

ELC4536

Standard Grade

Electronic Photocontrol

Locking-Type Mounting



Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____

Typical Applications

- Dusk-to-dawn roadway, area and parking lot lighting
- Floodlights and security lighting
- Ideal for LED fixtures totaling 550 W @ 277 VAC
- Non-drifting silicon light sensor IR filtered for human eye response
- Power up ON test delay of 45 – 60 seconds, helps troubleshoot installation
- Exceeds 5000 ON/OFF operations @ full load
- All components meet 10-year life requirements

Regulatory Listings

- ANSI C136.10-2010 Compliant
- UL certified to both U.S. (UL773) & Canadian (TIL A15) safety standards
- RoHS compliant

Operating Specifications

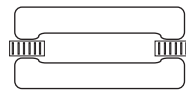
- Voltage: 105-305 VAC, 50/60Hz
- Dielectric strength: 2500 VAC
- Operating ambient temperature range: -40°F to 158°F (-40°C to 70°C)
- Instant turn ON light level: 1.5 fc +/- 0.2 fc
- OFF light level: 2.25
- Turn OFF to ON ratio 1.5:1 with 2-5 second delay
- Fail mode: ON
- Power consumption <.5 W @ 277 VAC
- 510 Joule MOV surge protection component



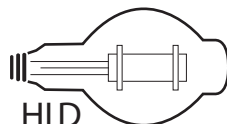
Warranty

- Limited 6-year manufacturer's warranty

Compatible with



Induction



HID



Model Number	Max VAC	Tungsten (Watts)	Ballast (VA)	Electronic Ballast (LED)	Turn ON Foot Candles (fc)	Turn OFF to ON Ratio	Fail Mode
ELC4536	105-305	1000	1800	2 Amps	1.5 +/- 0.2 fc	1.5:1 with 2-5 second delay (2.25 fc OFF)	ON

Specification

The locking-type photocontrol shall be an electronic control based on a solid-state photo sensor and relay switch circuit. Switch operation shall have a rating of 1000 Watts tungsten and 1800 Watts ballast at 105-305 VAC. For high in-rush LED type fixtures, the photocontrol switch operation shall have a 2 Amp Electronic Ballast rating at 105-305 VAC. The photocontrol should fail in ON state. The photocontrol operating voltage shall be clearly identified on the control housing by color code and unit label. The photocontrol shall be equipped with a 2-5 second delay action eliminating activation by light flashes. The photocontrol shall be equipped with standard 3-prong twist and locking-type plug connection. The plug connection terminals shall be solid brass. The photocontrol shall consist of industrial grade electronic components, 510 Joule MOV, solid state light sensor, and silver alloy relay contacts. The photocontrol shall be 100% factory tested and function within specified light levels. The photocontrol shall be agency certified and tested accordingly. The photocontrol shall meet agency standards for locking-type devices and all other requirements of ANSI C136.10-2010. The photocontrol shall operate over a temperature range of -40°F to 158°F (-40°C to 70°C). The photocontrol should have a manufacturer's limited warranty of 6 years minimum. The photocontrol shall be the electronic dusk-to-dawn type, Intermatic model ELC4536.

Diagrams

