



Hardwire  
Format



Edison Base  
Format



Junction Box Format

- Fully dimmable
- Reduces energy costs
- Enhances productivity
- Improves animal welfare
- Advanced 12 W LED system optimized for layers
- Patented spectral output for avian vision†
- Dim-to-Red® technology calms flock
- 5 Year (24/7) 50,000 hour warranty
- Built For Your Barn® design



AgriShift® lighting systems are agriculture specific and developed to meet the individual needs of your animals\*. The lights "shift" spectrum and intensity.



Dim-to-Red® technology provides a natural sunrise and sunset simulation, reducing stress on your animals.



ONCE® AgriShift® fixtures have a **Built For Your Barn®** design, using techniques and materials that withstand the harsh barn environment for years to come.

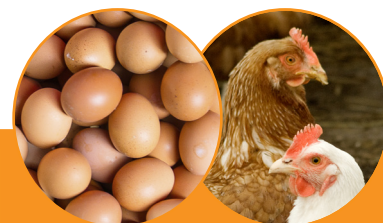
## Animal-Centric Lighting Systems

### Productivity Enhancement

AgriShift® LED lighting makes it easy to provide natural daylight simulation for improved productivity. The Dim-to-Red® light spectrum featured by the AgriShift® MLL has been shown to decrease the time to peak production by stimulating ovulation via the release of reproduction stimulating hormones. Sunrise and sunset simulation eliminates the stress of switching lights on and off abruptly. Research and on-farm testing of AgriShift® LED systems have both shown immediate changes in bird behavior, increased performance and lower overall stress indicators.

### The Science Behind the Technology

The AgriShift® MLL has a deep red saturated light output, with an added blue and green spectrum, benefiting the vision of your animal. The enhanced red spectrum is the only spectrum which stimulates a hen's hypothalamic and pineal oscillators, helping maintain circadian rhythms and promotes sexual maturity. It also stimulates the release of two reproduction regulating hormones essential for sexual maturation and daily egg production.



## AgriShift® MLL Specifications

Nominal Power	12 W (at full intensity)
Lumens - 120V	400 lm human photopic,
Lumens - 230V	700 fowl photopic
Light Output Equivalence	Up to 100 W incandescent
Input Voltage	120 VAC / 60 Hz
Beam Angle	180° (Short) 200° (Tall)
Spectral Output	Layer specific red and blue enhanced white
Operating Temperature	-20°C to 40°C / -4°F to 104°F
Dimmable Range	100% to 5%, dims to red
Dimmer Type	Phase Modulation or Amplitude Control*
Environmental Ratings	Suitable for wet locations (JB, JJ, HW), ROHS Compliant, Suitable for Indoor Corrosive Environments, Tested to CAN/CSA C22.2 No. 94.2-07, CLAUSE 8.7
Safety	Conforms to UL Std. 1598 (HW, JB) Certified to CAN/CSA C22.2 No. 250.-08 (HW, JB) Conforms to UL Std. 1993 (EB, JJ) Certified to CSA Std. C22.2 No. 1993 (EB, JJ)
Rated Life	50,000 hours
Limited Warranty	3 Years (24/7 operation)

## Ordering Information

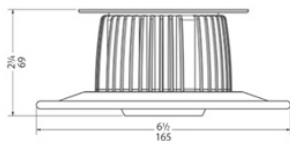
AgriShift® MLL 120V	SKU
Edison Base (EB)	MLL-FSWB-EB-180-012-120
Jelly Jar (JJ)	MLL-FSWB-JJ-180-012-120
<i>Includes JJ adaptor/connector kit</i>	
Junction Box (JB)	MLL-FSWB-JB-180-012-120
<i>Includes JB adaptor/connector kit</i>	

AgriShift® MLL 230V	SKU
Edison Base (EB)	MLL-FSWB-EB-180-012-230
Jelly Jar (JJ)	MLL-FSWB-JJ-180-012-230
<i>Includes JJ adaptor/connector kit</i>	
Junction Box (JB)	MLL-FSWB-JB-180-012-230
<i>Includes JB adaptor/connector kit</i>	

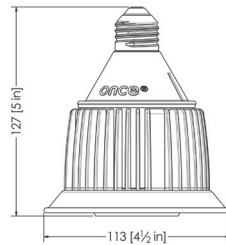
AgriShift® Controllers	
Master Controller 120V	LCL-0.2-120V / 30-014-00134
Slave Dimmer 120V	LCL-30-014-00156-L123
Master Controller 240V	LCL-0.2-240V / 30-014-00144

## AgriShift® MLL Mechanical Dimensions

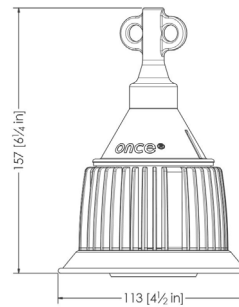
Junction Box (JB)



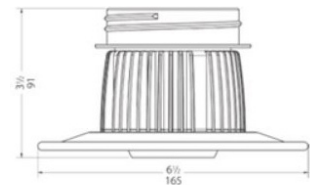
Edison Base (EB)



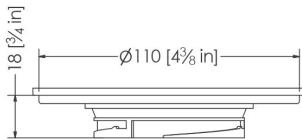
Hardwire (HW)



Jelly Jar (JJ)



JB Adaptor Kit



\* For optimum dimming performance use AgriShift® Controller

## AgriShift® Controllers Master and Slave Units

- Precise, consistent, incremental dimming
- Program up to 500 days divided into 20 lighting periods
- Advanced technology for LED lighting
- Daylight and night time modes
- Fully automatic control or manual options



Master Controller



Slave Dimmer

The integrated AgriShift® Master Controller and Slave Dimmer provide smooth, programmable dimming to enable the full potential of any ONCE® AgriShift® fixture. They offer several advanced features that address the complex needs of today's modern farming facilities and can both be easily programmed with the accessible display and program buttons on the front panel.