

# ENDURASCAPE Bollard Turtle Safe LED Specifications







Project Name:

Catalog Number:

Type:

The **Endurandscape** series of concrete bollards are designed to enhance and blend with architectural and natural landscapes. Beautifully crafted with textured finishes in a variety of shapes and cast grill louver designs. Optics provide smooth, 360-degree symmetrical low level illumination. 590 nm diode supplied as standard. Durably built for weather and vandal resistance. Ideal for walkways, entrances, promenades, plazas, courtyards, driveways, bridges and landscaped areas.

## Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
<b>EDS-1A</b> 8" Round	<b>COG</b> 45° Cutoff Grill 8" Only	<b>20LC</b>	<b>3</b> 350mA	<b>TS</b> (590 nm)	<b>UNV</b> 120-277V	<b>AB</b> Anchor Base Consult Factory	<u>Louver Colors</u>	<b>ILS</b> Internal Light Shield
<b>EDS-1B</b> 11" Round			<b>5</b> 530mA				<b>BZ</b> Bronze	
<b>EDS-2</b> 11" Round Flat Top							<b>BK</b> Black	
<b>EDS-3A</b> 11" Square	<b>COG</b> 45° Cutoff Grill 11" Only						<b>WH</b> White	
<b>EDS-4A</b> 11" Square Pyramid Top							<b>FG</b> Forest Green	
	<b>HZG</b> Horizontal Grill 11" Only						<b>GY</b> Grey	
							<b>SL</b> Silver Metallic	
							<b>CC</b> Custom Color	
							<u>Concrete Textures</u>	
							<b>LT</b> Light	
							<b>MD</b> Medium	
							<b>HV</b> Heavy	

# Features & Specifications **ENDURASCAPE Bollard Turtle Safe**

## Housing

- Steel-reinforced pre-cast hollow core concrete in round or square shapes, four top styles and three textured finishes.
- Rugged cast aluminum grill louvers with 45° cutoff or horizontal cutoff.

## Thermal Management

- The Endurascape Bollard Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the Endurascape Bollard Series to withstand higher ambient temperatures and drive currents without degrading LED life.
- The Endurascape 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 Endurascape 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

- Uniform Type V symmetrical light distribution.
- Optional internal light shield for Type III distribution.
- The highest lumen output LEDs are utilized in the Endurascape Bollard Series. Aluminum stack louver, or 45° cutoff grill provides Type V symmetrical light distribution. LED light assemblies come in 20 LEDs.
- 590 nm diode supplied as standard.

## Lens

Clear, high-impact-resistant acrylic, with silicone gasketing for a weather-tight seal. An optional internal light shield is available.

## Quali-Guard® Finish

- The louver 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 Endurascape Bollard Luminaire is easily mounted with anchor bolt kit.

## Electrical Assembly

- The Endurascape Bollard Series is supplied with a choice of 350 or 530 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

- Internal Light Shield

## Listings

- The Endurascape Bollard is cUL Listed, suitable for wet locations.
- Powder Coated Tough™
- IDA Certification
- Turtle Safe



# ENDURASCAPE Bollard Turtle Safe LED Specifications

## Photometric Optical Summary

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

**COG**  
45° Cutoff Grill - 8" Only



**COG**  
45° Cutoff Grill - 11" Only

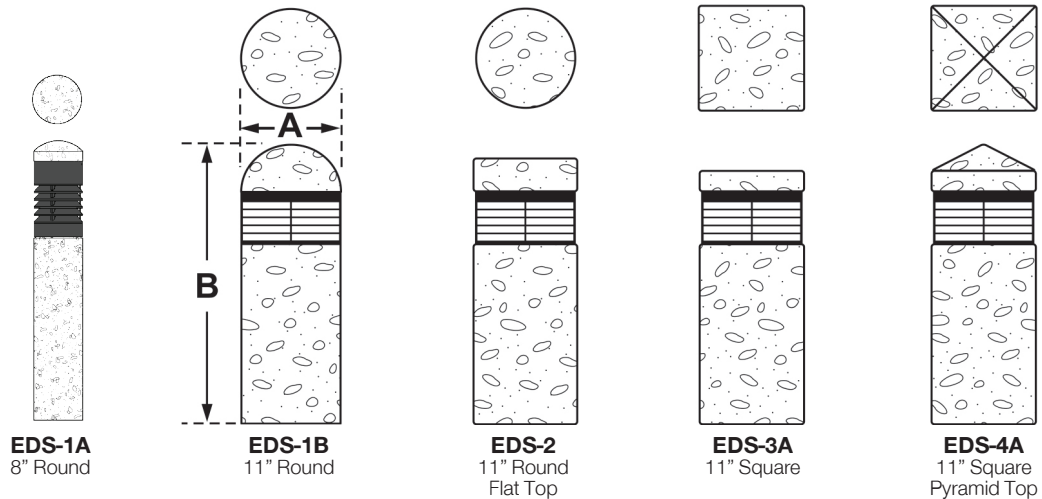


**HZG**  
Horizontal Grill - 11" Only



## Dimensions

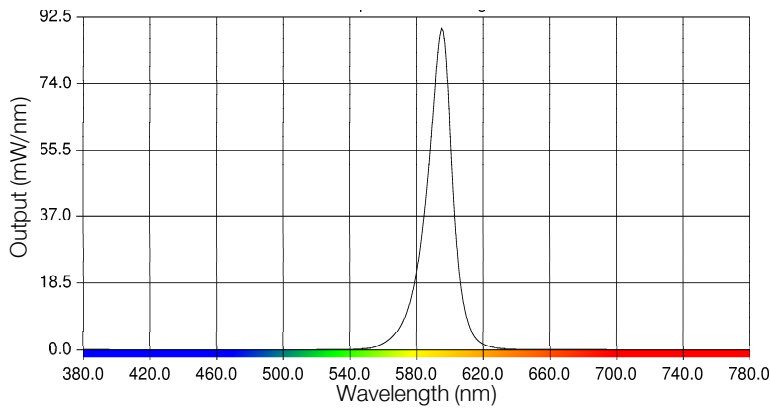
Model	EDS-1A	EDS-1B	EDS-2	EDS-3A	EDS-4A
<b>Description</b>	Round/ Round Top	Round/ Round Top	Round/ Flat Top	Square/ Flat Top	Square/ Pyramid Top
<b>Width (A)</b>	8"	11"	11"	11"	11"
<b>Height (B)</b>	43.5"	42.0"	40.25"	41.0"	43"
<b>Weight</b>	275	325	320	275	325



EDS-1A Turtle Safe LUMEN DATA					
# LEDs	Current mA	EDS-1A			Watts
20	350	185			20
	530	296			32
EDS-1A Turtle Safe LPW DATA					
20	350	9			20
	530	9			32
EDS-1A Turtle Safe BUG DATA					
# LEDs	Current mA	EDS-1A			Watts
		B	U	G	
20	350	0	2	0	20
	530	0	2	1	32

EDS Wildlife Certified - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
EDS-1A-COG-20LC-3	20	0.17	0.10	0.08	0.07	0.06	0.04
EDS-1A-COG-20LC-5	32	0.27	0.15	0.13	0.12	0.09	0.07

**Output Vs. Wavelength**



**Base Details**

