

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

Warranty

Six-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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 N Fail On	1.0 Energy Saver	TJJE 3 - 6 Sec. Turn-Off Delay, Dual MOVs, LED Tuned Photosensor	J12 12 Units
		1.5 ANSI Standard		J50 50 Units
		2.6 IES Recommended		
		8.0 Metro-High Ambient		

NOTES

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



DTL®

DSS Series

Electronic Locking Type Photocontrol



DIMENSIONS

