

# ARIA Bollard LED Specifications



Project Name:

Catalog Number:

Type:

The Aria family of architectural bollards combines contemporary styling with durable, vandal-resistant construction and smooth, low-level, 360-degree LED illumination.

Available with cutoff optics, the Aria is an excellent choice for walkways, entrances, promenades, plazas, courtyards, driveways and landscaped areas.

Choose the low-profile-top ARB-1, or the dome-top ARB-2 to create an architecturally pleasing look, perfect for any green application.

## Ordering Information

| MODEL | OPTICS | SOURCE | CURRENT | KELVIN | VOLTAGE                         | MOUNTING   | FINISH       | OPTIONS                   |
|-------|--------|--------|---------|--------|---------------------------------|--|--------------|---------------------------|
| ARB-1 | T1     | 20LC   | 3       | 3K     | UNV<br><small>*120-277V</small> | AB<br>Anchor Base<br>(ANCHOR BOLT<br>KIT SUPPLIED) | BZ           | VRH                       |
| ARB-2 | T2     |        | 350mA   | 3000K  |                                 |  | BK           | VRB                       |
|       | T3     |        | 5       | 4K     |                                 |  | Black        | Vandal Resistant Hardware |
|       | T4     |        | 530mA   | 4000K  |                                 |  | SBK          | Vandal Resistant Base     |
|       | T5     |        | 7       | 5K     |                                 |  | Smooth Black |                           |
|       | T5W    |        | 700mA   | 5000K  |                                 |  | WH           | White                     |
|       |        |        |         | SWH    | Smooth White                    |  |              |                           |
|       |        |        |         | GP     | Graphite                        |  |              |                           |
|       |        |        |         | GY     | Grey                            |  |              |                           |
|       |        |        |         | SL     | Silver Metallic                 |  |              |                           |
|       |        |        |         | CC     | Custom Color                    |  |              |                           |

### Housing

Cast aluminum top housing is 12" in diameter, and supported by two polished aluminum bars. Bottom housing is an 8" diameter, extruded aluminum shaft. A heavy-duty cast aluminum base plate concealed within the shaft is designed for standard anchor bolt mounting. 3/8" x 12" galvanized anchor bolts provided. A Vandal-Resistant Base option is available.

### Thermal Management

The Aria Bollard Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the Aria Bollard Series to withstand higher ambient temperatures and drive currents without degrading LED life. The Aria Bollard Series has a very low thermal resistance rating.

The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The Premier Bollard Series LEDs have been determined to last a minimum of 100,000+ hours in 25° C environments when driven at 175 mA.

### Optical System

The highest lumen output LEDs are utilized in the Aria Bollard Series. IES distribution Types I, II, III, IV, V and V-W are available. LED light assemblies come in 20 LEDs. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution. CRI values are 70.

### Quali-Guard® Finish

The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 mil thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors. Finish is guaranteed for five (5) years.

### Mounting

The Aria Bollard Luminaire is easily mounted with anchor bolt kit.

### Electrical Assembly

The Aria Bollard Series is supplied with a choice of 175, 350, 530 or 700 mA high-performance LED drivers that accept 120v 50 Hz to 60 Hz, input. -40° to 40° C operating temperature.

- 10 kV surge protector supplied as standard.

### Warranty

Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit [VisionaireLighting.com](http://VisionaireLighting.com).

### Options

- Vandal Resistant Hardware
  - Vandal Resistant Base
- 3000K must be selected for IDA certification.

### Listings

- The Aria Bollard is cUL Listed, suitable for wet locations.
- IP-65 Rated
- Powder Coated Tough.
- IDA Certification



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## Photometric Optical Summary

Not all optics are available on all fixtures. Check ordering chart for availability

Type I  
(T1)



Type II  
(T2)



Type III  
(T3)



Type IV  
(T4)



Type VS  
(T5S)



Type VL  
(T5L)



## Dimensions

### ARB-1

**Width:** ARB-1 12"

**Bottom Width:** ARB-1 8"

**Height:** ARB-1 31.75"

**Top Height:** ARB-1 6"

**Overall Height:** ARB-1 42"

### ARB-2

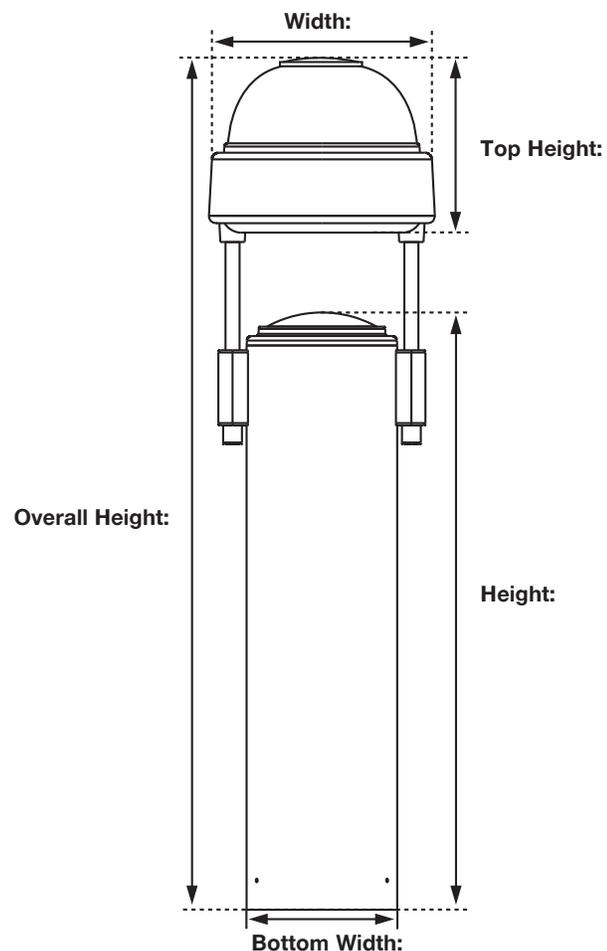
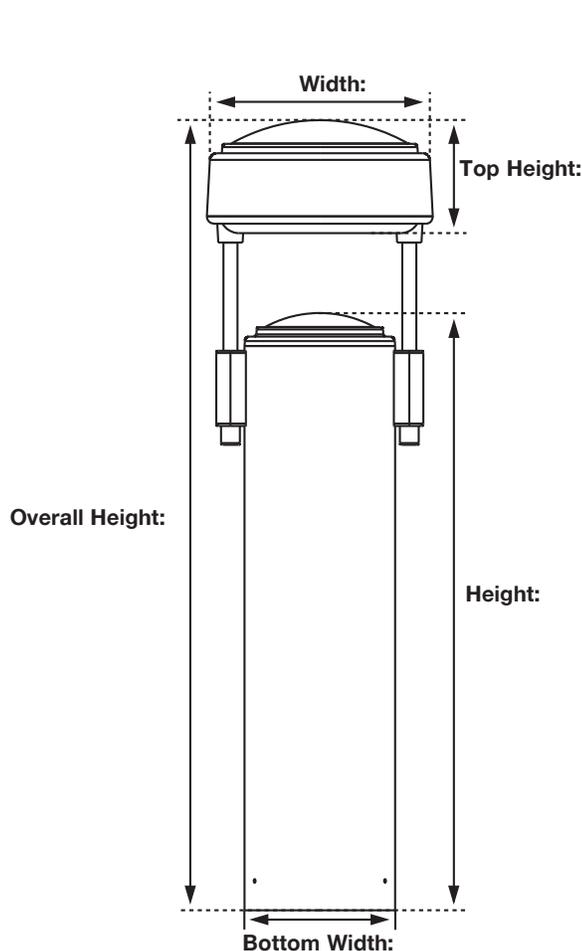
**Width:** ARB-2 12"

**Bottom Width:** ARB-2 8"

**Height:** ARB-2 31.75"

**Top Height:** ARB-2 8.5"

**Overall Height:** ARB-2 44.5"

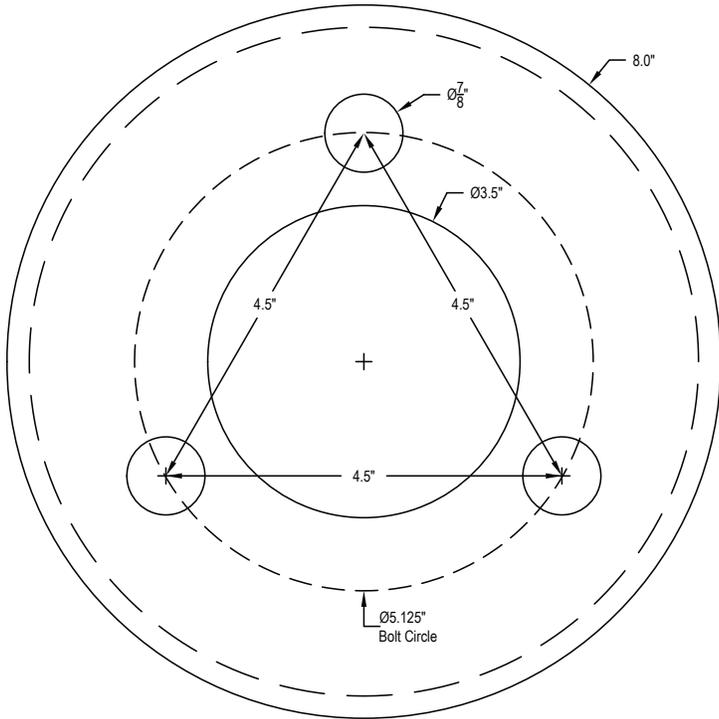


| 3K Lumen Data |     |        |     |        |     |        |     |        |     |        |     |         |     |       |
|---------------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|---------|-----|-------|
| # LEDs        | mA  | Type 1 | LPW | Type 2 | LPW | Type 3 | LPW | Type 4 | LPW | Type 5 | LPW | Type 5W | LPW | Watts |
|               | 350 | 2463   | 112 | 2283   | 104 | 2352   | 107 | 2202   | 100 | 2470   | 112 | 2327    | 106 | 22    |
|               | 530 | 3849   | 113 | 3568   | 105 | 3675   | 108 | 3441   | 101 | 3860   | 114 | 3637    | 107 | 34    |
|               | 700 | 4763   | 106 | 4415   | 98  | 4548   | 101 | 4258   | 95  | 4777   | 106 | 4500    | 100 | 45    |
| 4K Lumen Data |     |        |     |        |     |        |     |        |     |        |     |         |     |       |
|               | 350 | 2593   | 118 | 2404   | 109 | 2476   | 113 | 2318   | 105 | 2600   | 118 | 2450    | 111 | 22    |
|               | 530 | 4052   | 119 | 3756   | 110 | 3869   | 114 | 3622   | 107 | 4063   | 120 | 3828    | 113 | 34    |
|               | 700 | 5014   | 111 | 4648   | 103 | 4787   | 106 | 4482   | 100 | 5028   | 112 | 4737    | 105 | 45    |
| 5K Lumen Data |     |        |     |        |     |        |     |        |     |        |     |         |     |       |
|               | 350 | 2488   | 113 | 2307   | 105 | 2376   | 108 | 2224   | 101 | 2495   | 113 | 2351    | 107 | 22    |
|               | 530 | 3888   | 114 | 3604   | 106 | 3712   | 109 | 3460   | 102 | 3899   | 115 | 3674    | 108 | 34    |
|               | 700 | 4811   | 107 | 4460   | 99  | 4594   | 102 | 4301   | 96  | 4825   | 107 | 4546    | 101 | 45    |

Visit [www.VisionaireLighting.com](http://www.VisionaireLighting.com) for up-to-the-minute chart information.

**BASE DETAIL**

Base Template for 8" Round Bollard



**NOT TO SCALE**

