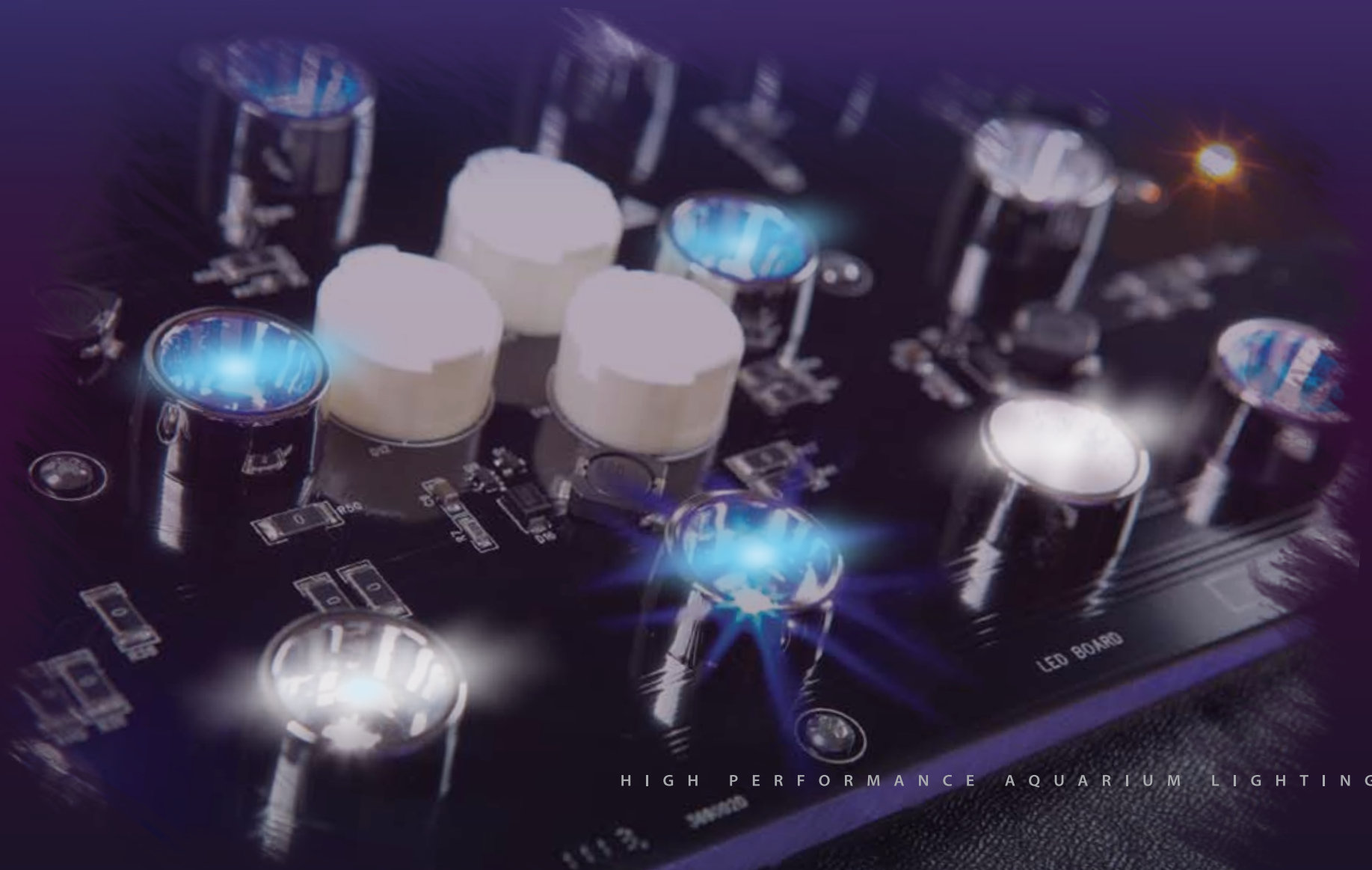




CORALIFE®

AQUALIGHT LED



HIGH PERFORMANCE AQUARIUM LIGHTING

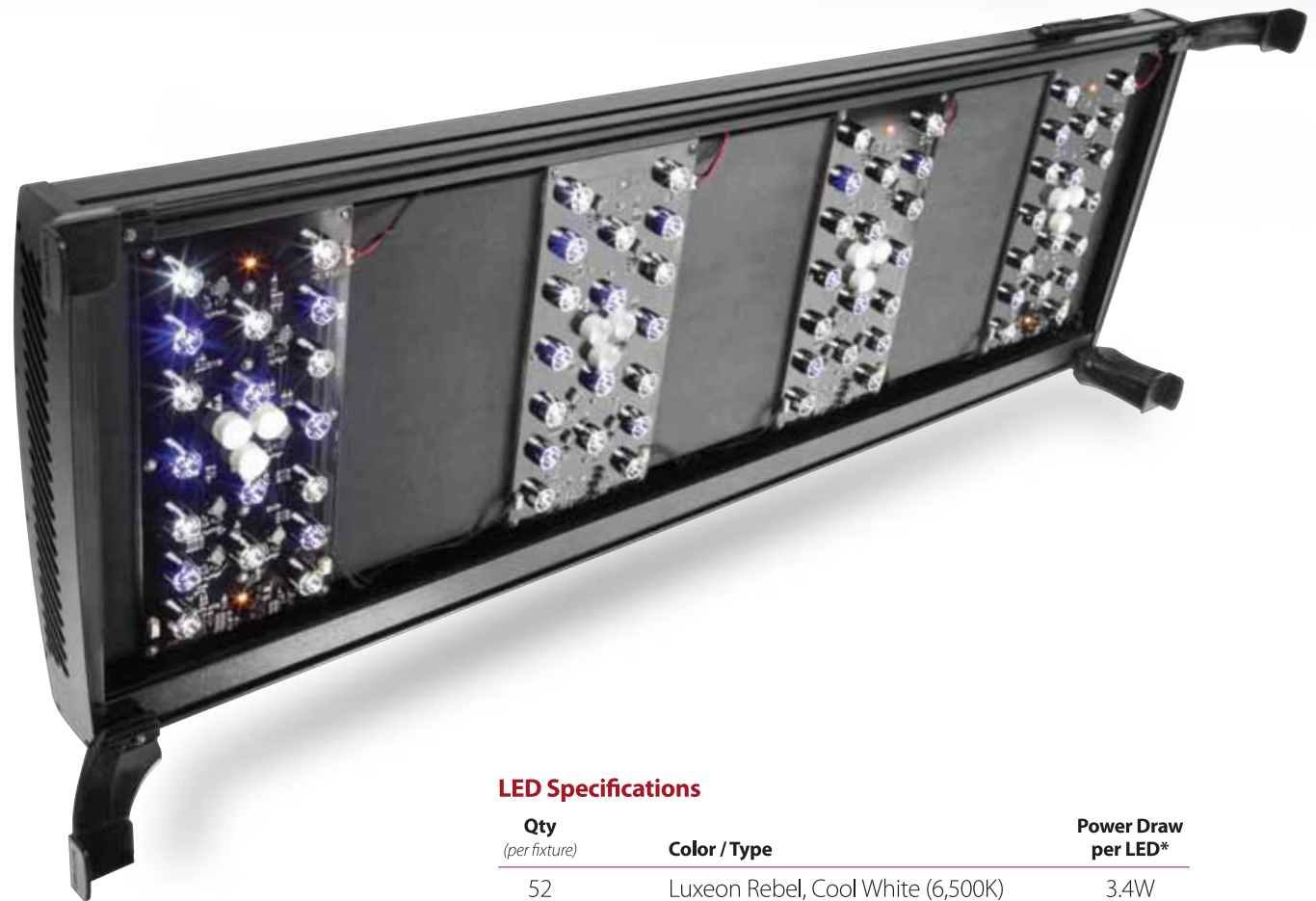
AQUALIGHT LED

FOR THE LIFE OF YOUR CORAL

The new Aqualight LED is a fusion of innovative engineering and focus on a singular goal: Ensuring superior product performance to sustain a thriving saltwater reef. Advanced LED technology provides the ability to create tailored lighting that supports the health and vigor of any coral species.



10,000K color setting showcases the natural beauty of fish and coral.



LED Specifications

Qty <i>(per fixture)</i>	Color / Type	Power Draw per LED*
52	Luxeon Rebel, Cool White (6,500K)	3.4W
32	Luxeon Rebel, Royal Blue (447nm)	3.4W
8	Luxeon Rebel, PC Amber (591nm)	2.2W

** Maximum power draw. Actual power draw depends on color and intensity settings.*

AQUALIGHT LED

L I G H T I N G E N G I N E E R E D W I T H P U R P O S E A N D P E R F O R M A N C E

Designed and perfected for more than 2 years, Aqualight LED meets the specific needs of coral.



Key factors considered in the design and development of the Aqualight LED

Light

Coral and their symbiotic algae need high-intensity light at optimal wavelengths for nutrition and growth.

The Aqualight LED offers unprecedented control to replicate the varying light conditions that allow corals to thrive in nature by adjusting both light temperature and intensity.

Rhythm

Scientists have discovered that corals follow complex circadian rhythms. Activating these day/night responses is crucial for maintaining coral health.

The Aqualight LED can be programmed to reproduce a complete 24 hour day/night cycle with natural sunrise, tropical daytime, gradual sunset and a soft shimmering moonlight.

Temperature

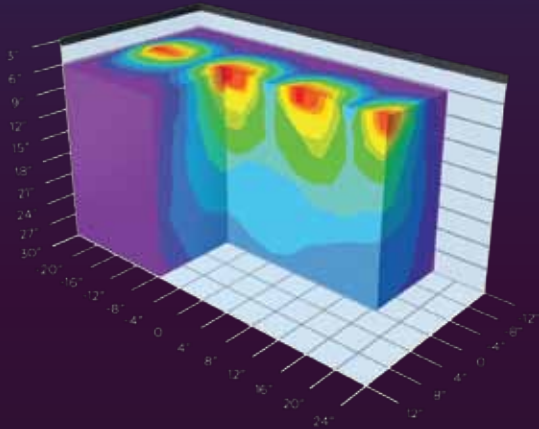
Natural coral ecosystems thrive in cool seawater conditions and their health becomes threatened by rising temperatures

Each Aqualight LED module is built around a heat-dispersing chassis with integrated heat sensors. These activate a powerful yet quiet cooling fan to remove heat from the fixture and away from the aquarium.

AQUALIGHT LED

GROW AND MAINTAIN ANY CORAL SPECIES

The Aqualight LED is designed to support strong **PAR*** output in the critical range of 200-3 00 micromoles. In addition, the Aqualight LED is capable of going well beyond to accommodate the needs of any coral species.



PAR Legend (micromoles/m²/sec)

● 1100-1200	● 1000-1100	● 900-1000	● 800-900
● 700-800	● 600-700	● 500-600	● 400-500
● 300-400	● 200-300	● 100-200	● 0-100

* **PAR** (Photosynthetically Active Radiation) is the measurement of the amount of light available to an organism for photosynthesis. This number, typically measured in units called micromoles, determines light density.



10,000K - 85% Intensity



20,000K - 100% Intensity

AQUALIGHT LED

ENGINEERED FOR NATURAL REEF HEALTH AND BEAUTY



14,000K - 70% Intensity



Moonlight

The Aqualight LED boasts a balanced mix of high-power LEDs and state-of-the-art optics including specially designed lenses, collimators and metallic reflectors.



Explore three pre-programmed color temperature settings—10,000K, 14,000K and 20,000K—plus a moonlight setting.



The light intensity of each color temperature setting can be adjusted from 10% - 100%, allowing you to create settings that are ideal for growing your choice of coral species.

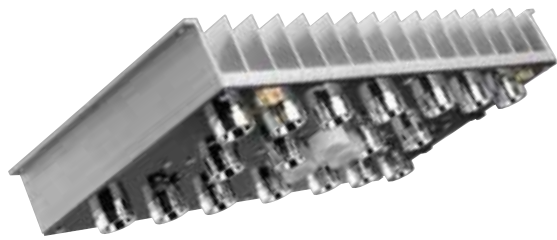


AQUALIGHT LED

MAINTAIN COOL, HEALTHY WATER TEMPERATURES

LED lamps produce less heat than conventional bulbs but they will create enough heat to affect LED performance if not managed properly.

Sophisticated yet simple, our thermal management design helps maintain the cool water temperatures that corals need to thrive.



Cast aluminum heat sink provides the foundation of each LED module.



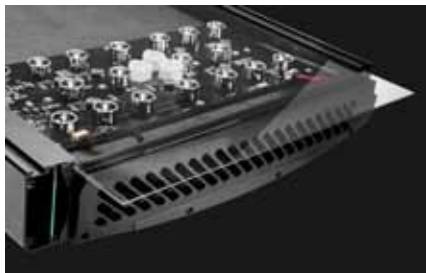
- Quiet yet powerful sensor-activated cooling fan removes heat from the light fixture and away from the aquarium.
- Cooling vents in the fixture housing allow heat to disperse freely.

AQUALIGHT LED

THE MOST DESIRED COMPONENT: RELIABILITY

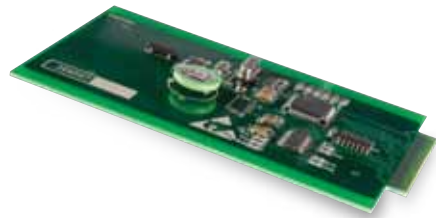
Aqualight LED is designed with quality in mind including key features to ensure reliable long-term performance.

Custom attributes and features of the Aqualight LED



Protection from Moisture

Each LED board is covered with an advanced conformal coating designed to resist moisture. The clear polycarbonate lens adds another barrier of protection against evaporation and water spray.



Integrated Battery Back-Up

Saves user settings in the event of power loss. Once power is restored, Aqualight LED will remember prior settings and resume operation.



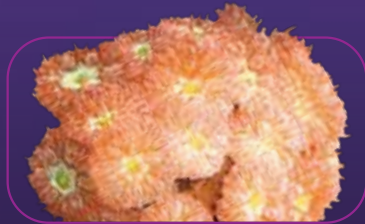
Fixture Mounting Options

Aqualight LED comes with sturdy leg assemblies for mounting directly on the aquarium frame.

A complete suspension hardware kit is also included if you prefer to hang the fixture from overhead.



FOR
THE LIFE
OF YOUR
CORAL



As the aquarium hobbyist matures in knowledge and abides by the ways of nature, the need for sophisticated support and resources which mimic that natural environment become clear.

The Coralife line of aquarium products are dedicated to this goal. The introduction of our new Aqualight LED fixture is one of many items that promote success in the saltwater hobby.

Technical Specifications

Fixture Dimensions

46.25" L x 15" W x 3.38" H

Aqualight LED was designed for optimal use on aquariums 48" long x 18"-30" wide x 30" tall

Fixture Weight

28 lbs.

Mounting Options *(included)*

Mounting Leg Brackets (qty. 4)

Coralife Hanging Hardware Kit

Fixture Power Draw *(at 117V)*

257W 10,000K Setting (100% Intensity)

302W 14,000K Setting (100% Intensity)

303W 20,000K Setting (100% Intensity)

Power Supply *(qty. 4)*

AC Adaptor: Model LP2440

Input: 100-240VAC, 50/60Hz 1.8A

Output: DC+24V/4A



RoHS Compliant

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Franklin, WI 53132
888.255.4527

coralifeproducts.com

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