

- Enhances productivity
- Improves animal welfare
- Natural habitat, jungle green spectrum
- Fully dimmable with sunrise/sunset function
- Advanced LED in-system lighting solution
- Patented spectral output for avian vision
- Provides uniform growth



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



Junglite Green™ technology offers an enhanced jungle green spectrum, replicating a birds’ natural habitat and promoting growth.



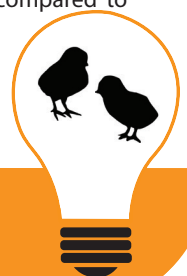
A Built For Your Barn® design uses techniques and materials that withstand harsh barn environments for years to come.

Animal-Centric Lighting Systems

The AgriShift® TLP is an in-system tube lighting option that meets the needs of poultry housed in today’s deeper and more spacious systems. It is designed with Junglite Green™ technology, the most advanced agricultural lighting solution on the market today. There are no other products available designed specifically to replicate a birds’ natural habitat with a jungle green light like this technology does. It provides an optimized color spectrum, with full dimming capability, essential for healthy bird growth and sexual development.

The Science Behind the Technology

The AgriShift® TLP simulates an enhanced green light spectrum with added blue, stimulating a birds’ highest color sensitivity to meet developmental needs. The added red content regulates circadian rhythms, improving animal welfare. Other studies show that pullets raised under monochromatic green light during the early stage experienced greater weight gain in less time when compared to regular LEDs.



AgriShift® TLP Specifications

Nominal Power	2-Tube Assembly: 7W (at full intensity)
Luminous Flux	250 lm human photopic 450 lm poultry photopic
Input Voltage	120 VAC / 50/60 Hz*
Beam Angle	180°
Light Output Equivalence	Up to 25W incandescent
Spectral Output	Species-specific blue/green enhanced white, w/ added red
Operating Temperature	-20°C to 40°C/-4°F to 104°F
Dimmable Range	100% to 5%, dims to jungle green 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

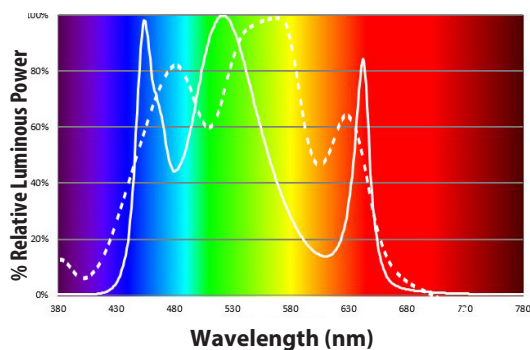
*Maximum number wired in series: 30 units of 10W (max 2.5A per string)

**For optimum dimming performance use AgriShift® Controllers

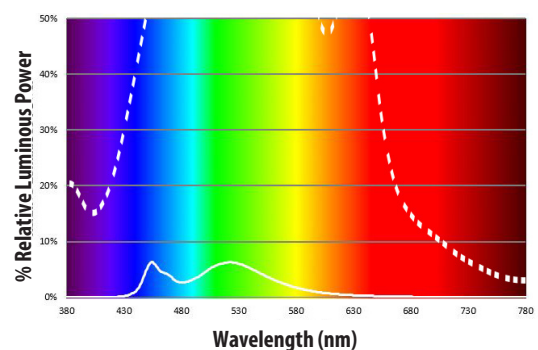
***May not meet electrical codes in all states

The spectral output graphs below show the AgriShift® TLP 120V at 100% (left), compared to it at 5% (right), while demonstrating how a chicken sees the light (dotted line).

AgriShift® TLP Spectral Output at 100%



AgriShift® TLP Spectral Output Dimmed to 5%



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.



Ordering Information

AgriShift® TLP	SKU
TLP 2 Tube Assembly 195", Includes mounting clips	TLP-0111-2-120
TLP 2 Tube Assembly 95", Include mounting clips	TLP-0127-2-120

AgriShift® TLP Accessories	SKU
Extension Cable, 15 ft. Female connector on one end	TL-EXT-1-180
TLP Male End Cap Female connector on one end	TL-CAP-M - TL

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