

SeeBrite™ FloodView Aquaculture Light



Reduce Costs, Increase Size and Profits

SeeBrite™ FloodView 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

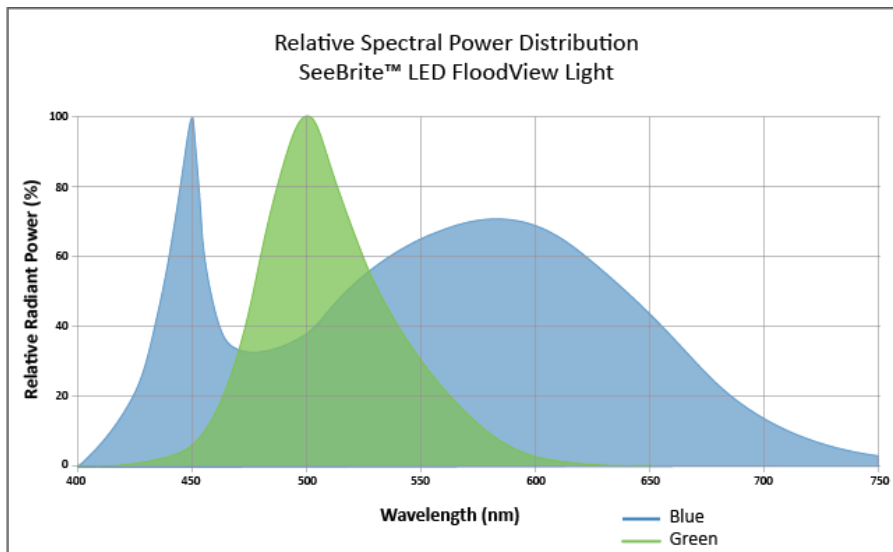
SeeBrite™ FloodView light fixtures use an innovative focused spectrum LED utilizing blue, green, and white wavelengths to deliver the required photons to the pineal gland of salmon to help delay maturation. These color spectrums are customizable for specific farm requirements to address water conditions - 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™ FloodView aquaculture light fixtures face downward at depth providing a non-chemical approach to support sea lice mitigation.



Robust Housing Designed for Extreme Environment

SeeBrite™ FloodView light fixtures are manufactured with a Lexan® shatterproof lens mated with an Kydek® plastic housing for an entirely non-conductive light fixture. Unlike metal, FloodView light fixtures will not allow the light housing to act as a grounding point. A metal housing design will allow electrolysis which eats the metal causing the housing to fill with water and short. FloodView fixture design will not allow the light to act as a grounding point when farm electrical systems are improperly grounded.

All SeeBrite™ FloodView lights meet UL and CSA standards and CE compliance and tested to withstand underwater depth of up to 350 feet/106 meters

Dimmable with SeeBrite™ L100 Light Controller
Control and dim up to 6 FloodView lights connected to the L100 Light Controller

Specifications

Voltage	120 & 230 Vac +/- 10%, 50-60 Hz
Power	120V 550-600W equivalent to 800W metal halide ¹ 230V 966W equivalent to 1300W metal halide ¹
Current	120V 1.6 amps, 230V 1.6 amps
Power Factor	0.96 ²
Luminaire Efficacy (Lm/Watt)	120V: white & blue 900-1007, green 67 230V: white & blue 900-1007, green 75
Spectral Distribution	Blue 425-485nm, Green 485-550nm White 400 – 750 nm (with focus at 425-550 nm)
Dimensions	Diameter 320 mm, Height 215 mm
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	10 kg without cable 20 kg with 30 m cable
Materials	External: Lexan®, Acetal®, Kydek® plastic Internal: stainless steel, aluminum
Certifications	QAI Special Inspection CE compliant
Rating	IP 68 Continuous underwater submersion

¹Equivalent to 115,000 – 138,000 lumens when scaled to 1300W.

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.