

## AgriShift<sup>®</sup> TLP, 2 Tubes, OAL 194" In-System Tube Light for Pullets



- *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*

## Introduce your layer to animal-centric lighting

The AgriShift<sup>®</sup> 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<sup>™</sup> 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. It provides an optimized color spectrum, with full dimming capability, essential for healthy bird growth and sexual development.

The AgriShift<sup>®</sup> TLP simulates an enhanced green light spectrum with added blue, stimulating a birds highest color sensitivity to meet developmental needs. The added red spectrum regulates circadian rhythms, improving animal welfare. Previous studies report green/blue light facilitated early muscle growth in poultry and promoted calming behaviors compared to conventional LEDs.

# Specifications and Ordering

## AgriShift® TLP, 2 Tubes, OAL 194"

|                                 |                           |
|---------------------------------|---------------------------|
| Nominal power                   | 7 W                       |
| Luminous flux - human photopic  | 500 lm                    |
| Luminous flux - animal photopic | -                         |
| Luminous Flux melonopic         | -                         |
| Initial LED luminaire efficacy  | 72 lm/W                   |
| Input voltage                   | 120VAC                    |
| Input frequency                 | 60 Hz                     |
| Driver included                 | Yes                       |
| Surge protection                | MOV/FUSE                  |
| Power consumption tolerance     | +/-10%                    |
| Power factor                    | 0.98                      |
| Beam angle                      | Very Wide                 |
| Beam spread                     | -                         |
| Driver failure rate at 50K hrs  | <5%                       |
| Warranty period                 | 5 years                   |
| Recyclable                      | No                        |
| HS code                         | 8539.52.0051              |
| Country of origin               | Peoples Republic of China |

## Spectral Output and Dimming Specifications

|                 |            |
|-----------------|------------|
| Dimmable        | Yes        |
| Dimmable range  | 100% to 1% |
| Spectral output | 8500K      |

## Operating and Mechanical Specifications

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Operating temperature    | -20°C to 40°C / -4°F to 104°F                         |
| Rated life               | >50,000 hours                                         |
| Lens material            | PVC                                                   |
| Housing material         | PVC                                                   |
| Diameter                 | 26.6mm                                                |
| Height                   | -                                                     |
| Length                   | 4937mm (194in)                                        |
| Lens Shape               | Tube                                                  |
| Mount / Adaptor          | Clips                                                 |
| Connection               | Starter/Extension cables<br>Tubes connected in series |
| Control interface        | Phase cut                                             |
| Product weight per piece | 0.75kg / 1.65lbs                                      |

## Safety and Certifications

|                            |         |
|----------------------------|---------|
| CE Mark                    | -       |
| RoHS Compliant             | Yes     |
| ANSI/UL                    | Yes     |
| Can/CSA STD C22.2 NO 250.0 | Yes     |
| CB                         | -       |
| Flammability mark          | -       |
| ECO energy classification  | -       |
| IEC protection class       | Class I |
| IK impact rating           | IK03    |
| IP code                    | IP66    |

## Ordering Information

| Description                 | SKU        |
|-----------------------------|------------|
| TLP 500/WB40 120V 2T/194 WB | 1000000551 |

## Contact us

or learn more at:

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