



Junction Box Format



Hard Wire Format

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



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

The correct lighting system is a powerful tool that can help to enhance production and reduce stress on your fish. With ONCE® lighting systems, you provide a customized light intensity, color spectrum, and photoperiod designed specifically for your animal.

The AquaShift® MLA-GY is an advanced 230V lighting 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.



AquaShift® MLA-GY Specifications

Nominal Power	12W (at full intensity)
Luminous Flux	650 lm human photopic
Input Voltage	230 VAC / 50/60 Hz
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/green 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

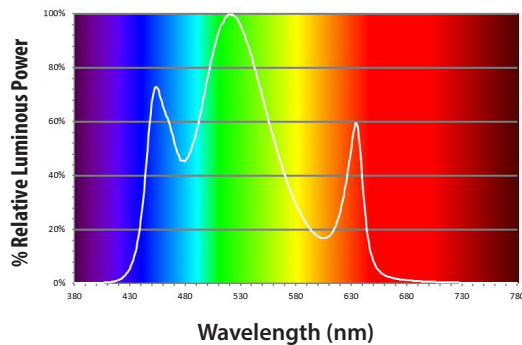
AquaShift® MLA-GY	SKU
Hard-Wired (HW)	MLA-GY-HW-180-012-230
<i>Includes 78" cord, Junction Box, Junction Box Cover, Cordgrip and Nut</i>	
Junction Box (JB)*	MLA-GY-JB-180-012-230
<i>Includes JB adaptor/connector kit and Junction Box</i>	

AquaShift® MLA-GY Accessories

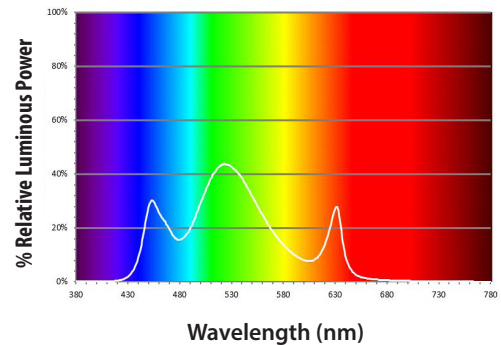
AquaShift® G Controller	SKU
AgriShift® G Controller	ALC-G2S-UNAC-2-10
AgriShift® Master Controller 120V	30-014-00188-L123
AgriShift® Slave Dimmer 120V	30-014-00189-L123
AgriShift® Master Controller 240V-50Hz	30-014-00180-L123
AgriShift® Master Controller 240V-60Hz	30-014-00180-L123-60Hz
Junction Box	PRB575GYKO
<i>Five total ¾" KO hubs, four sealed</i>	
Junction Box Cover	26-0049
<i>Round Weatherproof Cover with Gasket and Screws included</i>	
Water-tight Cordgrip	02-0231
<i>Liquid Tight Cordgrips, Straight-Thru, ½" NPT Hubs</i>	
Water-tight Locknut	02-0232
<i>Nylon Locknuts ½" NPT Thread</i>	

The spectral output charts below show the AquaShift® MLA-GY at 100% (left) compared to it dimmed to 40% (right).

AquaShift® MLA-GY Spectral Output at 100%



AquaShift® MLA-GY Spectral Output at 40%



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.

