

OVERVIEW

The DSS Series photocontrols were designed for the rigors of electronic and solid state lighting equipment, including LED, Electronic HID, and Induction luminaires.

FEATURES

APPLICATIONS

- LED lighting fixtures that require dusk to dawn control
- Also recommended for use with other luminaires that use solid state ballasts/drivers (e.g. CFL, Induction, Electronic HID)
- The DSS is specifically designed to provide long life, enhanced light sensitivity, and superior surge protection when used with LED luminaires.
- Filtered Silicon Photo Sensor
- Specially selected sealed relay
- (2) MOVs rated for 320 Joules/9500 Amp
- Neoprene Base Gasket has a continuous use temperature of 105°C
- Built in 3-6 second turn-off delay
- Green Cover with Blue Base

SPECIFICATIONS

REGULATORY LISTINGS

- ANSI C136.10-1996 Compliant
- ROHS compliant
- Surge Rated to ANSI C136.10 - Cat. C

OPERATING CHARACTERISTICS

- Voltage 105 to 305 VAC, 60Hz
- Load rating: 1662 VA @ 277V, 720 VA @ 120V, 6A MAX
- Average power consumption: 0.7 watts @ 120V; 2.4 watts @ 277V
- -40 to +70°C ambient

ADDITIONAL FEATURES

ENHANCED AMBIENT SETTING

- The photo sensor is designed to sense sunlight, while being "blind" to light emitted from LEDs. This reduced LED sensitivity greatly decreases false turn-off in high ambient light situations

EXTREME INRUSH PROTECTION

- Tested and approved for use with fixtures that use multiple LED drivers, the DSS can withstand the high inrush current that these drivers generate

ON BOARD LED INDICATOR

- Provides a visual signal, without removing the photocontrol, that the fixture is powered and the photocontrol is fully operational

Surge Protection & Inductive Filtering

- Employing two MOV's in conjunction with additional series inductance and high frequency filtering, provides ANSI Category C (20kV, 10kA) surge protection for the control, and also protects the solid state driver from line transients and "noise"

Design Life

- Defined as the period of time that the product is expected to work within its specified parameters, the DSS is rated for 90,000 hours

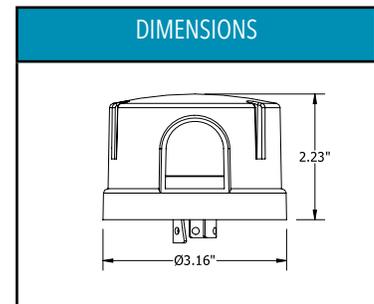


DSS Series

Electronic Locking Type Photocontrol



DIMENSIONS



Warranty

Six-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

ORDERING INFORMATION

DSS PHOTOCONTROL				Example: DSS124F 1.0 TJJE J12		
Series & Voltage	Failure Mode	Turn-On Level (fc) ¹	Time Delay	Surge Protection	Enhanced Ambient Setting	Pkg. Qty.
DSS124 120-277V	F Fail Off [†]	1.0 Energy Saver	TJJE	3 - 6 Sec. Turn-Off Delay, Dual MOVs, LED Tuned Photosensor		J12 12 Units
	N Fail On	1.5 ANSI Standard				J50 50 Units
		2.6 IES Recommended				

NOTES

1. Not acceptable for use with more than three LED drivers with supply voltage 277V.