

## Photocontrol - NIGHTFOX EK Series Premium Metal Stem Mount Electronic Photocontrol, 120-277 V

Item EK4436SM



### PRODUCT DESCRIPTION

NIGHTFOX EK Series Electronic Photocontrols are designed for permanent installation within outdoor-rated electrical enclosures, in-wall junction boxes, or lighting fixtures. This premium solution is suitable for use with high-efficiency, long-life LED luminaires. The unit mounts externally and requires a minimum enclosure aperture of 7/8" in diameter. Each control is equipped with 6" color-coded wire leads to ensure reliable and efficient installation.

### FEATURES

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- Conformal coated PCB
- 15-year design life
- Exceeds 10,000 ON/OFF switching cycles
- Fail ON mode
- Ideal for single or multifixture HID and LED installations (up to 1,650 W @ 277 VAC)
- 255 J MOV surge protection element
- 1/2"-14 NPSM threaded stem fits standard outlet boxes and wall packs for a minimum installation hole size of 7/8 inch diameter
- #18 AWG wire leads

### APPLICATIONS

- Outdoor Lighting Control

### TECHNICAL DATA

#### General

Model Number	EK4436SM
Description	NIGHTFOX EK Series Premium Metal Stem Mount Electronic Photocontrol, 120-277 V
UPC Code	078275148406
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	8-Year limited

#### Control Specifications

Sensor Time Delay	Instant ON; 2 sec to 5 sec OFF
Photocell Type	Silicon Diode
Photo Control Switch Type	Relay
Fail Mode	ON
Activation On	1.5 fc
Activation Off	4.5 fc
Photocontrol Type	Electronic
Application Compatibilities	LED; Incandescent; HID
Photocontrol Style	Stem Mount
Photocontrol Sensor Location	Side

#### Dimensions

Product Height (in)	2.688
---------------------	-------

Product Height (mm)	68.3
Product Width (in)	1.75
Product Width (mm)	44.5
Product Depth (in)	2.188
Product Depth (mm)	55.6
Wire Lead Length (in)	6
Wire Lead Length (mm)	152.4
Wire Size Max	#18 AWG

#### Material Specifications

Color	Gray
Housing Material	Die-Cast Zinc

#### Load Ratings

Tungsten Range(s)	1000 W
Ballast Fluorescent Ranges	1800 VA
Electronic Ballast Load Ratings Ranges	6 A, 120-277 VAC, 50/60 Hz

#### Electrical Specifications

Wiring Option	Wire leads
Input Voltage Range(s)	120-277 VAC, 50/60 Hz (Nominal Voltage)
Operating Voltage Range(s)	102-305 VAC
Surge Protection Technology	255 J MOV, 5,000 A Surge
Hz	50/60

#### Packaging

Shipping Weight (lbs)	0.6
Unit Carton Dimensions (H x W x D) in	4.88 x 1.81 x 3.063 in

#### Operating Specifications

Expected Lifetime (Years)	15
Expected Lifetime (Operations)	10000

#### Environmental Specifications

Temperature (operation)	-40 °F to 158 °F / (-40 °C to 70 °C)
Usage Environments	Outdoor

#### Standards and Certifications

UL Certification	cULus
Other Certifications and Compatibilities	Title 20; ANSI C136.24; Green Energy +
California Proposition 65	DEHP
RoHS Certification	Y

---

## ACCESSORIES



6LV1352

Light Shield Accessory for EK4036S,  
EK4436SM, K4000 Series Button Photocontrols



K43-WP-KIT

Wall Plate Kit for EK4036S, K4000 Series Button Photocontrols



LGLBL

Button Lens Sticker Accessory for EK4000 & K4000 Series Photocontrols