

AR20 Series

Utility LED Luminaire



PROJECT:

TYPE:

Features

Decorative lighting for residential roadway and commercial property, where independent fixture control is desired. 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 square head, 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
- 7 pin twistlock receptacle included (*photocell optional*)
- Optional 3 pin twistlock receptacle available, consult factory
- 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
- Twistlock photocell
- Optional onboard field selectable output switch for dimming

ETL listed, suitable for wet locations.



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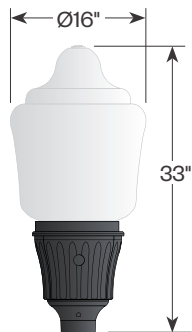
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Ordering Information

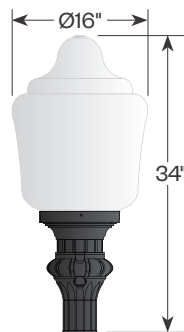
AVI-G3							
1	2	3	4	5	6	7	8
1 Model	2 Diffuser Material - Color	3 LED System	4 Light Distribution	5 CCT	6 Power Level	7 Finish	8 Accessories
DUF1-AR20 DUF4-AR20 DUF34-AR20 DUF37-AR20	PC-CL clear textured polycarbonate DR-CL clear textured DR acrylic	AVI-G3 Avista light engine, standard model	SY symmetrical 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 <i>120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.</i>	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 TW-PCL twistlock photocell 3PIN 3-pin twistlock receptacle FSO field selectable output <i>(to allow manual dimming, not available for use with the standard 7 pin receptacle)</i> <i>Note: All fitters include a 7-pin twistlock receptacle and an access door with window for the photocell. The photocell device is optional.</i>

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

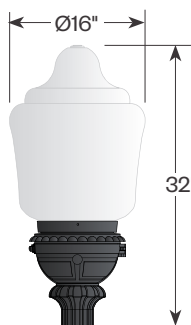
Product Details



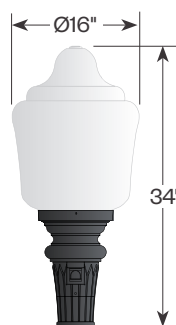
DUF1-AR20



DUF4-AR20

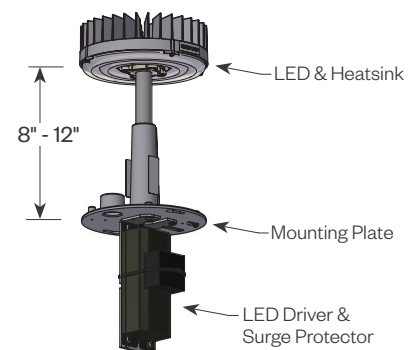


DUF34-AR20



DUF37-AR20

Avista Light Engine



AVI-G3

Weight: 6.2 - 6.6 lbs*

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



Delta Intelligent Building Technologies

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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	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	2607	88	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	4533	104	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	3745	86	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	6072	100	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	5017	83	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	8133	95	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	6720	79	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.



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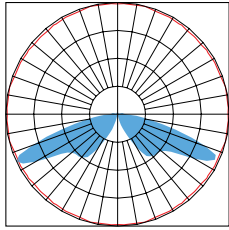
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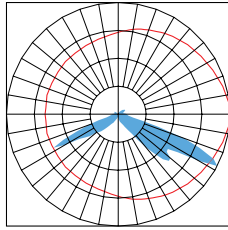
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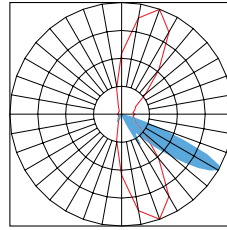
Light Distribution Types



SY Type V

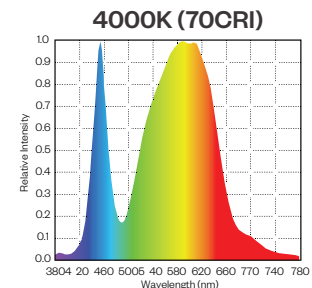
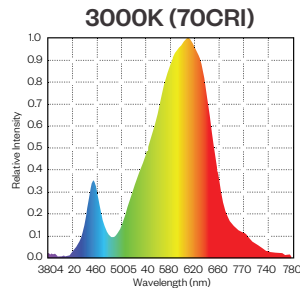
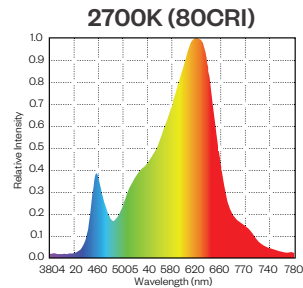
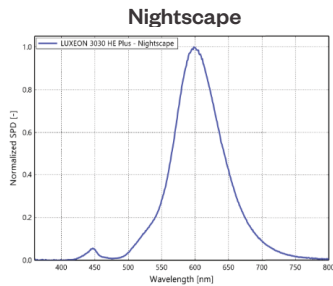


AS Type IV



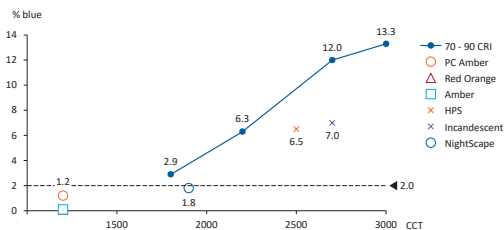
SO Type III

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

