

VBL-2-TS LED Specifications

Wildlife Certified

Architectural - Site - Outdoor



The new V-Bollard LED Series continues the unique contemporary design inspired by the sleek styling of the V-Collection. Separating the Driver(s) from the individual cast aluminum LED engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture.

The LED light assemblies come in multiples of 16, 32 or 48 LEDs per single fixture; and 32, 64 or 96 LED in a double fixture configuration.

Our Turtle Safe and Wildlife Certified LEDs operates at 590nm. Seventeen optical distribution patterns are available.

A durable polyester powdercoat finish is guaranteed for five years; and is available in standard or custom colors.

The V-Bollard LED series is an exceptional choice for low level or pedestrian scale lighting applications.

Project Name:

Catalog Number:

Type:

Date:

Location:

The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.



MODEL	HEIGHT	OPTICS		LEDs	CONFIG.	CURRENT
VBL-2	6 6'	T1 Type 1	T5 Type 5	16LD	S Single	3 350mA
	7 7'	T2 Type 2	T5W Type 5 Wide	32LD		5 530mA
	8 8'	T3 Type 3	T5WW Type 5 Extra Wide	48LD		
	9 9'	T3R Type 3 Round	T5LG Type 5 Low Glare	32LD	D Double	
	10 10'	T3W Type 3 Wide	FN Flood Narrow	64LD		
	11 11'	T3LG Type 3 Low Glare	FM Flood Medium	96LD		
	12 12'	T4 Type 4	FW Flood Wide			
		T4A Type 4 Automotive				
		T4FT Type 4 Forward Throw				
		T4LG Type 4 Low Glare				

WAVELENGTH	VOLTAGE	MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
TS 590 nm	UNV 120-277V	AB Anchor Base (ANCHOR BOLT KIT SUPPLIED)	BZ Bronze	PC-120 PC-208 PC-240 PC-277 PC-347 PC-480 Button Type Photocell	CLS Backside cutoff shield	BBG Bird Spikes
	8 347V		BK Black	DIM 0-10v Dimming Driver	RCLS Rightside cutoff shield	GFI GFI Receptacle *Standard location is in hand hole.
	5 480V		SBK Smooth Black	DTO Dim to Off Driver	LCLS Leftside cutoff shield	*Specify GFI location if different from hand hole location. Supplied with in use cover.
			WH White	D4i 4Di DALI Driver	BHS House shield	USB USB Receptacle *Specify location. Supplied with in use cover.
			SWH Smooth White			BAA Buy America(n) Act Compliant
			GP Graphite			BABA Build America Buy American
			GY Grey			
			SL Silver Metallic			
			GN Tennis Green			
			FG Forest Green			
			ZFP Zinc-Free Primer Coat			
			CC Custom Color			

Housing

Cast aluminum heatsink with integral cooling fins for thermal management. The 4" extruded pole contains the driver(s), allowing for cooler operation and longer life. Silicone gasketing are utilized throughout the fixture for weather tight operation.

Thermal Management

The V-Bollard Series provides excellent overall thermal management by maximizing the fixture's heatsink capabilities. This enables the V-Bollard Series to withstand higher ambient temperatures and drive currents without degrading LED life. The V-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 V-Bollard Series LEDs have been determined to last a minimum of 100,000 hours in 25° C environments when driven at 350 mA.

Optical System

The highest lumen output LEDs are utilized in the V-Bollard Series. LED light assemblies come in multiples of 16 LEDs. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.

- Available with 17 IES distribution patterns.
- LED Wavelength 590nm

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 mils 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 V-Bollard Luminaire is easily attached to the pole by 2 tamper-proof countersunk screws.

Electrical Assembly

The V-Bollard LED series is supplied with a choice of 350, 530 mA high-performance LED drivers that accept 120v to 480v, 50 Hz to 60 Hz, input.

- Power factor of 90%.
- Rated for -40°C operations.
- 10 kV surge protector supplied as standard.

Warranty

Five (5) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options

- Button Type Photocell
- Dimming Driver
- Dim To Off Driver
- D4i DALI Driver
- Cutoff shield
- House shield
- Bird Spikes
- GFI Receptacle
- USB Receptacle
- BAA / BABA

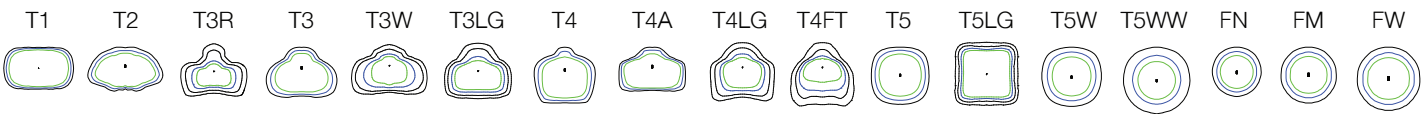
Listings

- The V-Bollard is cUL Listed, suitable for wet locations.
- IP-65 Rated
- Powder Coated Tough.
- IDA Certification
- Pangealink
- Certified Wildlife Lighting



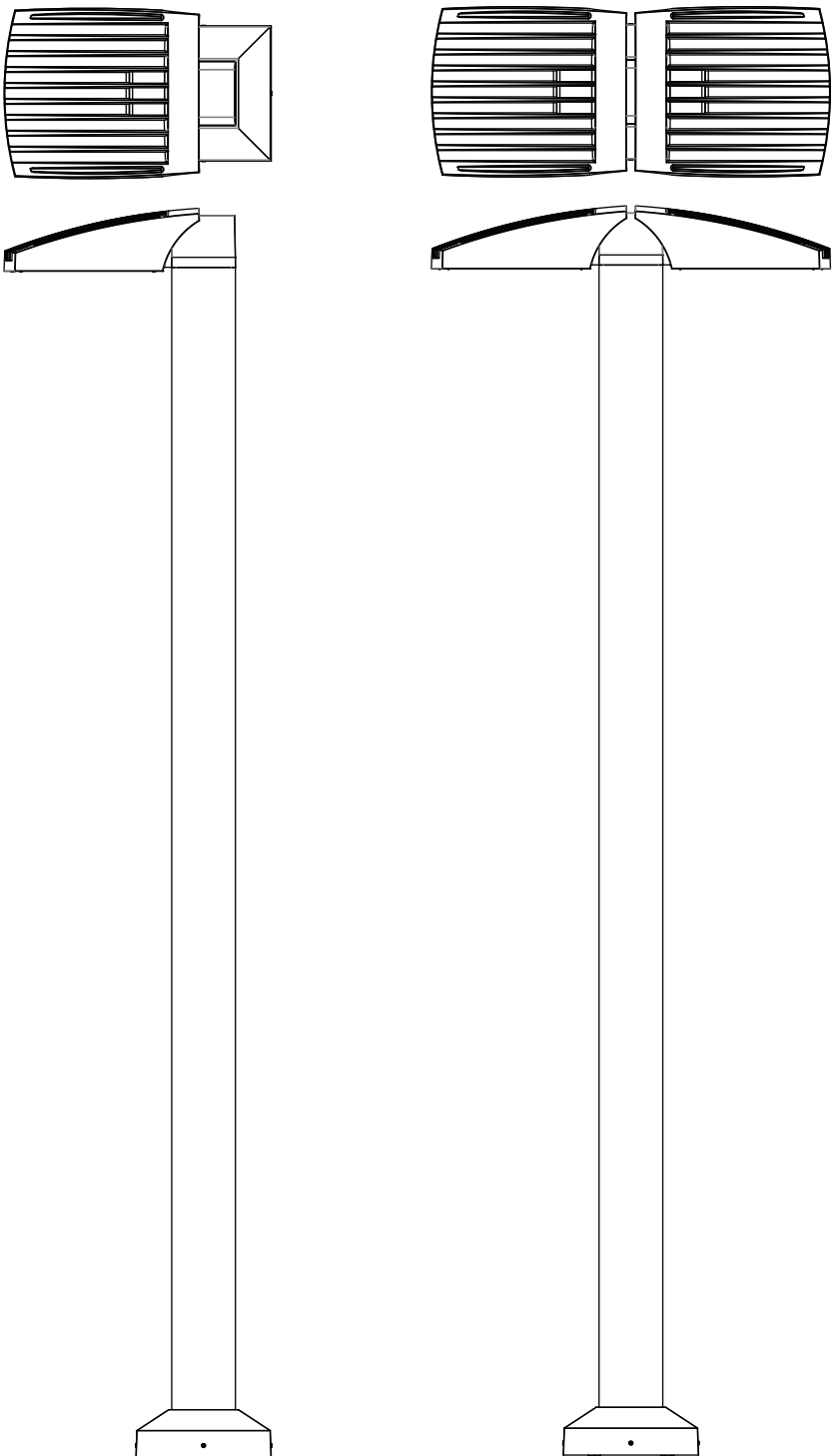
3000K or lower must be selected for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

Photometric Optical Summary



Dimensions

Width:	VBL-2 10.5"
Height:	VBL-2 4"
Depth:	VBL-2 14.5"/25"
Weight:	VBL-2 27/40 LBS



TS AMBER LUMENS																					
MODEL	Config.	# LEDs	Current (mA)	T1	T2	T3R	T3	T3W	T3LG	T4	T4A	T4LG	T4FT	T5	T5LG	T5W	T5WW	FN	FM	FW	WATTS
VBL-2	S	16	350	1242	1198	1236	1220	1234	1240	1219	1285	1237	1255	1235	1248	1187	1122	1057	1077	1210	13
			530	1568	1512	1561	1540	1558	1565	1540	1623	1562	1585	1560	1576	1498	1417	1335	1359	1528	21
	S	32	350	2484	2395	2472	2439	2468	2479	2439	2571	2474	2511	2471	2496	2373	2244	2114	2153	2421	27
			530	3137	3024	3122	3080	3116	3130	3080	3246	3124	3170	3120	3152	2997	2833	2670	2719	3056	42
	S	48	350	3726	3593	3708	3659	3702	3719	3658	3856	3711	3786	3706	3744	3590	3366	3172	3230	3631	40
			530	4705	4536	4683	4620	4674	4696	4619	4869	4686	4756	4680	4728	4495	4250	4005	4078	4585	63
	D	32	350	2484	2395	2472	2439	2468	2479	2439	2571	2474	2511	2471	2496	2373	2244	2114	2153	2421	27
			530	3137	3024	3122	3080	3116	3130	3080	3246	3124	3170	3120	3152	2997	2833	2670	2719	3056	42
	D	64	350	4968	4790	4944	4879	4936	4958	4878	5141	4948	5022	4941	4992	4746	4488	4229	4306	4841	53
			530	6274	6049	6243	6161	6232	6261	6159	6492	6248	6341	6240	6304	5993	5667	5340	5438	6113	84
	D	96	350	7453	7185	7417	7318	7404	7437	7317	7712	7423	7532	7412	7488	7120	6732	6343	6459	7282	80
			530	9411	9073	9365	9241	9349	9391	9239	9737	9373	9511	9359	9456	8990	8500	8010	8156	9169	126

TS AMBER LUMENS																					
MODEL	Config.	# LEDs	Current (mA)	T1	T2	T3R	T3	T3W	T3LG	T4	T4A	T4LG	T4FT	T5	T5LG	T5W	T5WW	FN	FM	FW	WATTS
VBL-2	S	16	350	93	90	93	92	93	93	92	97	93	94	93	94	89	84	79	81	91	13
			530	74	72	74	73	74	74	73	77	74	75	74	75	71	67	63	64	73	21
	S	32	350	93	90	93	92	93	93	92	97	93	94	93	94	89	84	79	81	91	27
			530	74	72	74	73	74	74	73	77	74	75	74	75	71	67	63	65	73	42
	S	48	350	93	90	93	92	93	93	92	97	93	94	93	94	89	84	79	81	91	40
			530	74	72	74	73	74	74	73	77	74	75	74	75	71	67	63	65	73	63
	D	32	350	93	90	93	92	93	93	92	97	93	94	93	94	89	84	79	81	91	27
			530	74	72	74	73	74	74	73	77	74	75	74	75	71	67	63	65	73	42
	D	64	350	93	90	93	92	93	93	92	97	93	94	93	94	89	84	79	81	91	53
			530	74	72	74	73	74	74	73	77	74	75	74	75	71	67	63	65	73	84
	D	96	350	93	90	93	92	93	93	92	97	93	94	93	94	89	84	79	81	91	80
			530	74	72	74	73	74	74	73	77	74	75	74	75	71	67	63	65	73	126

BUG TS																					
MODEL	Config.	# LEDs	Current (mA)	T1	T2	T3R	T3	T3W	T3LG	T4	T4A	T4LG	T4FT	T5	T5LG	T5W	T5WW	FN	FM	FW	
				B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G
VBL-2	S	16	350	1	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1
			530	1	0	1	1	0	1	1	0	1	0	0	1	0	1	0	1	0	1
	S	32	350	2	0	2	1	0	1	1	0	1	0	1	1	0	1	0	1	0	1
			530	2	0	2	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1
	S	48	350	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	1	0	1
			530	3	0	3	1	0	2	1	0	1	1	0	1	1	0	1	1	0	1
	D	32	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1
			530	1	0	1	1	0	1	2	0	1	1	0	1	1	0	1	2	0	1
	D	64	350	1	0	1	1	0	2	2	0	2	2	0	1	2	0	1	3	0	1
			530	1	0	1	2	0	2	3	0	2	3	0	1	3	0	1	3	0	1
	D	96	350	2	0	2	3	0	3	3	0	3	3	0	1	3	0	1	3	0	1
			530	2	0	2	3	0	3	3	0	3	3	0	2	3	0	2	4	0	1

VBL-2 - ELECTRICAL LOAD (A)								
Ordering Nomenclature	Config.	System Watts	120	208	240	277	347	480
VBL-2-16LD-3	S	13	0.11	0.06	0.05	0.05	0.04	0.03
VBL-2-16LD-5		21	0.18	0.10	0.09	0.08	0.06	0.04
VBL-2-32LD-3	S	27	0.23	0.13	0.11	0.10	0.08	0.06
VBL-2-32LD-5		42	0.35	0.20	0.18	0.15	0.12	0.09
VBL-2-48LD-3	S	40	0.33	0.19	0.17	0.14	0.12	0.08
VBL-2-48LD-5		63	0.53	0.30	0.26	0.23	0.18	0.13
VBL-2-32LD-3	D	27	0.23	0.13	0.11	0.10	0.08	0.06
VBL-2-32LD-5		42	0.35	0.20	0.18	0.15	0.12	0.09
VBL-2-64LD-3	D	53	0.44	0.25	0.22	0.19	0.15	0.11
VBL-2-64LD-5		84	0.70	0.40	0.35	0.30	0.24	0.18
VBL-2-96LD-3	D	80	0.67	0.38	0.33	0.29	0.23	0.17
VBL-2-96LD-5		126	1.05	0.61	0.53	0.45	0.36	0.26
ELECTRICAL LOAD DATA IS ESTIMATED								

