

# Twist-Lock Electronic Photocontrol Inverse Ratio

## Exclusive Features



### Zero Cross Switching

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



**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:** 320 Joule MOV rated @ 10,000 Amps for primary protection Dual Zener Diode for secondary protection. 3<sup>rd</sup> Layer of protection using a precision voltage regulator.





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



### True Inverse Ratio Reduces Burn-Time - Saves Energy

Ripley's microcontroller technology presents a True Inverse Ratio Photocontrol that provides a precise Turn-OFF light level lower than the Turn-ON level

### "NEW Generation of Technologies that change the Game "

	<b>RI8545</b>
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	Infrared Filtering Silicon Phototransistor
Dielectric Strength	5000 Volts between current carrying parts and metal surfaces
Surge Protection	320 Joule MOV / 10,000 amp 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 0.9 FC (Off:On Ratio = 0.6:1) Any Ratio Optional
ANSI Color Coded Cover	Blue (Standard)
Applicable with	 

Ripley's Inverse Ratio photocontrol uses microcontroller technology to achieve true and accurate Inverse Ratio Control to reduce burn-time and energy consumption by allowing lights to be turned off at a lower level setting than the light level setting utilized to turn them on.

### LED Luminaire Applicable - Inverse Ratio Photocontrol

Ratio Option	Foot Candle Option	Base PN add cap Color	Cap Colors
0.6:1	Turn on 1.5/ Turn off by 0.9	RI8545-1509-	(Blue - BL) (Black - BK) (Green - GN)
	Turn on 2.0 / Turn off by 1.2	RI8545-2012-	
	Turn on 3.0/ Turn off by 1.8	RI8545-3018-	
0.3:1	Turn on 1.5/ Turn off by 0.5	RI8545-1505-	
	Turn on 2.0/ Turn off by 0.6	RI8545-2006-	
	Turn on 3.0/ Turn off by 0.9	RI8545-3009-	
1:1	Turn on 1.5/ Turn off by 1.5	RI8545-1515-	
	Turn on 2.0/ Turn off by 2.0	RI8545-2020-	
	Turn on 3.0/ Turn off by 3.0	RI8545-3030-	

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

© 2021 by Ripley Lighting Controls, a Unit of Electros witch. All rights reserved. The information in this document is provided for informational use only and is subject to change without notice.



Phone: (803) 939-4700  
Fax: (803) 939-4777  
Email: info@RipleyLightingControls.com

[www.RipleyLightingControls.com](http://www.RipleyLightingControls.com)