

Generation Series™
LED Decorative Post Top Luminaire

STREETWORKS



Cooper Lighting
by **EATON**

Innovation you can rely on™

Performance and Aesthetic Value

Versatile, Adaptable Form

From traditional to contemporary applications, the Generation Series LED post top luminaire provides the flexibility of form needed to complement a wide range of surroundings. A wide selection of base, cage, top, lens and finial styles allows for hundreds of design combinations.

Efficient LED Technology

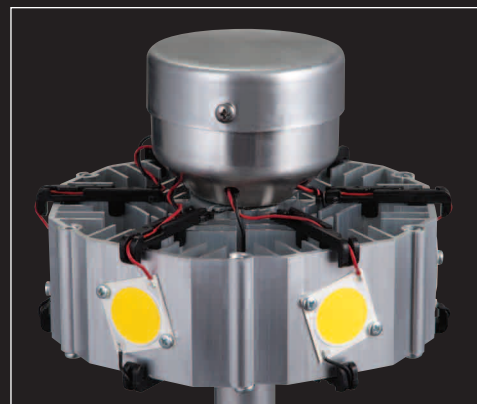
LEDs open the door for meaningful reductions in energy consumption, improving the bottom line while providing real environmental benefits. The Generation Series LED luminaire provides warm, white light with dimming technology that allows for precise management of energy usage and illumination, while its long maintenance intervals deliver real operating cost savings and return on investment.

Designed for the Long Run

The Generation Series LED luminaire boasts leading edge technology and world-class reliability along with user-friendly features like tool-less entry and quick electrical disconnects. Backed by rigorous engineering and manufacturing standards, the Generation Series LED luminaire integrates the latest technology in a familiar form with no compromises.



The Generation Series LED luminaire is a marriage of traditional shapes, contemporary styling and superior photometrics that offer excellent illumination and uniformity for many of today's applications.



Proven design with the latest in LED technology.

Design Performance Features

Construction

- Heavy-duty die-cast aluminum housing, removable door and cage assemblies
- Multiple spun aluminum or acrylic tops, cast aluminum finials and extruded aluminum cage rings
- Single quarter turn fastener for tool-less access to wiring compartment
- Optional twistlock globe assembly for ease of maintenance
- Optional internal NEMA photocontrol receptacle available
- 3G vibrated tested

Electrical

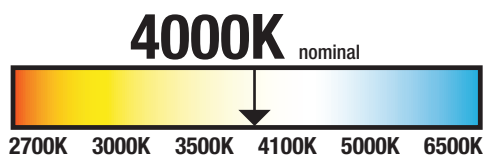
- Operates in -40°C to 40°C ambient temperatures
- 10kV/10kA UL 1449 surge protection standard
- >L90, 60,000 hours at 40°C, compliant with IESNA TM-21
- 120-277V 50/60Hz operation
- Standard three-position tunnel type compression terminal block

Optical

- Available in Type III and Type V distributions

Mounting

- Fits 3" O.D. tenons, secured by four 3/8" stainless steel fasteners



Finish

- Five-stage super TGIC paint resists extreme weather conditions while providing optimal color and gloss retention. It's available in standard black, bronze, grey, white, dark platinum, graphite metallic or hartford green. RAL and custom colors matches available



Grey



Bronze



Black



Dark Platinum



Graphite Metallic



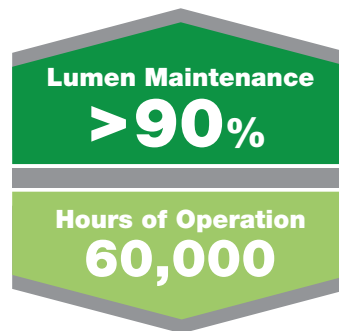
White



Hartford Green

Warranty

- Five-year warranty



NOTE: Compliant with IESNA TM-21



Surge Protection

10kV/10kA UL 1449 surge protection against common (line-to-ground) and differential (line-to-line) surge.



Tool-less Access

Access to wiring compartment via a single quarter-turn fastener.



Decorative Brass Banding

To further enhance the aesthetics of the Acorn and Victorian glow top versions, a decorative brass band is available.

Flexibility and Versatility

Appealing Form

The Generation Series LED luminaire is designed to offer a multitude of both traditional and contemporary forms to meet varying market needs. Combining three distinct bases, four unique cage assemblies and a variety of tops and finials, over 100 different styles can be created to complement virtually any application.

Top Type



Modern
(Spun Top)



Nostalgic
(Spun Top / Top Access)



Victorian
(Glow Top)



Architectural

Victorian



Classical
(Spun Top)



Architectural
(Spun Top / Top Access)



Acorn
(Glow Top)



Avenue ¹
(Spun Top / Top Access)

Cage Type



Classical



Modern



Architectural



Avenue ¹

Base Type



Acorn



Architectural



Classical

Globe Type



Refractive Globe (Type III or V)
Acrylic or Polycarbonate

NOTES: 1 Avenue cage must be ordered with Avenue Top and Architectural base. Avenue top is available without cage.

Energy Savings

Reduced Energy Consumption

Operating and maintenance costs of a lighting system are dramatically impacted by the lamp type, system power consumption and the duration time of operation. Total system input watts and fixture operating life should be the driving considerations when addressing energy consumption and total cost of ownership. Energy savings increase when energy consumption is reduced and maintenance intervals are extended.

Annualized Energy and Maintenance Savings/Cost Comparison

Product	Correlated Color Temperature (CCT)	Wattage	Hours Per Year (12 Hours Per Day)	Life (Hours)	Lamp Price	Five-Year Re-lamp Cost	Five-Year Energy Cost (\$0.10/kWh)	Five-Year Cost-to-Own, Maintenance + Energy
Generation Series LED	4000K	99W	4,380	60,000	N/A	\$0	\$217	\$217
150W HPS	2100K	185W	4,380	24,000	\$10	\$80	\$405	\$485
175W MH	3000K-4000K	208W	4,380	16,000	\$10	\$120	\$456	\$576



Retrofit Installation

The Generation Series LED light engine is backwards compatible, requiring no modification to existing refractive globe Generation Series HID luminaires installed in the field. The light output is tuned to match the properties of HID sources, optimizing photometric performance and visual appearance.

Installation of the LED replacement module in the Generation Series luminaire is quick and easy. The electrical quick disconnect of the LED replacement module matches existing HID connections. Access to the electrical quick disconnect is gained through the housing door via a quarter-turn fastener. Inside the lamp compartment the HID lamp and ballast module are mounted on a cast aluminum tray that can be removed by loosening two tool-less thumb screws. Remove the HID module and reconnect the LED replacement module using the same electrical connection and thumbscrew arrangement. Lastly the refractive globe is put back into place and the housing door is closed.



Ordering Information

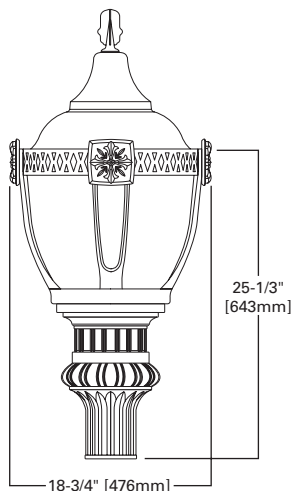
Sample Number: ACN-080-LED-E-U-33-1-7-3-BK

Product Family	LED Series	Driver	Voltage	Refractor Type	Cage Type ¹	Top Type	Finial Type	Color
ACN=Acorn Base ARC=Architectural Base CLB=Classical Base	080=080 Series	E=Non-Dimming D=Dimming	U=Universal (120-277V)	33=Type III 55=Type V	Classical 1=Classical A=Classical Sun Gold B=Classical Antique Gold C=Classical Colonial Bronze Modern 2=Modern D=Modern Sun Gold E=Modern Antique Gold F=Modern Colonial Bronze Architectural 3=Architectural G=Architectural Sun Gold H=Architectural Antique Gold J=Architectural Colonial Bronze 6=Avenue ² X=None	1=Acorn 2=Modern 3=Victorian 4=Classical 5=Avenue (Top Access) ² 6=Nostalgic (Top Access) 7=Architectural (Top Access)	1=Victorian 2=Modern 3=Architectural 4=Nostalgic X=None	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GN=Hartford Green GM=Graphite Metallic WH=White
Options (Add as Suffix)				Accessories (Order Separately)				
2L=Two Circuits SH=Street Side / House Side Switching A=Twistlock Globe B=Decorative Brass Banding ³ C=Copper Accents 4=Internal NEMA Photocontrol Receptacle U=UL/CSA Listed P=Polycarbonate Refractor				OA1222=10kV Surge Module GLK080EU=Generations LED Retrofit Light Engine Kit GLK080EU2L=Generations LED Retrofit Light Engine Kit wired for Two Circuit Dimming GLK080EUSH=Generations LED Retrofit Light Engine Kit wired for Street Side / House Side Dimming				

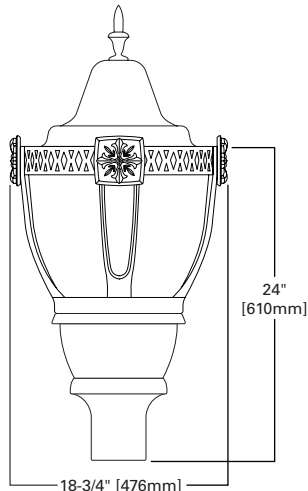
NOTES: 1 Cage type painted to match base. 2 Avenue cage only available with Avenue Top and Architectural base. 3 Available with Acorn and Victorian tops only.

Dimensions

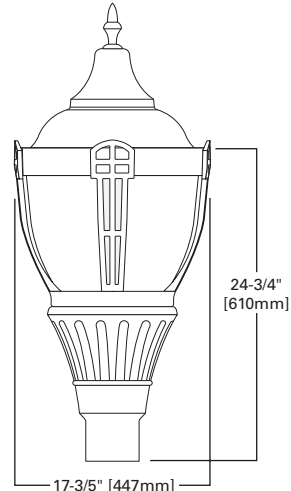
ACN (Acorn Base)



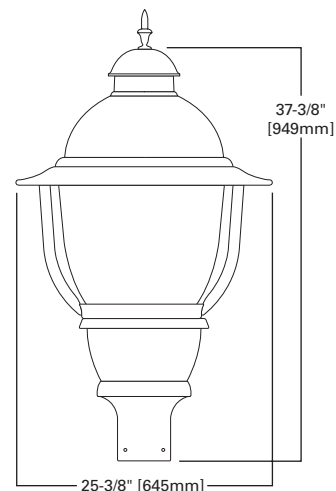
ARC (Architectural Base)



CLB (Classical Base)



ARC Avenue



Additional Information

Compliances	Technical Data (Electronic Driver)	EPA (Effective Projected Area - Square Feet)	Shipping Data (Approximate Net Weight)
UL and cUL Wet Location Listed 3G Vibration Rated ISO 9001	+40°C (104°F) Ambient Temperature Rating -40°C (-40°F) Ambient Temperature Rating >0.9 Power Factor <20% Total Harmonic Distortion 120-277V 50/60Hz	2.1	50 lbs. (23 kgs.)



NOTE: Specification and dimensions subject to change without notice.

Eaton's Cooper Lighting Business

Headquarters
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

Our Lighting Product Brands

Halo
Halo Commercial
Portfolio
IRiS
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLite
Sure-Lites

Our Controls Product Brands

Greengate
iLumin
Zero 88
Fifth Light Technology
iLight (International Only)