

# AO21 Series

## LED Luminaire



### Features

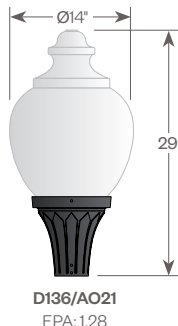
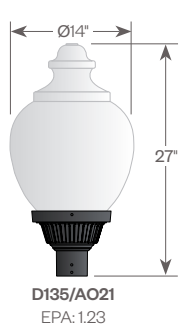
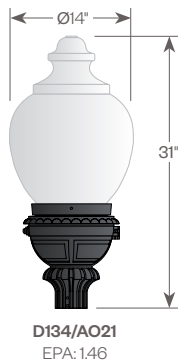
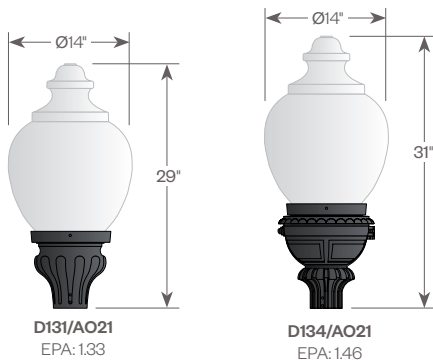
Lighting for exterior retail, commercial and hospitality environments. The AO21 Series consists of a decorative acorn combined with one of several styles of cast aluminum fitters. Powered by the Amerlux patented AVISTA® LED system with options for intensity, distribution and color. An optional Smartsite wireless lighting controller is available.

### Product Overview

Wattage:	up to 86W
Lumen Output :	up to 10,943 lm; up to 143 lm/W
Color Temp:	2700K, 3000K, 4000K
Dimming:	0-10V dimming Manual onboard dimming option available

### PROJECT:

### TYPE:



### Installation:

The luminaire will mount to a 3" OD post or tenon with 5/16" black oxide coated stainless steel set screws to ensure a solid connection. The diffuser will be held to the fitter by (4) 5/16"-18 black oxide coated stainless steel set screws.

### Electrical:

- Over voltage and short circuit protected driver
- Series connected 10kV/20kA surge protector
- Automatic AC incoming voltage sensing (120V-277V)
- 347V-480V option consult factory
- 0-10V dimming

### Diffuser Choices:

- Clear Textured Polycarbonate (PC-CL)
- White Textured Acrylic (AC-WH)
- Clear Textured DR Acrylic (DR-CL)

### Distribution:

- Symmetric (SY)
- Asymmetric (AS)
- Street Optic (SO)

**ETL listed, suitable for wet locations.**

### CCT:

- 2,700K (27)
- 3,000K (30)
- 4,000K (40)

### Power Level:

(see performance chart for output)

- P1 (30W)
- P2 (44W)
- P3 (60W)
- P4 (86W)

### L70:

72,000+ hrs.

### Finish:

Durable thermoset polyester powdercoat finish in the following:

- Satin Black (BLK)
- Classic Bronze (CLB)
- Gloss Textured Bronze (GBZ)
- Green (GRN)
- Gloss Textured Black (GTB)
- Textured Black (TBK)
- Gloss Textured Green (TGR)

### Accessories:

- Cast aluminum Finial (CFIN)
- Dusk-to-dawn button type photocell (PCL)
- Controls Capable Harness (CCH)
- Wireless control option



**5** year limited warranty  
AMERLUX LED



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PROJECT:

TYPE:

## Ordering Information



Add additional accessories as needed

1	2	3	4
Model	Diffuser Material - Color	LED System	Light Distribution
D131/AO21	PC-CL clear textured polycarbonate	AVI-G3 Avista light engine, standard model	SY symmetrical
D134/AO21	AC-WH white textured acrylic		AS asymmetrical
D135/AO21	DR-CL clear textured DR acrylic		SO street optic
D136/AO21			
5	6	7	8
CCT	Power Level	Finish	Accessories
27 2700K	P1 (30W)	BLK satin black	CFIN cast aluminum finial
30 3000K	P2 (44W)	CLB classic bronze	PCL dusk-to-dawn button type photocell (not available for use with CCH)
40 4000K	P3 (60W)	GBZ gloss textured bronze	CCH controls capable harness (not available for use with PCL)
	P4 (86W)	GRN green	
	<i>120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.</i>	GTB gloss textured black	<i>Consult factory for SmartSite integrated wireless control option (SSINT-1)</i>
		TBK textured black	
		TGR gloss textured green	
		CSTM custom	

**Please Note:** Fixture is available with optional Medium base (MDO) or Mogul base (MGO) socket only. Consult factory for details.

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AO21 LED Series Luminaire

PROJECT:

TYPE:

## Performance

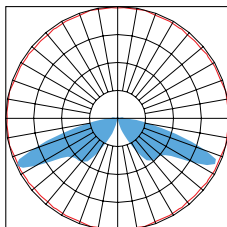


Model	Distribution	CCT	Power Level	System Watts	LED Engine Lumens	LED Engine LPW	Lumens w/DLO Acorn	LPW DLC* Acorn	BUG Rating	
AVI-G3	SY	27	P1	30	3651	122.9	3345	<b>112.6</b>	2-3-2	
		30			4034	135.8	3695	<b>124.4</b>	2-3-2	
		40			4246	143.0	3890	<b>131.0</b>	2-3-2	
	AS	27			3505	118.0	3197	<b>107.6</b>	1-3-2	
		30			3872	130.4	3531	<b>118.9</b>	1-3-2	
		40			4076	137.2	3717	<b>125.2</b>	1-3-2	
	SO	27			3296	111.0	2976	<b>100.2</b>	1-3-1	
		30			3579	120.5	3232	<b>108.8</b>	1-3-1	
		40			3883	130.7	3506	<b>118.0</b>	1-3-1	
	SY	27	P2	44	5245	119.2	4805	<b>109.2</b>	2-3-2	
		30			5794	131.7	5308	<b>120.6</b>	2-3-2	
		40			6099	138.6	5587	<b>127.0</b>	2-3-2	
		AS			27	5035	114.4	4592	<b>104.4</b>	2-3-2
					30	5562	126.4	5073	<b>115.3</b>	2-3-2
					40	5855	133.1	5340	<b>121.4</b>	2-3-2
	SO	27	4654	105.8	4203	95.5	1-3-2			
		30	5141	116.8	4642	<b>105.5</b>	1-3-2			
		40	5412	123.0	4887	<b>111.1</b>	1-3-2			
	SY	27	P3	60	7026	116.1	6437	<b>106.4</b>	2-3-3	
		30			7762	128.3	7111	<b>117.5</b>	2-3-3	
		40			8170	135.0	7485	<b>123.7</b>	3-3-3	
		AS			27	6745	111.5	6152	<b>101.7</b>	2-3-2
					30	7451	123.2	6795	<b>112.3</b>	2-3-2
					40	7843	129.6	7153	<b>118.2</b>	2-3-2
SO	27	6235	103.1	5630	93.1	2-3-3				
	30	6887	113.8	6219	<b>102.8</b>	2-3-3				
	40	7249	119.8	6546	<b>108.2</b>	2-3-3				
SY	27	P4	86	9411	109.4	8622	<b>100.3</b>	2-3-3		
	30			10394	120.9	9524	<b>110.7</b>	2-3-3		
	40			10943	127.2	10025	<b>116.6</b>	3-3-3		
	AS			27	9035	105.1	8240	95.8	2-3-2	
30		9980	116.0	9102	<b>105.8</b>	2-3-2				
40		10505	122.2	9581	<b>111.4</b>	2-3-2				
SO	27	8595	99.9	7761	90.2	2-3-3				
	30	9494	110.4	8573	<b>99.7</b>	2-3-3				
	40	9994	116.2	9024	<b>104.9</b>	2-3-3				

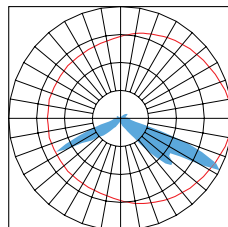


IES files supplied are 3000K. For 2700K use a 0.91 multiplier; For 4000K use a 1.05 multiplier. **BOLD** numbers indicate that the configuration meets DLC standards.

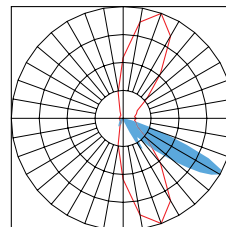
## Light Distribution Types



SY Type V



AS Type IV



SO Type III