

HI-LL

Long-life Series Photocontrol



Project:	
Catalog#:	
Approved by:	

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 longlife, and superior surge protection when used with LED luminaires.
- Silicon Light Sensor
- Sealed relay
- MOV Surge Suppressor rated for 1,492 Joules/40,000 Amp
- 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

INRUSH PROTECTION

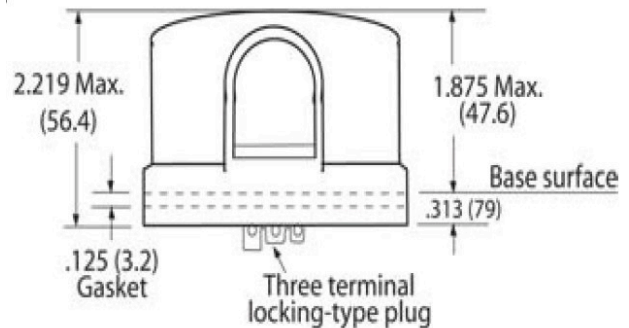
- Tested and approved for use with fixtures that use multiple LED drivers, the HI-LL can withstand the high inrush current that these drivers demand.

SURGE PROTECTION

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

DESIGN LIFE ENHANCEMENTS

- Design life is the 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

Model	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)	A: 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.