



Junction Box Format



Hard Wire Format

- Improves animal welfare
- Natural sunrise / sunset simulation
- Withstands harsh aquaculture environments
- Meets the developmental needs of your fish
- Advanced species-specific spectrum



Dim-to-Blue® technology allows the light to be adjusted at the right time in a growth cycle, meeting the animal's developmental needs.



ONCE® AquaShift® lighting systems are developed to meet the individual needs of your fish, while withstanding the harsh environments of modern aquaculture applications.

Animal-Centric Lighting Systems

ONCE® lighting systems provide a customized light intensity, color spectrum and photoperiod designed specifically for your animal. The AquaShift® MLA-BL is an advanced fixture made to enhance production and reduce stress on fish raised in commercial aquaculture environments. It provides a white light spectrum, with an enhanced blue wavelength, is fully programmable and has the ability to simulate an aquaculture-specific sunrise and sunset simulation.

Aquaculture-Specific

AquaShift® lighting systems withstand the high humidity and harsh conditions of modern aquaculture applications. The AquaShift® MLA-BL is designed to be wet location compatible, National Electrical Code compliant for Agricultural Facilities (Article 547), and ETL listed.



AquaShift® MLA-BL Specifications

Nominal Power	12W (at full intensity)
Luminous Flux	650 lm human photopic
Input Voltage	120 VAC / 50/60Hz
Beam Angle	180°
Light Output Equivalence	Up to 100W incandescent
Spectral Output	Species-specific blue/green enhanced white, w/ added red
Operating Temperature	-20°C to 40°C / -4°F to 104°F
Dimmable Range	100% to 5%, dims-to-blue hue
Dimmer Type	Phase Modulation or Amplitude Control*
Environmental Ratings	Suitable for wet locations, ROHS Compliant Suitable for Indoor Corrosive Environments
Safety	ETL Listed, Conforms to UL Std. 1598 Certified to CAN/CSA C22.2 No. 250-08
Rated Life	50,000 hours

*For optimum dimming performance use AgriShift® Controllers

*All units are packaged individually with integral gasket (attached) and 2 screws.

Ordering Information

AquaShift® MLA-BL

Hard-Wired (HW)

SKU

MLA-BL-HW-180-012-120

Includes 78" cord, Junction Box, Junction Box Cover, Cordgrip and Nut

Junction Box (JB)*

MLA-BL-JB-180-012-120

Includes JB adaptor/connector kit and Junction Box

AquaShift® MLA-BL Accessories

SKU

AgriShift® G Controller

ALC-G2S-UNAC-2-10

AgriShift® Master Controller 120V

30-014-00188-L123

AgriShift® Slave Dimmer 120V

30-014-00189-L123

AgriShift® Master Controller 240V-50Hz

30-014-00180-L123

AgriShift® Master Controller 240V-60Hz

30-014-00180-L123-60Hz

Junction Box

PRB575GYKO

Five total ¾" KO hubs, four sealed

Junction Box Cover

26-0049

Round Weatherproof Cover with Gasket and Screws included

Water-tight Cordgrip

02-0231

Liquid Tight Cordgrips, Straight-Thru, ½" NPT Hubs

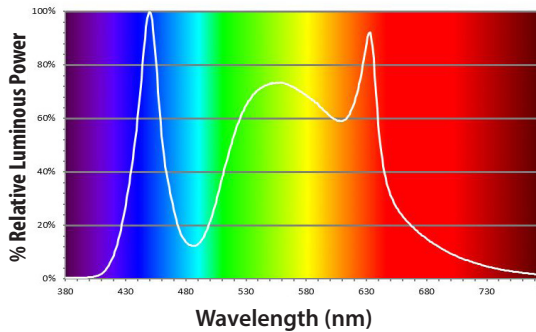
Water-tight Locknut

02-0232

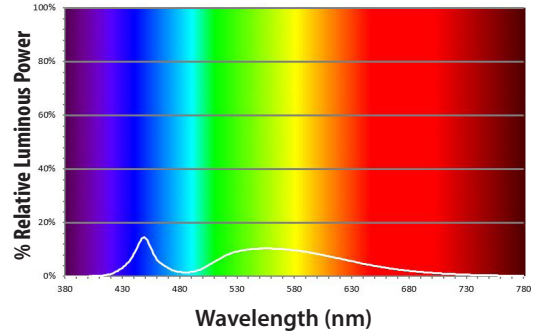
Nylon Locknuts ½" NPT Thread

The spectral output charts below show the AquaShift® MLA-BL at 100% (left) compared to it dimmed at 10% (right).

AquaShift® MLA-BL Spectral Output at 100%



AquaShift® MLA-BL Spectral Output at 10%



Complete Your AquaShift® Lighting System: AgriShift® G Controller

- Improves animal welfare
- Offers several advanced features, adding flexibility
- Eliminates lighting anomalies to increase production
- Universal input power

The AgriShift® G Controller is a slave dimmer that provides full potential to any ONCE® AC lighting fixture. It offers smooth dimming solutions that can easily be controlled by two separate 0-10 VDC control signals and several advanced features, giving added flexibility while addressing the complex needs of today's modern agriculture facilities.

