VSX LED Specifications

Project Name:

Catalog Number:

Type:

The VSX 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. Choose between 3000, 4000 or 5000 Kelvin temperature of the LEDs.

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

The VSX 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
VSX-1	**T1** **T2** **T3** **T4** **T4A** **T5** **T5W** **T5WR**	**16LC** **32LC** **48LC**	**3** 350mA **5** 530mA **7** 700mA **10** 1050mA	**3K** 3000K **4K** 4000K **5K** 5000K	**UNV** *120-277V **8** 347V **5** 480V	**AM** Arm Mount **WM** Wall Mount *Requires BAWP Round Pole Plate Adaptors (RPP) are to be ordered separately. BAWP to be ordered separately.	**BZ** Bronze **BK** Black **SBK** Smooth Black **WH** White **SWH** Smooth White **GP** Graphite **GY** Grey **SL** Silver Metallic **CC** Custom Color	**PCR-120** Photocell & Receptacle **PCR-208** Photocell & Receptacle **PCR-240** Photocell & Receptacle **PCR-277** Photocell & Receptacle **PCR-480** Photocell & Receptacle **PER** 3 Pin Photo Receptacle w/shorting cap **5PINPER** 5 Pin Photo Receptacle w/shorting cap Requires Dimming Driver **7PINPER** 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver **DIM** 0-10v Dimming Driver **WSC-8** Motion Sensor 8' Mounting Height **WSC-20** Motion Sensor 9-20' Mounting Height **WSC-40** Motion Sensor 21-40' Mounting Height This option will require (1) FSIR 100 remote for programing **VWC** Visionaire Wireless Controls *Consult Factory	**RPP3** For 3"Ø Pole - Round Pole Plate Adaptor **RPP4** For 4"Ø Pole - Round Pole Plate Adaptor **RPP5** For 5"Ø Pole - Round Pole Plate Adaptor **UPMA** Universal Pole Mount Adaptor **UPMA-R** Universal Round Pole Mount Adaptor **BAWP** Cast Wall Plate **ROT-R** Rotated Optics Right Side **ROT-L** Rotated Optics Left Side **CLS** Back Side Cutoff Louver Shield **RCLS** Right Side Cutoff Louver Shield **LCLS** Left Side Cutoff Louver Shield

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 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 series. IES distribution Types I, II, III, IV, IV-A , V, V-W and V-WR are available. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
· 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 400º 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 LED 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 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
· Cut-Off Louver Shield
· Rotated Optics

Listings
· The VSX Series is cUL Listed
· DLC Listed
· IP65 Rated
· IDA Certification
· 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/
3000K must be selected for IDA certification.

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www.visionairelighting.com

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Photometric Optical Summary

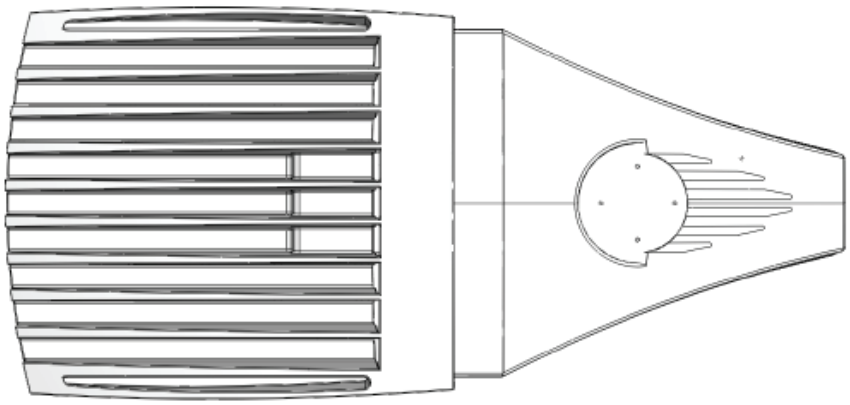
Not all optics are available on all fixtures. Check ordering chart for availability

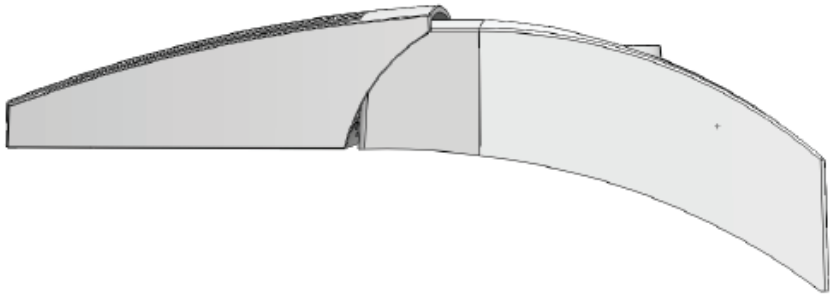
Type I (T1)	Type II (T2)	Type III (T3)	Type IV (T4)	Type IVA (T4A)	Type V (T5)	Type VW (T5W)
						

VSX EPA Data	
Front	Side
.45	.58

Dimensions

Width:	VSX-1	12.5”
Depth:	VSX-1	23”
Height:	VSX-1	4”
Overall Height:	VSX-1	8”
Weight:	25 LBS	





VSX 3K Lumen Data										
#LED's	mA	Type 1	Type 2	Type 3	Type 4	Type 4A	Type 5	Type 5W	Type 5WR	Watts
16	350	2413	2220	2238	2190	2422	2359	2231	2187	18
	530	3237	2978	3002	2938	3249	3165	2993	2935	26
	700	4273	3931	3963	3878	4289	4177	3950	3874	37
	1050	6049	5565	5610	5490	6071	5913	5592	5484	56
32	350	4859	4470	4506	4410	4876	4750	4492	4405	37
	530	6519	5997	6046	5917	6543	6373	6026	5910	52
	700	8604	7916	7980	7810	8636	8412	7955	7801	74
	1050	12097	11130	11219	10980	12141	11826	11184	10967	112
48	350	7288	6705	6759	6615	7315	7125	6738	6607	55
	530	9778	8996	9069	8875	9814	9559	9040	8865	78
	700	12906	11874	11970	11715	12954	12617	11932	11701	105
	1050	18146	16694	16829	16470	18212	17739	16775	16451	160
VSX 4K Lumen Data										
#LED's	mA	Type 1	Type 2	Type 3	Type 4	Type 4A	Type 5	Type 5W	Type 5WR	Watts
16	350	2540	2337	2355	2305	2549	2483	2348	2320	18
	530	3408	3135	3160	3093	3420	3331	3150	3113	26
	700	4498	4138	4171	4082	4514	4397	4158	4109	37
	1050	6367	5858	5905	5779	6390	6224	5886	5816	56
32	350	5114	4705	4743	4642	5133	5000	4728	4672	37
	530	6862	6313	6364	6228	6887	6708	6344	6268	52
	700	9057	8333	8400	8221	9090	8854	8373	8273	74
	1050	12734	11715	11810	11558	12781	12448	11772	11632	112
48	350	7671	7058	7115	6963	7700	7500	7092	7008	55
	530	10293	9470	9546	9342	10331	10062	9516	9402	78
	700	13586	12499	12600	12331	13636	13281	12560	12410	105
	1050	19101	17573	17715	17337	19171	18673	17658	17448	160
VSX 5K Lumen Data										
#LED's	mA	Type 1	Type 2	Type 3	Type 4	Type 4A	Type 5	Type 5W	Type 5WR	Watts
16	350	2437	2242	2260	2212	2446	2383	2253	2210	18
	530	3270	3008	3033	2968	3282	3197	3023	2965	26
	700	4316	3971	4003	3918	4332	4219	3990	3913	37
	1050	6110	5621	5666	5545	6132	5973	5648	5539	56
32	350	4908	4515	4552	4454	4926	4798	4537	4449	37
	530	6585	6058	6107	5977	6609	6437	6087	5970	52
	700	8691	7996	8061	7889	8723	8496	8035	7880	74
	1050	12219	11242	11333	11091	12264	11945	11297	11078	112
48	350	7362	6773	6827	6682	7389	7197	6806	6674	55
	530	9877	9087	9160	8965	9913	9656	9131	8954	78
	700	13037	11994	12091	11833	13085	12745	12052	11819	105
	1050	18329	16863	16999	16636	18396	17918	16945	16617	160

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configuration shown, within the tolerances allowed by Lighting Facts. Contact the factory for performance data on any configuration not shown here.

VSX LED Specifications

VSX 3K LPW Data									
#LED's	mA	Type 1	Type 2	Type 3	Type 4	Type 4A	Type 5	Type 5W	Type 5WR
16	350	134	123	124	122	135	131	124	122
	530	125	115	115	113	125	122	115	113
	700	115	106	107	105	116	113	107	105
	1050	108	99	100	98	108	106	100	98
32	350	131	121	122	119	132	128	121	119
	530	125	115	116	114	126	123	116	114
	700	116	107	108	106	117	114	108	105
	1050	108	99	100	98	108	106	100	98
48	350	133	122	123	120	133	130	123	120
	530	125	115	116	114	126	123	116	114
	700	123	113	114	112	123	120	114	111
	1050	113	104	105	103	114	111	105	103
VSX 4K LPW Data									
#LED's	mA	Type 1	Type 2	Type 3	Type 4	Type 4A	Type 5	Type 5W	Type 5WR
16	350	141	130	131	128	142	138	130	129
	530	131	121	122	119	132	128	121	120
	700	122	112	113	110	122	119	112	111
	1050	114	105	105	103	114	111	105	104
32	350	138	127	128	125	139	135	128	126
	530	132	121	122	120	132	129	122	121
	700	122	113	114	111	123	120	113	112
	1050	114	105	105	103	114	111	105	104
48	350	139	128	129	127	140	136	129	127
	530	132	121	122	120	132	129	122	121
	700	129	119	120	117	130	126	120	118
	1050	119	110	111	108	120	117	110	109
VSX 5K LPW Data									
#LED's	mA	Type 1	Type 2	Type 3	Type 4	Type 4A	Type 5	Type 5W	Type 5WR
16	350	135	125	126	123	136	132	125	123
	530	126	116	117	114	126	123	116	114
	700	117	107	108	106	117	114	108	106
	1050	109	100	101	99	110	107	101	99
32	350	133	122	123	120	133	130	123	120
	530	127	117	117	115	127	124	117	115
	700	117	108	109	107	118	115	109	106
	1050	109	100	101	99	110	107	101	99
48	350	134	123	124	121	134	131	124	121
	530	127	117	117	115	127	124	117	115
	700	124	114	115	113	125	121	115	113
	1050	115	105	106	104	115	112	106	104

VSX 3K BUG Data

		Type 1			Type 2			Type 3			Type 4			Type 4A			Type 5			Type 5W			Type T5WR		
#LED's	mA	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G
16	350	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1
	530	2	0	2	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1
	700	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	3	0	1
	1050	3	0	3	1	0	2	1	0	1	1	0	2	1	0	1	3	0	1	3	0	1	3	0	1
32	350	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	2	0	1	3	0	1	3	0	1
	530	3	0	3	1	0	2	1	0	2	1	0	2	1	0	1	3	0	1	3	0	1	3	0	1
	700	3	0	3	2	0	3	1	0	2	2	0	2	1	0	1	3	0	1	3	0	2	3	0	2
	1050	3	0	3	2	0	3	2	0	2	2	0	2	2	0	1	3	0	2	4	0	2	4	0	2
48	350	3	0	3	2	0	2	1	0	2	1	0	2	1	0	1	3	0	1	3	0	1	3	0	2
	530	3	0	3	2	0	3	1	0	2	2	0	2	2	0	1	3	0	2	3	0	2	3	0	2
	700	3	0	3	2	0	3	2	0	2	2	0	3	2	0	2	3	0	2	4	0	2	4	0	2
	1050	4	0	4	3	0	3	2	0	3	3	0	3	2	0	2	4	0	2	4	0	2	4	0	2

VSX 4K BUG Data

		Type 1			Type 2			Type 3			Type 4			Type 4A			Type 5			Type 5W			Type T5WR		
#LED's	mA	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G
16	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1
	530	2	0	2	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1
	700	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	3	0	1
	1050	3	0	3	1	0	2	1	0	2	1	0	2	1	0	1	3	0	1	3	0	1	3	0	1
32	350	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	2	0	1	3	0	1	3	0	1
	530	3	0	3	2	0	2	1	0	2	1	0	2	1	0	1	3	0	1	3	0	1	3	0	1
	700	3	0	3	2	0	3	1	0	2	2	0	2	1	0	1	3	0	1	3	0	2	3	0	2
	1050	3	0	3	2	0	3	2	0	2	2	0	3	2	0	2	3	0	2	4	0	2	4	0	2
48	350	3	0	3	2	0	2	1	0	2	2	0	2	1	0	1	3	0	1	3	0	1	3	0	2
	530	3	0	3	2	0	3	1	0	2	2	0	2	2	0	1	3	0	2	3	0	2	4	0	2
	700	3	0	3	2	0	3	2	0	2	2	0	3	2	0	2	3	0	2	4	0	2	4	0	2
	1050	4	0	4	3	0	4	2	0	3	3	0	3	2	0	2	4	0	2	4	0	2	4	0	2

VSX 5K BUG Data

		Type 1			Type 2			Type 3			Type 4			Type 4A			Type 5			Type 5W			Type T5WR		
#LED's	mA	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G
16	350	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1
	530	2	0	2	1	0	1	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	2	0	1
	700	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1	3	0	1
	1050	3	0	3	1	0	2	1	0	1	1	0	2	1	0	1	3	0	1	3	0	1	3	0	1
32	350	2	0	2	1	0	2	1	0	1	1	0	1	1	0	1	2	0	1	3	0	1	3	0	1
	530	3	0	3	1	0	2	1	0	2	1	0	2	1	0	1	3	0	1	3	0	1	3	0	1
	700	3	0	3	2	0	3	1	0	2	2	0	2	1	0	1	3	0	1	3	0	2	3	0	2
	1050	3	0	3	2	0	3	2	0	2	2	0	2	2	0	1	3	0	2	4	0	2	4	0	2
48	350	3	0	3	2	0	2	1	0	2	1	0	2	1	0	1	3	0	1	3	0	1	3	0	2
	530	3	0	3	2	0	3	1	0	2	2	0	2	2	0	1	3	0	2	3	0	2	3	0	2
	700	3	0	3	2	0	3	2	0	2	2	0	3	2	0	2	3	0	2	4	0	2	4	0	2
	1050	4	0	4	3	0	3	2	0	3	3	0	3	2	0	2	4	0	2	4	0	2	4	0	2