GENERATION SERIES
DECORATIVE POST TOP LUMINAIRE

COOPER
Lighting Solutions

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.
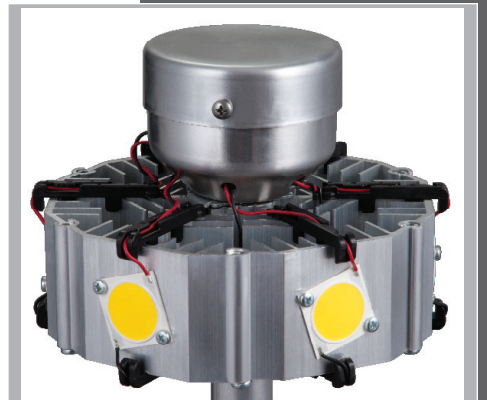
Efficient LED Technology

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.

gn with the latest in LED

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

Electrical
• Operates in -40°C to 40°C ambient temperatures
• 10kV/10kA UL 1449 surge protection standard
• 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

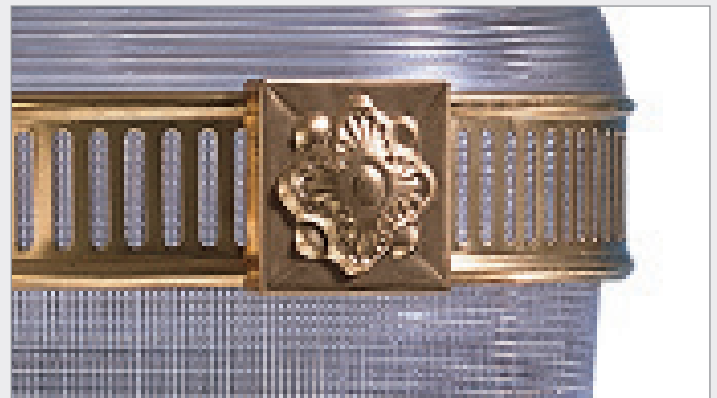|		
Grey	Bronze	Black
Dark Platinum	Graphite Metallic	White
Hartford Green		

Warranty
• Five-year warranty

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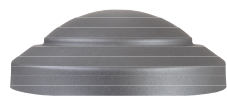

Decorative Brass Banding
To further enhance the aesthetics of the Acorn and Victorian glow top versions, a decorative brass band is available.

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)

Finial Type

Architectural   Modern   Victorian   Nostalgic

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.
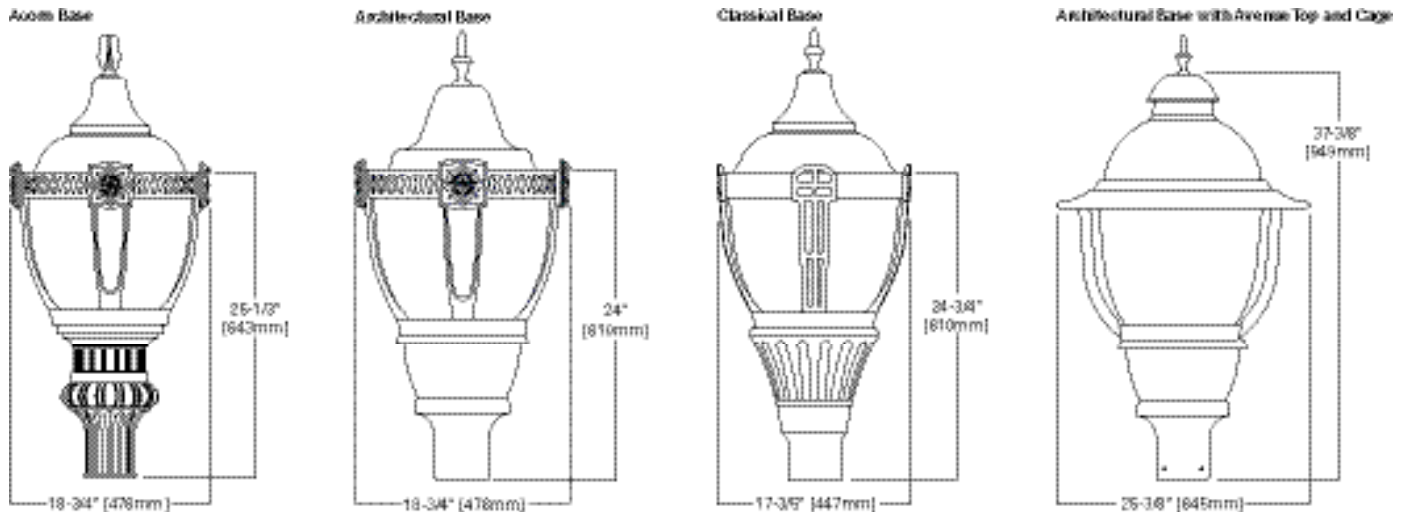
Energy Savings

Operating Cost Savings

The Generation Series LED delivers operating cost savings from day one. When you replace an HID luminaire with the Generation Series LED, you eliminate expensive lamp replacement trips and cut your energy usage by over 50%, saving hundreds of dollars in the first few years of operation.

Annualized Energy and Maintenance Cost Comparisons (Type V, no cage, glow top, 4380 op hours/yr)

$0.20/kW-h	CCT	System Lumens	System Watts	Life (hours)	Lamp cost	Operating Cost to Replace Lamp	% of lamps replaced, 5 years	Maintenance Cost, 5 years	Energy Cost, 5 years	Total Operating Cost, 5 years
Generation Series LED	3000K	14,500	84	50,000	--	--	--	$0.00	$367.92	$367.92
150W HPS	2100K	15,187	180	24,000	$9.00	$100.00	50%	$54.50	$788.40	$842.90
150W PSMH	3000K-4000K	12,875	175	15,000	$15.00	$100.00	75%	$86.25	$766.50	$852.75

$0.15/kW-h	CCT	Lumens (Type V, no cage, no finial)	System Watts	Life (hours)	Lamp cost	Operating Cost to Replace Lamp	% of lamps replaced, 5 years	Maintenance Cost, 5 years	5-year Energy Cost	Total Operating Cost, 5 years
Generation Series LED	3000K	14,500	84	50,000	--	--	--	$0.00	$275.94	$275.94
150W HPS	2100K	15,187	180	24,000	$9.00	$100.00	50%	$54.50	$591.30	$645.80
150W PSMH	3000K-4000K	12,875	175	15,000	$15.00	$100.00	75%	$86.25	$574.88	$661.13

$0.10/kW-h	CCT	Lumens (Type V, no cage, no finial)	System Watts	Life (hours)	Lamp cost	Operating Cost to Replace Lamp	% of lamps replaced, 5 years	Maintenance Cost, 5 years	5-year Energy Cost	Total Operating Cost, 5 years
Generation Series LED	3000K	14,500	84	50,000	--	--	--	$0.00	$183.96	$183.96
150W HPS	2100K	15,187	180	24,000	$9.00	$100.00	50%	$54.50	$394.20	$448.70
150W PSMH	3000K-4000K	12,875	175	15,000	$15.00	$100.00	75%	$86.25	$383.25	$469.50

Dimensions

Acorn Base — 25-1/3" [643mm], 18-3/4" [478mm]

Architectural Base — 24" [610mm], 18-3/4" [478mm]

Classical Base — 24-3/4" [610mm], 17-3/5" [447mm]

Architectural Base with Avenue Top and Cage — 37-3/8" [949mm], 25-3/8" [645mm]

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

Controls Brands
Greengate
Fifth Light

Connected Lighting Systems
HALO Home
WaveLinx

IoT Platforms
Trellix