LED Lightsource-R High Bay

By far the most energy efficient of its kind, the Aqualuma Lightsource-R High Bay light is part of the Lumn range and is designed specifically to replace conventional metal halide or induction lighting used in indoor and outdoor industrial applications.

It is ideally suited to high bay lighting in factories, cold stores and warehouses, including hazardous areas. Typically for installation above 4m.

LED Lightsource-R High Bay Features

- Replaces >400W metal halide light fittings
- As little as 90W total power
- Photometric flux up to 17,000lm
- Wall plug efficacy up to 125lm/W
- Full spectrum colour rendering results in improved visual acuity in comparison to metal halide light sources
- L70 rated for 100,000hrs at 25°C
- 5 year warranty
- Instant on / off
- IP66 rated
**Photometric Data**

- Colour Rendering Index (CRI): > 70
- Colour Correlated Temperature: 5700K
- Flux: up to 17,000 lm

**LED manufacturer:**

![Cree Logo]

**Polar Plots**

**Clear Lens**

**Diffuse Lens**

IES files for all models are available on our website. Visit [www.aqualuma.com/lumn](http://www.aqualuma.com/lumn) for more information.

**Electrical Specifications**

**Operating Voltage:**
90-264VAC, 47-63Hz

**Power Factor:**
$\lambda > 0.95$

**Operating Temp:**
-40°C to 45°C

**Withstand Voltage:**
I/P-O/P: 3.75KVAC I/P-FG: 1.88KVAC O/P-FG: 0.5KVAC

**Isolation Resistance:**
I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC / 25% / 70% RH

**EMC Emission:**
Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (50% load); EN61000-3-3 C-tick approved

**EMC Immunity:**
Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, EN55024, light industry level (surge 4KV), criteria A
Mechanical Information

**Weight:** 7kg

**Mounting:**
- Hook
- Bracket (RAL 7047)
- Pipe (3/4” NPT)

**Cabling:** 3m PVC Cable

**Housing:** Marine grade powder coated ‘copper free’ aluminium (RAL 7047)

**Lens:** Clear acrylic, diffuse acrylic or polycarbonate

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*Hook Mount*

*Wall Mount with Bracket*

*Ceiling Mount with Bracket*

*Pipe Mount (3/4” NPT)*
Certifications

- CE Compliant
- EN 60598  Particular requirements of luminaires
- EN 62471  Photobiological safety of lamp systems
- IP66 to EN60529  Intrusion protection
- IK06 to EN50102 (Acrylic lenses)  Mechanical impact protection
- IK10 to EN50103 (Polycarbonate lens)  Mechanical impact protection
- IEC60068 salt spray testing - severity 1  Corrosion resistance

Application Notes

- The Aqualuma Lightsource-R LED High Bay light is designed to be installed above 4m from the ground. For installation heights below 4m, please refer to the Aqualuma Lightsource-R LED Low Bay light.

- For installation in areas subject to potential damage (vandalism / material handling) the polycarbonate lens option is available. Food preparation and similar areas may require this.

- The diffuse acrylic lens provides a softer aura of both the fitting and the ambient light. With the diffuse acrylic lens the fitting presents a ‘moon like’ appearance which has attracted favorable user feedback.

- Empirical testing has shown that the 90W versions with clear lenses provide an equivalent visibility to a >400W metal halide high bay light fitting. The 125W and 165W versions provide an opportunity to either improve visibly or reduce the installation density.
LED Lightsource-R High Bay

Order Codes (Kits)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Flux Im</th>
<th>Power W</th>
<th>Efficacy Im/W</th>
<th>Lens</th>
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<td>125</td>
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Notes
The flux figures (Im) shown represent the net output after the fitting has operated for 1hr at 25°C ambient temperature.
The part numbers listed are for the hook mount version. For the bracket mount version, replace the 5th character with a B. For the pipe mount version, replace the 5th character with a P.
All figures shown are within a 7% tolerance.

Available Separately

<table>
<thead>
<tr>
<th>Image</th>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
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<td>AQHBB</td>
<td>Bracket (RAL 7047) in powdercoated aluminium</td>
</tr>
<tr>
<td><img src="image.png" alt="Hook" /></td>
<td>AQHBBH</td>
<td>Hook</td>
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<tr>
<td><img src="image.png" alt="Clear Acrylic Lens" /></td>
<td>AQHBCA</td>
<td>Clear acrylic lens</td>
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<tr>
<td><img src="image.png" alt="Clear Polycarbonate Lens" /></td>
<td>AQHBPC</td>
<td>Clear polycarbonate lens</td>
</tr>
<tr>
<td><img src="image.png" alt="Diffuse Acrylic Lens" /></td>
<td>AQHBD</td>
<td>Diffuse acrylic lens</td>
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Part of the LUMNI range