

Aqua Solar 600

Underwater LED light for fish cage

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Easy installation –
plug & play!



Pressure tested to
120 meters



Historical data
of production

Aqua Solar aquaculture luminaires are a high-tech lighting system developed in collaboration with the aquaculture industry and the research communities in Norway. The system is specially developed for light-assisted salmon farming. Based on easy installation, operation and maintenance system. It is possible to control and monitor the cloud-based system as a whole.



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The task of the LED-lights is to reduce lice infestation, limit sexual maturation and contribute to increased production. Since these three elements are so important for securing and controlling production, the lights are monitored using measuring systems. A diagnostic module installed in the control cabinets and remote control of the system. It is possible to read historical data for evaluation after the end of production.

The lamp is of waterproof design and has been tested to a depth of 120m. The headlight is made of seawater-resistant aluminum with rubber protection to prevent damage to fish, cages and personnel during operation and service. The surface is smooth and without screws to facilitate cleaning of the product.

The cabinets are delivered in acid-resistant material with a degree of tightness IP68. The cabinets contain control electronics, fuses and electronic LED drivers that are designed for optimal energy-efficient operation of the LEDs.

Main features

110.000 Lumen Under Water Light each

More than 200 lumen/watt system efficacy

Expected life span more than 100.000 Hrs

Low weight – 5 Kg

Complete system supplied with 4 to 6 lamps and waterproof stainless steel control cabinet

Real time monitoring of status (green, yellow & red dots) in the control system

Remote visible status indicator (green, yellow, red) on the control cabinet at site

Real time monitoring and control of vital lamps functions and performance

No IP Adresse - Simple and trouble free installation and operation of advanced systems

Integrated GPS module in the control cabinet

Easy installation of cables – plug & play!

No sharp edges

Easy maintenance

Pressure tested to 120 meters

Options:

Battery backup for soft shutdown at power failure

Remote control via wifi, Bluetooth, 4G or other networks

Stackable carrying case

IP68 Extension cables with connectors

Control cabinet components

LED driver

Transformer for voltage control

Fuse

IoT modul (Internet of Things)

Control electronics

