



Bat Eye Technology

Extra Long Life Photocontrol

Designed to meet or exceed the life expectancy of LED fixtures. Numerous feature upgrades extend the life expectancy of the already long life twistlock product line. Features exceed those of competitive long life designs. The ELL is an excellent choice when an extended life expectancy is desired.

MOV Surge Suppression

High quality MOV (Metal Oxide Varistors) are used to protect the ELL electronic photocontrol components and the LED light fixture from transients and voltage spikes. The clamping voltage is rated just above the operating line voltage to provide a high level of protection against spikes and surges over a 20 year period.

TRIAC Assisted Relay with Zero Cross Switching

In addition to our long life robust relay, we offer an advanced TRIAC option with additional solid-state switching operating in parallel with the relay contact. This device removes all electrical arcing on both open and closure of the relay. Zero Cross Switching is utilized to trigger the TRIAC, which greatly minimizes the inrush current typically seen in many LED light fixture loads.

Ordering Information



Specifications

Load Rating:	6.5 Amps - LED applications 1,000W/1,800VA 15A - HID applications Relay tested to 15,000 operations
Operating Temperature:	-40°C to +70°C (-40°F to +158°)
Surge Protection:	ELL-124 40K Amps, 1520J MOV ELL-124-CUL 50K Amps, 1600J MOV ELL-347 60K Amps, 265J MOV ELL-480 40K Amps, 1020J MOV
Power Consumption:	<0.5 Watts @ 120 V
Dielectric Strength:	5,000 Volts Between current carrying parts
Photocell:	Proprietary Bat Eye Technology circuit eliminates unintentional operation of LED fixtures, only reacts to sunlight, avoiding fixture cycling, reducing services calls. The sensor has no drift and is consistent over the service life.
Printed Circuit Board:	Plated Thru-hole Glass Epoxy
Cover:	Polypropylene; Long Life Green Cover Formula with UV Inhibitor and Antioxidant Additives
Base & Window:	Polycarbonate; 140°C, UL94HB Flame Class Rating
Gasket:	Neoprene; ASTM D 1056
Operating Light Levels:	Turn-on: 1.5 FC, 1.5:1 Off/On Ratio; +/- .25 FC, 3-5 Sec Turn-off Delay

ELL - 124 - *

Model

ELL - 124 (105-305V)
ELL - 347 (312-382V)
ELL - 480 (250-530V)
ELL - 124 - CUL
(105-305V cUL Version)

* Surge Protection

_ 1520 Joule MOV,
40,000 Amps
(no code) standard
4 1520 Joule MOV,
40,000 Amps

* Relay Option

_ 15 Amp - 15,000
operations
(no code) standard
T Triac Assisted Relay

* Fail Mode

_ Fail ON
(no code) standard
FO Fail OFF

* Color

_ Green
(no code) standard
_ cUL Cover Blue
(no code) standard

Other Colors Available
upon Request

Other configurations available-Please contact Customer Service at 508-821-1597

Note: No substitution for cUL units

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