

Project		Catalog #		Type	
Prepared by		Notes		Date	



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## Streetworks

### ULA Utility LED Acorn

Decorative Post Top Luminaire

### Product Certifications & Features



### Product Specifications

#### OPTICAL

- GLOBE: 9" Visual Comfort textured acrylic globe is standard.
- Available in asymmetric or symmetric distributions. Offered standard in 4000K CCT and minimum 70 CRI

#### ELECTRICAL

- 120-277V 50/60Hz operation.
- 10kV surge protection option with series or parallel configuration
- Ambient operating temperature from -30°C to 40°C. Standard
- Standard 3-position terminal block

#### PHYSICAL CHARACTERISTICS

- Heavy duty die-cast aluminum housing and door
- Post top mount fits 3" O.D. tenon. Secured by square head 3/8" stainless steel mounting bolts.

#### CONTROLS

- 0-10V dimming driver standard. Photocontrol and After Hours Dim accessories available. Refer to control options section.
- Optional Field Adjustable Dimming Control (FADC) module allows for manual adjustment of lumen output and power usage; factory preset to highest output level. Enables a single SKU to cover multiple field applications

#### COMPLIANCE

- Meets ANSI C136.25 for IP66 Optical enclosure rating
- Meets ANSI C136.15 for luminaire field identification label standard
- Meets ANSI C136.22 internal label standard
- Safety listing - Wet Location UL 1598
- 3,000-hours per ASTM B117, with a scribe rating of 7 per ASTM D1654 for standard color finish
- Configurations available that meet DLC requirements, submission in progress - visit [www.designlights.org](http://www.designlights.org) to confirm listed variants
- BAA domestic preference option meets BAA requirements. See [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information

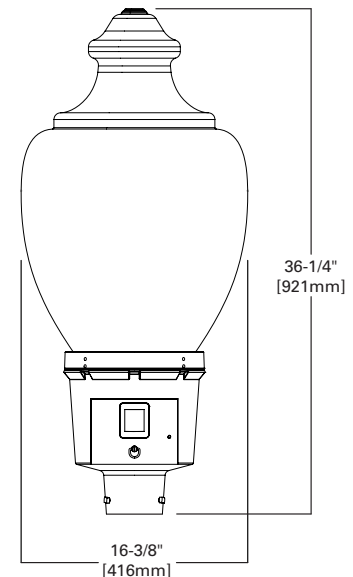
#### SHIPPING DATA

- Approximate Weight: 16 lbs
- EPA: 1.72
- Carton Size: 41.062" X 20.562" X 32"
- Pallet Size: 42" x42"
- Cartons/Pallet: 2

#### WARRANTY

- Five-year limited warranty. Consult website for details. [www.cooperlighting.com/legal](http://www.cooperlighting.com/legal)

### Dimensional Details



## Ordering Information

SAMPLE ORDER NUMBER: ULA-A5-D-U-ASYM-VM-9-7030-4N7-10MSP-W-BK

Product Family <sup>1</sup>	Light Engine	Driver	Voltage	Distribution	Globe
<b>ULA</b> =Utility LED Acorn <b>BAA-ULA</b> =Utility LED Acorn Buy American Act Compliant <sup>7</sup> <b>TAA-ULA</b> =Utility LED Acorn Trade Agreements Act Compliant <sup>7</sup>	<b>A3</b> <b>A4</b> <b>A5</b> <b>A6</b> <b>A7</b> <b>A8</b> <b>A9</b> <sup>12</sup>	<b>D</b> =Dimming <b>SLTD</b> =DALI	<b>U</b> =Universal (120-277V)	<b>SYM</b> =Symmetric <b>ASYM</b> =Asymmetric	<b>VM-9</b> =Visual Comfort / Milky Globe, 9" Neck <b>VM-8</b> =Visual Comfort / Milky Globe, 8" Neck
Options (Add as Suffix)		Color		Accessories (Order Separately) <sup>8</sup>	
<b>7030</b> =70 CRI / 3000K <sup>2</sup> <b>7027</b> =70 CRI / 2700K <sup>2</sup> <b>4</b> =NEMA Photocontrol Receptacle (Internal Mount) <sup>3</sup> <b>4N7</b> =NEMA 7-PIN Photocontrol Receptacle (Internal Mount) <sup>3</sup> <b>FADC</b> =Field Adjustable Dimming Controller <sup>10</sup> <b>10K</b> =10kV UL 1449 Surge Protective Device <b>10MSP</b> =10kV MOV Surge Protective Device <b>NPC</b> =NEMA Photocontrol - Multi-Tap <sup>9</sup> <b>PSC</b> =Photocontrol Shorting Cap <sup>9</sup> <b>HSS</b> =House Side Shield 180 Degree Cutoff <sup>4</sup> <b>W</b> =20' #10 Leads <b>HA</b> =High Ambient <sup>5</sup> <b>AN8</b> =M2M Antennae (915MHz) <sup>6</sup> <b>Dxxxxx</b> =DOT Configuration - Contact Quotes Team <b>Uxxxxx</b> =Utility Configuration - Contact Quotes Team		<b>AP</b> =Grey <b>BK</b> =Black <b>BZ</b> =Bronze <b>WH</b> =White <b>GN</b> =Green		<b>OA/RA1016</b> =NEMA Photocontrol - Multi-Tap <b>OA/RA1013</b> =Photocontrol Shorting Cap <b>OA1223</b> =10kV/10kA UL 1449 Surge Module Replacement <b>ULA-HSS</b> =Field Install House Side Shield 180 Degree Cutoff <sup>4</sup>	
<b>NOTES:</b> 1. 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. 2. Use dedicated IES files for various CCTs and CRIs when performing layouts. These files are published on the Utility LED Acorn luminaire product page on the website. 3. Total height of photocontrol/node cannot exceed 4.3'. 4. Applicable for asymmetric distribution. 5. Not available with A9 light engine. 6. For use with third party control systems where M2M is required. 7. 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 <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 8. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 9. Must select option 4 (3-pin photocell receptacle) or option 4N7 (7-pin photocell receptacle). 10. Cannot be used with 4N7, other motion response control options or SLTD (DALI). 11. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx). 12. Not available with HA option.					

## Energy and Performance Data

## Power and Lumens

Light Engine	A3	A4	A5	A6	A7	A8	A9
Nominal Power (Watts)	21.8	30.6	38.2	44.6	53.6	59.0	66.5
Wattage Label	20	30	40	40	60	60	70
Input Current @ 120V (A)	0.18	0.26	0.32	0.37	0.45	0.49	0.55
Input Current @ 277V (A)	0.08	0.11	0.14	0.16	0.19	0.21	0.24
Input Current @ 347V (A)	0.06	0.09	0.11	0.13	0.15	0.17	0.19
Input Current @ 480V (A)	0.05	0.06	0.08	0.09	0.11	0.12	0.14

70 CRI, 2700K								
SYM	Lumens	3,024	3,735	4,587	5,341	7,874	8,764	9,404
	LPW	139	122	120	120	147	149	141
	Bug Rating	B1 U5 G2	B1 U5 G2	B1 U5 G3	B2 U5 G3	B2 U5 G3	B2 U5 G4	B2 U5 G4
ASYM	Lumens	2,865	3,548	4,302	5,037	7,476	8,312	9,023
	LPW	128	112	108	106	135	137	130
	Bug Rating	B1 U5 G2	B1 U5 G3	B1 U5 G3	B1 U5 G3	B1 U5 G4	B2 U5 G4	B2 U5 G4

70 CRI, 3000K								
SYM	Lumens	3,183	3,932	4,828	5,622	8,288	9,224	9,899
	LPW	146	128	126	126	155	156	149
	Bug Rating	B1 U5 G2	B1 U5 G3	B1 U5 G3	B2 U5 G3	B2 U5 G3	B2 U5 G4	B2 U5 G4
ASYM	Lumens	3,016	3,735	4,528	5,301	7,869	8,749	9,498
	LPW	135	118	113	112	143	144	137
	Bug Rating	B1 U5 G3	B1 U5 G3	B1 U5 G3	B1 U5 G3	B1 U5 G4	B2 U5 G4	B2 U5 G4

70 CRI, 4000K								
SYM	Lumens	3,295	4,070	4,998	5,820	8,580	9,549	10,247
	LPW	151	133	131	130	156	162	154
	Bug Rating	B1 U5 G2	B1 U5 G3	B1 U5 G3	B2 U5 G3	B2 U5 G4	B2 U5 G4	B2 U5 G4
ASYM	Lumens	3,122	3,866	4,687	5,488	8,146	9,057	9,832
	LPW	139	122	117	116	144	149	142
	Bug Rating	B1 U5 G3	B1 U5 G3	B1 U5 G3	B1 U5 G3	B2 U5 G4	B2 U5 G4	B2 U5 G5

## Lumen Maintenance

Light Engine	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
ULA-A8-D-U-ASYM	40°C	>73%	71,000
ULA-A8-D-U-ASYM	40°C	>85%	139,000

## Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

## FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%