

DATASHEET

FOCUS

Focus Integral

Aquaculture luminaire

Focus Sea Cage Lighting by Planet Lighting represents a new era of lighting performance and sustainability for aquaculture. Designed for maximum efficiency and low maintenance, Focus can reduce your operational costs and your environmental footprint while promoting optimal conditions for your fish.

Discover Focus Integral, our user-friendly, compact luminaire combining powerful efficiency, soft start capability and illumination up to 70,000 lumens without the hassle of remote gear.

Contact us to revolutionize your aquaculture lighting today.

www.planetlighting.com/aquaculture-lighting



PLANET
LIGHTING

Focus Integral

Focus Integral is a powerful, compact and highly efficient all-in-one underwater luminaire designed for use in sea cage farming systems. No remote gear or drivers necessary.

APPLICATIONS



Aquaculture



Mariculture



Photoperiod
Manipulation

SPECIFICATIONS

LED LIFETIME

L90(12K) >109,000hrs

ELECTRICAL

Max power: 440-465W with losses

Typical voltage: 230v/110v

Typical current: 1.9-2.0A (at 230v AC)

4.0-4.23A (at 110v AC)

Peak efficiency: 171lm/W at emitter

MATERIAL

Metalware: Marine grade aluminium

Glass: Borosilicate

Cable: CPE/EPDM rubber

AMBIENT OPERATING CONDITIONS

Ambient Operating Conditions

temperature rating: 40 °C to -45°C

Water temperature: -2°C to 25°C

Only use product submerged in water

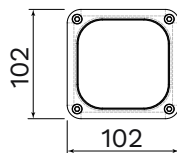
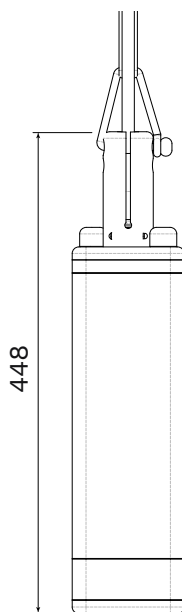
Maximum operating depth 60m.

PROTECTION CLASS

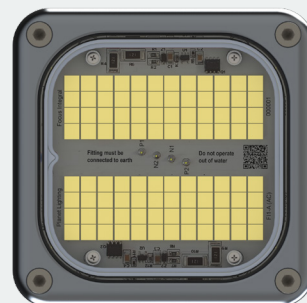
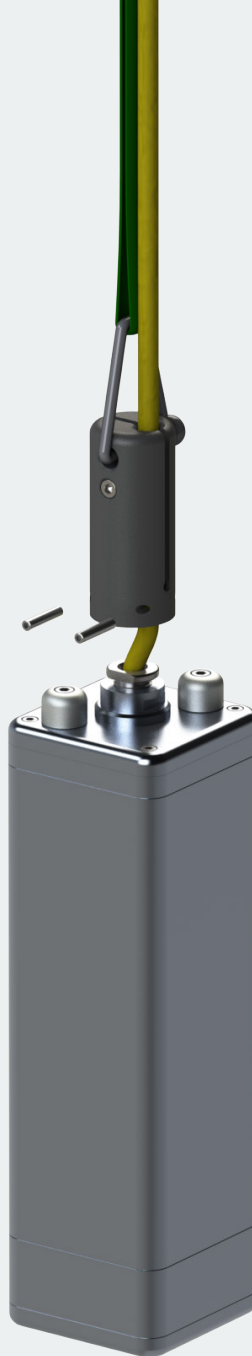
IP68

WEIGHT

6,3kg without cable



All measurements in millimetres (mm)



*Specifications are subject to change without notice.



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PHOTOMETRICS

TECHNICAL

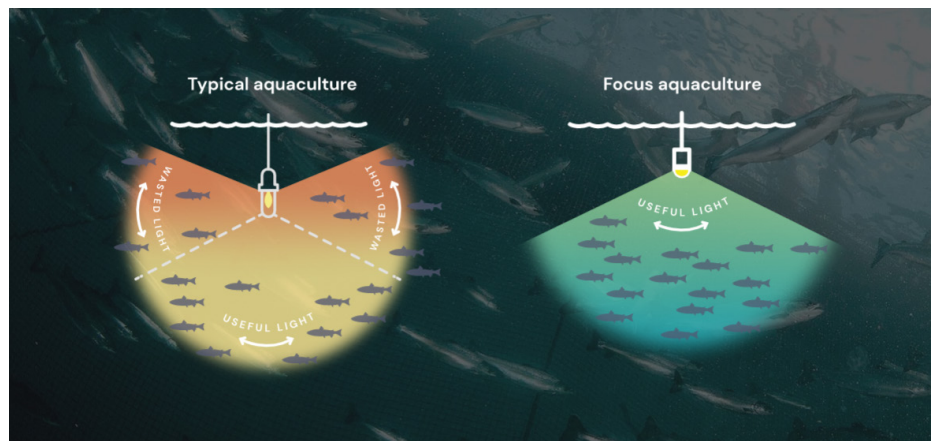
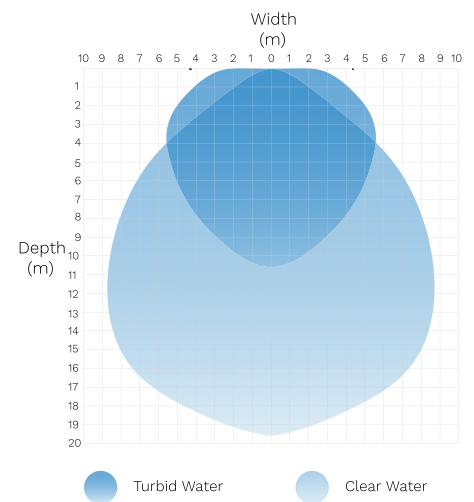
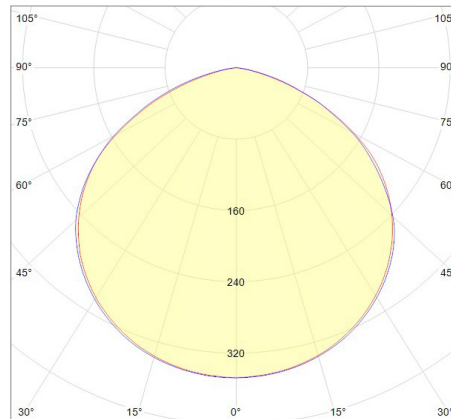
Daylight White LED
CRI 70

PERFORMANCE

Efficiency: 156 lm/W
Peak efficiency: 171lm/W at emitter
Max lumen output: 72000 lm
Typical lumen output: 66000 lm
Performance: +/-10%

LIGHT DISTRIBUTION

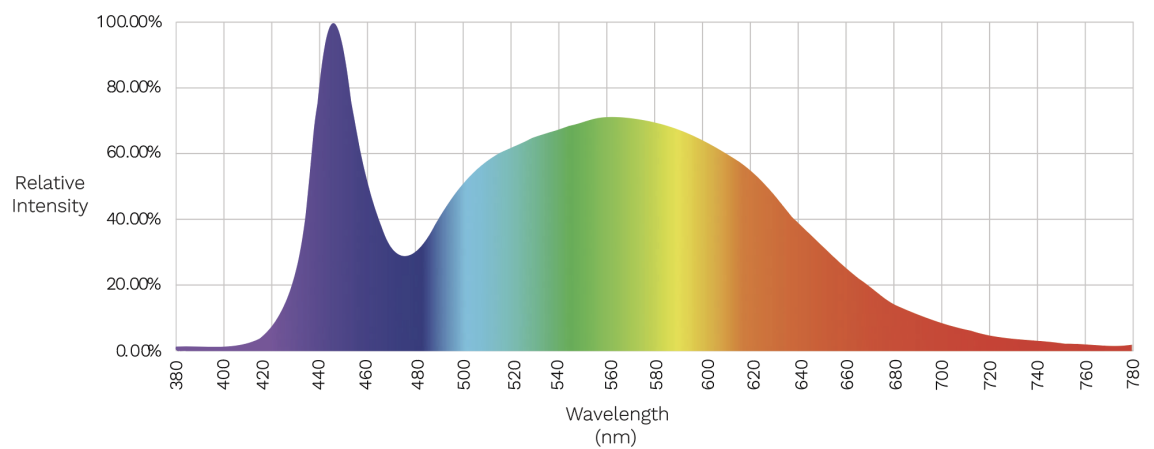
Circular with a beam angle of 120°



A typical aquaculture light

Focus Integral aquaculture luminaire

Focus Integral has a downwelling light for maximum light effectiveness and to help increase fish health outcomes.



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INSTALLATION

- Designed to retrofit to existing RCD protected circuits at your pen.
- Luminaire to be suspended underwater from a rope through the shackle.

CABLE

- Black CPE over EPDM marine grade rubber cable, UV resistant, oil resistant, and flame retardant.
- Each cable kit is supplied with the new suspension rod, which delivers tangle free strain relief.

CONTROL

- The Focus Integral drivers are not programmable and require external control to execute a soft start or soft stop sequence.
- Standard control offers a 30 minute soft start when powered.



PRODUCT CODE

STANDARD SPECIFICATION

FI2-A-40RX

Focus Integral daylight white LED on 40m cable

FI2-A-95RX-2

Focus Integral daylight white LED on 95m cable with dual anodes

*Specifications are subject to change without notice.



Focus

More light. Less work.

The ultimate high efficiency all-in-one aquaculture lighting solution, Focus Integral is designed for easy Plug & Play operation. Contact us to find out more.



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