

Aqualuma Product Information – FAQ's

GENERAL QUESTIONS

Q What is LED?

A LED stands for light emitting diode. It is the latest technology in lighting and is far more energy efficient than all other forms of lighting.

Q Why is LED so much better?

A Our LED's have a life expectancy of around 50,000 hours and are shock and vibration resistant.

Q Can I run the lights with the boat out of the water?

A Yes Aqualuma are one of the only underwater lights that can be run out of the water and can be on when the boat is running at any speed.

Q How much power do the lights use?

A Our 3 Series lights use less than 0.5 amps at 12V or less than 0.3 amps at 24V
Our 6 Series lights use less than 1 amp at 12V or less than 0.5 amps at 24V

Q What about power on start up?

A Aqualuma lights use the same power on start up as they do when running – there is no current inrush.

Q Is there any start up delay?

A Aqualuma lights are instant start.

Q Are there any external drivers to be fitted?

A No external drivers need to be fitted. Aqualuma lights have all of the components built into the housing. All you need to do is to connect 2 wires (3 wires on Tri Series lights) to a 12V or 24V power supply.

Q Are the lights polarity sensitive?

A Yes the lights are polarity sensitive and care must be taken to connect the RED wire to positive and BLACK to negative

Q What is the difference between 12V and 24V lights?

A There is no difference. Aqualuma lights are dual voltage and so they will accept 12V or 24V DC.

Q Will 24V powered lights be brighter than 12V powered lights?

A Aqualuma lights are internally regulated so the light output is the same.

Q Is any colour better than another?

A Colour is a personal choice. The way that light travels through the water is dependant on its colour temperature. Aqualuma's Ultra Blue is the colour temperature that penetrates water further than any other colour, followed closely by our Ultra Green and then white.

Q Are Aqualuma LED lights better than Xenon lights?

A We have numerous customers replacing their Xenon lights with Aqualuma and they tell us that they get a better light show with Aqualuma and without the on-going maintenance issues and high power consumption of their Xenon lights.

Q What are the maintenance issues with Xenon lights?

A We are aware of ballast failures, corrosion of the metallic housings, lens leaks and bulb failure.

THRU HULL RANGE

- Q What material is the Thru Hull housing manufactured from?
A The housing is manufactured from a specially formulated polymer which has a high impact resistance
- Q How strong is the housing?
A The polymer is incredibly strong and flexible – have a look at the video on our website to see how strong the housing is.
- Q Can the housing corrode?
A The housing will not corrode and does not require bonding to the boats cathodic protection system.
- Q What sealant should I use when fitting the housing?
A Any quality underwater sealant can be used.
- Q How tight should the back nut be?
A The nut should be hand tight only. If it is too tight you will squeeze out the sealant.
- Q Will acetone damage the housing?
A The polymer housing is resistant to all chemicals including acetone.
- Q Will barnacles grow on the housing?
A Barnacles will grow on just about everything under the water. The polymer has an extra additive added at the moulding stage which actively works to minimise growth on the lens.
- Q How should I keep my lights clean?
A Ideally lights should be coated with clear Prop Speed (www.propspeed.co.nz) which will last about the same time as antifouling paint. Alternatively you can use a thin film of Vaseline which can be reapplied periodically with the vessel in the water.
If you prefer the surface of the lights should be wiped or brushed with a soft broom approximately every 4 weeks.
- Q What happens if I scratch the lens?
A If you scratch the lens it will not diminish the output very much. When the boat comes out of the water the lens can be polished by hand or machine buffed using a plastic polish. Machine buffing will take about 1 – 2 minutes and will bring the lights back to original clarity.
- Q Can I remove the light engine with the boat in the water?
A Yes you are able to remove the light engine without needing to haul the boat.
- Q Will I be able to upgrade my lights or change the colour of them?
A Yes, as new technology becomes available to us, light upgrades kits will become available and these will be a direct fit into the existing housings.
- Q How do I remove the light engine?
A You will need to twist the end cap clockwise to release it and then you can remove the end cap from the housing. The end cap will be tight in the housing as it has an IP68 rated O-Ring seal to prevent any moisture ingress into the housing.
Once the end cap is removed, gently pull on the wires and the light engine will slide towards you. If it is stuck in place gently tap the housing to assist in removing it.
- To re-install reverse the above operation being careful not to catch the wires between the end cap and heat sink. Re-lubricate the O-Ring with a small amount of petroleum jelly.