td>
<td>1 x 30W</td>
<td>1566</td>
<td>960</td>
<td>74</td>
<td>85</td>
<td>12</td>
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<tr>
<td>ATORLED6</td>
<td>LED</td>
<td>1 x 35W</td>
<td>1866</td>
<td>1030</td>
<td>74</td>
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<td>2 x 20W</td>
<td>1266</td>
<td>860</td>
<td>74</td>
<td>118</td>
<td>10</td>
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<tr>
<td>ATORLED2X5</td>
<td>LED</td>
<td>2 x 30W</td>
<td>1566</td>
<td>960</td>
<td>74</td>
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<td>1855</td>
<td>1030</td>
<td>74</td>
<td>118</td>
<td>14</td>
</tr>
</tbody>
</table>

**Operating Conditions**

**Tornado LED**

This luminaire is designed to operate in a temperature range -20°C to +25°C
Maintenance:
1. This LED luminaire contains no serviceable parts.
2. If replacing the LED Driver, please ensure the driver is the correct sized housing and the secondary output / wattage has the same specification as that detailed in the table on page 1.

Disposal of Electronic Equipment WEEE Directive 2002/96/EC
This product falls within the scope of the Waste Electrical & Electronic Equipment Directive (WEEE), which means the product should not be disposed of as normal household waste. Ensure that this luminaire and lamp is disposed of in accordance with the WEEE Directive. Contact a local Council Waste Dept. Local Amenity Site, or the Environment Agency for further information. RoHS - All components and materials used in this product are RoHS 2002/95/EC compliant.

Please Note: Any additional power feed cable should be retained in such a way as to prevent contact with any control gear.