



- Improves animal welfare
- Increases flock performance
- Provides a more uniform light pattern
- Fully dimmable with sunrise and sunset feature
- Species-specific Dim-to-Red® technology
- Easy installation decreases labor costs
- Helps maintain circadian rhythms
- Promotes sexual maturity



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 your 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® TLL tube light provides poultry producers with an in-system lighting solution that meets the needs of today’s modern poultry houses. Made with Dim-to-Red® technology and a Built For Your Barn® design, the AgriShift® TLL reduces electricity costs, decreases labor and maintenance costs, and increases flock performance.

In-system lighting provides a more uniform and continuous light pattern free of dark spots and shadows. Birds are less likely to be spooked or provoked by movement outside of the system and are noticeably less-stressed and calmer.

The Science Behind the Technology

The AgriShift® TLL 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. It also stimulates the release of two reproduction regulating hormones essential for sexual maturation and daily egg production.



AgriShift® TLL Specifications

Nominal Power	2-Tube Assembly: 7W (at full intensity)
Luminous Flux	168 lm human photopic 331 lm poultry photopic
Input Voltage	120 VAC*
Beam Angle	200°
Light Output Equivalence	Up to 25W incandescent
Spectral Output	Layer-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**, Suitable for indoor corrosive environments per UL50E Salt Spray Test, RoHS Compliant
Safety	Conforms to ANSI/UL STD 1598, Certified to Can/CSA STD. C22.2 NO. 250.0
Rated Life	50,000 hours

*Maximum number wired in series: 30 units of 10W (max 2.5A per string)

**May not meet electrical codes in all states

***For optimum dimming performance use AgriShift® Controllers

Ordering Information

AgriShift® TLL	SKU
1-Tube Assembly, 55" OAL <i>Includes mounting clips</i>	TLL-0140-1-120
2-Tube Assembly, 61" OAL <i>Includes mounting clips</i>	TLL24-0063-2-120
2-Tube Assembly, 95" OAL <i>Includes mounting clips</i>	TLL-0126-2-120
2-Tube Assembly, 110" OAL <i>Includes mounting clips</i>	TLL24-0076-2-120
2-Tube Assembly, 150" OAL <i>Includes mounting clips</i>	TLL-0128-2-120
2-Tube Assembly, 194" OAL <i>Includes mounting clips</i>	TLL-0109-2-120
2-Tube Assembly, 232" OAL <i>Includes mounting clips</i>	TLL-0143-2-120

AgriShift® TLL Accessories

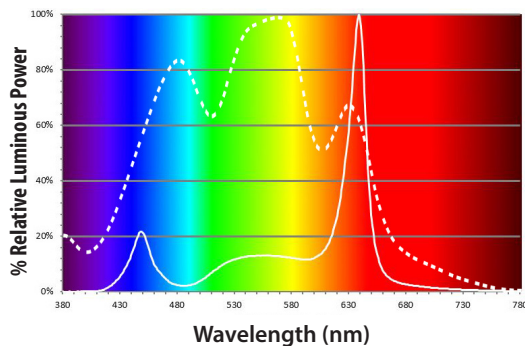
AgriShift® TLL Accessories	SKU
Starter Cable, 15ft <i>Female connector on one end</i>	TL-EXT-1-180
Male End Cap	TL-CAP-M

AgriShift® Controllers

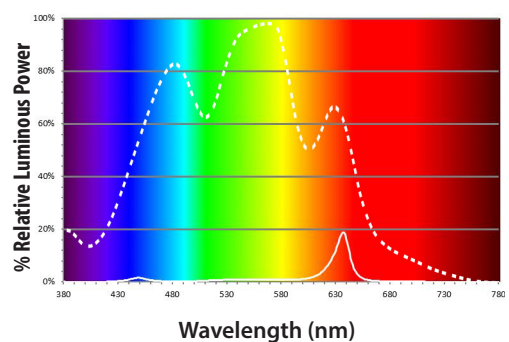
AgriShift® Controllers	SKU
AgriShift® G Controller	ALC-G2S-UNAC-2-10
AgriShift® Master Controller 120V	30-014-00188-L123
AgriShift® Slave Dimmer 120V	30-014-00189-L123
AgriShift® Master Controller 240V-50Hz	30-014-00180-L123
AgriShift® Master Controller 240V-60Hz	30-014-00180-L123-60Hz

The spectral output charts below show the AgriShift® TLL 120V at 100 % (left), compared to it dimmed to 20% (right), while demonstrating how a chicken sees the light (dotted line).

TLL Spectral Output at 100%



TLL Spectral Output Dimmed at 20%



Complete Your AgriShift® 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.



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