



- *Easy installation*
- *Two tubes assembly, 5' and 14"*
- *Advanced linear in-system lighting solution*
- *Improves animal welfare*
- *Durable, Built For Your Barn® design*
- *Dim-to-Red® technology enhances performance*
- *Fully dimmable with sunrise and sunset feature*
- *Patent spectral output for avian vision*



AgriShift® lighting systems "shift" spectrum and intensity, meeting the individual needs of your animals¹.



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 environment for years to come.

Animal-Centric Lighting Systems

The AgriShift® TLL Long/Short in-system tube light provides poultry producers with a 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 Long/Short increases flock performance, decreases labor and maintenance costs and significantly reduces electricity costs.

Long/Short in-system tube lighting provides a more uniform and continuous light pattern which brings birds into they system while providing a darker nesting area. This promotes movement of birds in the nest box to lay eggs, making them noticeably less stressed and calmer.

The Science Behind the Technology

The AgriShift® TLL Long/Short 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 bird'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 Long/Short Specifications

Nominal Power	2-Tube Assembly: 10W (at full intensity)
Luminous Flux	380 lm human photopic (120V Both Tubes) 750 lm poultry photopic (120V Both Tubes)
Input Voltage	120 VAC / 50/60 Hz
Beam Angle	200°
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*** OHS Compliant
Safety	ETL Listed Conforms to ANSI/UL Std. 1598 Certified to CAN/CSA C22.2 No. 250.-08
Rated Life	50,000 hours

Ordering Information

AgriShift® TLL Long/Short 2-Tube Assembly, 192" OAL <i>Includes mounting clips</i>	SKU TLL-137-2-120
AgriShift® TLL Long/Short Accessories Starter Cable, 15ft <i>Female connector on one end</i> Male End Cap	SKU TL3-EXT-1-180 TL-CAP-M
AgriShift® Controllers AgriShift® G Controller AgriShift® Master Controller 120V AgriShift® Slave Dimmer 120V AgriShift® Master Controller 240V-50Hz AgriShift® Master Controller 240V-60Hz	SKU ALC-G2S-UNAC-2-10 30-014-00188-L123 30-014-00189-L123 30-014-00180-L123 30-014-00180-L123-60Hz

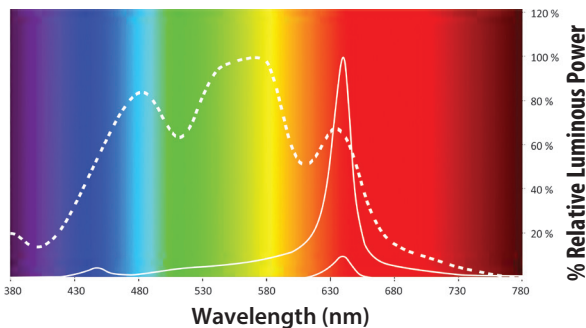
*Maximum number wired in series: 30 units of 10W (max 2.5A per string)

**For optimum dimming performance use AgriShift® Controllers

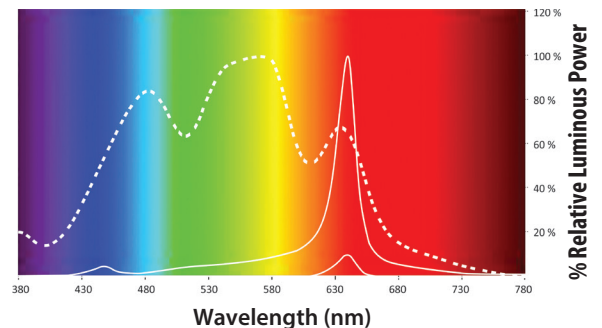
***May not meet electrical codes in all states

The spectral output charts below show Relative Luminous Power percentage for the AgriShift® TLL Long tube (left) and Short tube (right) at 100% compared to it dimmed at 20%, while demonstrating how a chicken sees the light (dotted line).

TLL Long Tube Spectral Output at 100% vs 20%



TLL Short Tube Spectral Output at 100% vs 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.

