

ARP23 Series

LED Luminaire



PROJECT:

TYPE:

Features

Lighting for exterior retail, commercial and hospitality environments. The ARP23 Series consists of an efficient Type III (T3) or Type V (T5) refractive 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 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:

- Cast aluminum finial
- Dusk-to-dawn button type photocell
- Controls Capable Harness
- Solid Light Lid
- Integrated 7-pin NEMA receptacle
- Optional onboard field selectable output switch for dimming
- Wireless control option

ETL listed, suitable for wet locations.



Delta Intelligent Building Technologies

ARP23 Series

LED Luminaire



PROJECT:

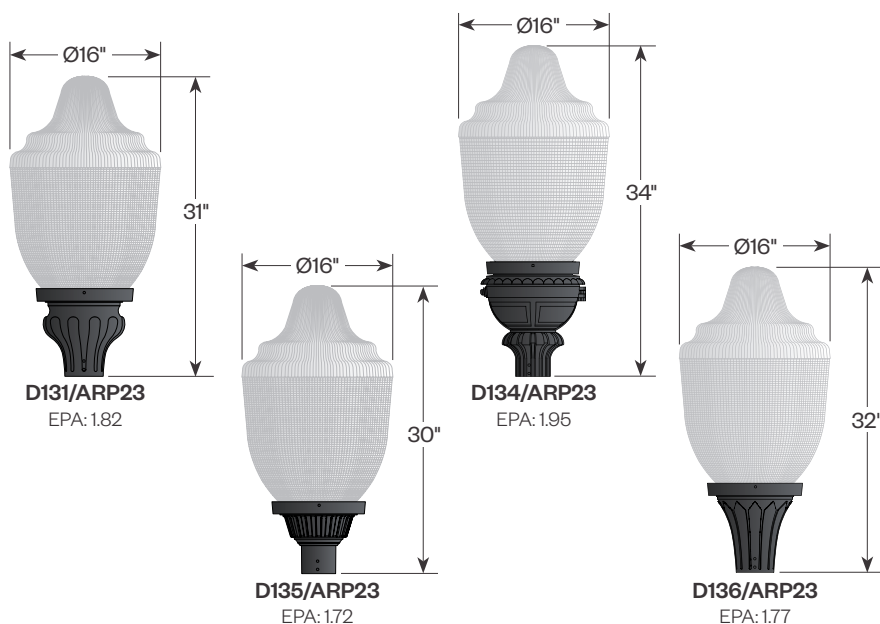
TYPE:

Ordering Information

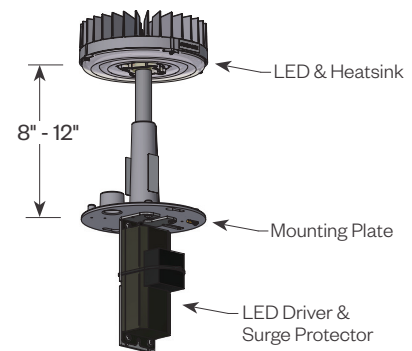
| AVI-G3-SY | | | | | | | |
|-----------|--|---|--|---|--|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 1 | Model | 2 | Diffuser Material - Distribution | 3 | LED System | 4 | CCT |
| | D131/ARP23 | | AC-T3 acrylic type III | | AVI-G3-SY Avista light engine with symmetrical distribution | | 27 2700K |
| | D134/ARP23 | | AC-T5 acrylic type V | | | | 30 3000K |
| | D135/ARP23 | | PC-T3* polycarbonate type III | | | | 40 4000K |
| | D136/ARP23 | | PC-T5* polycarbonate type V | | | | NS 1900K (Nightscape, see pg 4 for details) |
| | | | * Options to be discontinued 12/31/25. | | | | |
| 5 | Power Level | 6 | Finish | 7 | Accessories | | |
| | P1 (30W) | | BLK satin black | | CFIN cast aluminum finial | | |
| | P2 (44W) | | CLB classic bronze | | PCL dusk-to-dawn button type photocell (not available for use with CCH or 7IR) | | |
| | P3 (60W) | | GBZ gloss textured bronze | | CCH controls capable harness (not available for use with PCL, 7IR or FSO) | | |
| | P4 (86W) | | GRN green | | SLL solid light lid (not available for use with 7IR) | | |
| | 120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option. | | GTB gloss textured black | | 7IR light engine integrated 7-pin NEMA receptacle (to allow installation of a wireless control node for operation on the SmartSite or other control platform; not available for use with PCL, CCH, SLL or FSO) | | |
| | | | TBK textured black | | FSO field selectable output option to allow manual dimming (not available for use with CCH or 7IR) | | |
| | | | TGR gloss textured green | | Consult factory for SmartSite integrated wireless control option (SSINT-1) | | |
| | | | CSTM custom | | | | |

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.



ARP23 Series

LED Luminaire



PROJECT:

TYPE:

Performance Data

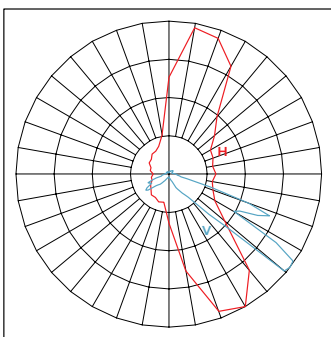
Multiplying Factors: (Multiplying Factor is based on 3000K IES file on website)

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

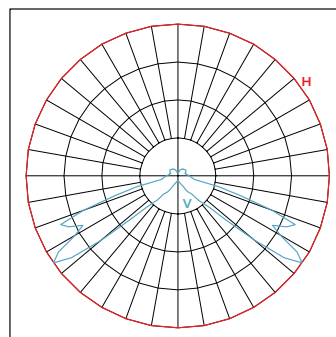
| Model | CCT | Power Level | System Watts | LED Engine Lumens | LED Engine LPW |
|-----------|-----|-------------|--------------|-------------------|----------------|
| AVI-G3-SY | 27 | P1 | 30 | 3651 | 122.9 |
| | 30 | | | 4034 | 135.8 |
| | 40 | | | 4246 | 143.0 |
| | NS | | | 3445 | 116.0 |
| | 27 | 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

ARP23 Series

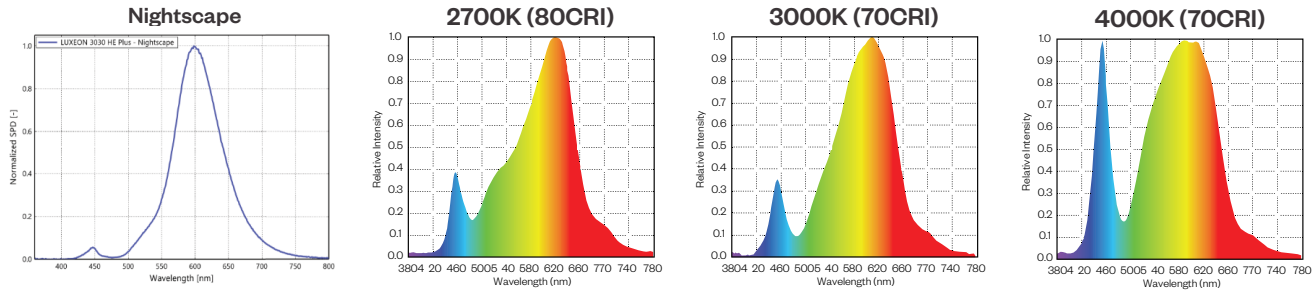
LED Luminaire



PROJECT:

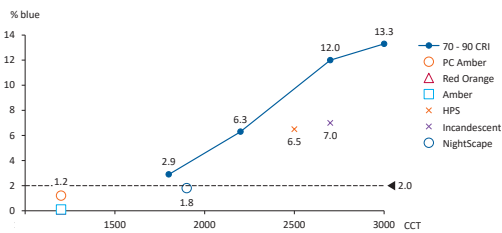
TYPE:

Spectral Power Distribution

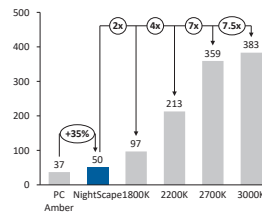


Nightscape (NS) Technology

- 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

