



# LIGHTSOURCE-R LED HIGHBAY

**THE WORLD'S MOST ENERGY EFFICIENT LED LIGHTING**

**DESIGNED MANUFACTURED & WARRANTED IN AUSTRALIA**

124 Siganto Drive, Helensvale, Queensland, Australia 4212  
Ph: +61 75519 4555 | [info@aqualuma.com](mailto:info@aqualuma.com) | [www.aqualuma.com](http://www.aqualuma.com)

 **AQUALUMA**<sup>®</sup>  
LED LIGHTING

## Established in 2004, Aqualuma is a privately owned company based on the Gold Coast in Queensland, Australia.

---

Widely regarded as the world's leading marine lighting manufacturer, Aqualuma has redefined the category with superior technology and high-quality products. An extensive research and development program has seen the range grow to include a comprehensive and versatile range of lighting, including thru-hull, submersible, deck and flood lighting. Aqualuma's iconic thru-hull range is the world's first and only underwater light range with a one-piece polymer housing unit that has no lenses or seals and is patented in 127 countries.

Since its inception, Aqualuma has worked exclusively with LEDs and has gained an extensive knowledge of what is required to design and manufacture world-class LED fixtures. Aqualuma's engineers include some of the world's leading LED specialists and optical designers. Strategic partnerships with the major LED and electronics manufacturers combine to give Aqualuma the strength on which its reputation has been built.

### INDUSTRIAL & COMMERCIAL Range

Building on their technological advantage, Aqualuma started developing their commercial and industrial lighting range. After more than 12 months development, the Industrial & Commercial Range was introduced in January 2013. The high bay and low bay lights are independently tested to be the most energy efficient in the world. Designed and built in Australia to the same standards as their marine lighting range, Aqualuma guarantees a long maintenance-free life span.

By harnessing the latest LED technology, it is now possible to manufacture industrial and commercial light fixtures that save money in both power consumption and maintenance costs. However, it is apparent that traditional lighting manufacturers and new start companies have not always been able to unlock the full potential offered by LED technology. Light fixtures currently available often leave a lot to be desired in terms of efficacy (the amount of light emitted for the power consumed) and reliability.

Aqualuma has sales and service centres in Europe, Asia, Oceania, UAE and the USA (Aqualuma LLC). Products are distributed in more than 52 countries.

Aqualuma is proud to be associated with the following industry leaders





# LIGHTSOURCE-R LED HIGHBAY

The Aqualuma Lightsource-R LED Highbay lights are part of the Industrial & Commercial range and are designed specifically to replace conventional metal halide or induction lighting used in indoor and outdoor industrial applications.

High bay lights are ideally suited for use in factories, cold stores and warehouses, including hazardous areas. Typically LED High Bay lights are used for installation above 4m.

LED Light Source	Luxeon
Colour Temp (Tc)	4000 or 5300 Kelvin
CRI	CRI > 80 CRI > 70
Luminous Flux	Up to 26,644 lm
LED Current / LED	90W, 125W, 165W, 185W
Input Voltage	90V-277V / 347-480 HV
Colour	Grey Powdercoat
Optical Options	Highbay, Lowbay, Aisle, Shops & Stores
Lens Options	Clear Acrylic, Diffused Acrylic, Polycarbonate
Mounting Options	Eye Mount, Bracket Mount, Ceiling Mount



**STANDARD OPTIC**



**AISLE OPTIC**

## DESIGNED MANUFACTURED & WARRANTED IN AUSTRALIA

- Output flux up to 26,644 lm
- Wall plug efficacy up to 150 lm/W
- Full spectrum colour rendering results in improved visual acuity in comparison to metal halide and fluorescent light fittings
- L70 rated for minimum 100,000hrs at 25°C
- LM6 marine grade aluminium / powder coated
- 7 year warranty
- Instant on / off
- IP66 rated
- Ipart and Veet Approved
- Certified to all applicable AS/NZ, European standards
- Design Light Consortium QPL Listed
- California IOU Lighting QPL Listed



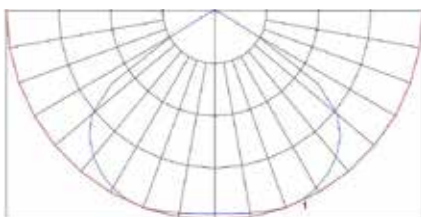
Classified by UL to UL 1598,  
UL 8750, CSA C22.2 NO. 250.0



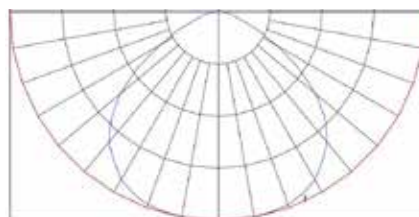
TESTED TO COMPLY  
WITH FCC STANDARDS

## Polar Plots

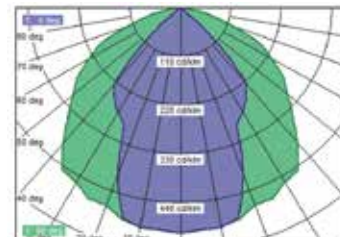
Clear Acrylic Lens



Diffuse Acrylic Lens



Aisle Optic



# LIGHTSOURCE-R LED HIGHBAY

## Photometric Data

Colour correlated temperature:	4000K, 5300K
Colour Rendering Index (CRI):	minimum 85 (4000K), minimum 70 (5300K)
Flux:	up to 26,644 lm

## Electrical Specifications

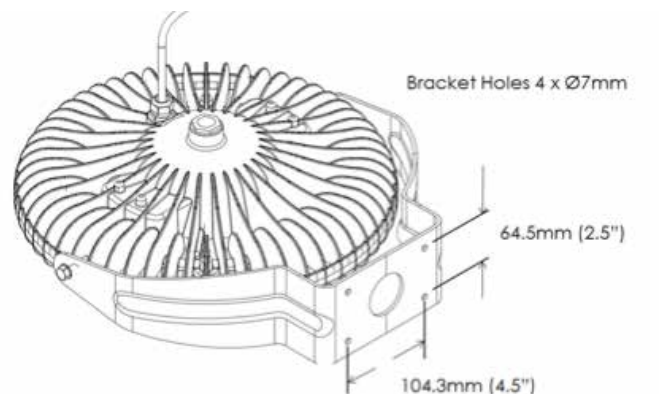
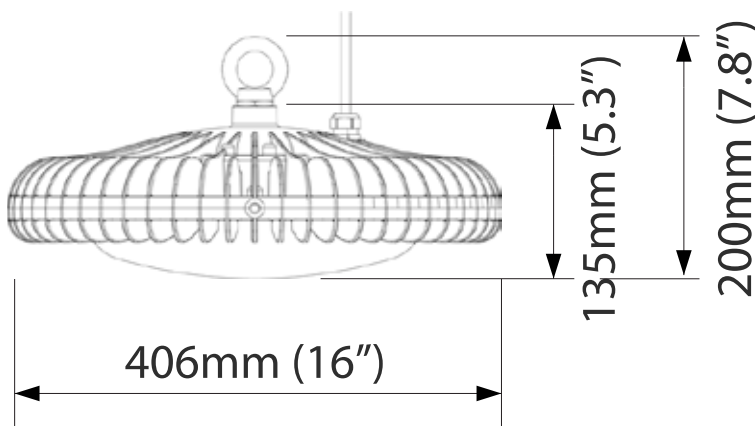
Operating voltage:	90-277VAC, 47-63Hz
Power factor:	$\lambda > 0.90$
Operating Temperature:	-40 °C to 45 °C
EMC emission:	Compliance to CISPR15 / EN 55015, EN61000-3-2 & EN61000-3-3
EMC immunity:	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547

## Mechanical Information

Weight:	7.5kg
Mounting:	Eye Mount, Bracket mount
Cabling:	3m PVC cable + 3 pin plug
Housing:	Marine Grade powder coated "copper free" aluminium
Lens:	Clear Acrylic, Diffused Acrylic, Polycarbonate







**DESIGNED MANUFACTURED & WARRANTED IN AUSTRALIA**

## Dimensions



# LIGHTSOURCE-R LED HIGHBAY

## Lens and Mounting Options

	Eye Mount 316 marine grade stainless steel eye mount
	Bracket Mount Powder coated aluminium bracket
	Ceiling Plate
	Clear Acrylic Lens
	Diffuse Acrylic Lens
	Polycarbonate Lens



# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS



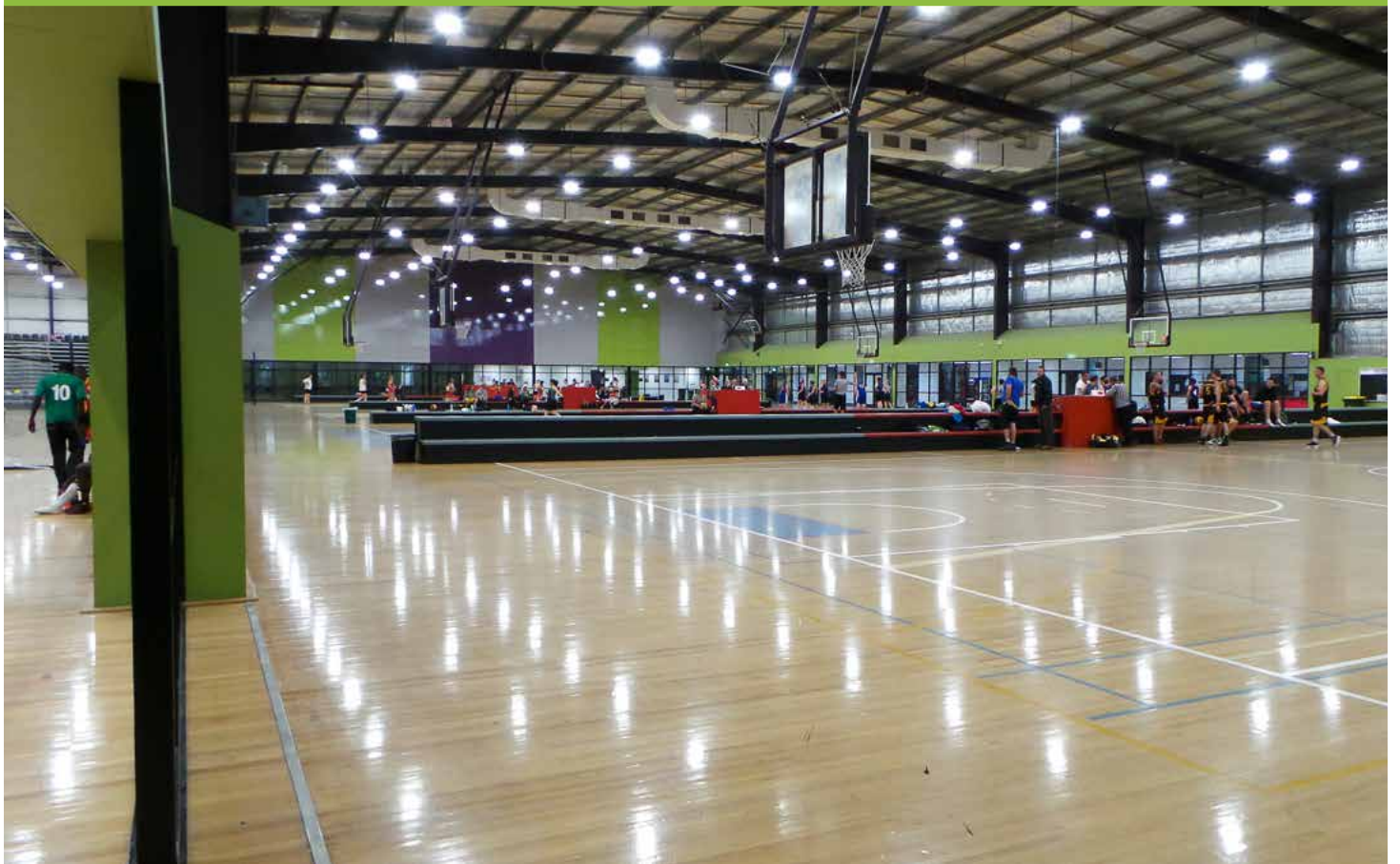


# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS



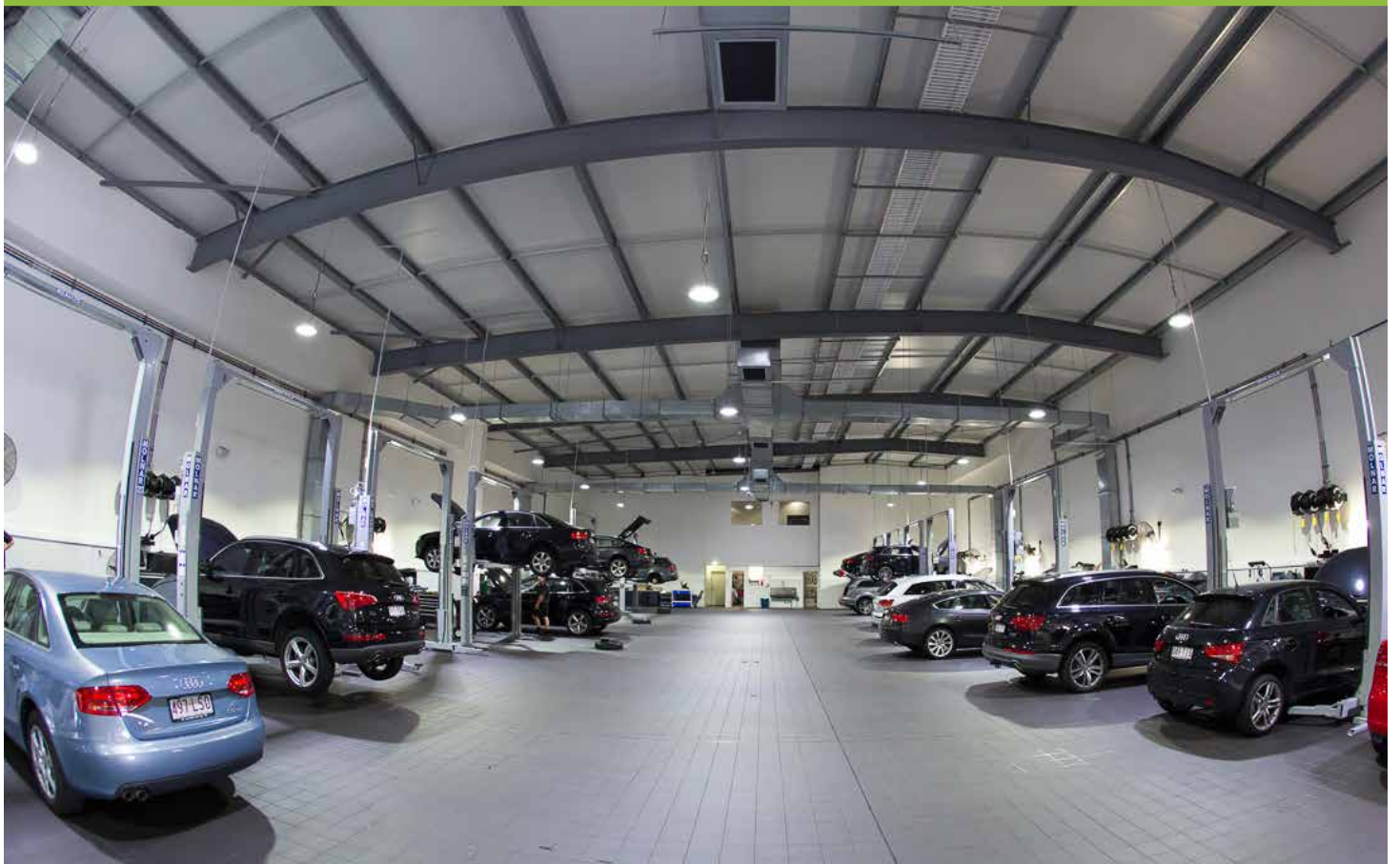


# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS





# COMPLETED PROJECTS



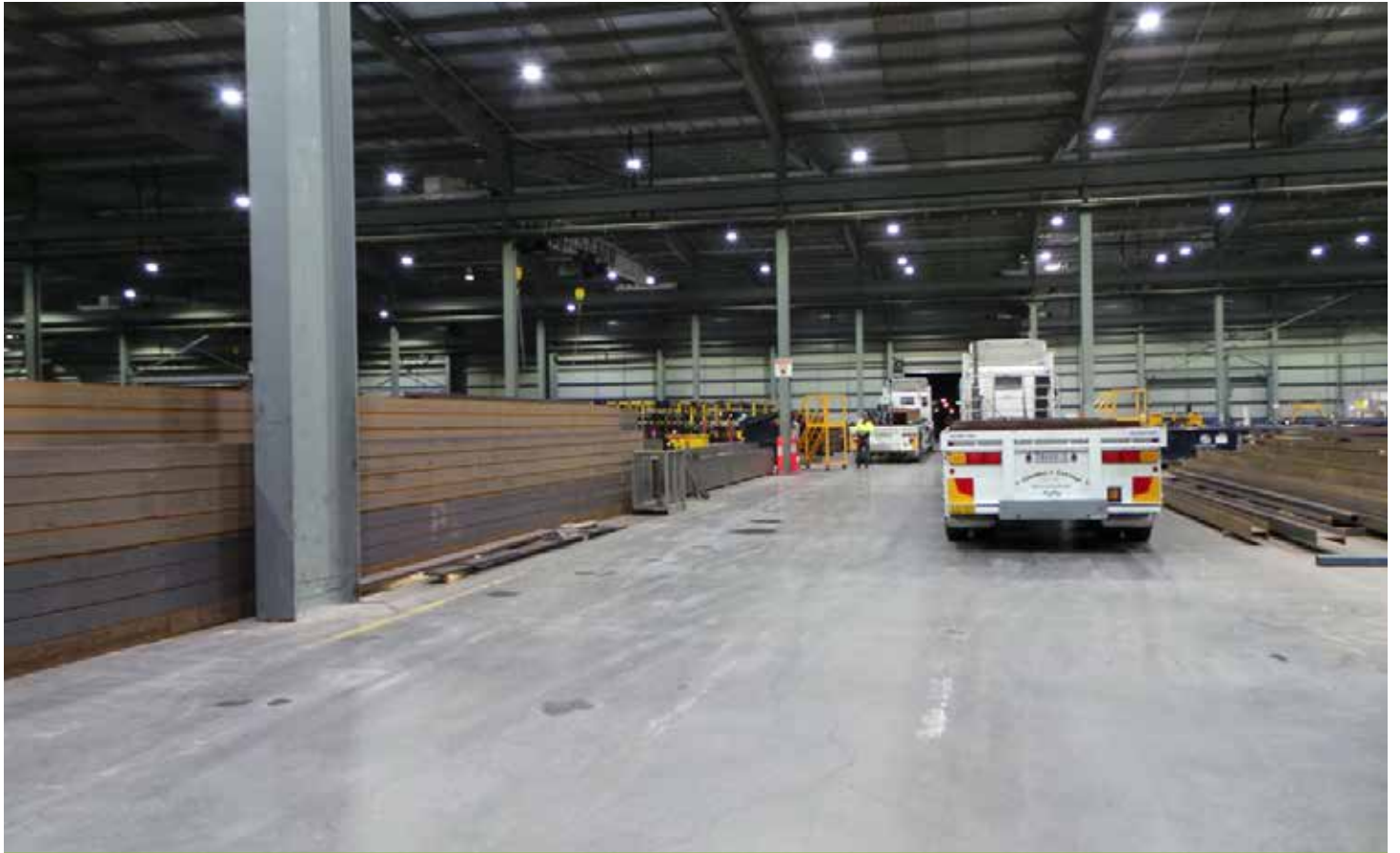


# COMPLETED PROJECTS





# COMPLETED PROJECTS







[WWW.AQUALUMA.COM](http://WWW.AQUALUMA.COM)