ONCE®

Master Controller

Slave Dimmer

- *Improves animal welfare*
- *Advanced technology for LED lighting*
- *Precise, consistent, incremental dimming*
- *Asymmetric sunrise/sunset program capability*
- *Program up to 500 days divided into 20 lighting periods*
- *Programmable, timed or temporary dimming override*
- *Programmable transition time for sunrise/sunset*
- *Optional remote control with standard 0-10V bus*
- *Fully automatic control or manual options*

AgriShift® lighting systems are agriculture specific and developed to meet the individual needs of your animals†. The lights "shift" spectrum and intensity.

BUILT FOR YOUR BARN

ONCE® AgriShift® fixtures have a **Built For Your Barn®** design, using techniques and materials that withstand the harsh barn environment for years to come.

Animal-Centric Lighting Systems

AgriShift® Master Controller

The AgriShift® Master Controller is designed specifically for dimming and controlling lights in poultry, swine and aquaculture operations. This integrated Controller offers several advanced features giving it added flexibility; such as a front panel display, which addresses the needs of today's modern farming techniques.

Slave Dimmer

The AgriShift® Slave Dimmer provides smooth dimming of any AgriShift® light. It is easily controlled either manually with the front panel controls or remotely with a 0-10VDC control signal. The unit is optimized for low light level operation and offers better resolution than other dimmers. Dual output channels allow control of more lights at higher power levels.

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Enhanced Productivity and Animal Welfare

Dimming Enhances Flock Performance

Because animals are sensitive to different intensities and colors of light, performance and health can be improved simply by controlling the lighting. Close attention to lighting schedules and elimination of lighting anomalies have been shown to increase production outputs while reducing stress and negative affects on animals. ONCE® AgriShift® LED dimmers provide smooth, programmable dimming to enable the full potential of any ONCE® light. The expansion bus on all AgriShift® dimmers is a standard 0-10V interface for maximum expansion capability as well as compatibility with a wide range of existing (installed) barn controllers. See operating manual for complete description of features and specifications as well as programming options.

AgriShift® Controller Specifications

Output Current	10 amps (120V)/5 amps (203V) maximum resistive load (each channel)
Output Power	1200 W max per channel
Operating Voltage	120V AC (not universal)* 240V AC (not universal)*
Frequency	50/60 Hz.
Analog Input/Output (Slave Dimmer Specific)	0-10V DC input resistance:13k / 0-10V DC source Maximum load: 10mA
Safety	ETL Listed, Conforms to UL Std. 508A Certified to CAN /CSA C22.2 No. 14

* Based on suggested 90% per channel

AgriShift® Controller Dimensions (Case)

Dimensions	221mm X .269mm X 139mm 8.7" X 10.6"X 5.5"
Temperature	0° to 40° C / 32° to 104°F
Storage	-15° to 50° C / 5° to 122°F
Relative Humidity	5 to 90% without condensation

Recommended Maximum Loads per Channel
(based on suggested 90% per channel)

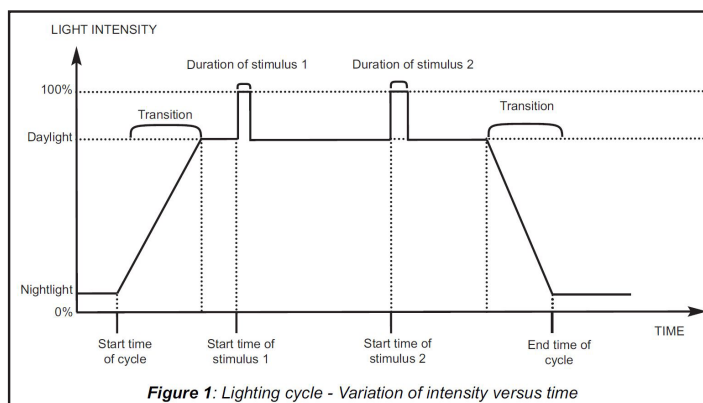| AgriShift® Lamp	120V	230V
AgriShift® EL (3W)	300	300
AgriShift® FL (3W)	300	300
AgriShift® TLL (7W)	300*	300*
AgriShift® MLM-R (8W)	130	130
AgriShift® MLM-B (8W)	130	130
AgriShift® JLL (8W)	130	130
AgriShift® JLP (8W)	130	130
AgriShift® MLM-S (10W)	100	100
AgriShift® MLM-B (10W)	100	100
AgriShift® MLB (12W)	90	90
AgriShift® MLL (12W)	90	90
AgriShift® MLS (14W)	75	75

** Number of tubes; maximum of 82 tubes in a series

Figure 1: Lighting cycle - Variation of intensity versus time

Ordering Information

	SKU
AgriShift® Master Controller 120V	LCL-0.2-120V / 30-014-00134
AgriShift® Slave Dimmer 120V	LCL-0.2-120V / 30-014-00156
AgriShift® Master Controller 240V	LCL-0.2-240V / 30-014-00144

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