



Configurations

- Illuminated bollards with a variety of finish and mounting options.
- Vao Bollards and Pedestrian Lighting in 3K are DarkSky Approved.
- Weight: 14.6-16.6 lbs (varies per mounting style)

Construction & Materials

- Stainless steel is standard with a Satin finish and Ceramiloc treatment (details on page 2).
- For optional powdercoat colors see the Forms+Surfaces Powdercoat Chart. Custom RAL colors are available for an upcharge.

LED Light Engine & Driver

- Cree LEDs in 3000K warm white and 4000K natural white color temperatures.
- 15W LED driver is IP64-rated.
- LED driver input power is 120-277 VAC.
- Driver has forward phase, reverse phase, and 0-10 dimming capabilities.

Lens & Visibility

- Bollards feature a clear acrylic lens.
- Symmetrical light distribution.

Installation

- Mounting Options: Low Profile, Sleeve and Surface (details above).
- Installation of a surge protector as part of each unit's wiring is recommended.
- Stainless steel mounting hardware sold separately. Templates available upon request.

Maintenance

- Clean as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.

Model	Luminaires	CRI	CCT	Lumens	Efficacy lm/W	B.U.G. Rating	Distribution	DarkSky Approved
3K	1	90+	3K Warm White	377	30.02	B0-U1-G1	Type V	Yes
4K	1	90+	4K Neutral White	409	30.02	B0-U1-G1	Type V	No

Driver Output Wattage	Max Driver Output Wattage	Max Input Current	Starting Temperature °C
12.02	14.7	0.35 A @ 120-VAC, 0.18 @ 277VAC	-30

Ceramiloc Treatment

Ceramiloc is an invisible surface treatment that offers significantly enhanced protection from weather and graffiti and increases the maintenance ease of stainless steel. Ceramiloc combines ceramic durability with an unparalleled ability to lock out water spots, fingerprints, graffiti and more. Patented technology bonds nano-silica particles to the surface of the stainless steel. The treatment minimally alters the surface appearance of the stainless and offers numerous benefits:

- **Easily Cleaned:** The Ceramiloc treatment creates a surface that simultaneously resists fingerprints and is easy to clean. Water spots, grease marks and more can be quickly wiped away. It also creates an “anti-graffiti” surface – even permanent marker is easily removed with a clean microfiber towel and water.
- **Durable:** Ceramiloc-treated materials are abrasion- and scratch-resistant. The treatment is permanent, UV stable, and will not degrade or discolor over time.
- **Environmentally Sound:** The Ceramiloc treatment is a no-VOC, water-based process. Because Ceramiloc surfaces are so easily maintained, cleaning solutions and maintenance are kept to a minimum.

Environmental Considerations

- Please refer to the Vao Bollard Environmental Data Sheets for detailed environmental impact information.
- Metal components have a long life cycle and are 100% recyclable.
- Standard powdercoat finishes are no-VOC; non-standard powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance; easy to disassemble.

Model Numbers & Descriptions

Model	Description
LBVAO-3K	Vao Bollard, 3K DarkSky Approved
LBVAO-4K	Vao Bollard, 4K

Additional Product Options

- Custom RAL powdercoat color.
- Stainless steel mounting hardware.

Certifications

- ETL and C-ETL listed for wet locations.
- Vao Bollard in 3K is DarkSky Approved.

Lead Time

- 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.