

- Improves animal welfare
- Moves birds horizontally throughout system
- Makes birds noticeably calmer
- Reduces mortality and piling
- More flexible bird management option
- Helps create uniform spacing of birds



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® TL3 in-system tube light provides poultry producers with a lighting solution designed to move birds horizontally throughout the system. Made with Dim-to-Red® technology and a Built For Your Barn® design, the AgriShift® TL3 reduces mortality and piling, increases flock performance and provides a more flexible bird management option to naturally move birds around the system.

The AgriShift® TL3 is a useful tool to assist with creating uniform spacing of birds, meeting the needs of today’s modern poultry houses and making birds noticeably less-stressed and calmer.

The Science Behind the Technology

The AgriShift® TL3 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® TL3 Specifications

Nominal Power	3.5W (at full intensity)
Luminous Flux	168 lm human photopic 331 lm poultry photopic
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***, 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

*Maximum number wired in series: 125 units

**For optimum dimming performance use AgriShift® Controllers

***May not meet electrical codes in all states

Ordering Information

AgriShift® TL3

1-Tube Assembly, Channel A, 48" OAL
Black End Caps, includes mounting clips
1-Tube Assembly, Channel B, 48" OAL
Orange End Caps, includes mounting clips
TL3 Extension Cord, 48" OAL
Male/female connector on either end

SKU
TL3-0215-1-120
TL3-0216-1-120
TL3-0213-004

AgriShift® TL3 Accessories

Starter Cable and end cap, 15ft
Female connector on one end

SKU
TL3-EXT-1-180

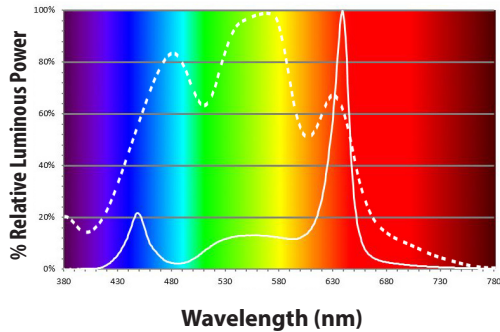
AgriShift® Controllers

AgriShift® Master Controller 120V
AgriShift® Slave Dimmer 120V
AgriShift® Master Controller 240V-50Hz
AgriShift® Master Controller 240V-60Hz

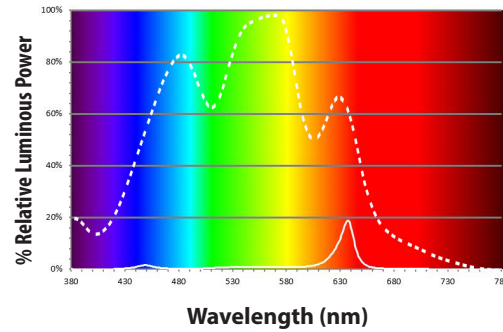
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30-014-00189-L123
30-014-00180-L123
30-014-00180-L123-60Hz

The spectral output charts below show the AgriShift® TL3 at 100% compared to it dimmed at 20%, while demonstrating how a chicken sees the light (dotted line).

TL3 Spectral Output at 100%



TL3 Spectral Output at 20%



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