



- *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

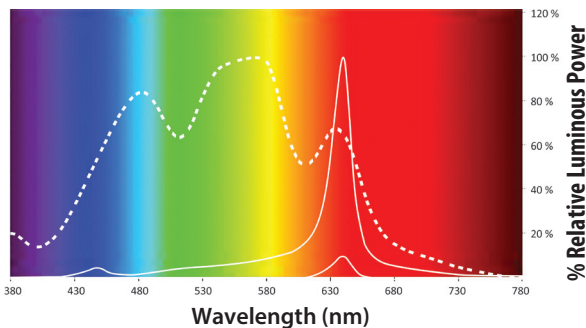
## Ordering Information

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

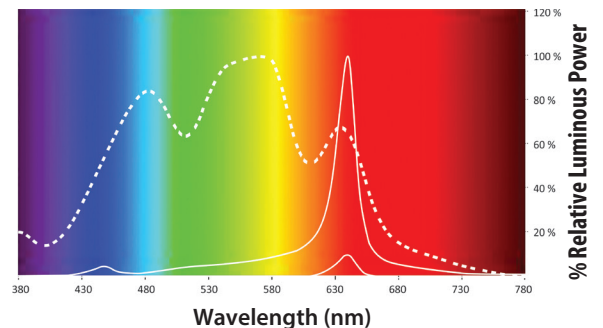
\*Maximum number wired in series: 30 units of 10W (max 2.5A per string)  
\*\*For optimum dimming performance use AgriShift® Controllers  
\*\*\*May not meet electrical codes in all states

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.

