

Twist-Lock Electronic Photocontrol Decorative LED Luminaire

Exclusive Features

ZCS TECHNOLOGY

Zero Cross Switching

Zero Cross Switching Technology:

protects the device from inrush currents, commonly found in LED Luminaires.



Microprocessor Control

Intelligent Microprocessor: assures advanced Performance & Reliability

Self-Healing Relay

SELF-Healing Relay: allows unattended field restoration. Stuck relay contacts are a common failure point. Our Patent Pending technology actually works to un-stick the contacts, thus preventing wasted energy (day burners) and service calls. Tested at more than **325 years with a 1000 Watt Tungsten Lamp**



3 Tier Power Supply Circuitry:

640 Joule MOV rated @ 20,000 Amps for primary protection Dual Zener Diode for secondary protection. 3rd Layer of protection using a precision voltage regulator.

TRU|Filter

Tru-Filter®: spectral sensitivity matches that of the Human Eye; while competitor's Silicon Photodetector comes nowhere close.



Ripley's Exclusive Decorative LED Photocontrol

"NEW Generation of Technologies that change the Game"

Ripley Lighting Controls is pioneering new technologies raising the bar in the Street and Area Lighting Industry.

	RD8645
Nominal Voltage 60 Hz	120/208/240/277
Voltage Range	105-305
Fail Mode	On
Load Rating	1000 Watt Tungsten / 1800 VA Ballast
Operating Temperature	-40C to +70C (-40F to +158F)
Photocell	Encapsulated Silicon Phototransistor
Dielectric Strength	5000 Volts between current carrying parts and metal surfaces
Surge Protection	640 Joule MOV / 20,000 surge current
Power Consumption	0.5 watts @ 120 V
Time Delay Off (Instant On)	3 to 5 seconds
Operating Light Levels (Standard Settings)	Turn On 1.5 FC ± .25 / Turn Off by 2.25 FC (Off:On Ratio = 1.5:1) Any Ratio Optional
Options	Fail Off available (FO - Green)
Applicable with	

Other Exclusive Features:

- A single Tru-Filter® infrared-filtering phototransistor, filters out all sources of infrared to mirror the spectral sensitivity of the human eye, and provide highly accurate control across the entire visual light spectrum. Thus, Turn-ON / Turn-OFF events occur with much greater precision than that of competitor models utilizing silicon photodetectors and plastic infrared filters. Plastic filters used by competitors eventually cause a shift of Turn-ON / Turn-OFF light levels: They only filter infrared that passes through the sensor window; not ALL sources, and they fade over time due to UV
- DSPT (Double Sided-Plated Through) Glass Epoxy FR4 control circuit board, engineered for durability and LongLife reliability.
- High Temperature Base material with minimum rating of 125 Degrees Celsius, and LongLife Blended Gasket to assure stability and 0% shrinkage
- Solid Brass Contact Blades



Meets or exceeds rigid quality requirements of applicable ANSI C136.10, and C136.24 and C136.41

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