

VSX-II Wildlife Certified LED Specifications



Project Name:

Catalog Number:

Type:

The **VSX-II LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED's performance and the driver's life are maximized by enclosing them in two separate cast aluminum housings. Easy captive screw access for mounting and maintenance.

The LED light assemblies come with 16 to 48 LEDs. Eight optical distribution patterns are available.

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

The **VSX-II LED** series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Ordering Information

MODEL	OPTICS	LEDs	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS	OPTIONS
VSX-II	T1 Type 1	16LC	3 350mA	TS 590 nm	UNV 120-277V	AM Arm Mount	BZ Bronze	PCR-120	UMAP Universal Mast arm fitter	UPMA-S Universal Square Pole Mount Adaptor
	T2 Type 2	32LC	5 530mA		8 347V	SAM Straight Arm Mount W/ Terminal Block (New Construction)	BK Black	PCR-208	ECLS Egg Crate Louver Shield	UPMA-R Universal Round Pole Mount Adaptor
	T3 Type 3	48LC			5 480V	UAM Universal ArmW/ Terminal Block Mount (Retrofit)	SBK Smooth Black	PCR-240	ADJLS Adjustable Louver Light Shield	BAWP Cast Wall Plate
	T4 Type 4					MAF Mast Arm Fitter	WH White	PCR-277	BD Barn Door Shield	CLS Backside cutoff shield *Not to be used with KM
	T4A Type 4 Automotive					KM Knuckle Mount	SWH Smooth White	PCR-347	BBG Bird Deterrent Plastic Spikes	RCLS Rightside cutoff shield *Not to be used with KM
	T5 Type 5					WM Wall Mount *Requires BAWP	GP Graphite	PCR-480 Photocell & Receptacle		LCLS Leftside cutoff shield *Not to be used with KM
	T5W Type 5 Wide					AWM Adjustable Wall Mount	GY Grey	PER		HS Customizable House Shield
	T5WR Type 5 Wide Round					*Round Pole Plate Adaptors (RPP) are to be ordered separately.	SL Silver Metallic	5PINPER		4SS Four sided shield 4" tall
						*BAWP to be ordered separately	CC Custom Color	7PINPER 3, 5, or 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver		
								DIM 0-10v Dimming Driver		
								RPP-3"		
								RPP-4"		
								RPP-5" Round Pole Plate Adaptor		
								VWC Visionaire Wireless Controls *Consult Factory		

Housing

Cast aluminum LED housing with integral cooling fins for thermal management.

Mounting Arm/Driver Compartment

Durable two-piece cast aluminum driver compartment utilizes a captive screw for ease of maintenance and sealed with a one-piece silicone gasket.

Thermal Management

- The VSX-II series provides excellent thermal management by mounting the LEDs to the substantial heat sink of the housing. This enables the Luminaire to withstand higher ambient temperatures and driver 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 VSX series LEDs have been determined to last 100,000+ hours in 25° C environments when driven at 350 mA.

Optical System

- The highest lumen output LEDs are utilized in the VSX-II series.
- IES distribution Types 1, 2, 3, 4, 4A, 5, 5W and 5WR are available.
- The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
- 590 nm diode supplied as standard.

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.

Electrical Assembly

- The VSX-II LED 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.
- Terminal block supplied as standard.

Warranty

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

Options

- Photocell & receptacle
- Photo receptacle
- 0-10v Dimming Driver
- Motion Sensor
- Wireless Control
- Round pole plate adapter
- Universal Pole Mount Adaptor
- Cast Wall Plate
- Rotated Optics

Listings

- The VSX-II Series is cUL Listed
- IP65 Rated
- Powder Coated Tough™
- IDA Certification
- Turtle Safe
- Certified Wildlife Lighting



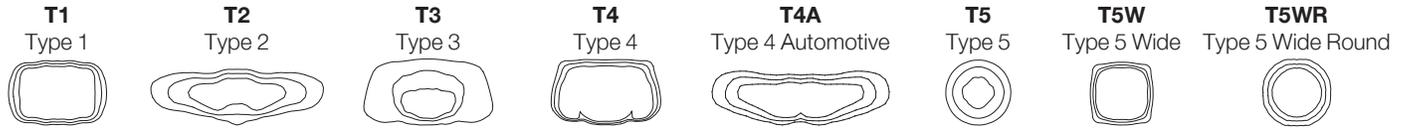
The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.



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

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Photometric Optical Summary



VSX EPA Data	
Front	Side
.45	.58

Dimensions

Width: VSX-II 12.5"

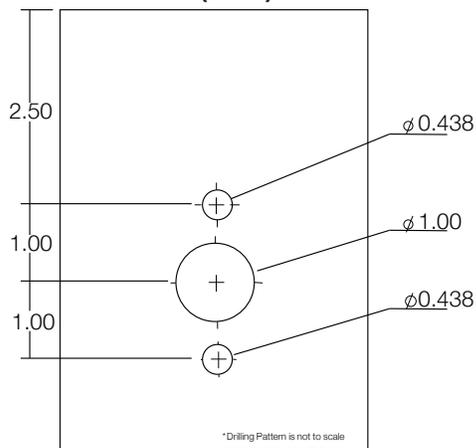
Depth: VSX-II 23"

Height: VSX-II 4"

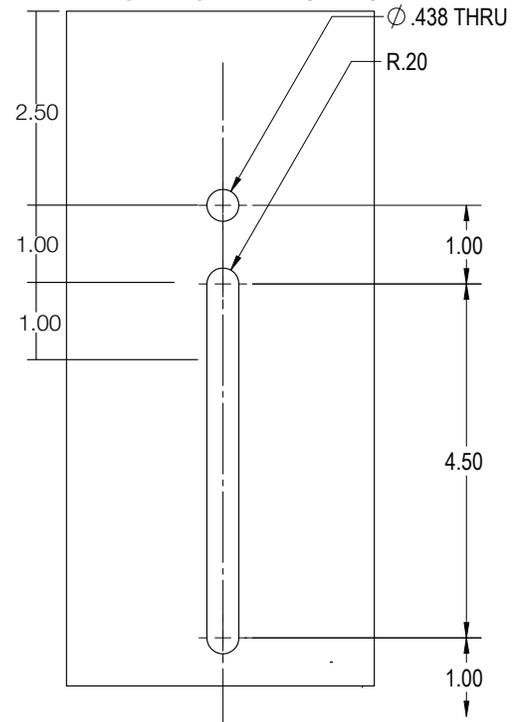
Overall Height: VSX-II 8"

Weight: 25 LBS

Drilling Template for (AM) and (SAM)



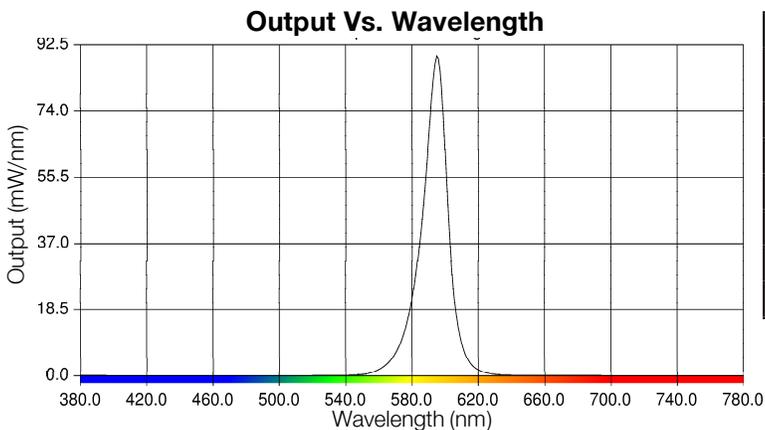
Drilling Template for (UAM)



VSX-II Wildlife Certified TS (590 nm) LUMEN DATA										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
16	350	600	552	557	545	602	587	555	544	18
	530	805	741	747	731	808	787	745	730	26
32	350	1209	1112	1121	1097	1213	1182	1117	1096	37
	530	1622	1492	1504	1472	1628	1585	1499	1470	52
48	350	1813	1668	1681	1646	1820	1773	1676	1644	55
	530	2433	2238	2256	2208	2442	2378	2249	2205	78

VSX-II Wildlife Certified TS (590 nm) LPW DATA										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
16	350	33	31	31	30	33	33	31	30	18
	530	31	28	29	28	31	30	29	28	26
32	350	33	30	30	30	33	32	30	30	37
	530	31	29	29	28	31	30	29	28	52
48	350	33	30	31	30	33	32	30	30	55
	530	31	29	29	28	31	30	29	28	78

VSX-II Wildlife Certified TS (590 nm) BUG DATA																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G				
16	350	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	18
	530	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	26
32	350	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	37
	530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	0	1	0	0	1	0	0	52
48	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	0	1	0	0	1	0	1	55
	530	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	78



VSX-II Wildlife Certified - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
VSX-II-T5-16LC-3	18	0.15	0.09	0.08	0.06	0.05	0.04
VSX-II-T5-16LC-5	26	0.22	0.13	0.11	0.09	0.07	0.05
VSX-II-T5-32LC-3	37	0.31	0.18	0.15	0.13	0.11	0.08
VSX-II-T5-32LC-5	52	0.43	0.25	0.22	0.19	0.15	0.11
VSX-II-T5-48LC-3	55	0.46	0.26	0.23	0.2	0.16	0.11
VSX-II-T5-48LC-5	78	0.65	0.38	0.33	0.28	0.22	0.16