

Annapolis

landscapeforms®

Product Data Sheet



The Annapolis™ Bollard is a handsome sentinel that performs multiple maneuvers with style. Standard Bollard, Smart Bollard and Security Bollard share basic design and construction characteristics, specialize in their features and functions. Annapolis offers distinctive solutions in scope and detail for path making and wayfinding, safety and security in outdoor environments.

Annapolis™ Standard Bollard

- Available in 6" and 12" diameter, with or without low-voltage LED lighting.
- A protective polyethylene sleeve is available in black or silver.
- Embedded, removable, or surface mount bollard styles.
- A keyed lock secures the bollard when in the socket.
- All 6" styles, including 6" removable bollard may be fitted with the Smart bollard top to provide solar powered lighting.
- Removable bollard not available in hardwired.

Annapolis™ Smart Bollard

- Embedded, removable, or surface mount bollard style.
- The monocrystalline solar panel collects energy from the sun and converts it to electrical current.
- Energy is stored in a sealed lead-acid rechargeable battery that delivers extremely reliable power output over a long period of time.
- The microprocessor-based charge controller turns lights on at dusk and off at dawn.
- 4 white LEDs with 3500K correlated color temperature (CCT).

Annapolis™ Security Bollard

- Available in 6" and 12" diameter. 6" dia. security bollard may be specified with Smart solar-powered LED light.
- Security bollard is designed to be permanently embedded with a reinforced footing and internal concrete/steel reinforcement. [Click here](#) for the CAD drawings that show the optional security footing.

Technical Information

	Hardwired	Solar
Lamp	1 Cree LED	4 Nichia LEDs
Color Temp	3500k	3500K
LED Luminous Flux	~10 lumens	~10 lumens
LED Energy Consumption	approximately 3 watts	.43 watt max
Input Voltage	120-277 VAC	n/a
TM21 LED Lifespan	60,000 hours	Up to 60,000 hours
Solar Top	n/a	Tempered Borosilicate glass top with Mono-Crystalline PV cells
Diffused Lens	UV stable impact modified translucent acrylic	UV stable impact modified translucent acrylic
Protection Rating	IP66 for light assembly	IP66 for solar light assembly
Horizontal Output	360°	360°
Average Direct Sunlight Exposure to Maintain Function	n/a	4 hours
Latitude Range	n/a	50° S to 50° N
Battery	n/a	Valve regulated lead-acid
Nominal Battery Voltage	n/a	6 volts
Capacity	n/a	7.0 amp/hr at 20/hr discharge rate
Temperature Range	n/a	-40° F to 115° F
Maximum Operation	n/a	14 hours

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Finishes

- Metal is finished with Landscape Forms' proprietary Pangard II® polyester powdercoat, a hard yet flexible finish that resists rusting, chipping, peeling and fading.
- Call for standard color chart.






To Specify

- Choose 6" or 12" diameter embedded style, 6" surface mount style, or 6" removable style.
- Specify black or silver protective polyethylene sleeve or without sleeve.
- Specify with or without lighting based on the following guidelines:
- 6" embedded and surface mount, available with hard wired or solar powered lighting; 6" removable only offered with solar lighting; 12" embedded only offered with hard wired lighting.

Example: 6" Surface Mount, Black Sleeve, Hard Wired LED Lighting

Warranty

Landscape Forms, Inc. warrants all products (other than noted exceptions) to be free from defects in material and/or workmanship for a period of three years from date of invoice. Noted exceptions: LED lighting products are warranted for six years.

	Style	Diameter	Height	Product Weight
	6"	6"	33"	Surface Mount: 47lbs Embedded: 80lbs Removable: 107lbs
	12"	12"	33"	Embedded: 200lbs
	6" Removable bollard			
	Protective sleeve			
	Lighted bollard top			

Designed by Brian Kane, IDSA

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