Designed for superior performance, versatility and value.

Whether the project is lighting a sign, building facade or parking lot, the Night Falcon™ LED floodlight series makes the choice easy. Combining value and performance in a robust design, the Night Falcon LED floodlight series offers two distributions that deliver superior uniformity and excellent illumination to the targeted application. With lumen packages ranging from 2,700 to 39,000 lumens, the Night Falcon LED floodlights are the ideal solution for replacing legacy metal halide solutions ranging from 70 to 1000 watts.

An innovative, thermal design extends the life of the LEDs and fixture resulting in 15 years of maintenance-free savings. Available in versatile mounting configurations, these fixtures are built with the installer in mind, providing design flexibility while simplifying installation.

Select stocked configurations are readily available to provide rapid response to LED Floodlighting project requests.

The Night Falcon LED floodlight series delivers superior performance, long term reliability and significant energy savings, making the choice simple.
Design matters.
Where innovation meets sustainability.

Combining the latest LED technology with forward thinking sustainability, the Night Falcon LED floodlight series is lighting the way with a spotlight on superior performance.

Superior, affordable performance
The Night Falcon LED floodlights combine high-efficiency, precision engineered optics and energy efficiency in a cost-effective solution. Available in three housing sizes, the Night Falcon LED floodlights were designed to provide greater than 75 percent in energy and maintenance savings over traditional HID systems. Optimal fixture spacing and setback is achieved utilizing a NEMA 3H x 3V spot or 6H x 6V wide flood distribution. Whether the project is lighting a large site or building facade for a low initial investment, the Night Falcon LED floodlight series is the solution.

Long term reliability
Innovative thermal management design maximizes heat dissipation resulting in longer fixture and LED life. The rugged, die-cast housings are IP66 and 3G vibration rated for exceptional durability and long term reliability. With lumen maintenance greater than 92 percent at 60,000 hours, the Night Falcon LED floodlights are built for years of maintenance-free service.

Mount. Aim. Done.
Eaton’s Night Falcon LED floodlights are designed to meet the most challenging installations. Available in trunnion, knuckle, slipfitter and yoke mounting configurations, these fixtures were designed to be installed by a single person and to provide design flexibility while simplifying installation. Adjustable mounting options include cast-in angle measurements to facilitate aiming accuracy.
Night Falcon Small
Building facade, landscape and site signage
Night Falcon Small

Performance summary:
- Distributions: 3H x 3V Spot / 6H x 6V Wide
- Lumen: 2,799 - 2,935 / 2,632 - 2,760
- Wattage: 26W / 20W (70-150W equivalent)
- Efficacy: Up to 138 lm/W
- CRI/CCT: 70/4000K (Standard), 70/3000K, 70/5000K (Optional)

Electrical data (Electronic LED driver):
- Power Factor: >0.9
- Total Harmonic Distortion: <20%
- Ambient Temperature Rating: 40°C
- Operation: 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz

Options and accessories:
- Button photocontrol
- NEMA photocontrol receptacle
- Top and side visor
- Wire guard
- Vandal shield
- Spotlights

Electrical data (Electronic LED driver):
- Power Factor: >0.9
- Total Harmonic Distortion: <20%
- Ambient Temperature Rating: 40°C
- Operation: 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz

Surge Protection:
- 3 kV surge protection inherent in driver, 10kV MOV surge protection optional

Additional information:
- Warranty: 5 years
- Vibration Tested: 1.5G (Knuckle / Slipfitter), 3G (Trunnion)
- UL/cUL Listed: Wet Location
- LM79/LM80: Compliant
- RoHS: Compliant
- EPA: 0.55
- Approximate Net Weight: 13 lbs. (6 kgs.)

Energy and maintenance savings:
- Annual savings: 83% (Compared to 150W metal halide)

NOTE: Product specifications subject to change without notice. Visit www.eaton.com/lighting to find the most up to date information.
Night Falcon
Facade, flagpoles, monuments and large signage
Night Falcon
Performance summary
Distributions: 3H x 3V Spot / 6H x 6V Wide
Lumens: 10,122 - 10,530 / 9,874 - 10,272
Wattage: 85W / 128W (250-400W equivalent)
Efficacy: Up to 119 lm/W
CRI/CCT: 70/4000K (Standard), 70/3000K, 70/5000K (Optional)

Electrical data (Electronics LED-Driver)
Power Factor: >0.9
Total Harmonic Distortion: <0.5%
Minimum Temperature: -40°C
Ambient Temperature Rating: 40°C
Operation: 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz
Compliance: 0-10V, NEMA 3-PIN / 7-PIN photocontrol receptacle, integrated sensor (Dimming and occupancy)
Surge Protection: 6kV inherent in driver, 10kV/10kA UL 1449 protection optional

Additional information
Warranty: 5 years
Vibration Tested: 3G
UL/cUL Listed: Wet Location
LM79/LM80: Compliant
EPA: 1.25
Approximate Net Weight: 20 lbs. (9.09 kgs.)

Energy and maintenance savings
Annual savings: 75% (Compared to 400W metal halide)

Options and accessories
- NEMA 3-PIN photocontrol receptacle
- NEMA 7-PIN photocontrol receptacle
- Integrated sensor
- Top and side visor
- Wire guard
- Vandal shield

Slipfitter mount (2” pipe or 2-3/8” O.D. tenon)
Trunnion mount

NOTE: Product specifications subject to change without notice. Visit www.eaton.com/lighting to find the most up to date information.
Night Falcon Large
Parking lots, rail yards and storage sites
Night Falcon Large

Performance summary
Distributions: 3H x 3V Spot / 6H x 6V Wide
Coulmns: 24°90° - 33°112° - 28°122°
Wattage: 179W / 256W (750-1000W equivalent)
Efficiency: Up to 139 lm/W
DR/DEL: 70/6000K (Standard), 70/6000K, 70/5600K (Optional)

Electrical data (Electronics LED Driver)
Power Factor: >0.9
Total Harmonic Distortion: <10%
Minimum Temperature: -40°C
Ambient Temperature Rating: 40°C
Operation: 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz
Controls: 0-10V, NEMA 3-PIN / 7-PIN photocontrol receptacle
Surge Protection: 6kV surge integrated in driver, 10kV / 10kA, UL 1449 surge protection optional

Options and accessories
- NEMA 3-PIN photocontrol receptacle
- NEMA 7-PIN photocontrol receptacle
- Top and side visor
- Wire guard
- Slipfitter mount (2” pipe or 2-3/8” O.D. tenon)
- Vandal shield
- Vandal shield

Additional information
- Vibration Tested: 3G
- UL/cUL Listed: Wet Location
- IP66 Rated: Yes (Fixture and optical chamber)
- LM79/LM80: Compliant
- RoHS: Compliant
- EPA: 2.5
- Approximate Net Weight: 48 lbs. (22 kgs.)

Energy and maintenance savings
- Annual savings: 79% (Compared to 1000W metal halide)

NOTE: Product specifications subject to change without notice. Visit www.eaton.com/ lighting to find the most up to date information.

16 EATON Night Falcon LED floodlight series

17 EATON Night Falcon LED floodlight series
**Dimensions**

- **Night Falcon Small**
  - Slipfitter mount
  - Width: 12 1/2" (317mm)
  - Height: 11 15/16" (303mm)
  - Yoke Mount
  - Width: 12 2/3" (326mm)
  - Height: 11 15/16" (303mm)

- **Night Falcon Large**
  - Slipfitter mount
  - Width: 19 1/2" (500mm)
  - Height: 18 1/16" (458mm)
  - Yoke Mount
  - Width: 19 1/2" (500mm)
  - Height: 18 1/16" (458mm)

**Finish selection**

Eaton utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for Eaton to serve functionally as well as decorative. Good film appearance combined with excellent mechanical and exterior exposure qualities display greater than twice as much gloss retention. Finish is compliant with ASTM B117 3000hr salt spray standard. RAL and custom color matches available.

Product specifications subject to change without notice. Visit www.eaton.com/lighting to find the most up to date information.

Five-stage super TGIC paint resists extreme weather conditions, while providing optimal color and gloss retention.

*Carbon bronze is standard on stock configurations. Satins and texturals have been replaced as close as possible. Paper and ink limitations, as well as the influence of heat and light, account for differences from actual coatings. To aid in final product selection, please contact your local product representative.
Lighting Product Lines
- Halo
- Halo Commercial Portfolio
- Iris
- RSA
- Metalux
- Corelite
- Neo-Ray
- Fail-Safe
- MWS
- Ametrix
- Shaper io
- Lumark
- McGraw-Edison
- Invue
- Ephesus
- Lumière
- Streetworks
- AtLite
- Sure-Lites

Controls Product Lines
- Greengate
- iLumin
- Zero 88
- Fifth Light Technology
- iLight (International Only)

Connected Lighting Systems
- LumaWatt Pro
- WaveLinx
- Distributed Low-Voltage Power
- ConnectWorks