



Performance In A Whole New Light

BOW-Collection



BOW-Collection

The new BLX LED Series of unique, bold fixtures takes current LED fixture design to a new level. A complete family of LED lighting fixtures for complete design flexibility.



BOW LX

Clean lines, and a new look with the Bow Collection; complemented by striking design details, reflect the modern eye for functionality; all with extreme rugged construction. In the world of outdoor lighting, the Bow-Collection stands out with its own brand of structure, helping each customer realize their lighting vision.

The new contemporary form flows into simple shapes energized with metallic finishes and subtle textures. In every detail, our products are made to go together in both form and function. Our advanced features are made to create great results, easily. You will make a statement with the quality of construction, design and energy-efficient technology.



BOW SX



Cross Bow



Cross Bow

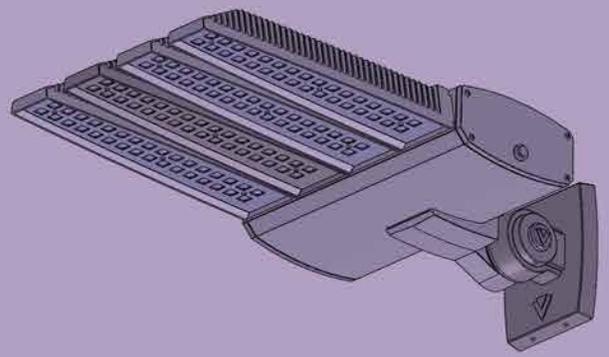
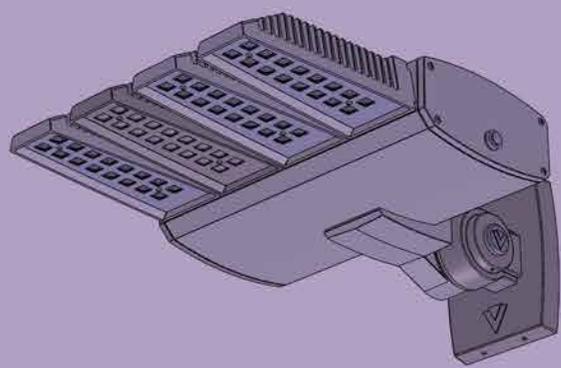
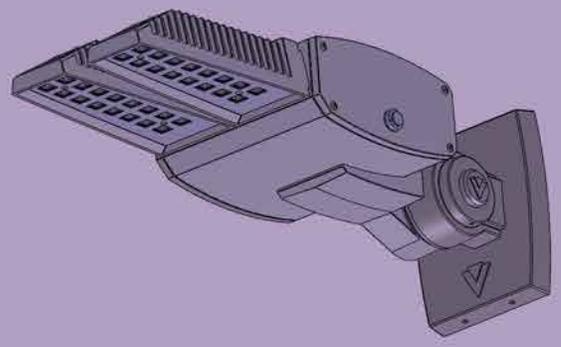
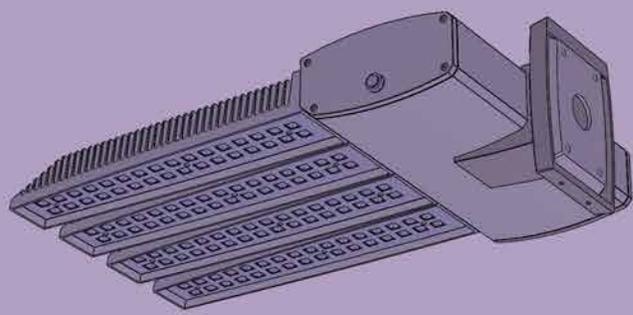
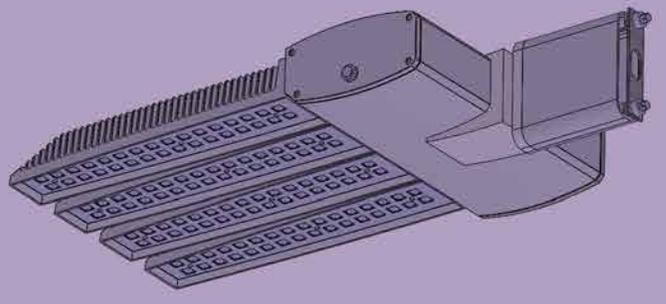
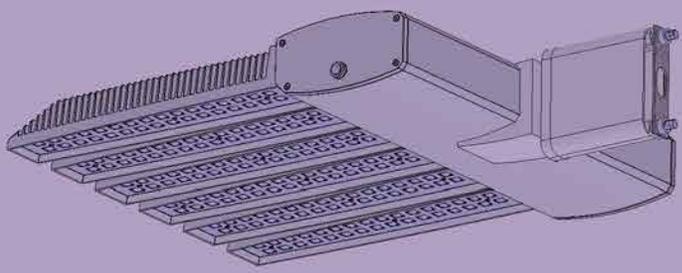
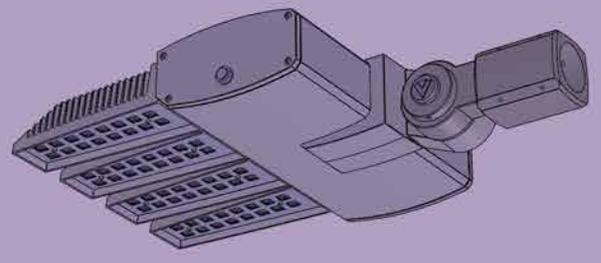
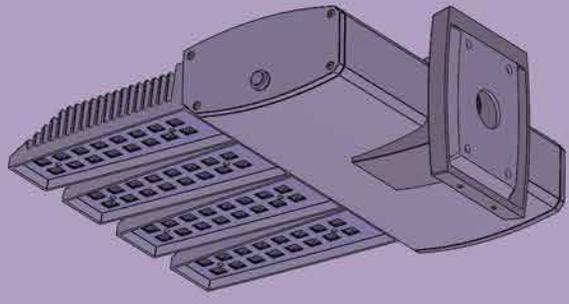
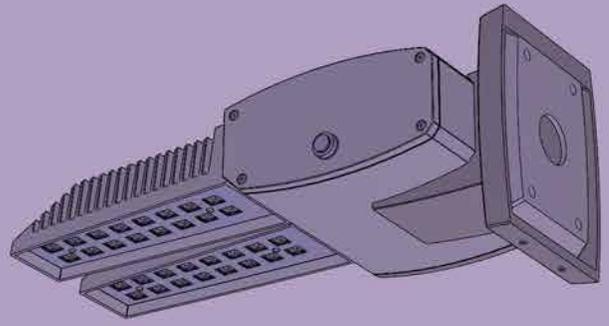
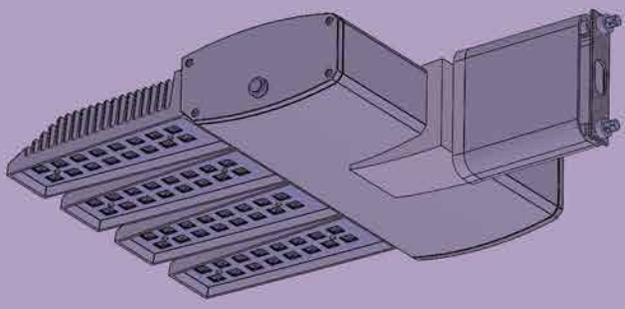


Bow

The BOW-collection of new LED products offers three sizes of Area Lighting products, from 16 to 256 LEDs, with a full range of optical distribution patterns; and either an adjustable tenon mount or a bolt-on mounting option. Add to that offering; a complete line of wall mounted products; ranging from 32 to 64 LEDs.

A stylish bollard family is available in single or double configurations that allows for ground or pedestrian applications.

For interior applications like parking garages; the Bow Series in 32 or 64 LEDs, rounds out the complete product offering.





BOW LX

LED Luminaire



BOW LX - LED Luminaire



The new BOW LX LED Luminaire from Visionaire combines unique contemporary design with the latest LED technology and provides optimum lighting and energy savings over traditional lighting systems. 4, 6 or 8 independent die-cast light engines allow use of up to 1000 mA drivers for maximum lumen output of over 76,000 lumens. The dedicated heat sink for each LED array maximizes its thermal management characteristics; allowing for long life of the LEDs and maximum light output.

A adjustable knuckle mounting system allows for up to 90 degrees of vertical adjustment, for maximum flexibility or aiming of the LEDs, to put the light in just the right place as needed; or choose a rounded extruded aluminum Bolt-On Arm. Choose from six distribution patterns for maximum utilization of the high output of the LED light engines.

The BOW LX LED series leads the way with its innovative design and adjustable mounting style. This is an LED outdoor lighting series that will provide value for many years to come; serving a multitude of markets that have not been addressed during the recent introduction of LED lighting.

Construction

- All aluminum construction throughout provides lasting durability for the BOW LX LED series
- 4, 6 or 8 die-cast light engines with external fins, for maximum heat dissipation for long life of the LEDs.
- A separate extruded aluminum driver compartment allows for cooler operation and longer life of the driver(s).

LED Technology

- 128, 192 or 256 LEDs available in 530, 700, or 1000 mA ratings.
- 4000 or 5000 Kelvin for natural or white light.
- Full cutoff optics available in six distribution patterns.
- Minimum of 75,000 hours of life for the LEDs

Applications

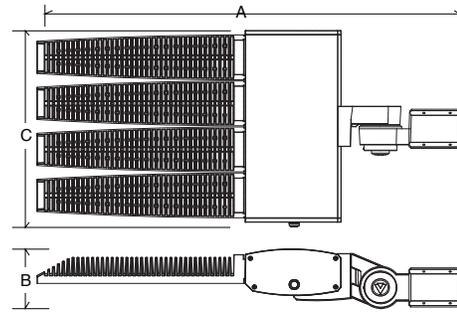
The BOW LX LED series can be used for a variety of lighting projects such as general area lighting, shopping centers and automobile dealerships. Choose the BOW LX LED series for your next lighting project.



BOW LX LED



Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
BLX-4	37"	5"	17"	444	48
BLX-6	37"	5"	25"	614	72
BLX-8	37"	5"	33"	879	96

The new BOW LX LED Series continues the unique contemporary design inspired by the sleek styling of the BOW family. Separating the extruded aluminum driver housing and the individual die-cast aluminum linear LED engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture. The adjustable knuckle allows for up to 90° degrees of vertical adjustment for putting the light exactly where you need it.

Each of the individual LED light engines come with 32 LEDs; for a max total of 256 LEDs. Six optical distribution patterns are available.

A unique Type 4-A automotive distribution pattern is available for the front rows of Auto Dealerships. Available in 4000 or 5000 Kelvin temperature.

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

The BOW LX LED series is an exceptional choice for auto dealerships, shopping centers, commercial parking lots and general area lighting.

Model	Optics	Source	Current	Kelvin	Voltage	Mounting	Finish	Options
BLX-4	Type II (T2)	128 (128LC)	530 (5)	4000K *Neutral white (4K)	120-277 *Universal Voltage (UNV)	Knuckle Mount *Slips over 2 3/8" Tenon with adjustable Increments of 10" (KM)	Bronze (BZ)	Button Type Photocell *Specify voltage. (PC120) (PC208) (PC240) (PC277)
	Type III (T3)			5000K *Cool white (5K)			480 (5)	
BLX-8	Type IV (T4)	256 (256LC)	1000 (10)		347 (8)	Wall Mount (WM) *BLX-4 only	White (WH)	Photo Receptacle (PER) *With shorting cap
	Type IV-A (T4A)					Adjustable Wall Mount (AWM) *BLX-4 only	Smooth White (SWH)	Round Pole Plate Adaptor For 4"Ø Pole (RPP4) For 5"Ø Pole (RPP5)
	Type V (T5)					Bolt-On Arm Wall Plate (BAWP) *BLX-4 only	Graphite (GP)	Motion Sensor *Works with FSP-211 (WSC-8) 8" Mounting Height (WSC-20) 9-20" Mounting Height (WSC-40) 21-40" Mounting Height *For BOA Mounting Option Only
	Type V-W (T5W)					Bolt-On Arm Wall Plate-XL (BAWP-XL) *BLX-6 and BLX-8 only	Grey (GY)	Pole Mounted Motion Sensor (SBOR OEX) (SBOR ODP) *w/ photocell
								Silver Metallic (SL)
						Custom Color (CC)		

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

Housing

The LED light engines are constructed of heavy-duty, die-cast aluminum, with external heat radiating fins.

Driver Compartment

The separate driver housing is constructed of extruded aluminum, with cast aluminum end covers and stainless steel fasteners; for easy access to the LED driver(s); allowing for cooler operation and longer driver life. One-piece gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

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

The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The BOW LX Series LEDs have been determined to last a minimum of 75,000 hours in 25°C environments when driven at 530 mA.

Optical System

The highest lumen output, Evo/C LEDs are utilized in the BOW LX Series. IES distribution Types II, III, IV, IV-A, V, V-W, are available. LED light engines come in multiples of 32 LEDs.

CRI values are 70 for 4000K and 75 for 5000K.

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 millimeter 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

An adjustable knuckle slip fits over a 2 3/8" Tenon, and allows for up to 90° degrees of vertical adjustment in 10° degree increments from horizontal, as well as full side to side adjustment with the knuckle mount.

A round extruded aluminum, Bolt -On Arm (BOA) with an in-pole nut plate. A Round Pole Plate Adaptor (RPP) is required for mounting to round poles.

Wall Mount

Adjustable Wall Mount

Bolt-On Arm Wall Plate

Bolt-On Arm Wall Plate -XL

Electrical Assembly

The BOW LX Series is supplied with a choice of 530, 700, or 1000 mA high-performance LED drivers, that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 95%. Rated for -40 °C operations.

10 kV surge protector supplied as standard.

0-10v Dimming Driver supplied as standard.

Warranty

Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

Button Type Photocell

Photocell & Receptacle

Photo Receptacle

Round pole plate adaptor

Motion Sensor

Pole Mounted Motion Sensor

Universal Pole Mount Adaptor

Listings

BOW LX Series is UL listed, suitable for wet locations.

LM79 and LM80

RoHS compliant

Powder Coated Tough™

DLC Listed



DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>

EPA DATA	BLX-4	BLX-6	BLX-8
	.7	.9	1.1

Bolt-On Arm Detail



BOW LX 5K Lumen Data

# LEDs	mA	Type 2	B	U	G	Type 3	B	U	G	Type 4	B	U	G	Type 4A	B	U	G	Type 5	B	U	G	Type 5W	B	U	G	Watts
128	530	20,463	3	2	3	18,854	3	0	3	20,914	3	2	3	22,262	2	2	2	25,059	4	0	2	21,503	4	0	2	212
	700	25,008	3	2	4	23,042	3	0	3	25,560	3	2	3	27,207	3	2	2	30,626	5	0	2	26,279	5	0	3	279
	1000	33,215	4	2	5	30,604	3	0	3	33,948	3	2	4	36,136	3	2	2	40,676	5	0	3	34,903	5	0	4	444
192	530	30,839	4	2	4	28,415	3	0	3	31,520	3	2	4	33,551	3	2	2	37,767	5	0	2	32,407	5	0	3	325
	700	37,721	4	2	5	34,755	3	0	3	38,553	4	2	4	41,037	3	2	2	46,194	5	0	3	39,638	5	0	4	430
	1000	46,812	4	3	5	43,132	4	0	4	47,845	4	2	5	50,928	3	2	3	57,328	5	0	3	49,191	5	0	4	614
256	530	41,119	4	3	5	37,887	4	0	3	42,027	4	2	5	44,735	3	2	3	50,356	5	0	3	43,209	5	0	4	425
	700	50,294	4	3	5	46,340	4	0	4	51,404	4	2	5	54,717	4	2	3	61,592	5	0	4	52,850	5	0	5	564
	1000	62,416	5	3	5	57,510	4	0	4	63,794	4	3	5	67,904	4	3	3	76,437	5	0	4	65,588	5	0	5	879

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here. * For 4000K multiply values by 0.90



**Modern innovation meets
unparalleled performance.**

BOW SX - LED Luminaire



The new BOW SX LED Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines the latest LED performance and advanced LED thermal management technology, and provides lighting that is both energy efficient and aesthetically pleasing. Choose from 32 to 64 LEDs, that looks perfect with any of the LED configurations; thereby enabling the lighting designer to tailor the lighting to the application needs; while maintaining a uniform appearance throughout the entire project. Choose from a 3,500 to 17,000+ lumen package with life expectancy of well over 20 years.

For general wall mount and pedestrian areas, the BOW SX LED series brings contemporary LED lighting design into the 21st century.

Fixture Construction

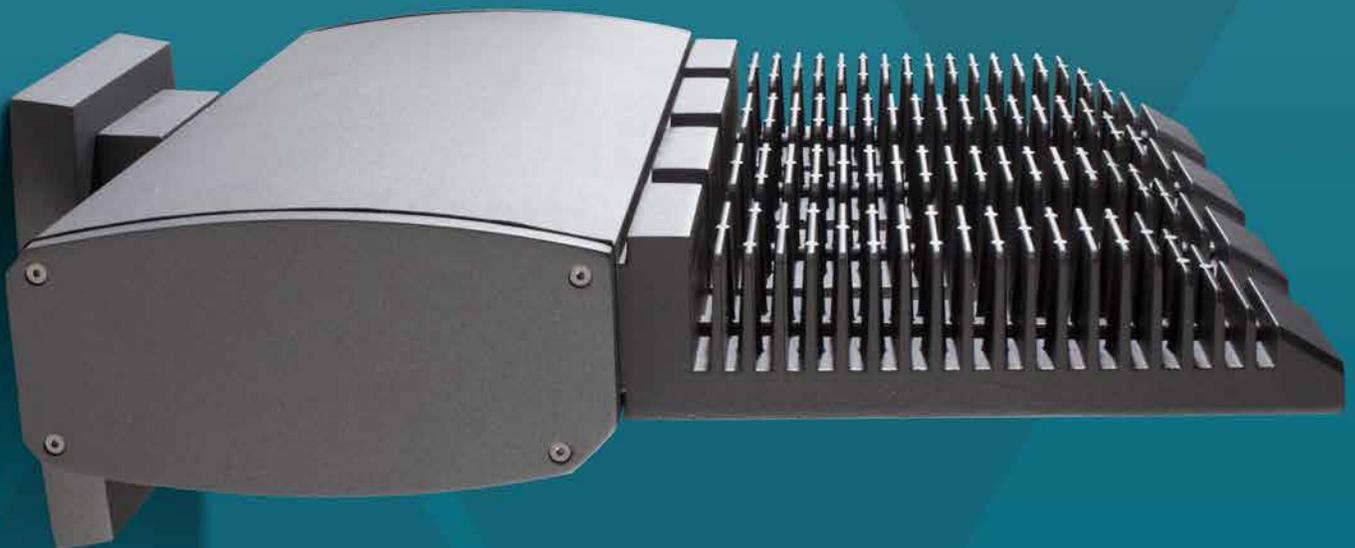
- Die Cast Aluminum light engines and extruded aluminum driver housing with integrated thermal heat sink for maximum thermal management of the LEDs for extreme long life of the LEDs.
- A Knuckle, Bolt-On Arm or Wall mounting design that simplifies the installation of the fixture.
- Engineered optical assemblies with six distribution patterns.

LED Technology

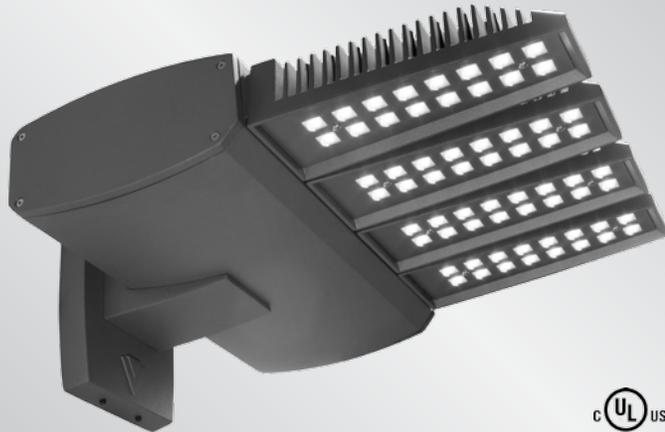
- 32 to 64 LEDs
- 350, 530, 700 or 1000 mA ratings.
- 3,500 to 17,000 lumen package available.
- 4000 or 5000 Kelvin for natural or white light.
- Full cutoff optics available in six distribution patterns.
- 69,000 to 126,000 hours or more of life for the LEDs

Applications

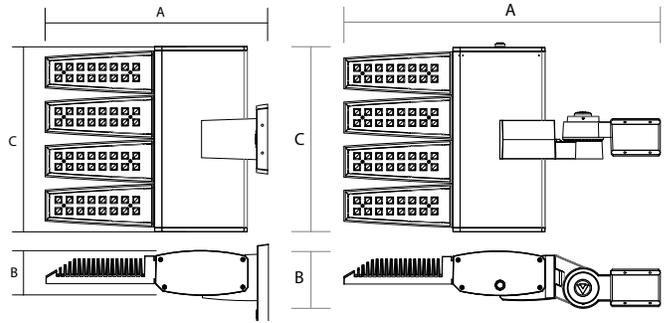
- The BOW SX LED Series is destined to become the standard for which LED area lights are measured. Simple flowing lines that house scalable LEDs that replace traditional HID fixtures; for a wide range of lighting applications. From shopping centers, auto dealerships to general parking lots; the BOW SX LED series is the transition of LED lighting into tomorrow.



BOW SX LED



Dimensional Drawings



Fixture	A	B	C	Max. Watts	Lbs
BSX-2	20" or 28.5"	5"	8.75"	111	15
BSX-3	20" or 28.5"	5"	12.75"	166	19
BSX-4	20" or 28.5"	5"	16.75"	222	24

The new BOW SX LED Series continues the unique contemporary design inspired by the sleek styling of the BOW family. Separating the extruded aluminum driver housing and the individual die-cast aluminum linear LED engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture.

Each of the individual LED light engines come with 16 LEDs; for a max total of 64 LEDs. Eight optical distribution patterns are available.

Available in 4000 or 5000 Kelvin temperature.

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

The BOW SX LED series is an exceptional choice for shopping centers, schools, office buildings, and general area lighting.

Model	Optics	Source	Current	Kelvin	Voltage	Mounting	Finish	Options	
BSX-2	Type I (T1)	32 (32LC)	350 (3)	4000K *Neutral white (4K)	120-277 *Universal Voltage (UNV)	Knuckle Mount *Slips over 2 3/8" Tenon with adjustable Increments of 10" (KM)	Bronze (BZ)	Button Type Photocell *Specify voltage. (PC120) (PC208) (PC240) (PC277)	
	Type II (T2)			5000K *Cool white (5K)			480 (5)		Bolt-On Arm 6" (BOA6)
BSX-3	Type III (T3)	64 (64LC)	700 (7)	347 (8)	Wall Mount (WM)	Adjustable Wall Mount (UWM)	Smooth Black (SBK)	Photo Receptacle (PER) *With shorting cap	
	Type IV (T4)						1000* (10)		White (WH)
BSX-4	Type V (T5)	*Test Data Pending, 1 Amp is not DLC listed				NOTE: UNIT IS ADJUSTABLE FROM HORIZONTAL TO 90° UPWARD MAX WITH THE KNUCKLE MOUNT.	Smooth White (SWH)	Motion Sensor *Works with FSP-211 (WSC-8) 8' Mounting Height (WSC-20) 9-20' Mounting Height (WSC-40) 24-40' Mounting Height *For BOA Mounting Option Only	
	Type V-W (T5W)						Graphite (GP)		Pole Mounted Motion Sensor (SBOR OEX) (SBOR ODP) *w/ photocell
							Grey (GY)		
							Silver Metallic (SL)		
							Custom Color (CC)		

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Housing

- The LED light engines are constructed of heavy-duty, die-cast aluminum, with external heat radiating fins.

Driver Compartment

- The separate driver housing is constructed of extruded aluminum, with cast aluminum end covers and stainless steel fasteners; for easy access to the LED driver(s); allowing for cooler operation and longer driver life. One-piece gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

- The BOW SX Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the BOW SX Series to withstand higher ambient temperatures and drive currents without degrading LED life.
- The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The BOW SX 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, Evo/C LEDs are utilized in the BOW SX Series. IES distribution Types I, II, III, IV, V, V-W, T15 & T40 are available. LED light engines come in multiples of 16 LEDs.
- CRI values are 70.

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 millimeter 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

- An adjustable knuckle slip fits over a 2 3/8" Tenon, and allows for up to 90° degrees of vertical adjustment in 10° degree increments from horizontal, as well as full side to side adjustment with the knuckle mount.
- A round extruded 6" aluminum, Bolt -On Arm (BOA) with an in-pole nut plate. A Round Pole Plate Adapter (RPP) is required for mounting to round poles.
- A cast wall mount plate is available for wall mount applications.

Electrical Assembly

- The BOW SX Series is supplied with a choice of 350, 530, 700, or 1000 mA high-performance LED drivers, that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 95%. Rated for -40 °C operations.
- 10 kV surge protector supplied as standard.
- 0-10v Dimming Driver supplied as standard

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

- Button Type Photocell
- Photocell & Receptacle
- Photo Receptacle
- Round Pole Plate Adaptor
- Motion Sensor
- Pole Mounted Motion Sensor
- Universal Pole Mount Adaptor

Listings

BOW SX Series is UL Listed, suitable for wet locations.

IP65

Powder Coated Tough™.

DLC Listed



DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>

Bolt-On Arm Detail



BSX BOA Mount Shown

EPA DATA	BSX-2	BSX-3	BSX-4
	.5	.7	.9

BOW SX 5K Lumen Data

# LEDs	mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5W	Watts
32	350	3554	3407	3139	3482	4172	3580	35
	530	5264	5046	4649	5157	6179	5302	54
	700	6376	6112	5631	6246	7484	6422	72
	1000**	8135	8304	7651	8487	8913	8726	111
48	350	5293	5073	4674	5185	6213	5331	53
	530	7553	7240	6671	7400	8867	7608	81
	700	9533	9138	8420	9340	11191	9603	110
	1000**	12202	12456	11476	12730	13370	13089	166
64	350	6981	6692	6166	6839	8195	7032	71
	530	9882	9472	8728	9681	11600	9954	106
	700	12555	12035	11089	12301	14738	12647	144
	1000**	16269	16608	15302	16974	17827	17452	222

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.90 **Test data pending.



LED Garage Luminaire - Bow



Simple • Linear • Efficient... Bow LED

The new Bow LED luminaire from Visionaire simplifies the task of selecting the best solution for LED parking garage lighting.

Simple

- Two key components, the driver housing and the linear LED arrays are used to complete the Bow.
- Separating the driver housing and the linear LED arrays optimizes the operational life of the LEDs and the Driver(s).
- Bow LED fixtures can be mounted without opening the driver housing. Simple right? See the Speed Mount Bracket™ on page 7.

Linear

- Why is the Bow linear in shape? The linear separation of the LEDs in the Bow minimizes the heat transfer between individual LEDs that is prevalent in a “clustered LED” fixture design. “Clustering” too many LEDs in a small enclosure creates heat.
- Pre-cast concrete parking structures have linear coffers. The Bow LED compliments this linear structure creating an integrated lighting effect and high performance output.
- With two LED arrays in each fixture, the perceived light coverage is maximized for the parking structure pedestrian and driver.

Efficient

- Six different lumen packages combined with optics perfected for parking garage applications make the Bow LED an efficiency machine.
- Minimizing the part count as mentioned above keeps the initial fixture costs efficiently low.
- Foot-candle levels are uniform at 30'x30' spacing and greater in many cases.
- Cast aluminum construction with an IP66 rating ensures years of maintenance free illumination.
- Lighting control options enhance the energy savings already in place with the Bow LED luminaire.

All of the information needed to specify the Bow LED parking garage luminaire can be found on the following pages.



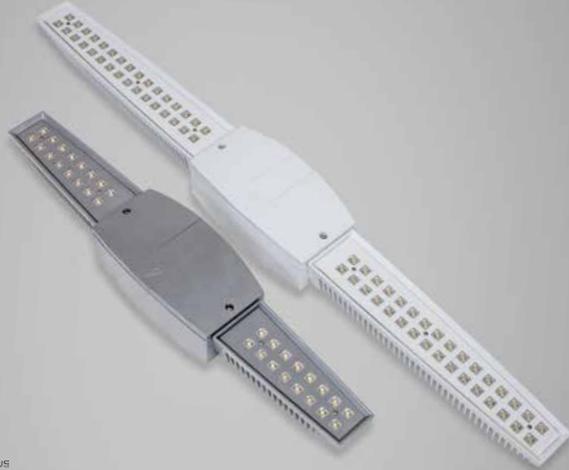
SIZE 1



SIZE 2

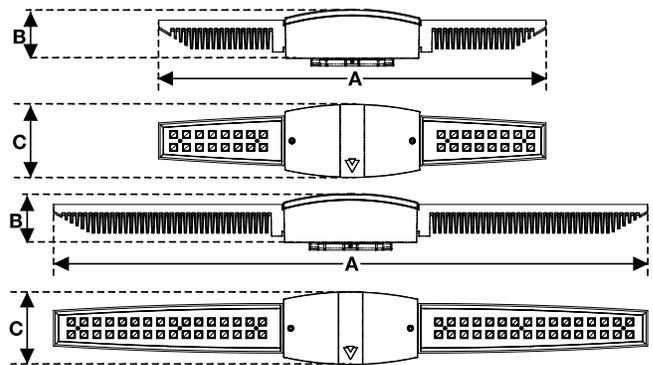


Bow LED



Patent No. USD688403S

Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
BOW-1	29½"	4"	5½"	32	18
BOW-2	46½"	4"	5½"	64	22

The new Bow LED luminaire from Visionaire, simplifies the task of selecting the best solution for LED parking garage lighting. The linear design of the luminaire, compliments the linear design of the pre-cast concrete coffer; creating an integrated lighting effect; and maximizes the perceived lighting coverage. It is an ideal replacement for the high-maintenance fluorescent fixtures of yesterday.

The two LED compartments are die-cast aluminum with external heat radiating fins for maximum heat dissipation; and is available in two sizes with either 32 or 64 LEDs. The separate cast aluminum driver compartment allows the driver to operate cooler for long life. Available for pendant mounting, wall

mounting or choose the shallow speed mount bracket.

Six optical distribution patterns are available. Choose between 4000 or 5500 Kelvin temperature of the LED's.

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

The Bow LED series is an exceptional choice for parking garage lighting and other ceiling mount applications.

Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Options
BOW-1	Type I (T1) 	# of LEDs 32 (32LC)	mA 350 (3)	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	Speed Mount Bracket™ Ceiling Mount (SMB)	Fixture Finish Smooth Black (SBK)	0-10v Dimming Driver No Controls (DIM)
	Type II (T2) 							
BOW-2	Type II (T2) 	64 (64LC)	530 (5)	5500K *Cool white (55K)	347 (8)	Pendant Mount 12" (PM12) 24" (PM24) 36" (PM36)	Smooth White (SWH)	Motion Sensor/Control Watt Stopper FSP-211 22' Distance @ 8' CLG HT Must specify Dimming Driver. (WSC)
	Type III (T3) 							
	Type IV (T4) 							
	Type V (T5) 							
	Type V-W (T5W) 							
							Graphite (GP)	Motion Sensor 20' Distance @ 8' CLG HT Must specify Dimming Driver. Can use with Wireless Control (MS)
							Light Engine Cover Finish Smooth Black (SBK)	Wireless Control (WC) Consult Factory
							Smooth White (SWH)	Bird Deterrent *Works with Pedant Mount only (BD)
							Silver Metallic (SL)	Lightly Diffused Lens (LDL)
							Light engine cover is finished in silver, unless specified to match luminaire.	

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Housing

- The two LED compartments are constructed of heavy-duty, die-cast aluminum, with external heat radiating fins.
- The separate driver housing is constructed of cast aluminum with a cast aluminum cover with captive fasteners; for easy access to the LED driver; allowing for cooler operation and longer life.
- Silicone gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

- The BOW Series provides excellent overall thermal management by maximizing the fixture's dual heat sink capabilities. This enables the Bow Series to withstand higher ambient temperatures and drive currents without degrading LED life. The BOW Series has a low thermal resistance rating. The heat radiating fins create superior thermal management results.
- The L_{70} test determines the point in an LEDs life when it reaches 70 percent of its initial output. The BOW Series LEDs have been determined to last a minimum of 150,000 hours in 25 °C environments when driven at 175 mA. See LED Data Chart for additional test results.

Optical System

- The highest lumen output, Evo/C LEDs are utilized in the BOW Series. IES distribution Types I, II, III, IV, V and V-W are available. 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.
- CRI values are 70 for 4000K and 75 for 5500K.

Quali-Guard Finish

- A Quali-Guard thermoset polyester powder coat painted finish is available in standard and custom colors.

Mounting

- A galvanized steel ceiling mount bracket can be secured directly to a recessed junction box, or to the ceiling for surface mounting of the fixture. Two -20 mounting studs extend from the bracket for easy mounting of the housing to the ceiling mount bracket.
- A cast aluminum mounting hub is supplied with a stem for pendant mount applications.

Electrical Assembly

- The BOW Series is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120v thru 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 entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

- 0-10v Dimming Driver
- Watt Stopper FSP-211
- Motion Sensor
- Wireless Control
- Bird Deterrent
- Lightly Diffused Lens

Listings

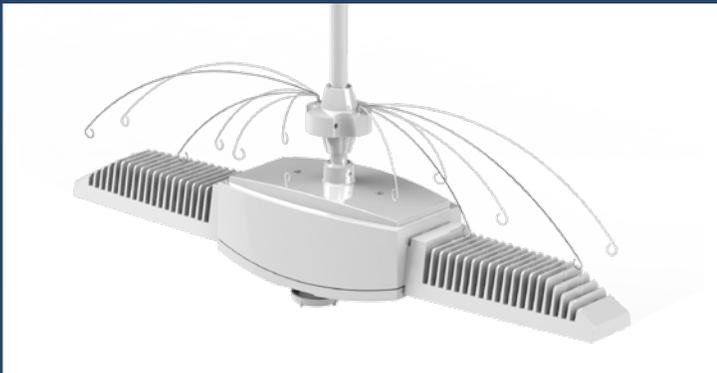
- BOW Series is ETL listed, suitable for wet locations.
- LM79 and LM80.
- RoHS compliant.
- IP66 listed.
- DLC listed.
- Powder Coated Tough™

Patent No. USD688403S



DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>

Bird Deterrent



LED Data Chart for 5500K*

# LEDs	Output mA	System Wattage W	Type 1	Type 2	Type 5	Type 5W
32	350	38	2758	3021	3172	3160
	530	54	4117	4509	4734	4734
	700	72	5215	5711	5997	5681
64	350	72	5287	5517	6344	6341
	530	103	7922	8266	9506	9468
	700	139	9945	10377	11934	11362

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.97



Cross Bow™ Architectural LED Luminaire / Bollard



The new **Cross Bow™** LED Luminaire from Visionaire combines unique contemporary design with new LED technology and provides optimum lighting and energy savings over traditional lighting systems. Choose the Architectural LED Luminaire / Bollard for pedestrian scale or the bollard for low level applications.

LED Technology

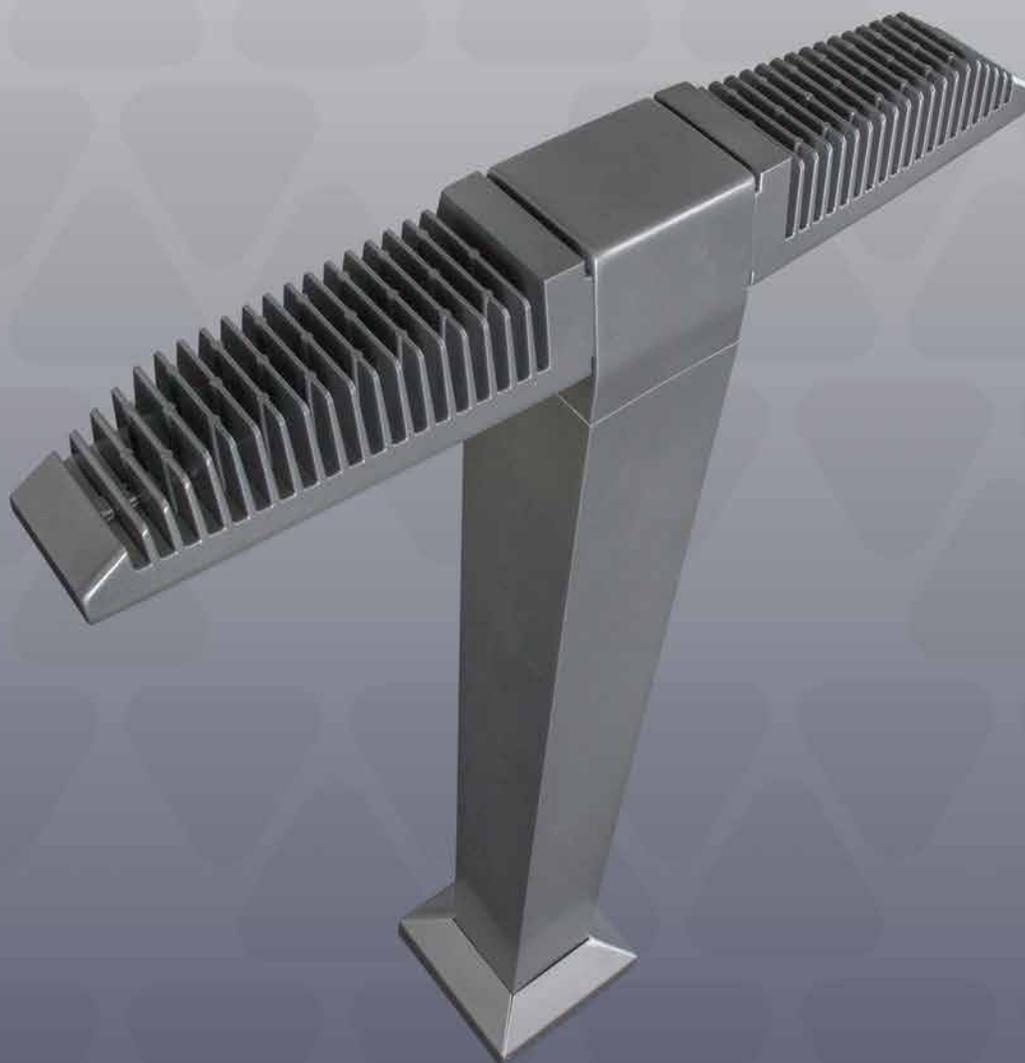
- 16L to 64L LED's available in 350, 530, 700 or 1000 mA ratings.
- 4000 or 5500 Kelvin for natural or white light.
- Full cutoff optics available in six distribution patterns.
- 50,000 to 140,000 hours of life for the LED's

Construction

- Die Cast aluminum construction throughout provides lasting durability for the Cross Bow™ - LED series.
- A cast aluminum driver compartment allows for cooler operation and longer life of the driver.
- Driver maintenance is simplified with quick disconnects provided as a standard feature.
- The LED's are mounted to an die cast aluminum heat sink built to draw heat away from the LED junction points for extended LED life; and are housed totally independent from the driver.

Applications

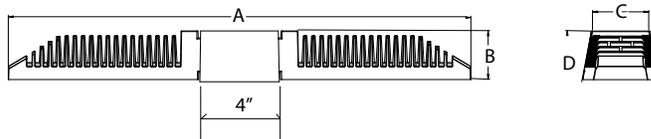
- The Cross Bow™ - LED series can be used for a variety of lighting projects.
- Low level lighting for pathways and landscape lighting
- Higher level lighting for pedestrian and walkway lighting
- 19 to 213 watts of energy efficient lighting.



Cross Bow LED



Dimensional Drawings



Fixture	A	B	C	D	Max. Watts	Lbs
C-Bow-1	24"	2½"	4"	3¼"	118W	16

The new Cross Bow LED Series continues the unique contemporary design inspired by the sleek styling of the BOW™ family. Separating the Driver(s) from the individual die-cast aluminum linear 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 LEDs; and are offered in up to 32 LED's.

Six optical distribution patterns are available. Choose between 4000 or 5000 Kelvin temperature of the LED's.

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

The Cross Bow LED series is an exceptional choice for low level lighting applications.

Model	Model	Optics	Source	Current	Kelvin	Voltage	Mounting	Finish	Options	
C-BOW-1	36" (3)	Type I (T1)	# of LEDs C-BOW-1	mA	4000K	120-277	Anchor Base (ANCHOR BOLT KIT SUPPLIED) (AB)	Bronze (BZ)	<u>Button Type Photocell</u> *Specify voltage (PC120) (PC208) (PC240) (PC277) 0-10v Dimming Driver No Controls (DIM) Dual Circuit *Doubles Only (DC)	
		42" (3.5)	Type II (T2)	16 (16LC) *Single	350 (3)	*Neutral white (4K)		*Universal voltage (UNV)		Black (BK)
			Type III (T3)	32 (32LC) *Double	530 (5)	5000K *Cool white (5K)				Smooth Black (SBK)
			Type IV (T4)		700 (7)					White (WH)
			Type V (T5)		1000 (10)					Smooth White (SWH)
			Type V-W (T5W)							Graphite (GP)
						Grey (GY)				
						Silver Metallic (SL)				
						Custom Color (CC)				

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

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 140,000 hours in 25° C environments when driven at 350 mA.

Optical System

• The highest lumen output, Evo/C LEDs are utilized in the Cross Bow Series. IES distribution Types I, II, III, IV, V and V-W are available. LED light assemblies come in multiples of 16 LEDs. The optical system qualifies as IES full cutoff; and is Dark-Sky certified to restrict light trespass, glare and light pollution. CRI values are 70 for 4000K and 75 for 5000K.

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 to 1000 mA high-performance LED drivers that accept 120v thru 347v, 50 Hz to 60 Hz, input.
• 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.

Options

- Button Type Photocell
- 0-10v Dimming Driver
- Dual Circuit

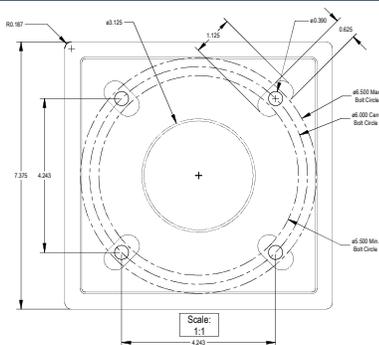
Listings

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



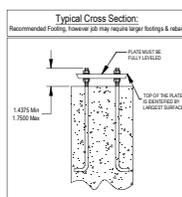
DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>

BASE DETAIL



Base Template:

Aluminum Shaft 4" Square
for 3/8" Anchor Bolts



ALTERNATE VIEW



Cross Bow 5K Lumen Data

# Of Sides	# Of LEDs	mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5W	Wattage
1	16	350	1044	1085	1013	1173	1256	1296	17
		530	1656	1721	1606	1860	1993	2056	25
		700	2626	2730	2548	2950	3160	3261	34
		1000	3532	3671	3426	3967	4250	4385	48
2	32	350	2088	2170	2025	2345	2512	2592	34
		530	3311	3442	3212	3719	3985	4112	51
		700	5252	5460	5095	5900	6320	6521	74
		1000	7063	7342	6851	7933	8499	8770	118

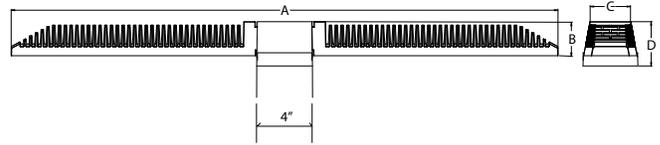
Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.90

Cross Bow LED



Dimensional Drawings



Fixture	A	B	C	D	Max. Watts	Lbs
C-Bow-2	40"	2½"	4"	¾"	232W	22

The Cross Bow LED Series continues the unique contemporary design inspired by the sleek styling of the Bow™ family. Separating the Driver(s) from the individual die-cast aluminum linear 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 32 LEDs; and are offered in up to 64 LED's.

Six optical distribution patterns are available. Choose between 4000 or 5000 Kelvin temperature of the LED's.

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

The Cross Bow LED series is an exceptional choice for pedestrian scale lighting applications.

Model	Model	Optics	Source	Current	Kelvin	Voltage	Mounting	Finish	Options
C-BOW-2	9 FT. (9)	Type I (T1) 	# of LEDs C-BOW-2 32 (32LC) *Single	mA 700 (7)	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	Anchor Base (ANCHOR BOLT KIT SUPPLIED) (AB)	Bronze (BZ)	<u>Button Type Photocell</u> *Specify voltage (PC120) (PC208) (PC240) (PC277) Wireless Control Consult Factory (WC) Dimming Control Consult Factory 0-10v Dimming Driver No Controls (DIM) Dual Circuit *Doubles Only (DC)
	10 FT. (10)	Type II (T2) 	64 (64LC) *Double	1000 (10)	5000K *Cool white (5K)	347 (8)		Black (BK)	
	11 FT. (11)	Type III (T3) 						Smooth Black (SBK)	
		Type IV (T4) 						White (WH)	
		Type V (T5) 						Smooth White (SWH)	
		Type V-W (T5W) 						Graphite (GP)	
								Grey (GY)	
								Silver Metallic (SL)	
								Custom Color (CC)	

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

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 140,000 hours in 25° C environments when driven at 350 mA.

Optical System

• The highest lumen output, Evo/C LEDs are utilized in the Cross Bow Series. IES distribution Types I, II, III, IV, V and V-W are available. LED light assemblies come with 32 LEDs. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution. CRI values are 70 for 4000K and 75 for 5000K.

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 700 to 1000 mA high-performance LED drivers that accept 120v thru 347v, 50 Hz to 60 Hz, input.

• 10 kV surge protector supplied as standard.

Warranty

• Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit www.visionairelighting.com.

Options

- Button Type Photocell
- Wireless Control
- Dimming Control
- 0-10v Dimming Driver
- Dual Circuit

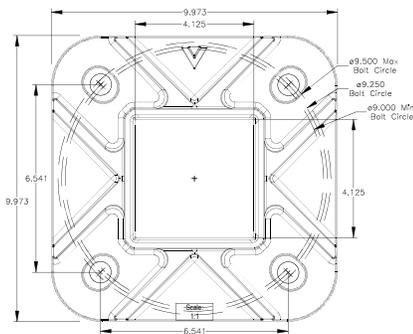
Listings

- Cross Bow Series is ETL listed, suitable for wet locations.
- LM79 and LM80
- RoHS compliant
- IP66 Rated
- DLC Listed
- Powder Coated Tough™

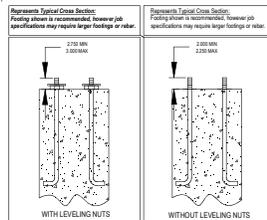


DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>

BASE DETAIL



Base Template: Aluminum Shaft 4" Square for 3/4 Anchor Bolts



Cross Bow 5K Lumen Data

# Of Sides	# Of LEDs	mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5W	Wattage
1	32	350	2904	3019	2817	3262	3495	3606	34
		530	3906	4060	3789	4387	4700	4849	51
		700	5252	5460	5095	5900	6320	6521	74
		1000	7063	7342	6851	7933	8499	8770	119
2	64	350	3720	3867	3609	4197	4476	4619	68
		530	5900	6133	5724	6628	7100	7326	102
		700	9359	9728	9079	10512	11261	11620	142
		1000	14843	15430	14399	16673	17861	18430	232

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* For 4000K multiply values by 0.90



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