

OVERVIEW

Howard Lighting Products photocontrols were designed for the demands of HID and solid-state lighting (SSL), making them an excellent choice for LED, conventional & Electronic HID, and Induction luminaires.

APPLICATIONS

- LED luminaires that require dusk to dawn control.
- Recommended for luminaires that use solid state ballasts/drivers (e.g. CFL, Induction, Electronic HID, LED).

FEATURES

- The HI-LL is specifically designed to provide long-life, enhanced light sensitivity, and superior surge protection when used with LED luminaires.
- Filtered Silicon Light Sensor — sensitive to Sunlight but not LED.
- Sealed relay.
- MOV Surge Suppressor rated for 764 Joules/20,000 Amp I_{max}.
- Base Gasket has a continuous use temperature of 105°C.
- 3–6 second turn-off delay.
- Black cover standard. Other colors optional.



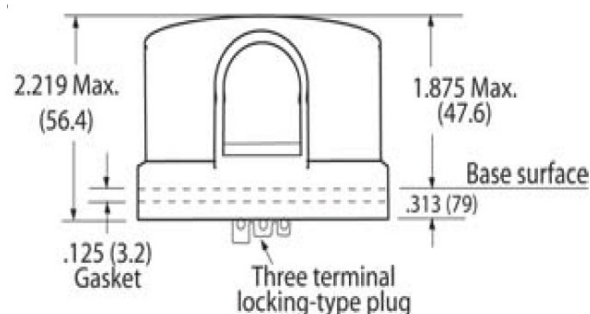
SPECIFICATIONS

REGULATORY LISTINGS

- Meets ANSI C136.10
- ROHS compliant
- Manufactured in a ISO certified facility
- Surge Rated (and exceeds) ANSI C136.10 Extreme surge level

OPERATING CHARACTERISTICS

- Voltage 105 to 305 VAC, 60Hz
- Load rating: 1800 VA driver or ballast load.
- Up to 200 amp inrush
- Temp. -40 to +70°C ambient



ADDITIONAL FEATURES

ENHANCED LIGHT SENSING

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

INRUSH PROTECTION

- Tested and approved for use with fixtures that use multiple LED drivers, the HI-LL can withstand the high inrush current that these drivers demand.

SURGE PROTECTION

- Exceeds ANSI Extreme Category (20kV, 10kA I_n) surge protection for the control, and also protects the driver from differential mode transients.

DESIGN LIFE ENHANCEMENTS

- Design life is period of time that the product is expected to work within its specified parameters; the HI-LL is rated for 90,000 hours.
- Printed circuit board is fiber-glass/epoxy FR4 for superior strength and moisture resistance, and has conformal coating on both sides to reduce water absorption.
- The cover is 0.105 inches thick for better impact resistance, compared to 0.06 inches on standard controls.
- Cover is sealed to the base to provide IP64 ingress protection.

Ordering Information

Series	Voltage	Turn-on Level (1.5 ratio)	Cover Color	Warranty	Failure Mode
HI-LL: Long Life	127: 120—277VAC 480: 347—480VAC	15: 1.5fc (ANSI standard) 10: 1.0fc 26: 2.6fc (IES)	BK: Black BU: Blue GN: Green YL: Yellow(480 only)	12: 12 year	BLANK: Fail ON F: Fail OFF

WARRANTY: All photocontrols are marked with date of manufacture. This product is warranted to operate within its original specifications and shall be free of electrical or mechanical defects. Consult factory for the warranty time period. Manufacturer’s warranty shall be limited to providing a replacement control of same type and shall not cover costs of removal, replacement or loss of service nor any consequential damages. This warranty is in lieu of and excludes all other warranties either expressed or implied. Full warranty statement is available by consulting factory.