

## DESCRIPTION

Combining value and performance in a compact, robust design, the Night Falcon low wattage LED floodlight luminaire delivers superior uniformity and excellent illumination to the targeted application. The rugged, die-cast housing is IP66 rated for exceptional durability and long term reliability. Available in several mounting configurations and weighing less than 14 pounds, this fixture provides you with design flexibility while simplifying installation. The low wattage LED floodlight can be wall, ground, or pole mounted, making it ideal for all commercial, industrial, and residential low wattage floodlighting applications.

## SPECIFICATION FEATURES

### Construction

Heavy-duty, die-cast aluminum housing, driver compartment and driver housing door. The housing, driver compartment and optical chamber are IP66 rated. Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing. Suitable for mounting within 4' (1.2m) of the ground.

### Optics

The LED chamber incorporates a vacuum metallized reflector that provides high-efficiency illumination. Optics are precisely designed to shape the beam. NEMA type 6H x 6V distribution, maximizing efficiency and application spacing. A 3H x 3V distribution is available for lighting tall, narrow surfaces. Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI optional. Optional 5700K CCT, 3000K CCT, 5000K CCT minimum 70 CRI are available.

### Electrical

LED driver is mounted to the removable die-cast aluminum door

for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Integral 3kV surge is standard. 10kV MOV surge protection is available. 0-10V dimming driver is available. Button photocontrols are available in 120V and 208-277V. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. 3% lumen maintenance greater than 50,000 hours per IESNA TM-21.

### Accessories

Heavy-duty steel top and side visors control glare and spill light. 1/8" thick UV stabilized vandal guard shields glass lens from impact when mounted at low levels. Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

### Mounting

Heavy-gauge steel trunnion-mount utilizes interlocking slide adjustment and is supplied with 3 feet of pre-wired SOW, wet location rated cord. Trunnion base can be lag bolted to any surface and is 3G vibration rated (ANSI C136.31). Heavy-duty, die-cast aluminum knuckle base utilizes

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Project	
Comments	Date
Prepared by	

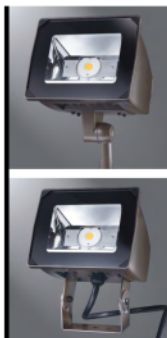
tooth-lock adjustment with visual 5° adjustment indicators that allow for 180° rotation of the luminaire. Knuckle fits 1/2" NPT available mounting junction box cover (supplied by others) and is secured with supplied locking nut and is 1.5G vibration rated. A die-cast aluminum slipfilter with a tooth lock adjustment that can be adjusted in 1/2" increments is available and is 1.5G vibration rated.

### Finish

Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in summit white, white, grey, bronze, black, dark platinum and graphite metallic. Consult your lighting representative at Cooper Lighting Solutions for a complete selection of standard colors. Options to meet Bay American and other domestic preference requirements.

### Warranty

Five-year warranty.



## NFFLD-S NIGHT FALCON SMALL

Self State LED

FLOODLIGHT



### CERTIFICATION DATA

UL/cUL Wet Location Listed  
IP66 Fixture and Optical Chamber  
LMF/LMBM Compliant  
1.5G Vibration Rated - Knuckle Mount  
3.0G Vibration Rated - Slipfilter Mount  
3.0G Vibration Rated - Trunnion Mount  
RoHS Compliant  
DesignLights Consortium® Qualified\*

### ENERGY DATA

Electronic LED Driver  
= 0.9 Power Factor  
< 20% Total Harmonic Distortion  
120V 50/60Hz, 347V/60Hz and 480V/60Hz  
-40°C Max. Ambient Temperature Rating  
+40°C Max. Ambient Temperature Rating

### EPA

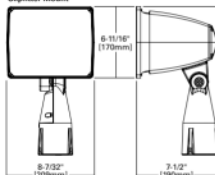
Effective Projected Area (Sq. Ft.): 0.55

### SHIPPING DATA

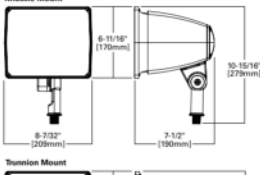
Approximate Net Weight:  
13 lbs. (6 kgs.)

## DIMENSIONS

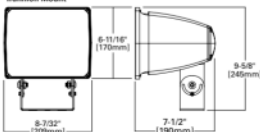
### Slipfilter Mount



### Knuckle Mount



### Trunnion Mount



### TRUNNION DRILLING PATTERN

