



**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**

Our standard ELL long life photocontrol comes with (1) large 640 Joule MOV for superior surge protection. If a higher Joule rating is desired, we offer an alternate (4) MOV configuration. In this configuration, each MOV is rated 380 Joules resulting in 1520 Joule surge protection.

**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**

**ELL - 124 - 4 - T - FO**

Extra Long Life Photocontrol      105-305 V      1520 Joule MOV      TRIAC Assisted Relay      Fail Off

<p><b>Model #</b>  <b>ELL-124</b> (105-305V)  <b>ELL-347</b> (347 VAC)  <b>ELL-480</b> (480 VAC)  <b>ELL-124-CUL</b> (105-305V CUL Version)</p>	<p><b>Surge Protection</b>  <small>(no code) standard</small>          _ 640 Joule MOV, 40,000 Amps (standard)  <b>4</b> 1520 Joule, 40,000Amp</p>	<p><b>Relay Option</b>          _ 15 Amp-150,000 operations (Standard)  <b>T</b> Triac Assisted Relay</p>	<p><b>Fail Mode</b>          _ Fail ON (Standard)  <b>FO</b> Fail OFF</p>	<p><b>Color</b>          _ Green (standard)          _ CUL Cover. @ Blue-105-305 VAC   <small>Other Colors Available upon Request</small></p>
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Other configurations available-Please contact Customer Service at 508-821-1597

Note: No substitution for cUL units



**Specifications**

<b>Load Rating:</b>	1,000W/1,800 VA 15 Amp relay tested to 15,000 operations on maximum available LED or Induction load.
<b>Operating Temperature:</b>	-40°C to +70°C (-40°F to +158°)
<b>Surge Protection:</b>	40,000 Amps 640 Joule MOV
<b>Power Consumption:</b>	<0.5 Watts @ 120 V
<b>Dielectric Strength:</b>	5,000 Volts Between current carrying parts
<b>Photocell:</b>	Proprietary <b>Bat Eye Technology</b> 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.
<b>Printed Circuit Board:</b>	Plated Thru-hole Glass Epoxy
<b>Cover:</b>	Polypropylene; Long Life Green Cover Formula with UV Inhibitor and Antioxidant Additives
<b>Base &amp; Window:</b>	Polycarbonate; 140°C, UL94HB Flame Class Rating
<b>Gasket:</b>	Neoprene; ASTM D 1056
<b>Operating Light Levels:</b>	Turn-on: 1.5 FC, 1.5:1 Off/On Ratio; +/- .25 FC, 3-5 Sec Turn-off Delay