

Avista®

LED Light Engine

Patent Protected



Features

As LEDs change and improve, so does Avista with a second generation of LEDs, optics, and drivers.

The Avista is designed to integrate into almost any post top luminaire as a powerful, energy efficient, and long lasting LED system. Avista provides various options for intensity, distribution and color to make the transition seamless and fit the application perfectly.

Product Overview

Wattage:	up to 68W
Lumen Output:	up to 7,500 lm
Color Temp:	2,700K / 3,000K / 4,000K
Diameter:	Ø6.85 inches
Dimming:	0-10V

Control-ready option is available.

PROJECT:

TYPE:

Application:

LED Light engine for use in post top mount area and pedestrian environments. Designed for new fixtures or existing as a retrofit.

Installation:

Height adjustable light engine can be field set for optimal performance. LED retrofit kit mounts to many existing luminaires.

Electrical:

- Over voltage and short circuit protected driver
- Series connected 10kV/20kA surge protector
- Universal input voltage 120-277 VAC (50/60Hz)
- 0-10V dimming

Construction:

- Anodized Aluminum Heat Sink
- Fully sealed LED optical chamber
- Acrylic Lens

Accessory:

- MFP** - Multi-fit plate
- CSTM** - Custom plate
- 7IR** - 7 pin integrated receptacle
- CCH** - Controls Capable Harness

Distribution:

- SY** - Symmetric
- AS** - Asymmetric
- SO** - Street Optic (Type 3)

L70:

50,000+

CCT:

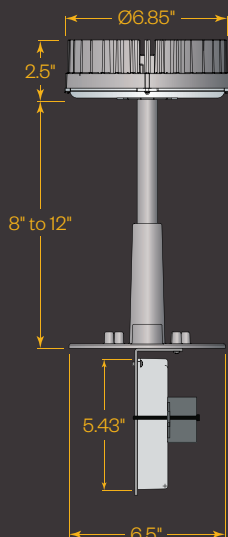
- 27** - 2,700K
- 30** - 3,000K
- 40** - 4,000K

Efficacy:

Up to 126 lumens/watt

Drive Current:

- 500M** - 500mA
- 700M** - 700mA
- 1200M** - 1200mA



Ordering Information



Add additional accessories as needed.

- 1** Model
AVI2 - Standard model
AVI2-T - Tall model
AVI2-U - Multi-fit model
AVI2-U-T - Multi-fit Tall model
AVI2-P - Pendant model
AVI2-K/V - K/V mount

- 2** Light Distribution
SY - Symmetric
AS - Asymmetric
SO - Street Optic

- 3** CCT
27 (2,700K)
30 (3,000K)
40 (4,000K)

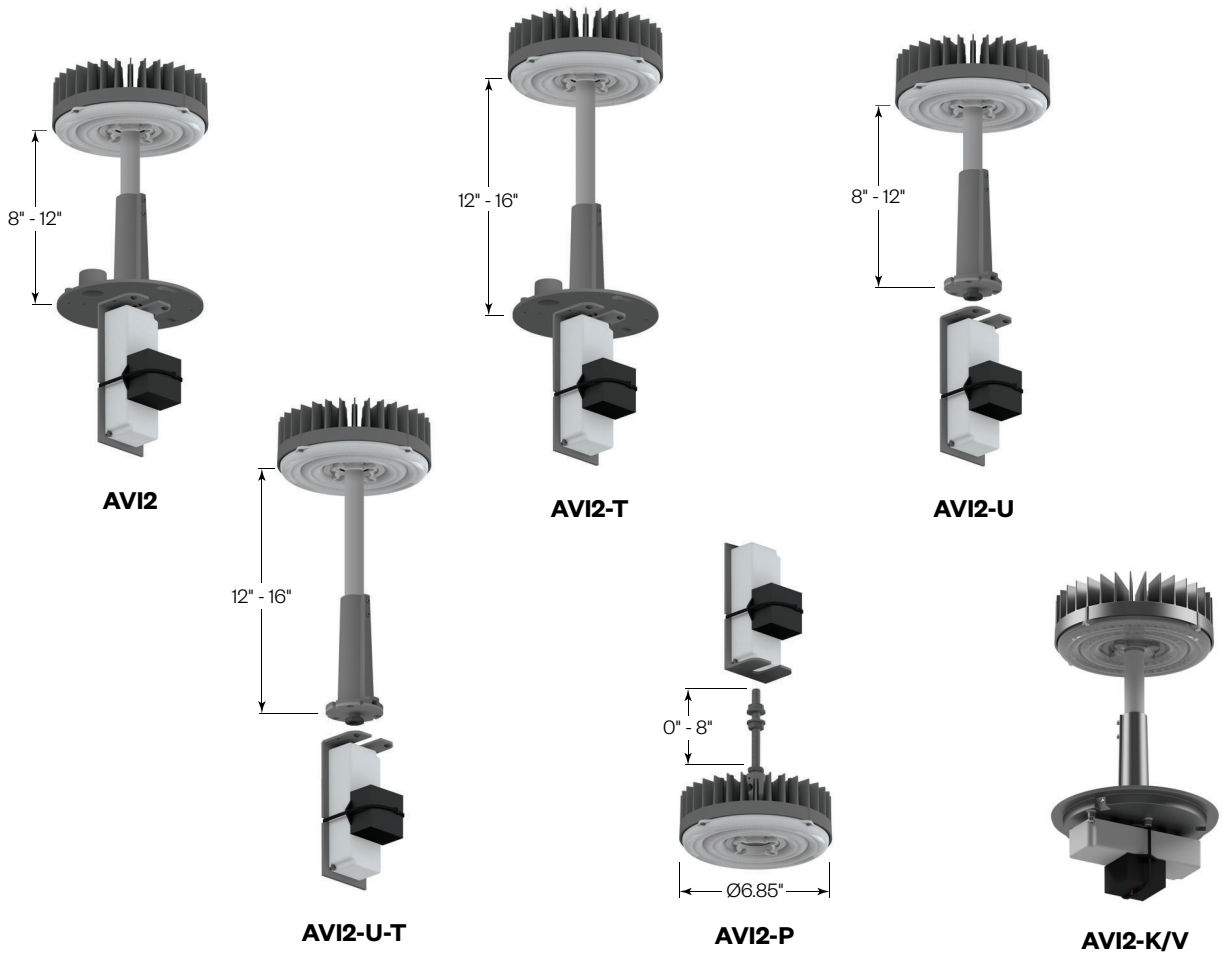
- 4** Drive Current
500M - 500mA
700M - 700mA
1200M - 1200mA

- 5** Accessory
MFP - Multi-fit plate (for use with AVI2-U, -U-T & AVI2-P models only)
CSTM - Custom plate
7IR - 7 pin integrated receptacle
CCH - Controls Capable Harness

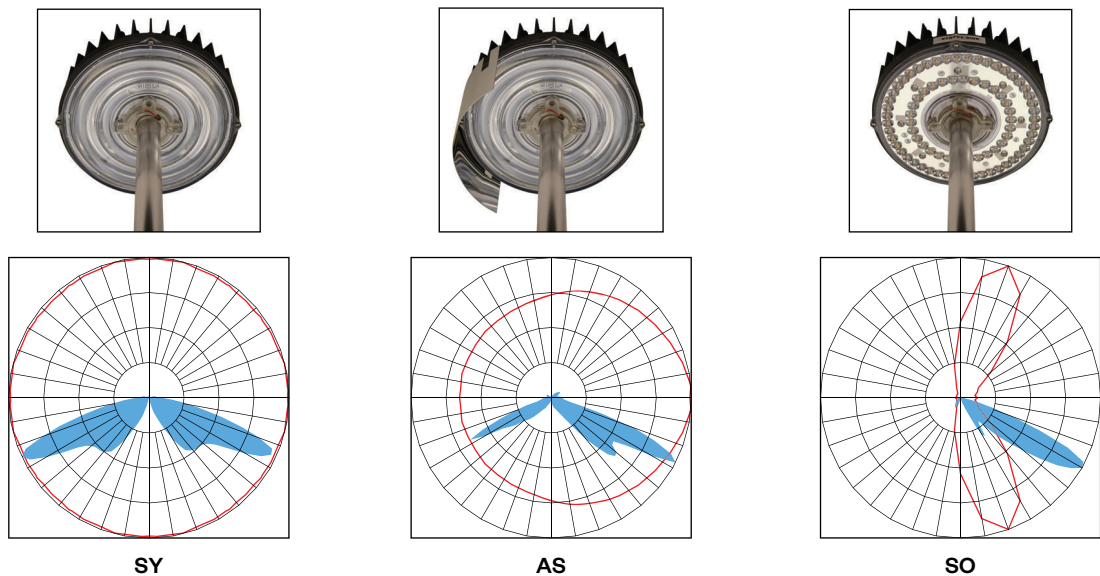
PROJECT:

TYPE:

Standard Models



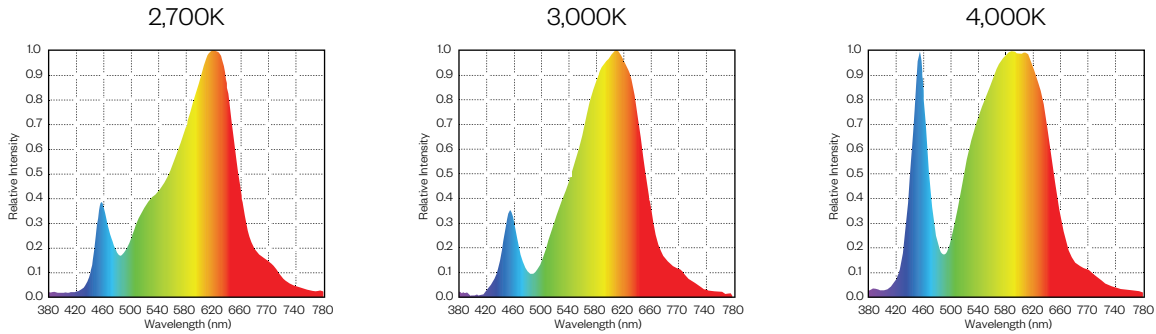
Light Distribution Types



PROJECT:

TYPE:

Spectral Power Distribution



Performance Chart

Drive Current	System Watts	Light Distribution	CCT	Engine Only Lumens	Engine Only LPW	DLC Globe Lumens	DLC Globes LPW	BUG Rating
500M 500mA	27W	SY Symmetric	2,700K	3,030 lm	112	2,270 lm	84	2-3-2
			3,000K	3,120 lm	116	2,880 lm	107	2-3-2
			4,000K	3,420 lm	126	3,150 lm	117	2-3-2
		AS Asymmetric	2,700K	2,910 lm	108	2,200 lm	81	1-3-1
			3,000K	3,000 lm	111	2,770 lm	103	1-3-1
			4,000K	3,140 lm	116	2,900 lm	107	1-3-1
		SO Street Optic	2,700K	2,980 lm	110	2,440 lm	82	1-3-1
			3,000K	3,060 lm	113	2,830 lm	105	
			4,000K	3,220 lm	119	2,980 lm	110	
700M 700mA	38W	SY Symmetric	2,700K	4,120 lm	109	3,100 lm	81	2-3-2
			3,000K	4,240 lm	112	3,870 lm	103	2-3-2
			4,000K	4,640 lm	123	4,240 lm	112	2-3-2
		AS Asymmetric	2,700K	3,790 lm	100	2,990 lm	60	1-3-1
			3,000K	3,900 lm	103	3,610 lm	96	
			4,000K	4,090 lm	108	3,780 lm	100	
		SO Street Optic	2,700K	4,010 lm	106	3,290 lm	86	1-3-1
			3,000K	4,130 lm	109	3,820 lm	101	1-3-1
			4,000K	4,330 lm	115	4,010 lm	106	1-3-1
1200M 1200mA	68W	SY Symmetric	2,700K	6,110 lm	90	*	*	*
			3,000K	7,260 lm	107	6,720 lm	99	3-3-3
			4,000K	7,530 lm	111	6,970 lm	103	3-3-3
		AS Asymmetric	2,700K	5,690 lm	84	*	*	*
			3,000K	6,990 lm	103	6,470 lm	96	
			4,000K	7,320 lm	108	6,770 lm	100	
		SO Street Optic	2,700K	5,820 lm	86	*	*	*
			3,000K	7,140 lm	106	6,610 lm	98	
			4,000K	7,500 lm	111	6,940 lm	103	

Approximate lumens delivered from raw light engine.

*These models are not DLC listed.

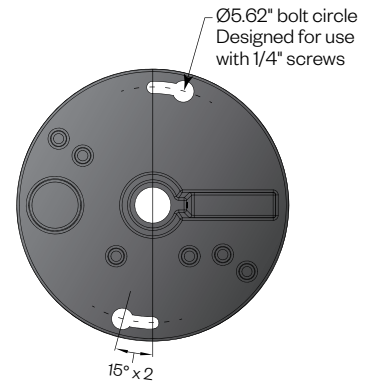
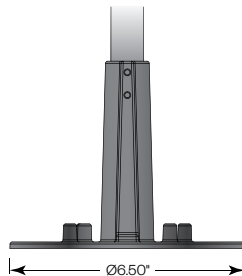
PROJECT:

TYPE:

AVI2 and AVI2-T Standard Mounting Plate



Includes one piece cast aluminum mounting plate with a height adjustable stem.

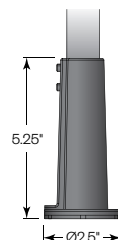


AVI2-U and AVI2-U-T Mounting Options

Mounting plate is not provided unless specified.

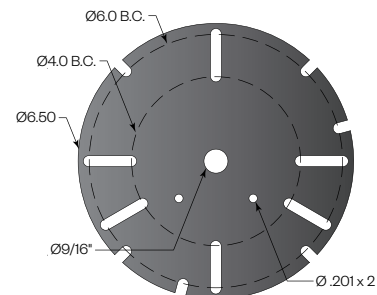


Optional
Mounting
Plate

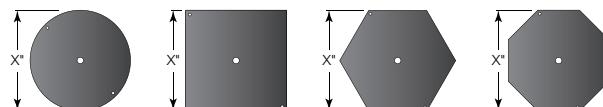


MFP (Optional plate)

Allows for various screw patterns and configurations.

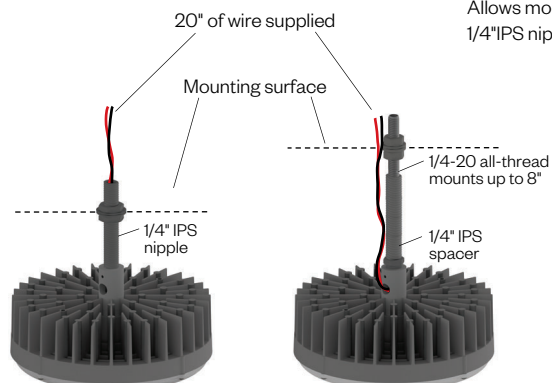
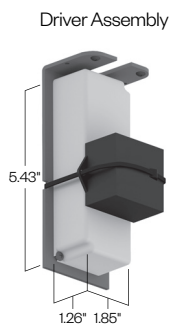


Custom Mounting Plates (consult factory)



AVI2-P Assembly

Designed for pendant application.



Allows mounting with
1/4"IPS nipple and 1/4-20 all-thread

Hardware Contents:

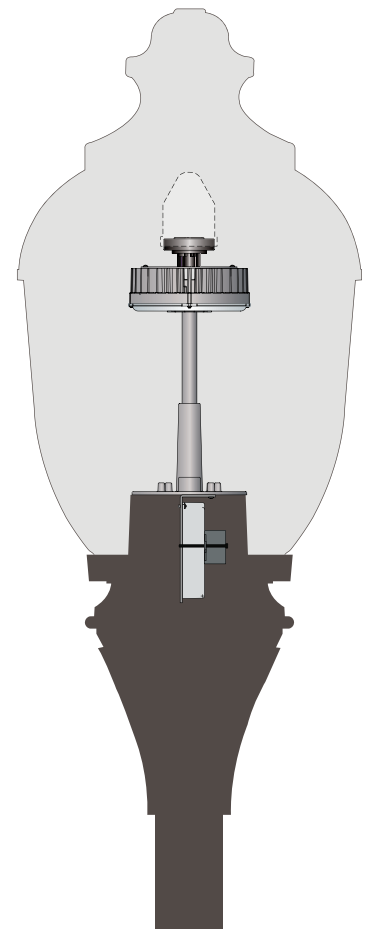
- (4) 1/4" IPS nipple 1", 2", 4", 6"
- (2) 1/4" IPS nuts
- (2) 1/4" Washer
- (1) 1/4-20x8 all-thread
- (2) 1/4-20 nuts
- (2) 1/4-20 washer
- (1) 1/4" IPS to 1/4-20 adapter

7-PIN Control-ready Option (7IR)

A 7-PIN Control-ready option for Avista enables wireless control technology. An integral 7-pin NEMA receptacle is combined with our patented LED post-top retrofit designed for operation in a wireless mesh network. The Avista using a wireless control system, could be suitable for a broad range of outdoor applications allowing for optimization energy savings, enhanced lighting asset management and improved maintenance and repair operations.

Requirements:

- Shorting cap required prior to control system installation
- Check luminaire clearances for AVI and control system prior to installation
- If the control system includes a photocell, attention should be paid to the type of luminaire. Reflections of light inside the globe could turn the luminaire off.
- Design for use with wireless node rated $\geq 70^{\circ}\text{C}$



PROJECT:

TYPE:

Controls-capable Wiring Harness (CCH)

A Controls-capable Wiring Harness option for Avista is enabled for future wireless control technology. A separate control wiring harness is included and can be used for installation of a future control system.

- Ready for future intelligent control node, providing dimming, power metering, and outage notification.
- Includes wiring harness for flexible convenient installation of future control systems.

