

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Streetworks

### ULA Utility LED Acorn

Decorative Post Top Luminaire

#### Product Features



#### Product Certifications



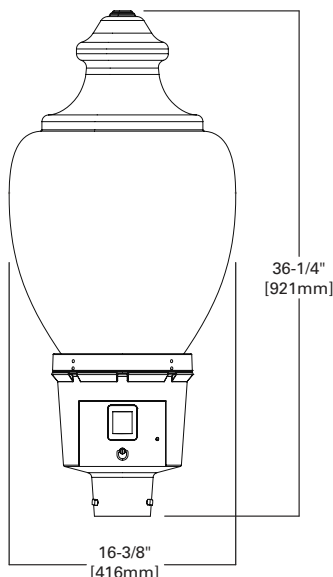
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#### Quick Facts

- Traditional acorn decorative form factor
- Up to 156 lumens per watt
- Replaces up to 100W equivalent HID
- Tool-less entry for easy installation and maintenance
- Two levels of 10kV surge protection available

#### Dimensional Details



#### Connected Systems

- WaveLinX

## 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>	<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 A8 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).					

## Specifications Features

### Construction

- Heavy-duty cast aluminum housing and removable door. A single quarter turn fastener on the removable door provides tool-less access to wiring compartment.

### Optics

- 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/10kA common - and differential mode surge protection available. 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.
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

### Controls

- 0-10V dimming driver standard. Photocontrol and After Hours Dim accessories available. Refer to control options section.
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected.

### Mounting

- Post top mount fits 3" O.D. tenon. Secured by square head 3/8" stainless steel mounting bolts.

### Energy Data

- Electronic LED Driver
- >0.9 Power Factor
- <20% Total Harmonic Distortion
- 120-277V 50/60Hz
- 30°C Minimum Temperature
- 40°C Ambient Temperature Rating

### Certification

- Heights 12 ft and greater
- Options to meet Buy American and other domestic preference requirements.

### Shipping Data & EPA

- Approximate Net Wt: 16 lbs. (7.3 kgs.)
- Effective Projected Area: (Sq. Ft.) 1.72

### Warranty

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

## Energy and Performance Data

## Power and Lumens

Light Engine		A3	A4	A5	A6	A7	A8	A9
Nominal Power (Watts)		21	29	36	44	55	56	71
Wattage Label		20	30	40	40	60	60	70
Current (a) @120V		178 mA	244 mA	309 mA	379 mA	462 mA	471 mA	618 mA
Current (a) @277V		90 mA	128 mA	158 mA	192 mA	235 mA	240 mA	271 mA
Optics								
SYM	4000K	3,295	4,070	4,998	5,951	7,032	8,423	9,549
	BUG Rating	B1-U5-G2	B1-U5-G3	B1-U5-G3	B2-U5-G3	B2-U5-G3	B2-U5-G3	B2-U5-G3
	3000K	3,183	3,931	4,828	5,748	6,793	8,136	9,224
	BUG Rating	B1-U5-G2	B1-U5-G2	B1-U5-G3	B2-U5-G3	B2-U5-G3	B2-U5-G3	B2-U5-G3
	2700K	3,024	3,735	4,586	5,461	6,453	7,729	8,762
	BUG Rating	B1-U5-G2	B1-U5-G2	B1-U5-G3	B2-U5-G3	B2-U5-G3	B2-U5-G3	B2-U5-G3

Light Engine		A3	A4	A5	A6	A7	A8	A9
Nominal Power (Watts)		21	30	37	46	56	57	71
Wattage Label		20	30	40	50	60	60	70
Current (a) @120V		182 mA	250 mA	314 mA	390 mA	475 mA	480 mA	618 mA
Current (a) @277V		81 mA	118 mA	144 mA	173 mA	212 mA	214 mA	271 mA
Optics								
ASYM	4000K	3,122	3,866	4,687	5,488	6,357	7,989	9,057
	BUG Rating	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G4	B1-U5-G4
	3000K	3,016	3,734	4,527	5,301	6,140	7,717	8,749
	BUG Rating	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G4	B1-U5-G4
	2700K	2,865	3,548	4,301	5,036	5,833	7,331	8,311
	BUG Rating	B1-U5-G2	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G3	B1-U5-G3	B2-U5-G3

## 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%

Note: +/-5% typical value