

Today's Lighting Installations Require Tomorrow's Lighting Controls

Intermatic Photo Controls
Photo Controls with
Extended Life Expectancy



 **INTERMATIC®**

Are you installing light fixtures
with extended life expectations?
Expect no less from your photo controls!

Introducing Electronic Photo Controls from Intermatic. The long life solution.

For LED and new induction fixtures

Designed for Long Life

- Improved ON/OFF switching with high quality relays
- Zero-crossing electronic circuitry for extended life (Select and Specifier Grade models)
- Employs electronic components exclusively selected to meet extended life targets
- Conformal coated PCB assemblies for long term (Select and Specifier Grade models)

Tested for Long Life

- Products tested to full ON/OFF lifecycles under tungsten, magnetic and electronic ballast loads
- Electronic ballast testing per NEMA 410 to ensure compatibility with today's array of electronic ballasts and drivers

Warrantied for Long Life

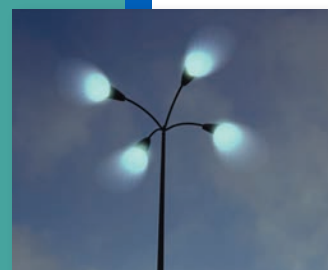
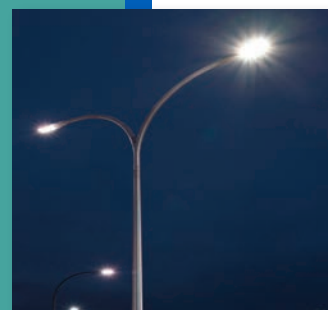
- 6, 8 and 12-year warranties
- Intermatic brand assurance for peace of mind and trouble-free implementation

More Features

- High load ratings for multi-fixture installations for each photo control
- Enhanced surge protection with 510 J MOV
- Meets or exceeds ANSI C136.10 and UL/CSA requirements

*Intermatic –
You expect more,
we deliver!*

intermatic.com



LED4536SC

Specifier Grade Electronic Photo Control



With a 20-year service life expectancy, the LED4536SC is designed to meet the extended life expectations of today's LED lighting fixtures. An advanced zero-crossing electronic circuit prolongs DC relay life, and high quality electronic components are mounted on a conformal coated PCB board for added stability. Ideal for single or multi-fixture HID and LED lighting installations, this photo control handles LED fixtures up to 2,220 W @ 277 VAC combined load. In addition, it diverts line surges through a 510 J MOV surge protection element.

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- All components meet 20-year life expectancy
- Conformal coated PCB
- Exceeds 15,000 ON/OFF switching cycles
- Ideal for single or multi-fixture HID and LED installations (up to 2,220 W @ 277 VAC)



COMPATIBLE WITH



Voltage	Tungsten Rating	Magnetic Ballast	Electronic Ballast	Turn ON Level	OFF/ON Ratio	Fail Mode
105-305 VAC	1000 W	1800 VA	8 Amps	1.5 fc	1.5:1	ON



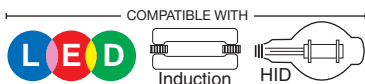
EK4536

Select Grade Electronic Photo Control

An electronic photo control with a silicon light sensor and zero-crossing circuit that extends the life of the DC relay, the EK4536 is designed to meet a 15-year life expectancy. Ideal for single or multi-fixture HID and LED lighting installations, it incorporates a 510 J MOV surge protection element to give an enhanced level of protection against line surges.

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- 15 year design life
- Conformal coated PCB
- Exceeds 10,000 ON/OFF switching cycles
- Ideal for single or multi-fixture HID and LED installations (up to 1,650 W @ 277 VAC)
- 510 J MOV surge protection element

Voltage	Tungsten Rating	Magnetic Ballast	Electronic Ballast	Turn ON Level	OFF/ON Ratio	Fail Mode
105-305 VAC	1000 W	1800 VA	6 Amps	1.5 fc	1.5:1	ON



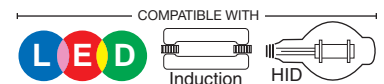
ELC4536

Standard Electronic Photo Control

The ELC4536 features a 10 year life expectancy with a 6-year warranty. It utilizes a solid-state silicon light sensor and a high quality DC relay for precise load switching, providing a cost effective solution for HID lights or LED fixtures up to 550 W @ 277 VAC.

- Non-drift silicon light sensor with IR filter
- All components meet 10+ year life expectancy
- Exceeds +3,650 ON/OFF switching cycles
- Ideal for single HID and LED fixtures (up to 550 W @ 277 VAC)
- Power up ON delay (45-60 sec) for easy installation verification and troubleshooting
- 510 J MOV surge protection element

Voltage	Tungsten Rating	Magnetic Ballast	Electronic Ballast	Turn ON Level	OFF/ON Ratio	Fail Mode
105-305 VAC	1000 W	1800 VA	2 Amps	1.5 fc	1.5:1	ON



Twist Lock Photo Controls

Specifications	Intermatic's Electronic Photo Controls		
	ELC4536	EK4536	LED4536SC
Nominal Voltage 50/60 Hz	120/208/240/277		
Voltage Range	105-305 VAC		
Photo Sensor	Non-drift silicon sensor with IR filter for human eye response		
Turn ON Level (Foot Candle)	1.5 +/-0.5 Instant ON		
Turn OFF Level (Foot Candle)	2.25		
OFF to ON Ratio	1.5:1		
Time Delay OFF	2 to 5 seconds		
Fail Mode	ON		
Surge Protection	510 J MOV / 10,000 amp surge current		
Power Consumption	0.1 watts @ 120 VAC, 0.4 watts @ 277 VAC		
Dielectric Withstanding Voltage	2500 V		
Operating Temperature	-40°C to +70°C		
Standards	Meets or exceeds ANSI C136.10-2010, UL773, CSA requirements		
	ELC4536	EK4536	LED4536SC
Load Rating - Tungsten	1000 W	1000 W	1000 W
Load Rating - Ballast	1800 VA	1800 VA	1800 VA
Load Rating - Electronic Ballast	2A	6A	8A
Power Up ON Test Delay	45-60 seconds	No	No
Zero-Cross Technology	No	Yes	Yes
Circuit Board Conformal Coated	No	Yes	Yes
FR4 Circuit Board	Yes	Yes	Yes
ON/OFF Operation Cycles	3,650	10,000	15,000
Design Life Expectancy	10-year	15-year	20-year
Manufacturer's Warranty	Limited 6-year	Limited 8-year	Limited 12-year
Agency Approvals	