

AR20 Series

LED Luminaire



PROJECT:

TYPE:

Features

Lighting for exterior retail, commercial and hospitality environments. The AR20 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.

Product Overview

Wattage: up to 86W
Lumen Output : up to 10,943 lm; up to 143 lm/W
Color Temp: 2700K, 3000K, 4000K
1900K (*Nightscape*)
Dimming: 0-10V dimming
Manual onboard dimming option available



Certifications



Fixture Summary

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
- Optional Socket only version available, consult factory

Diffuser Choices:

- Clear Textured Polycarbonate
- Clear Textured DR Acrylic

Distribution:

- Symmetric
- Asymmetric
- Street Optic

OCT, CRI:

- 2700K, 80CRI
- 3000K, 70CRI
- 4000K, 70CRI
- 1900K, 52CRI (*Nightscape*, see pg 4)

Power Level:

(see performance chart for output)

- 30W
- 44W
- 60W
- 86W

L70:

72,000+ hrs.

Finish:

Durable thermoset polyester powdercoat finish in the following:

- Satin Black
- Classic Bronze
- Gloss Textured Bronze
- Green
- Gloss Textured Black
- Textured Black
- Gloss Textured Green

Accessories:

- Cast aluminum finial
- Dusk-to-dawn button type photocell
- Controls Capable Harness
- Optional onboard field selectable output switch for dimming

ETL listed, suitable for wet locations.



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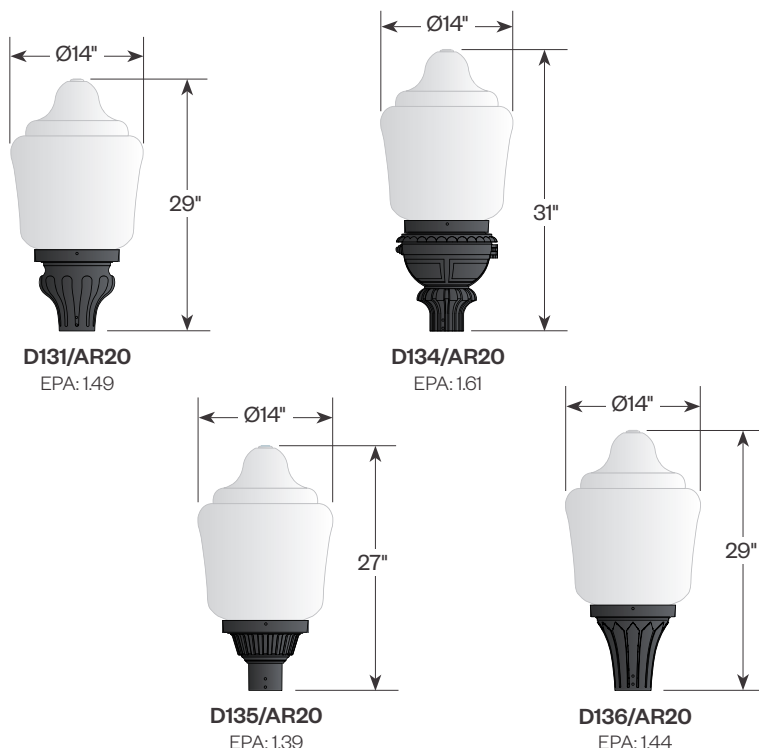
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Ordering Information

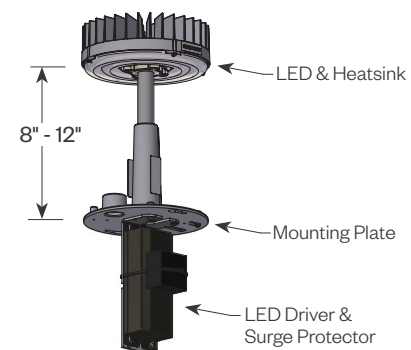
AVI-G3							
1	2	3	4	5	6	7	8
1 Model	2 Diffuser Material - Color	3 LED System	4 Light Distribution	5 CCT	6 Power Level	7 Finish	8 Accessories
D131/AR20 D134/AR20 D135/AR20 D136/AR20	PC-CL clear textured polycarbonate DR-CL clear textured DR acrylic	AVI-G3 Avista light engine, standard model	SY symmetrical AS asymmetrical SO street optic	27 2700K 30 3000K 40 4000K NS 1900K <i>(Nightscape, see pg 4 for details)</i>	P1 (30W) P2 (44W) P3 (60W) P4 (86W) 120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.	BLK satin black CLB classic bronze GBZ gloss textured bronze GRN green GTB gloss textured black TBK textured black TGR gloss textured green CSTM custom	CFIN cast aluminum finial PCL dusk-to-dawn button type photocell <i>(not available for use with CCH)</i> CCH controls capable harness <i>(not available for use with PCL or FSO)</i> FSO field selectable output option to allow manual dimming <i>(not available for use with CCH)</i>

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

Product Details



Avista Light Engine



AVI-G3

Weight: 6.2 - 6.6 lbs*

* Weight varies with Power output due to variances of the driver.



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Performance Data

Multiplying Factors: (Multiplying Factor is based on 3000K IES file on website)

CCT:	1900K (NS)	2700K	3000K	4000K
Factor:	0.85	0.91	1.0	1.05

Model	Distribution	CCT	Power Level	System Watts	LED Engine Lumens	LED Engine LPW	Lumens w/DLC Acorn	LPW DLC* Acorn	BUG Rating
AVI-G3	SY	27	P1	30	3651	122.9	3345	112.6	2-3-2
		30			4034	135.8	3695	124.4	2-3-2
		40			4246	143.0	3890	131.0	2-3-2
		NS			3445	116.0	3156	106.3	2-3-2
	AS	27			3505	118.0	3197	107.6	1-3-2
		30			3872	130.4	3531	118.9	1-3-2
		40			4076	137.2	3717	125.2	1-3-2
		NS			2859	96.0	2607	88.0	1-3-2
	SO	27			3296	111.0	2976	100.2	1-3-1
		30			3579	120.5	3232	108.8	1-3-1
		40			3883	130.7	3506	118.0	1-3-1
		NS			3056	102.9	2760	92.9	1-3-1
	SY	27	P2	44	5245	119.2	4805	109.2	2-3-2
		30			5794	131.7	5308	120.6	2-3-2
		40			6099	138.6	5587	127.0	2-3-2
		NS			4948	113.0	4533	104.0	2-3-2
	AS	27			5035	114.4	4592	104.4	2-3-2
		30			5562	126.4	5073	115.3	2-3-2
		40			5855	133.1	5340	121.4	2-3-2
		NS			4107	94.0	3745	86.0	2-3-2
	SO	27			4654	105.8	4203	95.5	1-3-2
		30			5141	116.8	4642	105.5	1-3-2
		40			5412	123.0	4887	111.1	1-3-2
		NS			4390	100.5	3965	90.8	1-3-2
	SY	27	P3	60	7026	116.1	6437	106.4	2-3-3
		30			7762	128.3	7111	117.5	2-3-3
		40			8170	135.0	7485	123.7	3-3-3
		NS			6628	110.0	6072	100.0	3-3-3
	AS	27			6745	111.5	6152	101.7	2-3-2
		30			7451	123.2	6795	112.3	2-3-2
		40			7843	129.6	7153	118.2	2-3-2
		NS			5502	91.0	5017	83.0	2-3-2
	SO	27			6235	103.1	5630	93.1	2-3-3
		30			6887	113.8	6219	102.8	2-3-3
		40			7249	119.8	6546	108.2	2-3-3
		NS			5881	97.2	5311	87.8	2-3-3
	SY	27	P4	86	9411	109.4	8622	100.3	2-3-3
		30			10394	120.9	9524	110.7	2-3-3
		40			10943	127.2	10025	116.6	3-3-3
		NS			8878	104.0	8133	95.0	3-3-3
	AS	27			9035	105.1	8240	95.8	2-3-2
		30			9980	116.0	9102	105.8	2-3-2
		40			10505	122.2	9581	111.4	2-3-2
		NS			7369	86.0	6720	79.0	2-3-2
	SO	27			8595	99.9	7761	90.2	2-3-3
		30			9494	110.4	8573	99.7	2-3-3
		40			9994	116.2	9024	104.9	2-3-3
		NS			8108	94.8	7108	83.1	2-3-3

***BOLD** numbers indicate that the configuration meets DLO standards.



Delta Intelligent Building Technologies

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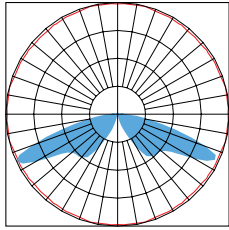
LED Luminaire



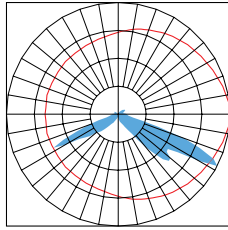
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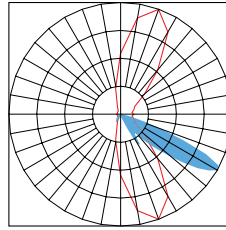
Light Distribution Types



SY Type V

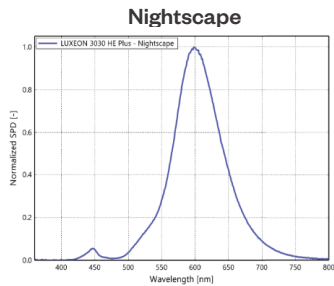
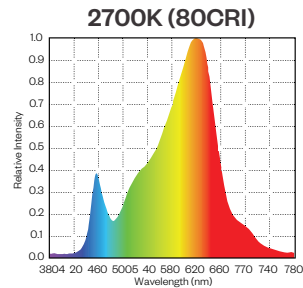
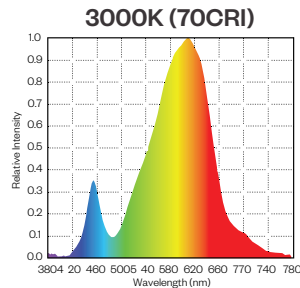
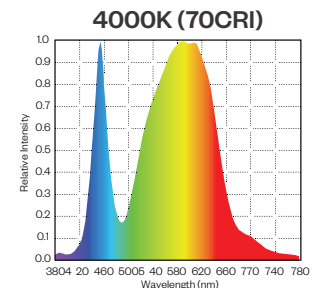


AS Type IV



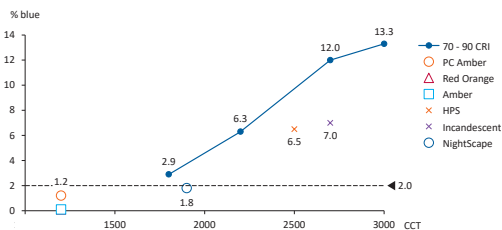
SO Type III

Spectral Power Distribution



Nightscape (NS) Technology

- Unique spectral distribution that delivers highest flux while emitting <2% light of blue.
- The Nightscape (*low blue*) Avista is powered by Luxeon 3030 HE Plus which delivers high efficacy and superior life span.



Blue radiation (microWatt, 400-500nm) per lumen

