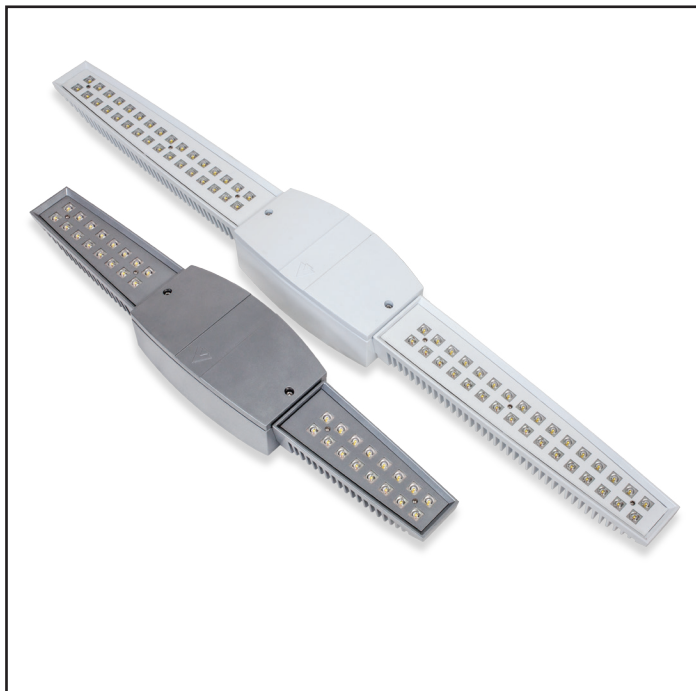


# BOW Wildlife Certified LED Specifications



Project Name:

Catalog Number:

Type:

The **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 LED light engines 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.

Eight optical distribution patterns are available. 590 nm diode supplied as standard.

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.

## Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS
<b>BOW-1</b>	<b>T1</b> Type 1	<b>32LC</b>	<b>3</b> 350mA	<b>TS</b> 590 nm	<b>UNV</b> 120-277V	<b>SMB</b> Speed Mount Bracket Ceiling Mount	<b>BZ</b> Bronze	<b>WSC-8</b> Motion Sensor 8' Mounting Height
<b>BOW-2</b>	<b>T2</b> Type 2	<b>64LC</b>	<b>5</b> 530mA		<b>8</b> 347V	<b>PM12</b> Pendant Mount 12" 30" Leads	<b>BK</b> Black	<b>WSC-20</b> Motion Sensor 9-20' Mounting Height
	<b>T3</b> Type 3				<b>5</b> 480V	<b>PM24</b> Pendant Mount 24" 42" Leads	<b>SBK</b> Smooth Black	<b>WSC-40</b> Motion Sensor 21-40' Mounting Height
	<b>T4</b> Type 4					<b>PM36</b> Pendant Mount 36" 54" Leads	<b>WH</b> White	The WSC option will require (1) FSIR 100 remote for programming
	<b>T4A</b> Type 4 Automotive					<b>WM</b> Wall Mount	<b>SWH</b> Smooth White	
	<b>T5</b> Type 5					<b>UPL12</b> Up Light Mount 12"	<b>GP</b> Graphite	<b>MS</b> Motion Sensor On/Off
	<b>T5W</b> Type 5 Wide					<b>UPL24</b> Up Light Mount 24"	<b>GY</b> Grey	<b>DIM</b> 0-10v Dimming Driver
	<b>T5WR</b> Type 5 Wide Round					<b>UPL36</b> Up Light Mount 36"  Up Light Pendant Mount for indoor applications only.	<b>SL</b> Silver Metallic	<b>WVC</b> Visionaire Wireless Controls Consult Factory
							<b>CC</b> Custom Color	<b>EBPL</b> Emergency Battery Pack
								<b>BD</b> Bird Deterrent Pendant Mount Only
								<b>LDL</b> Lightly Diffused Lens
								<b>LS</b> Light Shield

## Housing

- 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 dissipation.
- The L70 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 100,000 hours in 25 °C environments when driven at 350 mA.

## Optical System

- The highest lumen output LEDs are utilized in the BOW Series.
- IES distribution Types 1, 2, 3, 4, 4A, 5, 5W and 5WR are available.
- LED light assemblies come in multiples of 16 or 32 LEDs.
- 590 nm diode supplied as standard.

## 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.
- 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 3/8" NPT 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 to +55° C operations.
- THD less than or equal to 20%
- 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

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

## Listings

- ETL Listed
- LM79 and LM80
- RoHS compliant
- IP66 Rated
- Powder Coated Tough™
- IDA Certification
- Turtle Safe
- Certified Wildlife Lighting

Patent No. USD688403S



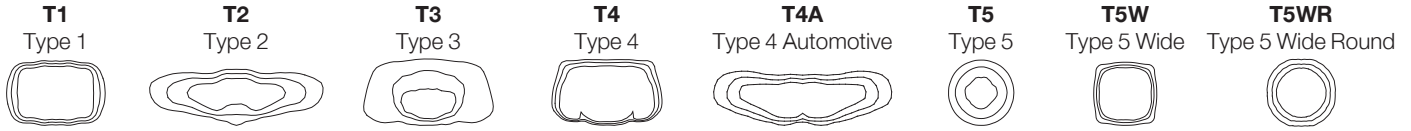
The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.



Motion Sensor Default Setting									
Type	High Mode	Low Mode	Time Delay	Cut off Delay	Sensitivity	Hold Off Setpoint	Photocell On/Off	Ramp Up Time	Fade Down Time
WSC - Default	10V	1V	5 Min	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Min	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

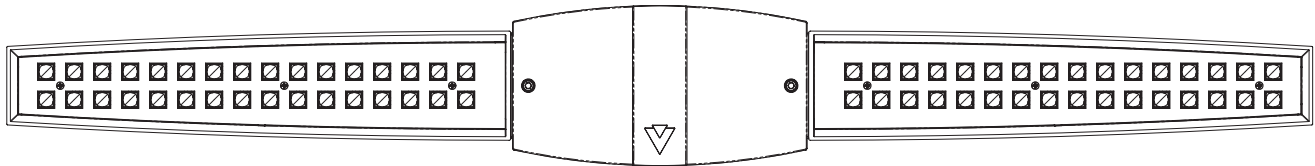
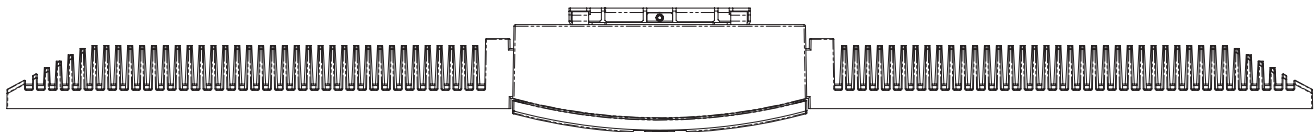
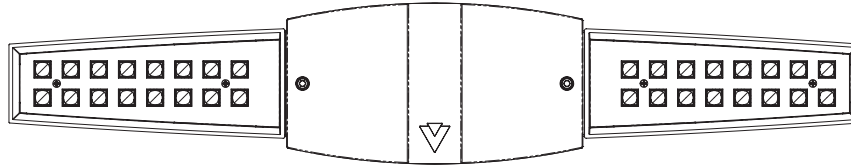
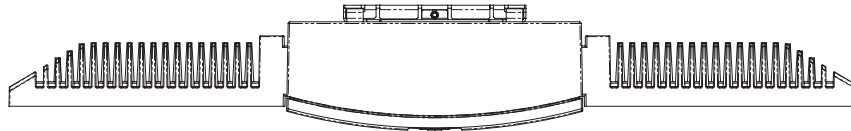
# BOW Wildlife Certified LED Specifications

## Photometric Optical Summary

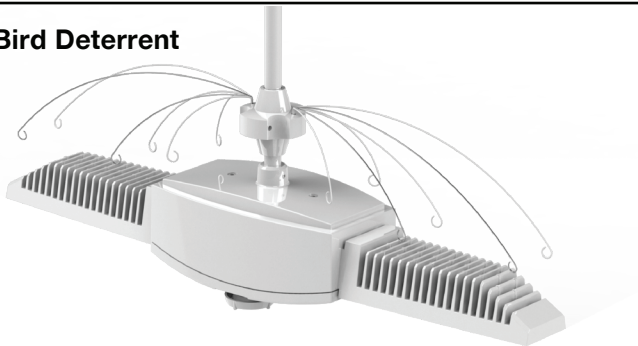


## Dimensions

<b>Width:</b>	BOW-1 5.5"	<b>Width:</b>	BOW-2 5.5"
<b>Height:</b>	BOW-1 4.5"	<b>Height:</b>	BOW-2 4.5"
<b>Depth:</b>	BOW-1 30"	<b>Depth:</b>	BOW-2 46.5"
<b>Weight:</b>	BOW-1 18 LBS	<b>Weight:</b>	BOW-2 22 LBS



## Bird Deterrent



## Up Light Mount



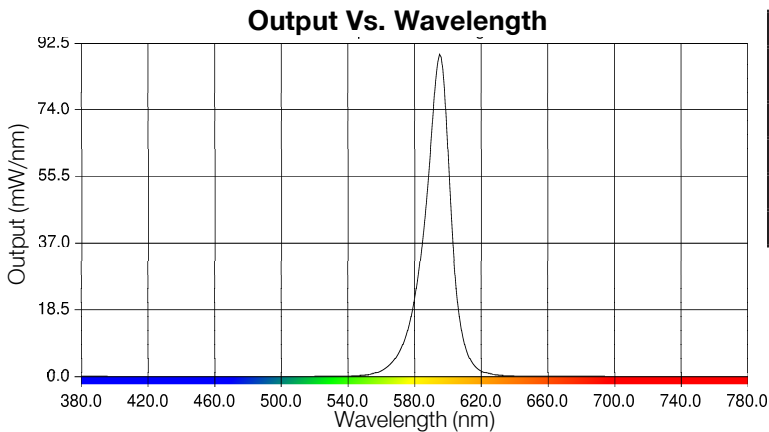
BOW Wildlife Certified TS (590 nm) LUMEN DATA										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Watts
32	350	969	916	917	877	957	963	935	915	35
	530	1404	1327	1329	1271	1387	1396	1355	1326	57
64	350	1949	1842	1845	1765	1925	1938	1881	1842	74
	530	2820	2665	2670	2553	2785	2804	2721	2665	108

BOW Wildlife Certified TS (590 nm) LPW DATA										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Watts
32	350	28	26	26	25	27	28	27	26	35
	530	25	23	23	22	24	24	24	23	57
64	350	26	25	25	24	26	26	25	25	74
	530	26	25	25	24	26	26	25	25	108

BOW Wildlife Certified TS (590 nm) BUG DATA																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Watts
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G				
32	350	1	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0	35
	530	1	0	1	0	0	1	0	0	1	0	0	1	0	0	1	1	0	0	1	0	0	1	0	1	57
64	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	0	2	0	0	1	0	1	74
	530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	0	2	0	1	2	0	1	108



BOW Wildlife Certified - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
BOW-1-T5W-32LC-3	35	0.29	0.17	0.15	0.13	0.10	0.07
BOW-1-T5W-32LC-5	57	0.48	0.27	0.24	0.21	0.16	0.12
BOW-2-T5W-64LC-3	74	0.62	0.36	0.31	0.27	0.21	0.15
BOW-2-T5W-64LC-5	108	0.90	0.52	0.45	0.39	0.31	0.23