

# D480 Series

## LED Luminaire



PROJECT:

TYPE:

### Features

The D480 Series is a large scale traditionally styled eight sided cast aluminum spiked lantern. 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



D48x

### 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

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

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

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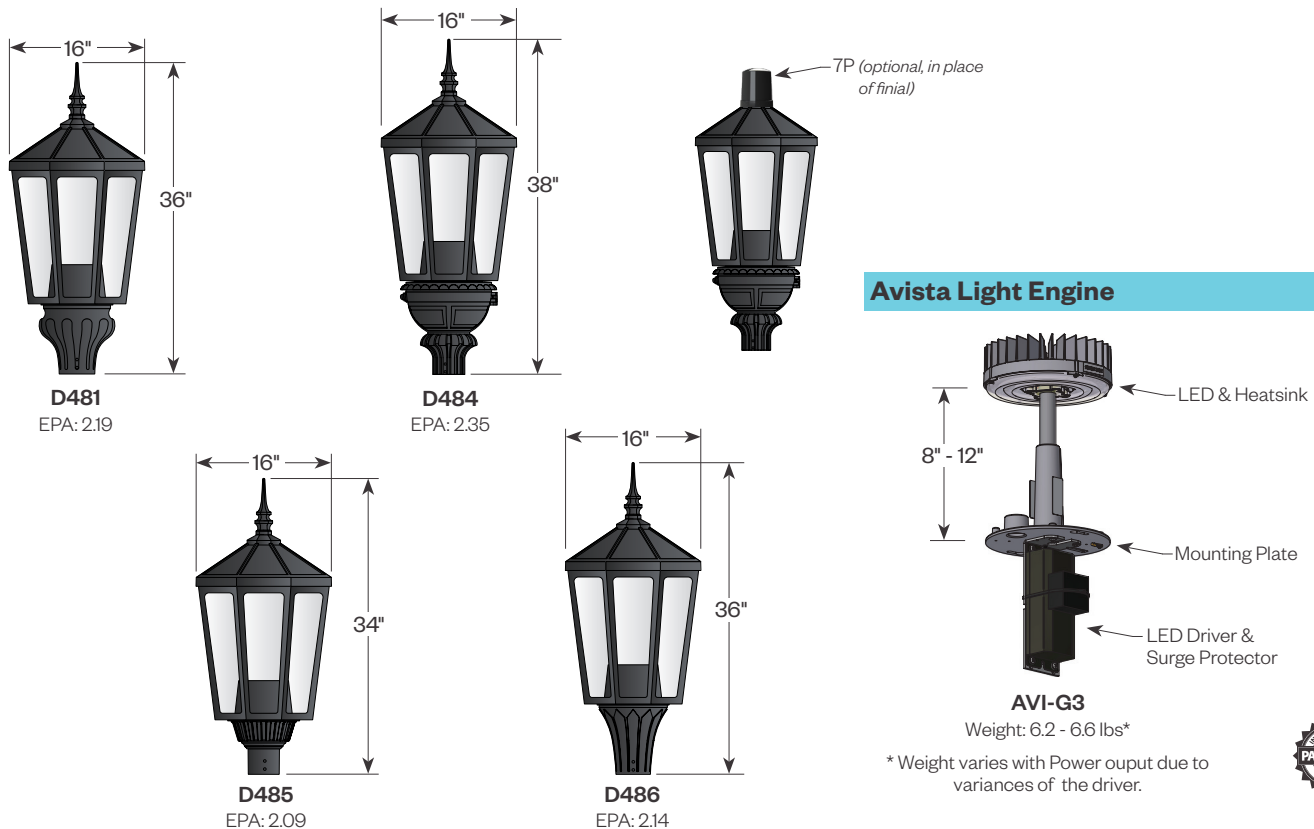
TYPE:

## Ordering Information

AVI-G3									
1	2	3	4	5	6	7	8		
<b>1 Model</b>	<b>2 Lens</b>	<b>3 LED System</b>	<b>4 Light Distribution</b>	<b>5 CCT</b>					
D481	CA clear acrylic	AVI-G3 Avista light engine, standard model	SY symmetrical	27 2700K					
D484	TA textured acrylic		AS asymmetrical	30 3000K					
D485			SO street optic	40 4000K					
D486				NS 1900K ( <i>Nightscape, see pg 4 for details</i> )					
<b>6 Power Level</b>	<b>7 Finish</b>	<b>8 Accessories</b>							
P1 (30W)	BLK satin black	PCL dusk-to-dawn button type photocell ( <i>not available for use with CCH</i> )							
P2 (44W)	CLB classic bronze	CCH controls capable harness ( <i>not available for use with PCL or FSO</i> )							
P3 (60W)	GBZ gloss textured bronze	7P fixture integrated 7-pin NEMA receptacle ( <i>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</i> )							
P4 (86W)	GRN green								
<i>120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.</i>				FSO field selectable output option to allow manual dimming ( <i>not available for use with CCH or 7P</i> )					
				Consult factory for SmartSite integrated wireless control option (SSINT-1)					
	GTB gloss textured black								
	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.

## Product Details



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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
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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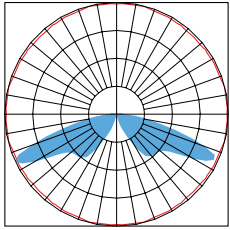
LED Luminaire



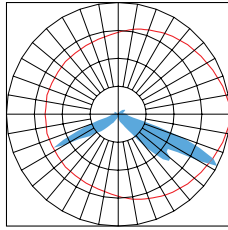
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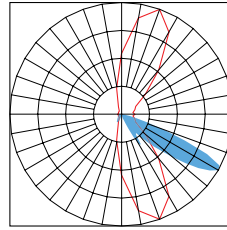
## Light Distribution Types



SY Type V

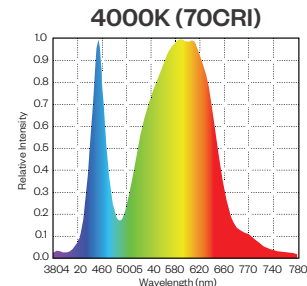
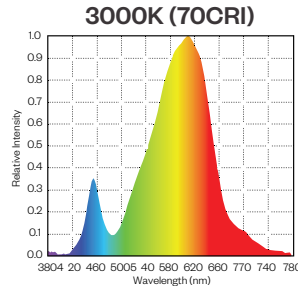
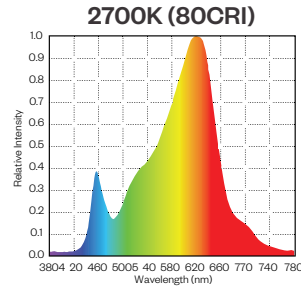
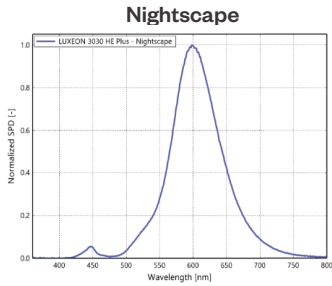


AS Type IV



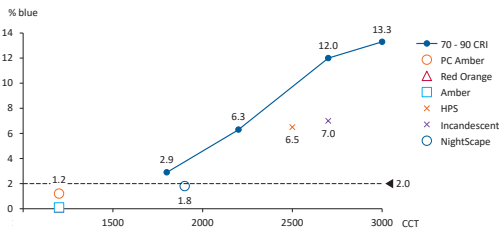
SO Type III

## Spectral Power Distribution

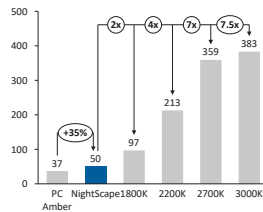


## Nightscape (NS) Technology

- 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



Blue radiation per lumen

