

C-BOW-1 LED Specifications

Wildlife Certified

Garage - Ceiling - Commercial - Industrial - Indoor



Cross Bow LED Bollard Series

Sleek Design Meets Powerful Performance. The Cross Bow LED Series continues Visionaire Lighting's tradition of modern, architectural styling inspired by the distinctive BOW Collection. Its streamlined form and precision engineering make it a standout solution for contemporary site and pathway lighting.

Engineered for performance and longevity, the Cross Bow design separates the driver housing from the individual die-cast aluminum linear LED engines — optimizing thermal management, extending component life, and maximizing lumen output for consistent, long-term reliability.

Each LED module is configured in multiples of 16 LEDs, up to 32 total. Our Turtle Safe and Wildlife Certified LEDs operates at 590nm. Fifteen optical distribution patterns are available.

Combining high performance with exceptional energy efficiency. Integrated lighting controls provide advanced flexibility for dimming and scheduling, ensuring optimal light where and when it's needed.

Constructed from durable materials and finished in a premium polyester powder coat available in standard or custom colors, every fixture is backed by a five-year warranty for enduring quality and appearance.

Perfectly suited for low-level illumination along walkways, plazas, entries, and landscaped areas, the Cross Bow LED Series delivers a balance of modern elegance, performance, and efficiency — a striking addition to any architectural environment.

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	CURRENT
C-BOW-1	3 36"	T1 Type 1	T5 Type 5	16LD Single	3 350mA
	3.5 42"	T2 Type 2	T5W Type 5 Wide	32LD Double	5 530mA
		T3 Type 3	T5WW Type 5 Extra Wide		
		T3R Type 3 Round	T5LG Type 5 Low Glare		
		T3W Type 3 Wide	FW Flood Wide		
		T3LG Type 3 Low Glare			
		T4 Type 4			
		T4A Type 4			
		Automotive			
		T4FT Type 4 Forward Throw			
		T4LG Type 4 Low Glare			

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

Housing

The LED light engines are constructed of heavy-duty, die-cast aluminum, with external heat radiating fins. The 4" extruded pole contains the driver(s), allowing for cooler operation and longer life. Silicone gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

The Cross Bow Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the Cross Bow Series to withstand higher ambient temperatures and drive currents without degrading LED life. The Cross BOW 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 Cross Bow 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 LED Arrays are utilized in the Cross Bow Series. Seventeen IES distribution Types are available. LED light assemblies come in multiples of 16 LED. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.

- Available with 15 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 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 Cross Bow Luminaire is easily attached to the pole by 2 tamper-proof countersunk screws.

Electrical Assembly

The Cross Bow Series is supplied with a choice of 350 or 530mA high-performance LED drivers that accept 120v 50 Hz to 60 Hz, input. 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

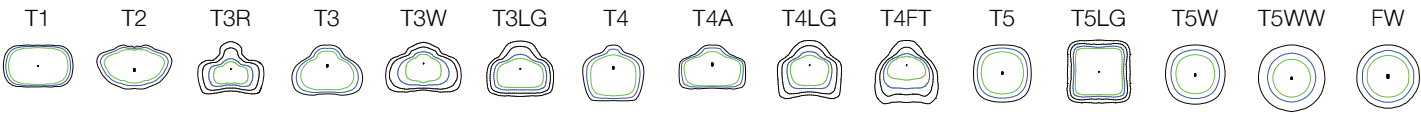
- Button Type Photocell
- 0-10v Dimming Driver
- Dim To Off
- D4i DALI Driver
- Shielding Options
- Decorative Shroud
- Rotated Optics
- Bird Spikes
- GFI Receptacle
- USB Receptacle
- BAA / BABA

Listings

- Cross Bow Series is ETL listed, suitable for wet locations.
- LM79 and LM80
- RoHS compliant
- IP66 rated
- Powder Coated Tough™
- Certified Wildlife Lighting



Photometric Optical Summary



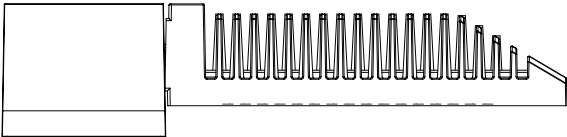
Dimensions

Single

Width:	C-BOW-1 4"
Height:	C-BOW-1 2.5"
Depth:	C-BOW-1 14"

Double

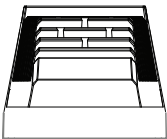
Width:	C-BOW-1 4"
Height:	C-BOW-1 2.5"
Depth:	C-BOW-1 24"



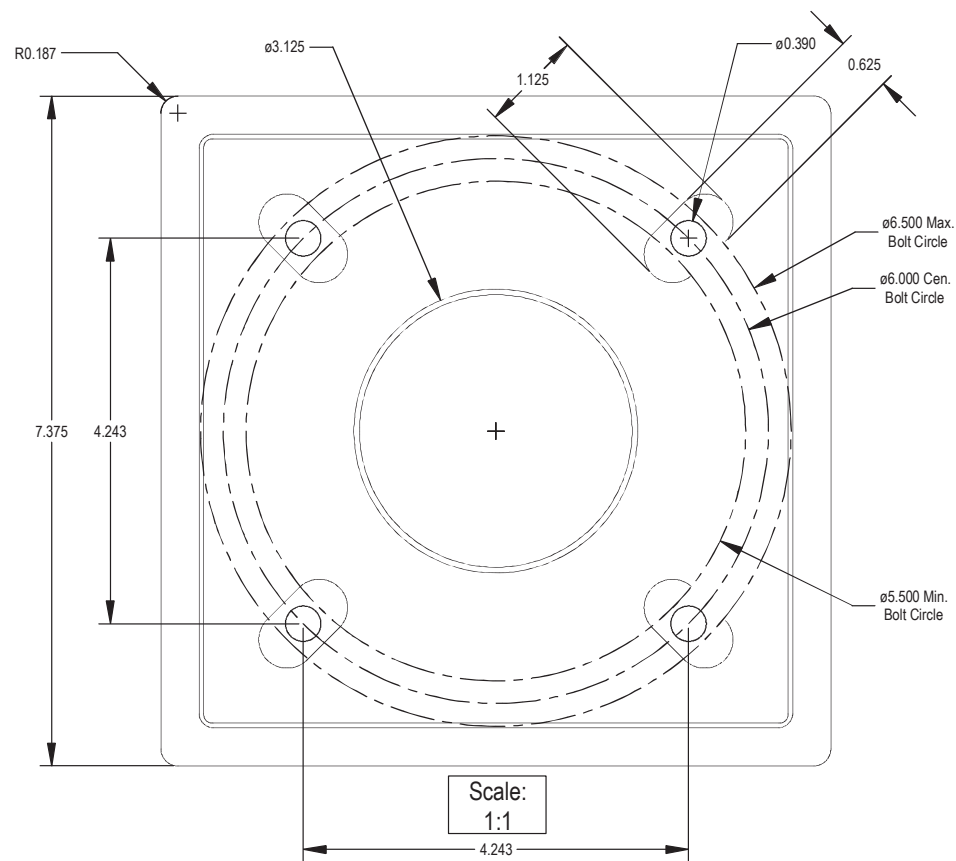
Single



Double

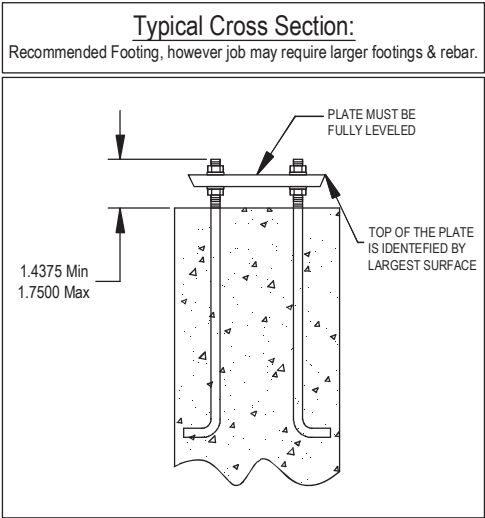


BASE DETAIL



Base Template:

Aluminum Shaft 4" Square
for 3/8 Anchor Bolts



TS AMBER LUMENS																		
MODEL	# LEDs	Current (mA)	T1	T2	T3R	T3	T3W	T3LG	T4	T4A	T4LG	T4FT	T5	T5LG	T5W	T5WW	FW	WATTS
C-BOW-1	16LD	350	1176	1225	1213	1209	1229	1182	1199	1300	1181	1283	1235	1239	1082	1050	1222	13
		530	1484	1547	1532	1526	1551	1492	1514	1641	1491	1620	1560	1565	1366	1325	1543	21
	32LD	350	2399	2477	2459	2493	2528	2412	2448	2625	2410	2618	2471	2530	2251	2123	2506	27
		530	3030	3128	3105	3148	3192	3046	3091	3314	3043	3306	3120	3194	2842	2680	3164	42

EFFICACY (LM/W) TS																		
MODEL	# LEDs	Current (mA)	T1	T2	T3R	T3	T3W	T3LG	T4	T4A	T4LG	T4FT	T5	T5LG	T5W	T5WW	FW	WATTS
C-BOW-1	16LD	350	88	92	91	91	92	89	90	98	89	96	93	93	81	79	92	13
		530	70	73	73	72	74	71	72	78	71	77	74	74	65	63	73	21
	32LD	350	90	93	92	94	95	91	92	99	91	98	93	95	85	80	94	27
		530	72	74	74	75	76	72	73	79	72	78	74	76	67	64	75	42

			BUG TS																																															
MODEL	# LEDs	Current (mA)	T1		T2		T3R		T3		T3W		T3LG		T4		T4A		T4LG		T4FT		T5		T5LG		T5W		T5WW		FW																			
			B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G															
C-BOW-1	16LD	350	1	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1			
		530	1	0	1	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1						
	32LD	350	2	0	2	1	0	1	2	0	2	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1				
		530	2	0	2	2	0	2	2	0	2	2	0	2	2	0	1	1	0	1	2	0	1	2	0	1	2	0	1	1	0	1	2	0	1	2	0	2	2	0	2	2	0	1	2	0	1			

C-BOW-1 - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
C-BOW-1-16LD-3	13	0.11	0.06	0.05	0.05	0.04	0.03
C-BOW-1-16LD-5	21	0.18	0.10	0.09	0.08	0.06	0.04
C-BOW-1-32LD-3	27	0.23	0.13	0.11	0.10	0.08	0.06
C-BOW-1-32LD-5	42	0.35	0.20	0.18	0.15	0.12	0.09
ELECTRICAL LOAD DATA IS ESTIMATED							

