

D701

LED Luminaire



PROJECT:

TYPE:

Features

The D701 is a high performance luminaire designed around an efficient Type III (T3) or Type V (T5) refractive lens. The spun aluminum hood minimizes light in the upper hemisphere. 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 (<i>Nightscape</i>)
Dimming:	0-10V dimming Manual onboard dimming option available
EPA:	1.89



D701

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:

- Acrylic Type III
- Acrylic Type V
- Polycarbonate Type III
- Polycarbonate Type V

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
- Optional onboard field selectable output switch for dimming
- Wireless control option

ETL listed, suitable for wet locations.

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PROJECT:

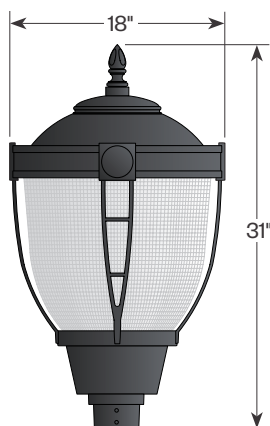
TYPE:

Ordering Information

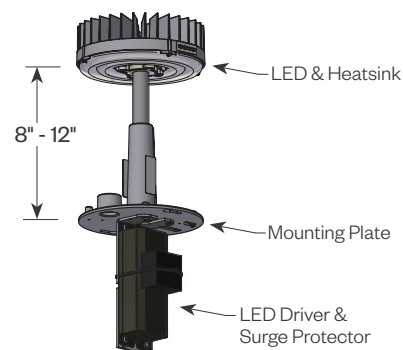
D701		AVI-G3-SY				
1	2	3	4	5	6	7
1 Model	2 Diffuser Material - Distribution	3 LED System	4 CCT	5 Power Level	6 Finish	7 Accessories
D701	AC-T3 acrylic type III AC-T5 acrylic type V PC-T3* polycarbonate type III PC-T5* polycarbonate type V <i>* Options to be discontinued 12/31/25.</i>	AVI-G3-SY Avista light engine, with symmetrical distribution	27 2700K 30 3000K 40 4000K NS 1900K (<i>Nightscape</i> , see pg 4 for details)	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	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>) <i>Consult factory for SmartSite integrated wireless control option (SSINT-1)</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.



PROJECT:

TYPE:

Performance Data - Engine Only

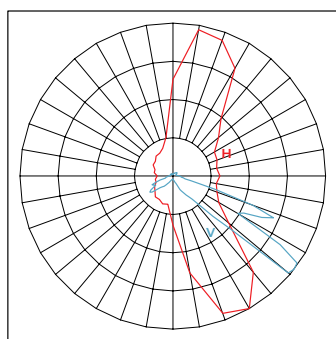
Multiplying Factors: (Multiplying Factor is based on 3000K IES file on website)

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

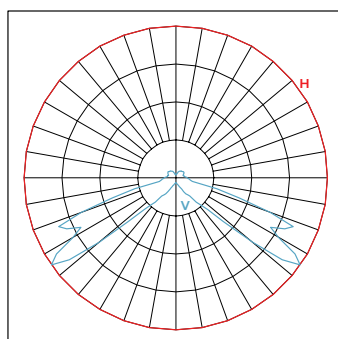
Model	CCT	Power Level	System Watts	LED Engine Lumens	LED Engine LPW
AVI-G3-SY	27	P1	30	3651	122.9
	30			4034	135.8
	40			4246	143.0
	NS			3445	116.0
	27	P2	44	5245	119.2
	30			5794	131.7
	40			6099	138.6
	NS			4948	113.0
	27	P3	60	7026	116.1
	30			7762	128.3
	40			8170	135.0
	NS			6628	110.0
	27	P4	86	9411	109.4
	30			10394	120.9
	40			10943	127.2
	NS			8878	104.0

Approximate lumens delivered from raw light engine.

Typical Light Distribution



T3 Diffuser

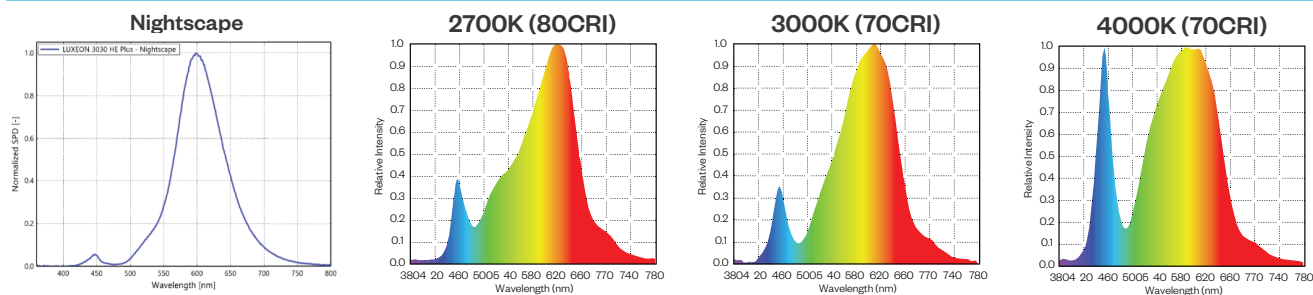


T5 Diffuser

PROJECT:

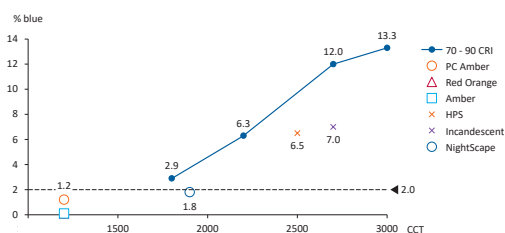
TYPE:

Spectral Power Distribution

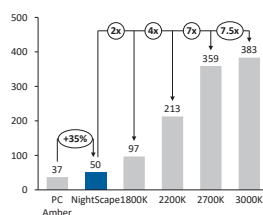


Nightscape (NS) Technology

- 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



Blue radiation per lumen

