



Junction Box Format*

- Improves feed conversion
- Promotes early weight gain
- Low-profile, wide beam angle
- Advanced system specialized for poultry
- 12W LED equivalent to 100W incandescent
- Durable, Built For Your Barn® design
- Enhances animal welfare
- Patented spectral output†



Base Unit
Format**

Edison Base
Format

Hard Wire
Format

Jelly Jar
Format

*Product shown with recommended junction box
**Compatible with AgriShift® STC/STA Stringer



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



Dim-to-Blue® technology encourages uniform growth by offering healthy bird development during every growth stage.



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

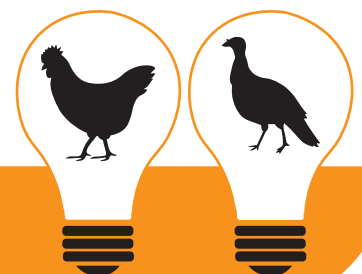
Animal-Centric Lighting Systems

The AgriShift® MLB lighting fixture for broiler and turkey operations is made with species-specific, Dim-to-Blue®, technology and a Built For Your Barn® design. It offers an optimized color spectrum and full dimming capability, allowing producers to enhance production by controlling photoperiod and light intensity throughout the entire life cycle of the bird.

With an AgriShift® Controller and a ONCE® recommended lighting program, producers can improve bird weight, flock uniformity and feed conversion rates, while lowering stress levels.

The Science Behind the Technology

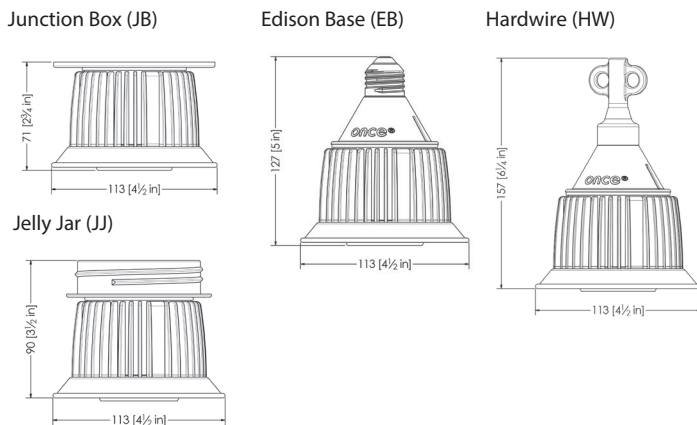
Green light increases growth during the early stages, while blue light has been shown to elevate plasma androgens in poultry at later stages of development. Other studies show that blue light calms birds by reducing both corticosterone levels and heterophil:lymphocyte ratios; blood markers for short- and long-term stress.



AgriShift® MLB Specifications

Nominal Power	12W (at full intensity)
Luminous Flux	985 lm human photopic (120V)
	1075 lm human photopic (230V)
	1710 lm poultry photopic (120V)
	1778 lm poultry photopic (230V)
Input Voltage	120 VAC / 50/60 Hz, 230 VAC / 50/60 Hz
Beam Angle	180°
Light Output Equivalence	Up to 75W 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 blue white moonlight
Dimmer Type	Phase Modulation or Amplitude Control*
Environmental Ratings	Suitable for wet locations (JB, JJ, HW), ROHS Compliant, Suitable for damp locations (EB), Suitable for Indoor Corrosive Environments, Tested to CAN/CSA C22.2 NO. 94.2-07, CLAUSE 8.7
	ETL Listed, Conforms to UL std. 1598 (JB) Certified to CAN/CSA C 22.2 No. 250.-08 (JJ) Conforms to UL Std. 1993 (JJ) Certified to CSA Std. C 22.2 No. 1993 (JJ)
Rated Life	50,000 hours

AgriShift® MLB Mechanical Dimensions



Ordering Information

AgriShift® MLB 120V

Base Unit (BU)	SKU MLB-FSWB-BU-180-012-120
Edison Base (EB)	MLB-FSWB-EB-180-012-120
Jelly Jar (JJ)	MLB-FSWB-JJ-180-012-120
Includes JJ adaptor/connector kit	
Junction Box (JB)	MLB-FSWB-JB-180-012-120
Includes JB adaptor/connector kit	
Hard Wire (HW)	MLB-FSWB-HW-180-012-120

AgriShift® MLB 230V

Base Unit (BU)	SKU MLB-FSWB-BU-180-012-230
Edison Base (EB)	MLB-FSWB-EB-180-012-230
Jelly Jar (JJ)	MLB-FSWB-JJ-180-012-230
Includes JJ adaptor/connector kit	
Junction Box (JB)	MLB-FSWB-JB-180-012-230
Includes JB adaptor/connector kit	
Hard Wire (HW)	MLB-FSWB-HW-180-012-230

AgriShift® MLB Accessories

AgriShift® G Controller	SKU 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
Junction Box	PRB57550GY
Five 3/4" threaded outlets	
Junction Box	PRB5755GYKO
Five total 3/4" KO hubs, four sealed	
AgriShift® STC, Stringer Connector ~24 1/2 m OAL, 2.43 m sections	STC-0183-10-080
AgriShift® STC, Stringer Connector ~30 1/2 m OAL, 3 m sections	STC-0184-10-100
AgriShift® STA, Stringer Adaptor, 30 cm OAL	STA-0197-3-012
AgriShift® STA, Stringer Adaptor, 1 m OAL	STA-0189-3-039
AgriShift® STA, Stringer Adaptor, 2 m OAL	STA-0190-3-079
AgriShift® STA, Stringer Adaptor, 3 m OAL	STA-0191-3-118
Starter Cable, 4 ft OAL	STAR-0198-3-004
Male connector on one end	

*For optimum dimming performance use AgriShift® Controllers

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.



www.once.group

Once Inc. • 15255 23rd Ave N, Plymouth, MN 55447 • info@once.group • T +1 (763) 381-5621 • F +1 (763) 381-5698

once®