

SeeBrite™ Tri-LED Aquaculture Light



Reduce Costs, Increase Size and Profits

SeeBrite™ Tri-LED aquaculture lights are designed using full spectrum LEDs to save energy, promote fish growth, and mitigate sea lice.

Save Energy Costs

Our innovative LEDs ensure best conversion of energy to light output. IAS LED lights have a quicker return on investment using less energy to output an equivalent amount of light compared to metal halide and other LED lights.

Promote Growth

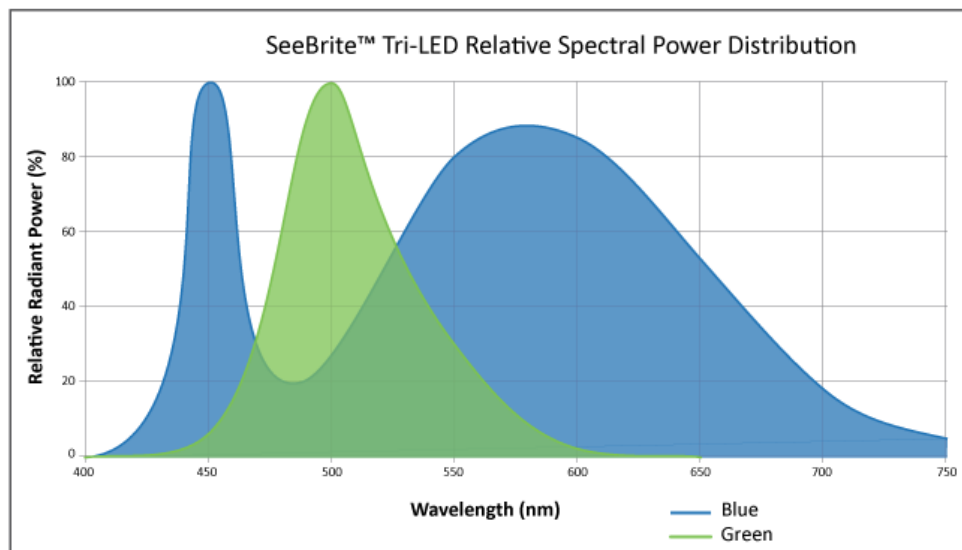
SeeBrite™ Tri-LED light fixtures use an innovative focused spectrum LED utilizing blue, green, and white wavelengths to deliver the required photons to the pineal gland of salmon to help delay maturation. These color spectrums are customizable for specific farm requirements to address water conditions - a light that is perfect for your fish.

Brightness Control for Happy Fish

All SeeBrite™ LED light fixtures offer gradual ramp up to full brightness as required to avoid fish stress that causes poor feed conversion. Happy fish have stronger appetites, are healthier, and grow faster and larger. IAS offers customizable ramp up times for specific species and farm requirements.

Downward Illumination for Sea Lice Avoidance

SeeBrite™ Tri-LED aquaculture light fixtures face downward at depth providing a non-chemical approach to support sea lice mitigation.



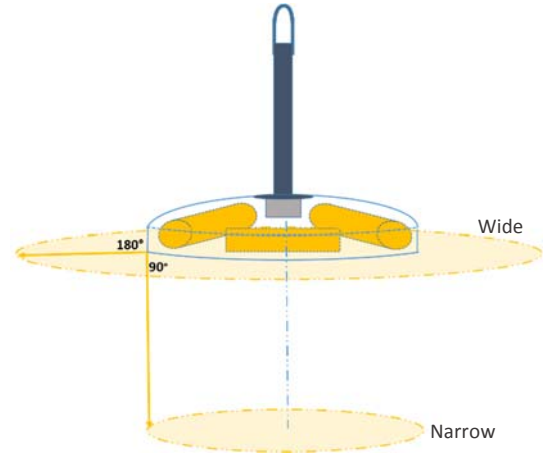
Easily Adjustable Beam Angle

Easily adjust light coverage by independently rotating each of three SeeBrite™ LED light housings within the fixture. Adjust any one, or all of the light housings to create a narrow focus or wide dispersed zone of downward facing light.



Robust Housing Designed for Extreme Environment

SeeBrite™ light fixtures are manufactured with a Lexan® shatterproof housing and are built entirely of non-conductive components to avoid the light working as a sacrificial when farm electrical systems are improperly grounded. All SeeBrite lights meet UL and CSA standards and CE compliance.



Let's Talk!
We Are Your Solution
CONTACT US TODAY

info@iasproducts.com

www.iasproducts.com

Specifications

Voltage	110 – 240 Vac +/- 10%, 50-60 Hz
Power	120V 324W equivalent to 540W metal halide ¹ 230V 483W equivalent to 800W metal halide ¹
Current	120V 2.7amps, 240V 2.1 amps
Power Factor	0.96 ²
Luminaire Efficacy (Lm/Watt)	120V: white & blue 93.9, green 67 230V: white & blue 105, green 75
Spectral Distribution	Blue 425-485nm, Green 485-550nm White 400 – 750 nm (with focus at 425-550 nm)
Dimensions	Diameter 66 cm, Height 16 cm
Cable	Type: Polyurethane Conductors: 3 x 16 ga 1 x twisted pair – shielded Type I / II fire rated Standard length: 30 m Optional length: 3 – 50 m
Weight	12.7 kg without cable 18.14 kg with 30 m cable
Materials	Lexan®, Acetal®, thermal plastic, stainless steel, aluminum
Certifications	UL & CSA , CE compliant
IP 68	Continuous underwater submersion

¹Equivalent to 84000 lumens when scaled to 800W.

²Ideal power factor is 1.0. This is an essential benchmark when evaluating light fixtures. 0.95 and higher is excellent, any value below 0.95 indicates hidden extra energy costs without benefit.

Specifications subject to change.