



- Improves animal welfare
- 3W equivalent to 25W incandescent
- Fully dimmable with sunrise and sunset feature
- Low-profile, small form factor lighting system
- Advanced system specialized for layers
- Dim-to-Red® technology calms flock
- Durable, Built For Your Barn® design



AgriShift® lighting systems "shift" spectrum and intensity, meeting the individual needs of your animals†.



**Dim-to-Red®** technology provides natural dawn and dusk simulation, reducing stress on animals.



A **Built For Your Barn®** design uses techniques and materials that withstand harsh barn environments for years to come.

## Animal-Centric Lighting Systems

The AgriShift® EL is designed to be placed directly down the center of inspection aisles on standard, enriched or aviary systems. It uses a standard ½ inch PVC conduit body as housing and T-Tap electrical connectors, allowing for easy installation.

### The Science Behind the Technology

The AgriShift® EL 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 promoting sexual maturity.

### Productivity Enhancement

Dim-to-Red® technology makes it easy to provide natural daylight simulation for enhanced productivity. The red spectrum used has been shown to decrease time to peak production by stimulating the release of two reproduction regulating hormones essential for sexual maturation and daily egg laying. Sunrise and sunset simulation eliminates the stress of switching lights on and off abruptly, lowering mortality, while improving immune response.



## AgriShift® EL Specifications

Nominal Power	3.4W (at full intensity)
Luminous Flux	175 lm human photopic
Input Voltage	120 VAC / 50/60 Hz
Beam Angle	180°
Light Output Equivalence	Up to 25W incandescent
Spectral Output	Species-Specific red enhanced white
Operating Temperature	-20°C to 40°C / -4°F to 104°F
Dimmable Range	100% to 5%, dims-to-red hue
Dimmer Type	Phase Modulation or Amplitude Control*
Environmental Ratings	Suitable for damp locations** ROHS Compliant
Safety	ETL Listed, Conforms to UL Std. 1598 Certified to CAN/CSA C22.2 No. 250-08 Certified to CSA Std. C22.2

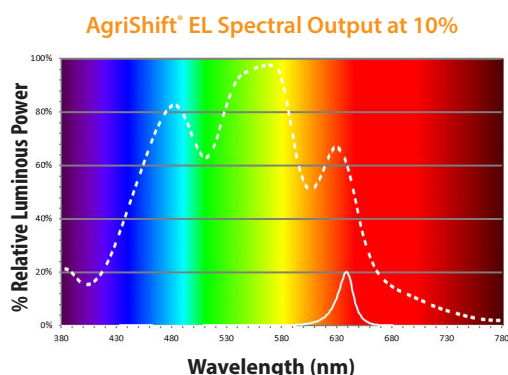
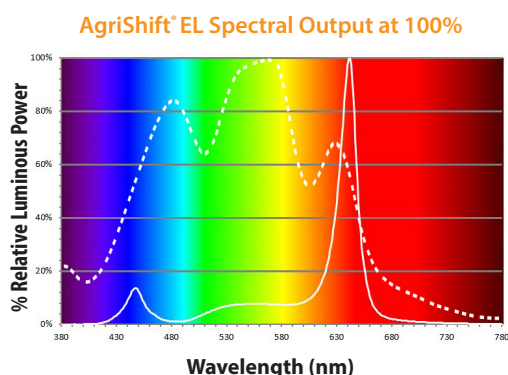
## Ordering Information

	SKU
AgriShift® EL Lamp	EL-FSWR-P1C-120-003-120
<i>Includes EL lamp, 3 T-Tap connectors, 2 screws and ½" PVC conduit body</i>	
	SKU
AgriShift® Controllers	
AgriShift® Master Controller 120V	30-014-00189-L123
AgriShift® Slave Dimmer 120V	30-014-00188-L123
AgriShift® Master Controller 240V-50Hz	30-014-00180-L123
AgriShift® Master Controller 240V-60Hz	30-014-00180-L123-60Hz

\* For optimum dimming performance use an AgriShift® Controller

\*\*May not meet electrical codes in all states

The spectral output graphs below show the AgriShift® EL for Layers at 100% (left), compared to it at 10% (right), while demonstrating how a chicken sees the light (dotted line).



## Complete Your AgriShift® Lighting System: AgriShift® Master Controller and Slave Dimmer

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

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.



Master Controller



Slave Controller