

Project		Catalog #		Type	
Prepared by		Notes		Date	



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Streetworks

ACN/ARC/CLB Generation Series

Decorative Luminaire

Product Certifications & Features



Product Specifications

OPTICS

- 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
- 0-10V dimming 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

PHYSICAL CHARACTERISTICS

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

- A complete selection of standard colors includes grey, black, bronze, dark platinum, graphic metallic, hartford green, white, and specified RAL numbers
- Consult your Streetworks representative for available custom color matches

COMPLIANCE

- UL wet location rated
- Configurations available that meet DLC and DLC Premium requirements, submission in progress - visit designlights.org to confirm listed variants
- BAA domestic preference option meets BAA requirements. See DOMESTICPREFERENCES website or consult the CLS Domestic Preferences team for more information
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the DOMESTICPREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements

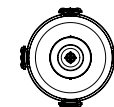
SHIPPING DATA

- Approximate Net Weight: 50 lbs. (23 kgs.)
- Effective Projected Area: 2.1 (Sq. Ft.)

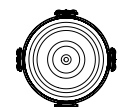
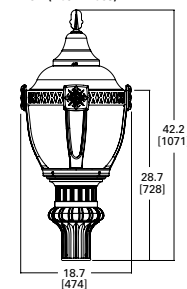
WARRANTY

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

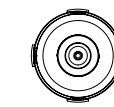
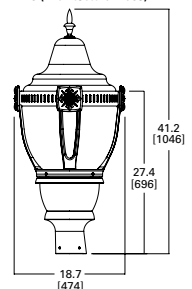
Dimensional Details



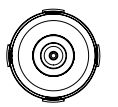
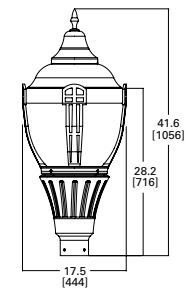
ACN (Acorn Base)



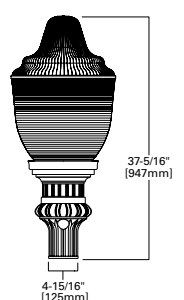
ARC (Architectural Base)



CLB (Classical Base)



ACN (Acorn Base)

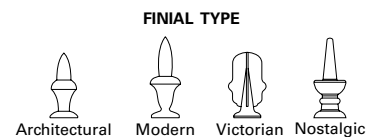
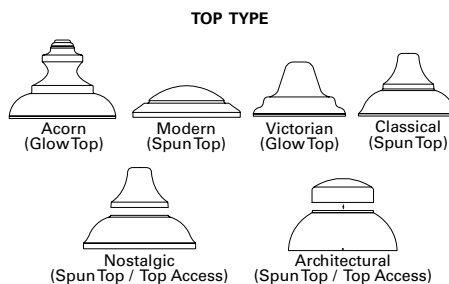
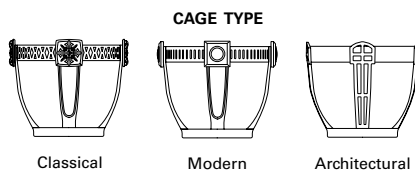


Ordering Information

SAMPLE NUMBER: ACN-CA6-130-740-U-55-X-1-X-BK-PR7

Product Family ¹	LED Series	Nominal Power	Color Temperature	Voltage	Refractor Type	Cage Type	Top Type	Finial Type	Color
ACN =Acorn Base BAA-ACN =Acorn Base Buy American Act Compliant ² TAA-ACN =Acorn Base Trade Agreements Act Compliant ² BABA-ACN =Acorn Base Build America Buy America Act Compliant ¹¹ ARC =Architectural Base BAA-ARC =Architectural Base Buy American Act Compliant ² TAA-ARC =Architectural Base Trade Agreements Act Compliant ² BABA-ARC =Architectural Base Build America Buy America Act Compliant ¹¹ CLB =Classical Base BAA-CLB =Classical Base Buy American Act Compliant ² TAA-CLB =Classical Base Trade Agreements Act Compliant ² BABA-CLB =Classical Base Build America Buy America Act Compliant ¹¹	CA6 =COB Light Engine	50 =50W 60 =60W 70 =70W 80 =80W 90 =90W 100 =100W 110 =110W 120 =120W 130 =130W	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 5700K	U =Universal (120-277V) H =High Voltage (347-480V)	33 =Type III 55 =Type V	Classical 1 =Classical ³ A =Classical Sun Gold B =Classical Antique Gold C =Classical Colonial Bronze Modern 2 =Modern ³ D =Modern Sun Gold E =Modern Antique Gold F =Modern Colonial Bronze Architectural 3 =Architectural ³ G =Architectural Sun Gold H =Architectural Antique Gold J =Architectural Colonial Bronze X =None	1 =Acorn 2 =Modern 3 =Victorian 4 =Classical 6 =Nostalgic (Top Access) 7 =Architectural (Top Access)	1 =Victorian 2 =Modern 3 =Architectural 4 =Nostalgic X =None	AP =Grey BK =Black BZ =Bronze DP =Dark Platinum GM =Graphite Metallic GN =Hartford Green WH =White RALXXXX =RAL Number
Options (Add as Suffix)				Controls		Accessories (Order Separately) ¹⁰			
10MSP =Parallel 10kV MOV Surge Protective Device 20MSP =Parallel 20kV MOV Surge Protective Device 20K =Series 20kV UL 1449 Surge Protective Device 20KI =Series 20kV UL 1449 Surge Protective Device with light indicator B =Decorative Brass Banding ⁴ C =Copper Accents P =Polycarbonate Refractor W =External wire leads 20ft GHSS =Generation Housing Streetside only ⁵ CC =Coastal Construction Dxxxxx =DOT Configuration - Contact Quotes Team Uxxxxx =Utility Configuration - Contact Quotes Team				DALI =DALI Driver(s) ⁶ FADC =Field Adjustable Dimming Controller PR =NEMA 3-PIN Twistlock Photocontrol Receptacle PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ^{7,8} AN8 =M2M Antennae (915MHz) ⁹		OA1222 =10kV Surge Module			
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. 2. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to Domestic Preferences website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 3. Cage type painted to match base. 4. Available with Acorn and Victorian tops only. 5. Type III only. Only available in 80W to 130W nominal output. Approximately 50% of nominal power and energy usage. Consult spec sheet performance tables and IES files on ACN/ARC/CLB product page for actual lumen and wattage value. 6. Available for Nominal Power 50W - 100W only. 7. Height of dimming node/photocell cannot exceed 2.8" at outer edge. 8. Depending on characteristics of dimming node, may need to extend antenna out of housing. Consult your lighting representative at Cooper Lighting Solutions for more information. 9. For use with control systems where M2M is required. 10. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 11. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.									

Configurations



Energy Performance Data

LED Color Multipliers

	CCT					
	2200	2700	3000	3500	4000	5000
CRI	Lumen Multiplier*					
70	0.74	0.84	0.91	0.93	1.00	1.00
80	--	0.75	--	--	--	--

NOTES: * Estimates, refer to IES files for accuracy.

Lumen Maintenance

Ambient Temperature	25,000 hours*	50,000 hours*	L70* (Hours)
25°C	95.4%	91.4%	>54000
40°C	95.6%	89.9%	>54000

NOTES: *Calculation provided in accordance with IES TM-21-11 using the configuration resulting in highest LED temperature.

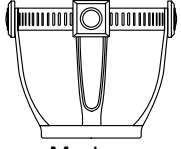
Classical Cage

 Classical			70 CRI, 4000K										
			Nominal Power (Watts)		50	60	70	80	90	100	110	120	130
			Actual Wattage		54	64	74	84	94	104	112	119	124
			Current @ 120V		0.42	0.50	0.58	0.67	0.75	0.83	0.92	1.00	1.08
			Current @ 277V		0.18	0.22	0.25	0.29	0.32	0.36	0.40	0.43	0.47
			Current @ 347V		0.14	0.17	0.20	0.23	0.26	0.29	0.32	0.35	0.37
			Current @ 480V		0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27
Acorn (Glow Top)			T3	Lumens	7,479	8,774	10,033	11,311	12,499	13,650	14,526	15,741	16,365
				Efficacy (lm/w)	139	137	136	135	133	131	130	132	132
			T5	Lumens	7,436	8,724	9,975	11,246	12,427	13,572	14,442	15,650	16,271
				Efficacy (lm/w)	138	136	135	134	132	130	129	132	131
Victorian (Glow Top)			T3	Lumens	7,067	8,291	9,480	10,688	11,810	12,898	13,726	14,874	15,463
				Efficacy (lm/w)	131	130	128	127	126	124	123	125	125
			T5	Lumens	6,973	8,180	9,354	10,546	11,653	12,726	13,543	14,676	15,258
				Efficacy (lm/w)	129	128	126	126	124	122	121	123	123
Modern / Classical / Nostalgic / Architectural (Spun Top)			T3	Lumens	5,417	6,355	7,267	8,192	9,053	9,887	10,521	11,401	11,853
				Efficacy (lm/w)	100	99	98	98	96	95	94	96	96
			T5	Lumens	5,364	6,293	7,196	8,112	8,964	9,790	10,418	11,290	11,737
				Efficacy (lm/w)	99	98	97	97	95	94	93	95	95
Street Side Only	Actual Wattage				--	--	--	42	47	52	56	60	63
	Acorn (Glow Top)		T3-GHSS*	Lumens	--	--	--	5,644	6,237	6,811	7,248	7,854	8,166
				Efficacy (lm/w)	--	--	--	133	132	131	128	131	131
	Victorian (Glow Top)		T3-GHSS*	Lumens	--	--	--	5,361	5,924	6,469	6,885	7,460	7,757
				Efficacy (lm/w)	--	--	--	127	126	124	122	125	124
	Modern / Classical / Nostalgic / Architectural (Spun Top)		T3-GHSS*	Lumens	--	--	--	4,165	4,603	5,026	5,349	5,796	6,026
				Efficacy (lm/w)	--	--	--	98	98	96	95	97	96

NOTES: *Available only on type 3 distribution. Only available from 80W to 130W.

Energy Performance Data

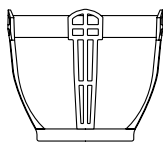
Modern Cage

 Modern			70 CRI, 4000K										
			Nominal Power (Watts)	50	60	70	80	90	100	110	120	130	
			Actual Wattage	54	64	74	84	94	104	112	119	124	
			Current @ 120V	0.42	0.50	0.58	0.67	0.75	0.83	0.92	1.00	1.08	
			Current @ 277V	0.18	0.22	0.25	0.29	0.32	0.36	0.40	0.43	0.47	
			Current @ 347V	0.14	0.17	0.20	0.23	0.26	0.29	0.32	0.35	0.37	
			Current @ 480V	0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	
Acorn (Glow Top)			T3	Lumens	7,523	8,826	10,092	11,378	12,573	13,731	14,612	15,834	16,462
				Efficacy (lm/w)	139	138	136	135	134	132	130	133	133
			T5	Lumens	7,480	8,775	10,034	11,312	12,501	13,652	14,528	15,743	16,367
				Efficacy (lm/w)	139	137	136	135	133	131	130	132	132
Victorian (Glow Top)			T3	Lumens	7,087	8,314	9,507	10,718	11,843	12,934	13,764	14,915	15,506
				Efficacy (lm/w)	131	130	128	128	126	124	123	125	125
			T5	Lumens	6,992	8,203	9,380	10,575	11,686	12,762	13,581	14,717	15,300
				Efficacy (lm/w)	129	128	127	126	124	123	121	124	123
Modern / Classical / Nostalgic / Architectural (Spun Top)			T3	Lumens	5,417	6,355	7,267	8,192	9,053	9,887	10,521	11,401	11,853
				Efficacy (lm/w)	100	99	98	98	96	95	94	96	96
			T5	Lumens	5,364	6,293	7,196	8,112	8,964	9,790	10,418	11,290	11,737
				Efficacy (lm/w)	99	98	97	97	95	94	93	95	95
Street Side Only	Actual Wattage				--	--	--	42	47	52	56	60	63
	Acorn (Glow Top)	T3-GHSS*	Lumens	--	--	--	5,677	6,274	6,851	7,291	7,900	8,214	
			Efficacy (lm/w)	--	--	--	134	133	131	129	132	131	
	Victorian (Glow Top)	T3-GHSS*	Lumens	--	--	--	5,376	5,941	6,487	6,904	7,481	7,778	
			Efficacy (lm/w)	--	--	--	127	126	124	122	125	124	
	Modern / Classical / Nostalgic / Architectural (Spun Top)	T3-GHSS*	Lumens	--	--	--	4,165	4,603	5,026	5,349	5,796	6,026	
			Efficacy (lm/w)	--	--	--	98	98	96	95	97	96	

NOTES: *Available only on type 3 distribution. Only available from 80W to 130W.

Energy Performance Data

Architectural Cage

 Architectural			70 CRI, 4000K										
			Nominal Power (Watts)	50	60	70	80	90	100	110	120	130	
			Actual Wattage	54	64	74	84	94	104	112	119	124	
			Current @ 120V	0.42	0.50	0.58	0.67	0.75	0.83	0.92	1.00	1.08	
			Current @ 277V	0.18	0.22	0.25	0.29	0.32	0.36	0.40	0.43	0.47	
			Current @ 347V	0.14	0.17	0.20	0.23	0.26	0.29	0.32	0.35	0.37	
			Current @ 480V	0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	
Acorn (Glow Top)			T3	Lumens	7,227	8,478	9,695	10,930	12,078	13,190	14,037	15,211	15,813
				Efficacy (lm/w)	134	132	131	130	128	127	125	128	128
			T5	Lumens	7,199	8,446	9,657	10,888	12,031	13,139	13,982	15,152	15,752
				Efficacy (lm/w)	133	132	131	130	128	126	125	127	127
Victorian (Glow Top)			T3	Lumens	6,827	8,009	9,158	10,325	11,409	12,460	13,260	14,369	14,938
				Efficacy (lm/w)	126	125	124	123	121	120	118	121	120
			T5	Lumens	6,745	7,913	9,048	10,201	11,272	12,310	13,100	14,196	14,759
				Efficacy (lm/w)	125	124	122	121	120	118	117	119	119
Modern / Classical / Nostalgic / Architectural (Spun Top)			T3	Lumens	5,272	6,185	7,072	7,973	8,811	9,622	10,239	11,096	11,536
				Efficacy (lm/w)	98	97	96	95	94	93	91	93	93
			T5	Lumens	5,080	5,960	6,815	7,683	8,490	9,272	9,867	10,692	11,116
				Efficacy (lm/w)	94	93	92	91	90	89	88	90	90
Street Side Only	Actual Wattage				--	--	--	42	47	52	56	60	63
	Acorn (Glow Top)	T3-GHSS*	Lumens	--	--	--	5,504	6,082	6,642	7,068	7,659	7,963	
			Efficacy (lm/w)	--	--	--	130	129	127	125	128	127	
	Victorian (Glow Top)	T3-GHSS*	Lumens	--	--	--	5,156	5,698	6,222	6,621	7,175	7,460	
			Efficacy (lm/w)	--	--	--	122	121	119	117	120	119	
	Modern / Classical / Nostalgic / Architectural (Spun Top)	T3-GHSS*	Lumens	--	--	--	3,932	4,345	4,745	5,049	5,472	5,689	
			Efficacy (lm/w)	--	--	--	93	92	91	89	92	91	

NOTES: *Available only on type 3 distribution. Only available from 80W to 130W.

Energy Performance Data

No Cage

			70 CRI, 4000K										
			Nominal Power (Watts)		50	60	70	80	90	100	110	120	130
			Actual Wattage		54	64	74	84	94	104	112	119	124
			Current @ 120V		0.42	0.50	0.58	0.67	0.75	0.83	0.92	1.00	1.08
			Current @ 277V		0.18	0.22	0.25	0.29	0.32	0.36	0.40	0.43	0.47
			Current @ 347V		0.14	0.17	0.20	0.23	0.26	0.29	0.32	0.35	0.37
			Current @ 480V		0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27
Acorn (Glow Top)			T3	Lumens	9,777	11,470	13,116	14,786	16,339	17,844	18,989	20,578	21,393
				Efficacy (lm/w)	181	179	177	176	174	172	170	173	173
			T5	Lumens	9,831	11,533	13,188	14,868	16,430	17,943	19,094	20,691	21,511
				Efficacy (lm/w)	182	180	178	177	175	173	170	174	173
Victorian (Glow Top)			T3	Lumens	9,514	11,161	12,763	14,389	15,900	17,364	18,478	20,024	20,818
				Efficacy (lm/w)	176	174	172	171	169	167	165	168	168
			T5	Lumens	9,489	11,132	12,729	14,351	15,858	17,318	18,430	19,971	20,763
				Efficacy (lm/w)	176	174	172	171	169	167	165	168	167
Modern / Classical / Nostalgic / Architectural (Spun Top)			T3	Lumens	7,713	9,049	10,347	11,665	12,890	14,077	14,980	16,233	16,877
				Efficacy (lm/w)	143	141	140	139	137	135	134	136	136
			T5	Lumens	7,503	8,802	10,065	11,347	12,539	13,694	14,573	15,792	16,417
				Efficacy (lm/w)	139	138	136	135	133	132	130	133	132
Street Side Only	Actual Wattage				--	--	--	42	47	52	56	60	63
	Acorn (Glow Top)	T3-GHSS*	Lumens	--	--	--	7,414	8,193	8,947	9,521	10,317	10,727	
			Efficacy (lm/w)	--	--	--	175	174	172	169	173	171	
	Victorian (Glow Top)	T3-GHSS*	Lumens	--	--	--	7,204	7,961	8,694	9,251	10,025	10,423	
			Efficacy (lm/w)	--	--	--	170	169	167	164	168	167	
	Modern / Classical / Nostalgic / Architectural (Spun Top)	T3-GHSS*	Lumens	--	--	--	5,701	6,300	6,880	7,321	7,933	8,248	
			Efficacy (lm/w)	--	--	--	135	134	132	130	133	132	

NOTES: *Available only on type 3 distribution. Only available from 80W to 130W.

FADC Settings

Nominal Power 50W

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

FADC Settings

Nominal Power 60W-130W

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

FADC Settings

Nominal Power 80W-130W GHSS option

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%