

DESCRIPTION

The Night Falcon™ LED floodlight luminaire combines high efficiency optics, superior thermal management and energy efficiency in a cost-effective solution. The compact, robust design incorporates a separate driver compartment for maximum heat dissipation to insure longevity of both the fixture and the LEDs. The Night Falcon luminaire uses precision engineered optics delivering superior uniformity and excellent illumination in the targeted application. Typical applications include area lighting for security, building facade lighting, accent and signage lighting in both commercial and industrial applications. The Night Falcon luminaire is UL/cUL listed for wet locations and is IP66-rated.

APPLICATION FEATURES

Construction

Heavy-duty, die cast aluminum housing, driver compartment and driver housing door. A separate driver compartment and external bus provide optimal thermal management that result in longer LED and driver life. The housing, driver compartment and optical chamber are IP66-rated. Access to the driver for maintenance is achieved with a removable driver door using pin head screws. A one-piece silicone gasket seals the door to the fixture housing. The fixture is 35 vibration-rated (MIL-STD-883C) to ensure durability in area and site lighting applications. Suitable for mounting within 2' (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 (8° to 60° wide distribution) and the 24 x 28 spot distribution, maximizing efficiency and optimizing spacing. Coated optics (tempered) lens with full circumference far-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (40° CCT) and minimum 20,000 to 60,000 (50,000 CCT) and 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. 120-277VAC, 50/60 Hz or 480V AC operation. Integral 800 surge is standard (800A/1000A surges and differential mode surge protection available as an option). 9-12V dimming driver is available to accommodate control capability such as dimming and occupancy. Standard NEMA 3-PIN lockout photocontrol receptacle and NEMA 1-PIN lockout photocontrol receptacles are available as options. Suitable for ambient temperatures from -40°C to 40°C. Optional 100°C (400° F) high ambient available. 52% lumen maintenance greater than 60,000 hours per IESNA TM-21 at 25°C.

Accessories

Heavy-duty steel top and side vision control glass and split light. 1/8" thick UV resistant standard guard shields glass lens from impact when mounted at low heights. Easy to install wire guard (glass) with a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

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Comments	Date
Frequency	

Mounting

Mounting options include an integral die-cast aluminum dollybar that is preset to a tilt of 40°. The bracket base is supplied with a knock-out adjusting that can be adjusted in 5° increments to provide flexibility in aiming the fixture from a variety of soffits. Visual 18" adjustment indicators on the bracket allow for 18" field rotation of the floodlight assembly. The dollybar is standard 3/8" x 3" (3.2 ton). The rotation mounting includes a 3/4" polycarbonate coated galvanized steel bracket with a 1/8" 5000 count. The rotation mount uses an interlocking slide adjustment that is locked into place with a set screw.

Finish

Housing and cast parts finished in five-stage super-TiCk polyester powder coat paint, 2.0 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in several white, white, gray, bronze, black, dark platinum and graphite finishes. Corrosion resistant representative at Eaton for a complete selection of standard colors.

Warranty

Five-year warranty.



NFFLD NIGHT FALCON

Solid State LED

FLOODLIGHT

OPTIONAL ACCESSORIES

Splitter Mount



Transition Mount



Star Mount



CERTIFICATION DATA
 UL Listed Luminaire Listed
 IP66 Fixture and Optical Chamber
 cUL/cUL ENEC Compliant
 70 Minimum Ambient
 NEMA Compliance
 Design Light Certification¹ Certified²

ENERGY DATA

Electronic (LED) Driver
 <0.5 Power Factor
 <30% Total Harmonic Distortion
 1000 Watts, 40/50/60 Hz and 480V/50/60 Hz
 40°C Minimum Ambient Temperature
 Rating
 <40°C Maximum Ambient Temperature
 Rating

EPA

Efficient Project Area (EPA, F1) 1-1/2'

SHIPPING DATA

Approximate Net Weight
 20 lbs. (9.07 kg)