

## DESCRIPTION

The GAR/GAT/GLC Generation Series LED is a marriage of traditional shapes and contemporary styling. Its superior photometrics offer excellent illumination and uniformity for many of today's applications. Its styling blends well in many settings – historic districts, downtown streetscapes, roadways, residential neighborhoods, as well as city parks and educational campuses. The Generation Series LED sets a new standard for decorative post top luminaires.

<b>Catalog #</b>		<b>Type</b>	
<b>Project</b>			
<b>Comments</b>		<b>Date</b>	
<b>Prepared by</b>			

## SPECIFICATION FEATURES

### Construction

**HOUSING:** Heavy-duty cast aluminum housing and removable door. A single quarter turn fastener on the removable door provides tool-less access to wiring compartment. **CAGE ASSEMBLIES:** Cage assembly uprights and medallions are manufactured of heavy-duty cast aluminum and mounted to the exterior of the base housing via four stainless steel fasteners. Cage rings constructed of extruded aluminum and finished to match housing. **TOPS AND FINIALS:** Choose from multiple spun aluminum or acrylic tops and cast aluminum finials for customized fixture style. All solid tops are made of heavy-duty spun aluminum.

### Optical

**REFRACTIVE GLOBE:** High efficiency refractive optical systems are precisely designed utilizing a combination of refractive and reflective prisms. Available in Type III or Type V distributions. Lighting grade acrylic ensures long lasting optical clarity and resistance to discoloration.

### Electrical

120-277V 50/60Hz operation. 10kV/10kA common and differential mode surge protection standard. Thermal management transfers heat rapidly away from the LED source for optimal efficiency and light output. Ambient operating temperature from -40°C to 40°C. Standard three-position tunnel type compression terminal block.

### Mounting

Base casting slipfits over a standard 3" O.D. tenon and secured via four stainless steel allen head fasteners. 3G vibration tested.

### Finish

Cast and spun components finished in a five-stage premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Consult your Streetworks representative for a complete selection of standard colors including black, bronze, grey, white, dark platinum, graphite metallic and hartford green. RAL and custom color matches available. Options to meet Buy American Act requirements.

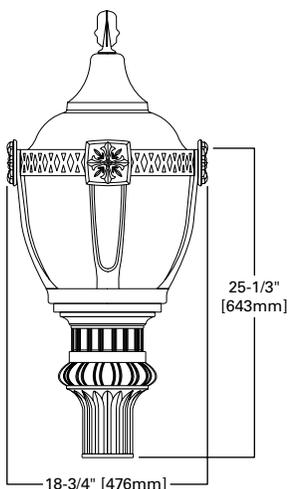
### Warranty

Five-year warranty.

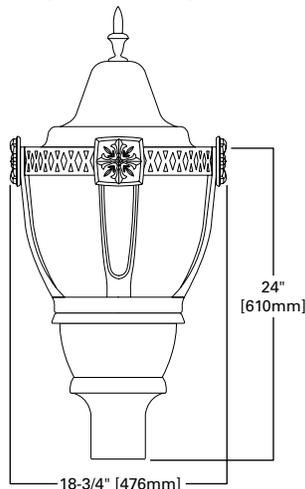


## DIMENSIONS

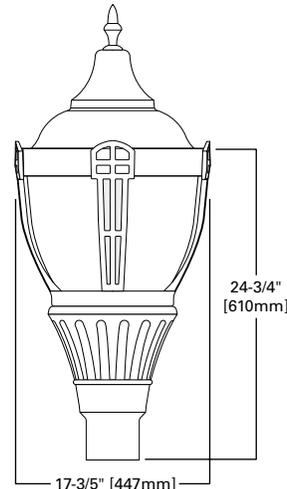
GAR (Acorn Base)



GAT (Architectural Base)



GLC (Classical Base)



## GAR/GAT/GLC GENERATION SERIES LED

LED

DECORATIVE POST TOP  
LUMINAIRE

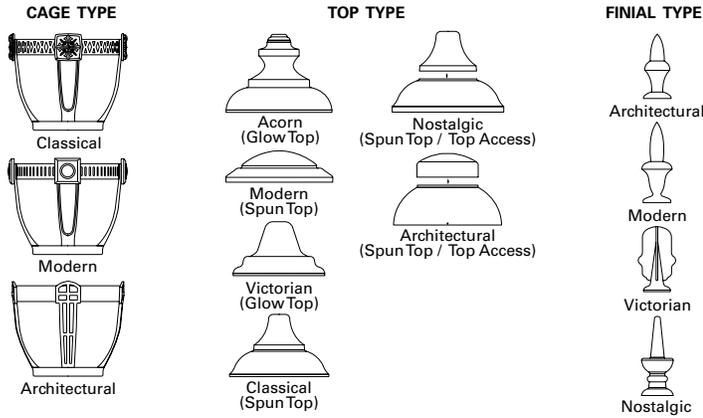


**CERTIFICATION DATA**  
UL/cUL Wet Location Listed

**EPA**  
Effective Projected Area:  
2.1 Square Feet

**SHIPPING DATA**  
Approximate Net Weight:  
50 lbs. (23 kgs.)

**CONFIGURATIONS**



**LUMEN MAINTENANCE**

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
40°C	>91%	306,000

**LUMEN TABLE**

Distribution	Correlated Color	Cage Type	Top Type	Total Lumens (Full Brightness)	Luminaire Wattage (Nominal)	Lumens Per Watt	BUG Ratings
Type III	3000K	None	Glow	11,765	101	116	B3-U5-G4
Type III	4000K	None	Glow	18,122	101	179	B4-U5-G5
Type III	5700K	None	Glow	17,544	101	173	B4-U5-G5
Type III	3000K	None	Solid	12,810	101	126	B3-U5-G5
Type III	4000K	None	Solid	13,782	101	136	B3-U5-G5
Type III	5700K	None	Solid	13,430	101	133	B3-U5-G5
Type III	3000K	Any	Glow	11,765	101	116	B3-U5-G4
Type III	4000K	Any	Glow	12,741	101	126	B3-U5-G4
Type III	5700K	Any	Glow	12,335	101	122	B3-U5-G4
Type III	3000K	Any	Solid	8,743	101	86	B3-U3-G3
Type III	4000K	Any	Solid	9,467	101	93	B3-U3-G3
Type III	5700K	Any	Solid	9,166	101	90	B3-U3-G3
Type V	3000K	None	Glow	15,995	101	158	B4-U5-G5
Type V	4000K	None	Glow	17,321	101	171	B4-U5-G5
Type V	5700K	None	Glow	16,769	101	166	B4-U5-G5
Type V	3000K	None	Solid	14,170	101	140	B4-U5-G5
Type V	4000K	None	Solid	15,346	101	151	B4-U5-G5
Type V	5700K	None	Solid	14,857	101	147	B4-U5-G6
Type V	3000K	Any	Glow	11,404	101	113	B3-U5-G3
Type V	4000K	Any	Glow	12,350	101	122	B4-U5-G3
Type V	5700K	Any	Glow	11,957	101	118	B4-U5-G3
Type V	3000K	Any	Solid	9,210	101	91	B3-U4-G3
Type V	4000K	Any	Solid	9,973	101	98	B4-U4-G3
Type V	5700K	Any	Solid	9,656	101	95	B4-U4-G4

**ORDERING INFORMATION**

Sample Number: GAR-080-LED-E1-3-CXA-BK

Product Family <sup>1</sup>	LED Series	Lamp Type	Voltage	Reflector Type	Top Type	Cage Type	Finial Type	Color <sup>2</sup>
<b>GAR</b> =Acorn Base <b>GAT</b> =Architectural Base <b>GLC</b> =Classical Base <b>BAA-GAR</b> =Acorn Base, Buy American Act Compliant <sup>6</sup> <b>BAA-GAT</b> =Architectural Base, Buy American Act Compliant <sup>6</sup> <b>BAA-GLC</b> =Classical Base, Buy American Act Compliant <sup>6</sup>	<b>080-LED</b> =080 Series	<b>LED</b> =Solid State Light Emitting Diodes	<b>E1</b> =Electronic (120-277V)	<b>3</b> =Type III <b>5</b> =Type V	<b>A</b> =Acorn <b>C</b> =Classical <b>M</b> =Modern <b>V</b> =Victorian <b>N</b> =Nostalgic (Top Access) <b>R</b> =Architectural (Top Access)	<b>A</b> =Architectural <b>C</b> =Classical <b>M</b> =Modern <b>X</b> =None	<b>A</b> =Architectural <b>M</b> =Modern <b>N</b> =Nostalgic <b>V</b> =Victorian <b>X</b> =None	<b>AP</b> =Grey <b>BZ</b> =Bronze <b>BK</b> =Black <b>DP</b> =Dark Platinum <b>GN</b> =Hartford Green <b>GM</b> =Graphite Metallic <b>WH</b> =White
<b>Options</b> (Add as Suffix)		<b>Accessories</b> (Order Separately) <sup>7</sup>						
<b>B</b> =Decorative Brass Banding <sup>3,4</sup> <b>G</b> =Gold Cage and Finial <b>R</b> =Internal NEMA Photocontrol Receptacle <b>P</b> =Polycarbonate Refractor <b>2L</b> =Two Circuits <b>SH</b> =Street Side / House Side Switching <b>7030</b> =70 CRI / 3000K <sup>5</sup> <b>7060</b> =70CRI / 5700K <sup>5</sup>		<b>MA1252</b> =10kV Surge Module Replacement <b>GLR-080-E1</b> =080 Series LED Series LED Replacement Module with 120-277V Universal Driver <b>GLR-080-E1-2L</b> =080 Series LED Series LED Replacement Module with 120-277V Universal Driver and Bi-Level Switching Capable <b>GLR-080-E1-SH</b> =080 Series LED Series LED Replacement Module with 120-277V Universal Driver and Street Side / House Side Switching Capable						

- NOTES:**
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
  - Other finish colors available, including a full line of RAL color matches. Consult your lighting representative at Cooper Lighting Solutions for more information.
  - When brass banding is chosen, finial finished in gold.
  - Not available with cage.
  - Extended lead times apply. Use dedicated IES files for 3000K or 5700K.
  - Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
  - Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.