D623

LED Luminaire

PROJECT: **TYPE:**

Features

The D623 Luminaire is a versatile six sided post top lantern that is best suited for poles approximately 12' or less in height. Powered by the Amerlux patented AVISTA® LED system with options for intensity, distribution and color.

D623

Product Overview

Wattage:	30W, 44W, 60W, 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
EPA:	1.81

Certifications

5 year limited warranty AMERLUX LED

POWDER COATED TOUGH™

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.

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

Lenses:
- Clear Acrylic
- Textured Acrylic

Distribution:
- Symmetric
- Asymmetric
- Street Optic

CCT, 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:
- Dusk-to-dawn button type photocell
- Controls Capable Harness
- Integrated 7-pin NEMA receptacle
- Optional onboard field selectable output switch for dimming

ETL listed, suitable for wet locations.

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PROJECT:	TYPE:

Ordering Information

D623 . _____ . AVI-G3-U . _____ . _____ . _____ . _____ . _____ . _____

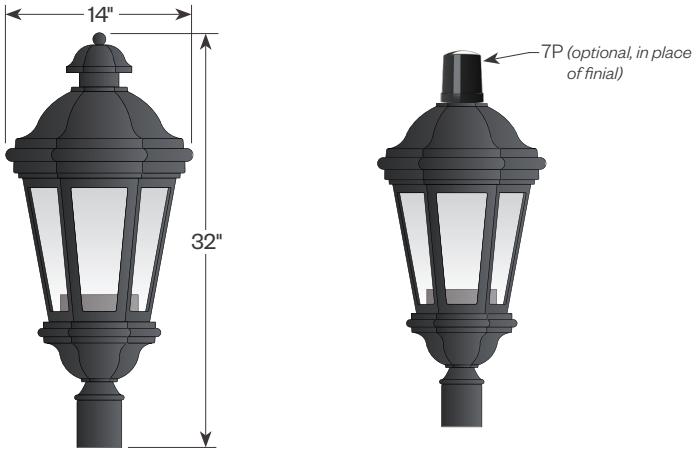
1 2 3 4 5 6 7 8

1 Model	2 Lens	3 LED System	4 Light Distribution	5 CCT
D623	**CA** clear acrylic **TA** textured acrylic	**AVI-G3-U** Avista light engine, multi-fit model	**SY** symmetrical **AS** asymmetrical **SO** street optic	**27** 2700K **30** 3000K **40** 4000K **NS** 1900K *(Nightscape, see pg 4 for details)*

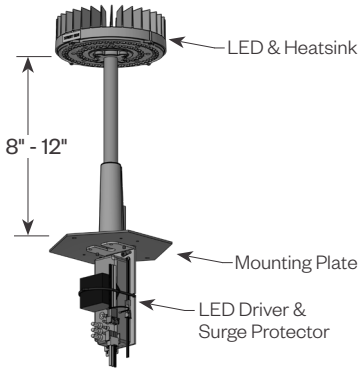
6 Power Level	7 Finish	8 Accessories
P1 *(30W)* **P2** *(44W)* **P3** *(60W)* **P4** *(86W)* ***120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.***	**BLK** satin black **CLB** classic bronze **GBZ** gloss textured bronze **GRN** green **GTB** gloss textured black **TBK** textured black **TGR** gloss textured green **CSTM** custom	**PCL** dusk-to-dawn button type photocell *(not available for use with CCH)* **CCH** controls capable harness *(not available for use with PCL or FSO)* **7P** fixture integrated 7-pin NEMA receptacle *(in place of finial, to allow installation of a wireless control node for operation on the SmartSite or other control platform, not available for use with FSO)* **FSO** field selectable output option to allow manual dimming *(not available for use with CCH or 7P)*

***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 Details



To upgrade existing D623 luminaires to the AVI-G3 light engine specify: AVI-G3-U.xx.xx.xx.623PLT

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PROJECT:	TYPE:

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 Envgine LPW
AVI-G3	SY	27	P1	30	3651	122.9
		30			4034	135.8
		40			4246	143.0
		NS			3445	116.0
	AS	27			3505	118.0
		30			3872	130.4
		40			4076	137.2
		NS			2859	96.0
	SO	27			3296	111.0
		30			3579	120.5
		40			3883	130.7
		NS			3056	102.9
	SY	27	P2	44	5245	119.2
		30			5794	131.7
		40			6099	138.6
		NS			4948	113.0
	AS	27			5035	114.4
		30			5562	126.4
		40			5855	133.1
		NS			4107	94.0
	SO	27			4654	105.8
		30			5141	116.8
		40			5412	123.0
		NS			4390	100.5
	SY	27	P3	60	7026	116.1
		30			7762	128.3
		40			8170	135.0
		NS			6628	110.0
	AS	27			6745	111.5
		30			7451	123.2
		40			7843	129.6
		NS			5502	91.0
	SO	27			6235	103.1
		30			6887	113.8
		40			7249	119.8
		NS			5881	97.2
	SY	27	P4	86	9411	109.4
		30			10394	120.9
		40			10943	127.2
		NS			8878	104.0
	AS	27			9035	105.1
		30			9980	116.0
		40			10505	122.2
		NS			7369	86.0
	SO	27			8595	99.9
		30			9494	110.4
		40			9994	116.2
		NS			8108	94.8

Approximate lumens delivered from raw light engine.

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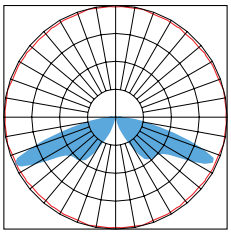
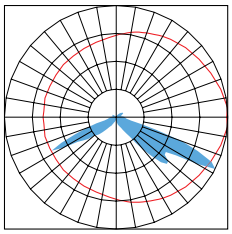
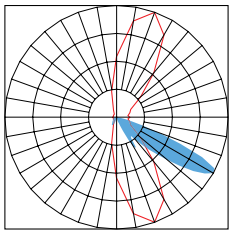
Light Distribution Types



SY Type V



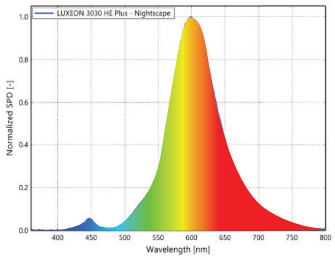
AS Type IV



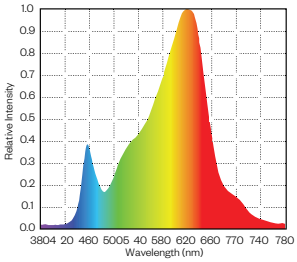
SO Type III

Spectral Power Distribution

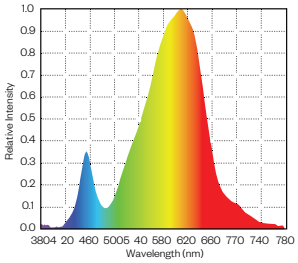
Nightscape



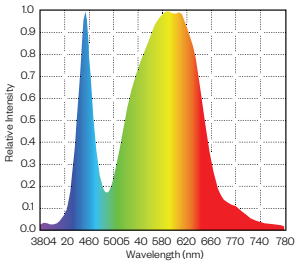
2700K (80CRI)

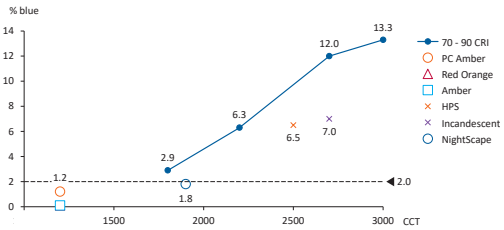
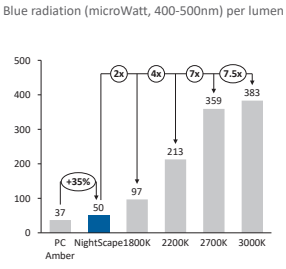
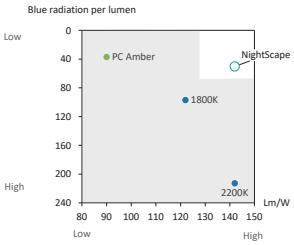


3000K (70CRI)



4000K (70CRI)



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.