



## Designed for Performance, Built to Last

The **NF10KL NightFox™ Electronic Photocontrol** delivers a technically advanced solution that's designed, tested and manufactured to match the service life of LED fixtures. The locking-type photocontrol is perfect for outdoor LED lighting applications and is backed by a 10-year limited warranty.

NF10KL Photocontrol is an excellent choice for LED conversion projects where a reliable, long-life photocontrol is required. It is rated to meet the most stringent project specifications and is available in 24-unit bulk quantities to help save time on the job site.

Built-in zero-crossing technology protects each NF10KL Photocontrol from damaging high in-rush currents at startup and provides the flexibility to control a wide range of loads and relays. In addition to LED installations, the NF10KL is compatible with all traditional light sources (e.g., HID, Incandescent) and service voltages (105-305 VAC).

### Features

- Non-drifting silicon light sensor, IR filtered for human eye response
- Zero-cross technology helps the device withstand severe in-rush current and extend the 20 A relay life
- Exceeds 10,000 ON/OFF operations at full load to meet life expectancy of LED fixtures
- Conformal coated PCB assembly
- All components meet 15-year life requirements
- For high-performance LED fixtures, totaling 1650 W @ 277 VAC



**NF10K**  
Select Grade Locking-Type  
Electronic Photocontrol

# NightFox® NF10KL Overview

## NF10KL Select Grade Locking-Type Electronic Photocontrol

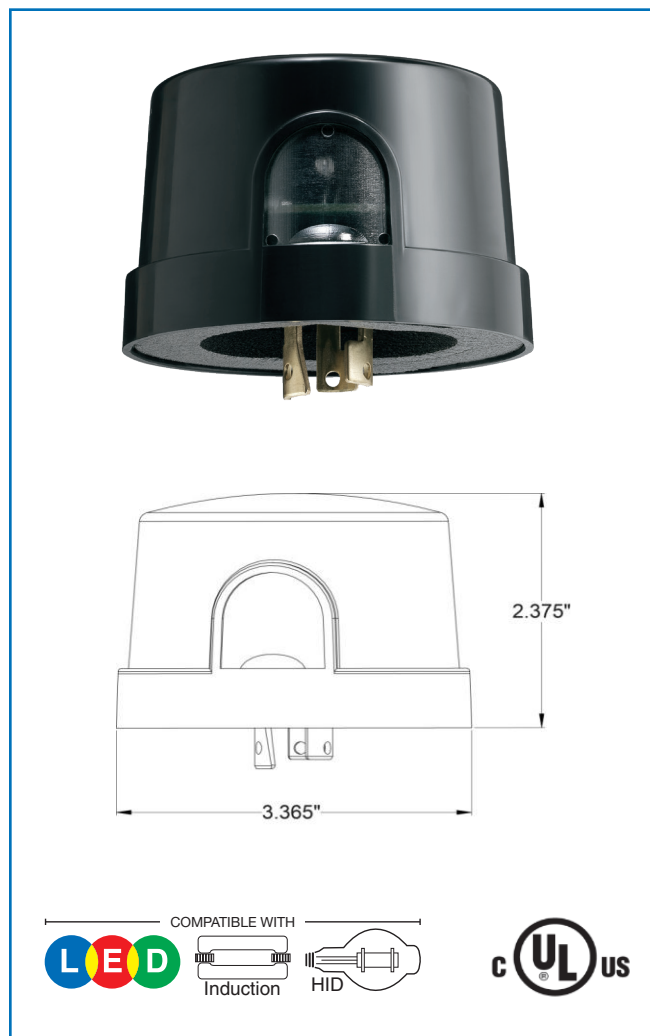
The NightFox NF10KL Photocontrol offers a dependable, long-lasting solution to outdoor lighting control needs. It is specifically designed to match the long life of LED lighting fixtures and provide dusk-to-dawn control of roadway luminaires. This locking-type photocontrol includes built-in zero-crossing technology, which helps avoid the damaging effects of high in-rush currents at startup and supports extended service life.

## Typical Applications

Dusk-to-dawn control of multi-fixture roadway, area and parking lot lighting

## Specifications

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Input Voltage:               | 105-305 VAC, 50/60 Hz                                                   |
| Dielectric Strength:         | 5000 V                                                                  |
| Load Ratings:                | 1000 W Tungsten<br>1800 VA Ballast<br>6 A Electronic Ballast/LED Driver |
| Operating Temperature Range: | -40° F to 158° F (-40° C to 70° C)                                      |
| Turn ON Light Level:         | 1.5 fc +/- 0.5 fc                                                       |
| Turn OFF Light Level:        | 2.25 fc                                                                 |
| Turn OFF to ON Ratio:        | 1.5:1                                                                   |
| Time Delay:                  | 2-5 seconds                                                             |
| Fail Mode:                   | ON                                                                      |
| Power Consumption:           | < 0.5 W @ 277 VAC                                                       |
| Surge Protection Level:      | 10 kV / 5 kA per ANSI C136.2                                            |
| Surge Protection Component:  | 510 Joule MOV                                                           |
| Cover:                       | Impact/UV Resistant Black Polycarbonate with Acrylic Window             |
| Water Ingress Protection:    | NEMA 3 ('Raintight')                                                    |
| Sensor Orientation:          | Side Mount Sensor                                                       |
| Packaging:                   | Bulk Pack, 24 pieces per Master Pack, in poly bag                       |



## Regulatory Listings

- ANSI C136.10 and RoHS compliant
- UL certified to both U.S. (UL773) & Canadian CSA C22.2 182.2-M1974 standards
- Tested to NEMA 410 LED load standards
- Complies with UL773 Endurance requirements

## Warranty

Limited 10-year manufacturer's warranty