VSX-II Array LED Specifications

*Universal Arm Mount (UAM) Version Shown.

Project Name:

Catalog Number:

Type:

The new **VSX-II Array LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines the latest LED Array technology, advanced LED thermal management 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 die cast aluminum housings.

The VSX-II Array LED fixture is offered with lumen packages ranging from 5,000 - 25,000. Ten 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-II Array LED** series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS	OPTIONS
VSX-II	**T1** Type 1 **T2** Type 2 **T3** Type 3 **T3L** Type 3 Long **T4** Type 4 **T4L** Type 4 Long **T4A** Type 4 Automotive **T5SR** Type 5 Short Round **T5LR** Type 5 Long Round **T5LS** Type Long Square	**5L** **10L** **15L** **20L** **25L**	**3K** 3000K **4K** 4000K **5K** 5000K	**UNV** 120-277V **8** 347V **5** 480V	**AM** Arm Mount **SAM** Straight Arm Mount W/ Terminal Block (New Construction) **UAM** Universal ArmW/ Terminal Block Mount (Retrofit) **MAF** Mast Arm Fitter **KM** Knuckle Mount **WM** Wall Mount *Requires BAWP **AWM** Adjustable Wall Mount *Round Pole Plate Adapters (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** **PCR-208** **PCR-240** **PCR-277** **PCR-347** **PCR-480** Photocell & Receptacle **PER** **5PINPER** **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	**WSC-8** Motion Sensor 8' Mounting Height **WSC-20** Motion Sensor 9-20' Mounting Height **WSC-40** Motion Sensor 21-40' Mounting Height *The WSC option will require (1) FSIR 100 remote for programing **UMAP** Universal Mast arm fitter **ECLS** Egg Crate Louver Shield **ADJLS** Adjustable Louver Light Shield **BD** Barn Door Shield	**UPMA-S** Universal Square 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** Backside cutoff shield *Not to be used with KM **RCLS** Rightside cutoff shield *Not to be used with KM **LCLS** Leftside cutoff shield *Not to be used with KM **HS** House shield

VISIONAIRE LIGHTING

Features & Specifications

VSX-II Array

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

Mounting Arm/Driver Compartment
Durable two-piece die cast aluminum driver compartment utilizes stainless steel hardware and sealed with a one-piece silicone gasket.

Thermal Management
• The VSX-II Array LED series provides excellent thermal management by mounting the LED Arrays 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-II Array series LEDs have been determined to last 100,000+ hours in 25° C environments when driven at 1400 mA.

Optical System
• The highest lumen output LED Arrays are utilized in the VSX-II series. IES distribution Types I, II, III, IIIL, IV, IVL, IVA, VSR, VLR, and VLS are available. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
• CRI values are 70.

New LED Array Technology
• 4 Diodes now replace a single Led chip and operate at 25% of the drive current allowing for higher efficiency, less heat and longer life. (10 Year Warranty)
• More LEDs at a lower drive current provides a more comfortable visual effect.

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-II Array LED series is supplied with a choice of 350, 530, 700,1050, 1200 or 1400 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 on AM, SAM and UAM as standard

Warranty
Ten (10) year Limited Warranty on electrical components (Driver & LED Boards), Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options
• Photocell & Receptacle
• Photo Receptacle and Shorting Cap
• 0-10v Dimming Driver
• Motion Sensorl
• Round pole plate adapter
• Universal Pole Mount Adaptor
• Cast Wall Plate
• Rotated Optics
• Visionaire Wireless Controls
- Enables high end trim
- Based on Zigbee wireless communication protocol

Listings
• The VSX-II Series is cUL Listed
• IP65 Rated Housing
• ANSI Certification
• Powder Coated Tough
• IDA Certification
• 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/
3000K must be selected with a fixed mount for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

VSX-II ARRAY - ELECTRICAL LOAD (A)							
Ordering Nomenclature	**System Watts**	**120**	**208**	**240**	**277**	**347**	**480**
VSX-II-T5LS-5L	34	0.28	0.16	0.14	0.12	0.10	0.07
VSX-II-T5LS-10L	70	0.58	0.34	0.29	0.25	0.20	0.15
VSX-II-T5LS-15L	102	0.85	0.49	0.43	0.37	0.29	0.21
VSX-II-T5LS-20L	134	1.12	0.64	0.56	0.48	0.39	0.28
VSX-II-T5LS-25L	167	1.39	0.80	0.70	0.60	0.48	0.35

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VSX-II Array LED Specifications

Photometric Optical Summary

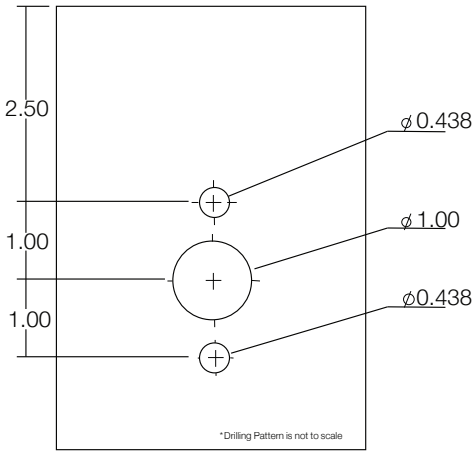
EPA Data	0.58	.92	1.16	1.45	1.40	1.48

VSX-II-KM EPA DATA										
Degree of Tilt	0º	10º	20º	30	40º	50º	60º	70º	80º	90º
EPA	0.14	0.18	0.24	0.39	0.54	0.79	1.05	1.35	1.74	2.20

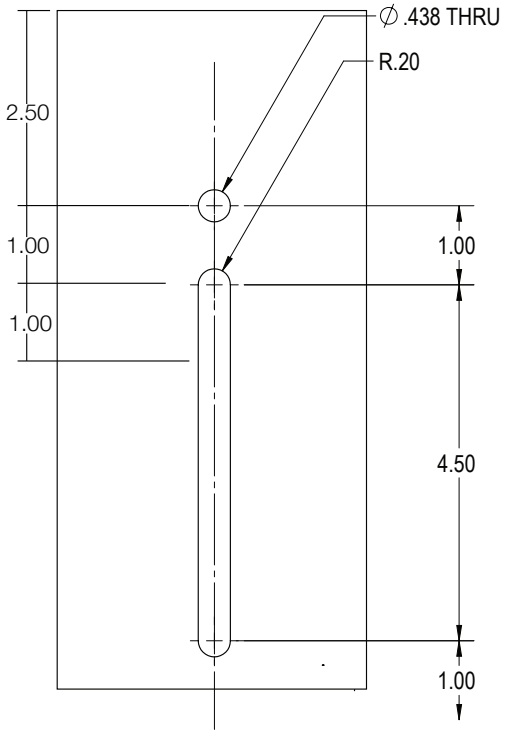
Dimensions

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)



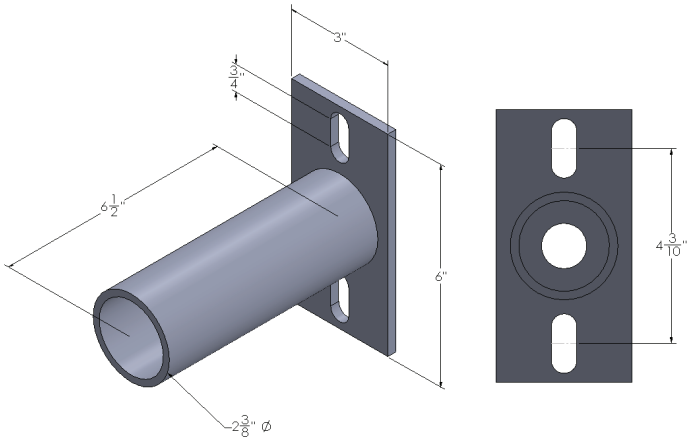
VISIONAIRE LIGHTING

LED Specifications **VSX-II Array**

VSX-II Options

Universal Mast Arm Fitter

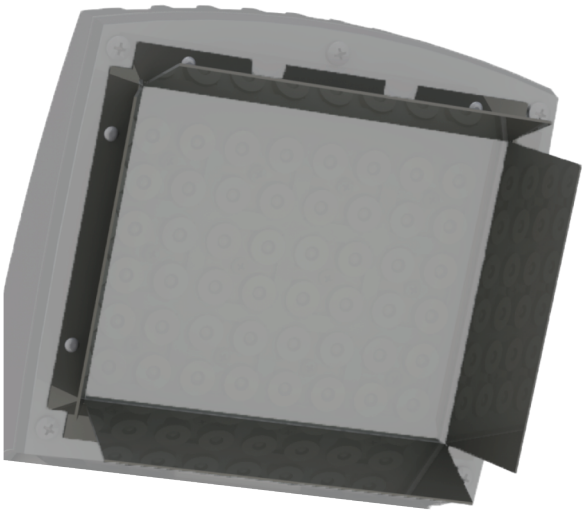
UMAP – The Universal Mast Arm Fitter is a simple solution for retrofit applications where a fixture needs to mount to an existing pole, the UMAP is meant to be use to with knuckle mounts and also Mast Arm Fitters. The UMAP has a bolt slot ranging from 7" all the way down to 3.5". The UMAP also has a Round Pole Plate Adaptor (RPP) for mounting to round poles.



Egg Crate Light Shield

Adjustable Louver Light Shield

Barn Door Light Shield



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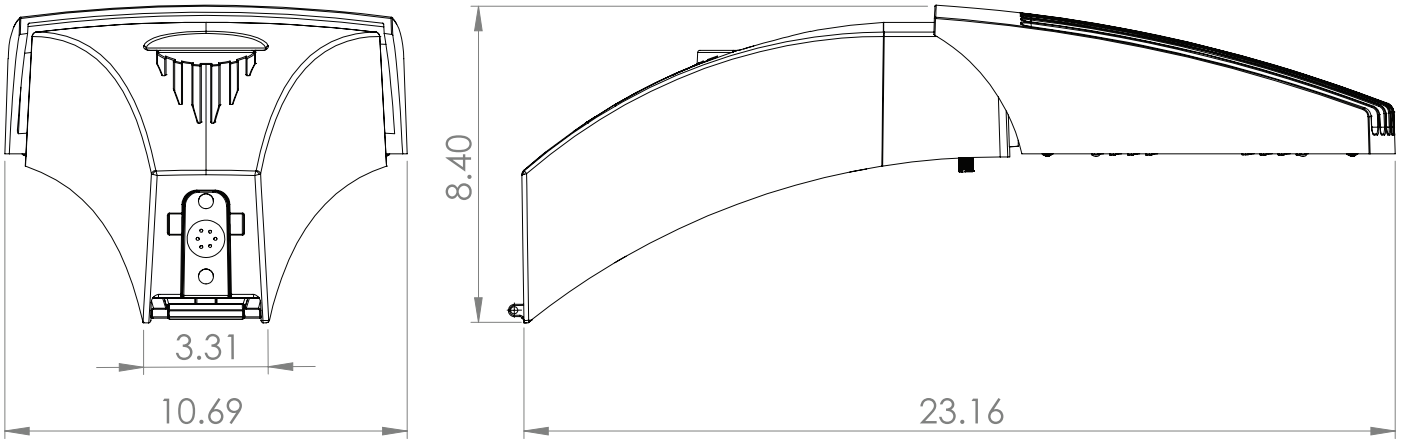
VSX-II ARRAY LED Specifications

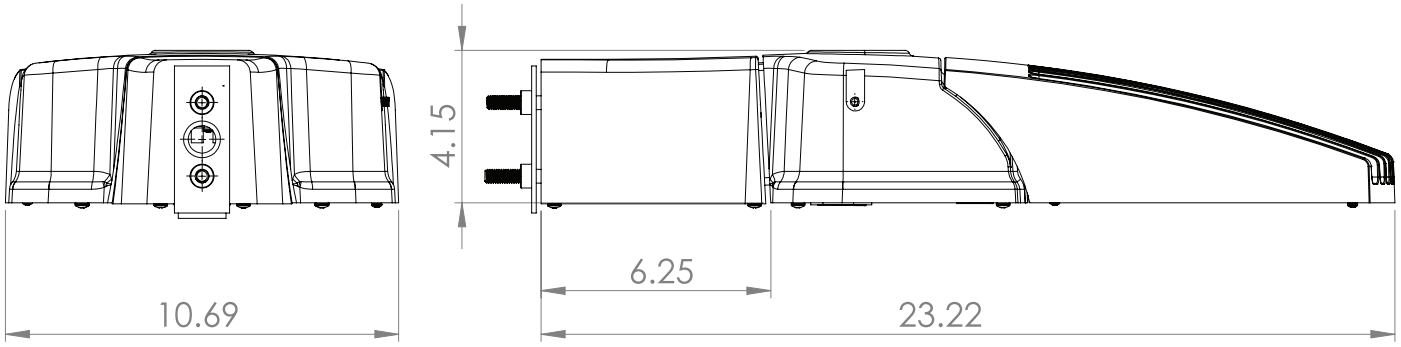
Arm Mount (AM)

The Arm Mount (AM) utilizes a 2 piece cleat system for easy installation, a terminal block is supplied as standard. A Round Pole Plate Adapter (RPP) is required for mounting to round poles.



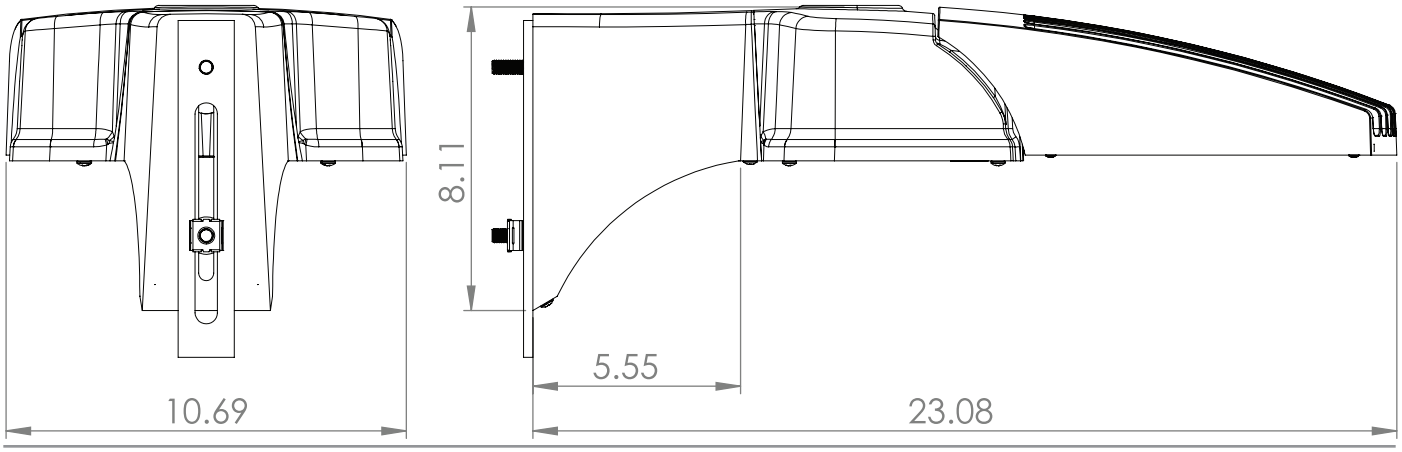
Straight Arm Mount (SAM)

The Straight Arm Mount (SAM) uses a 2 piece mounting system, a terminal block is supplied as standard. A Round Pole Plate Adapter (RPP) is required for mounting to round poles.



Universal Arm Mount (UAM)

The Unviersal Arm Mount (UAM) is meant for retrofit Applications and has a drilling templat raning from 3" to 5.5". A Round Pole Plate Adapter (RPP) is required for mounting to round poles.

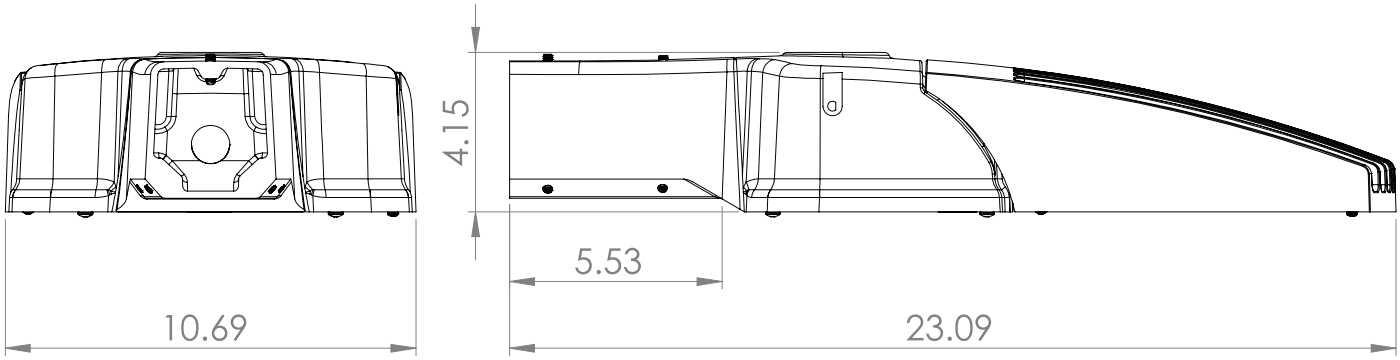


VISIONAIRE LIGHTING

LED Specifications **VSX-II ARRAY**

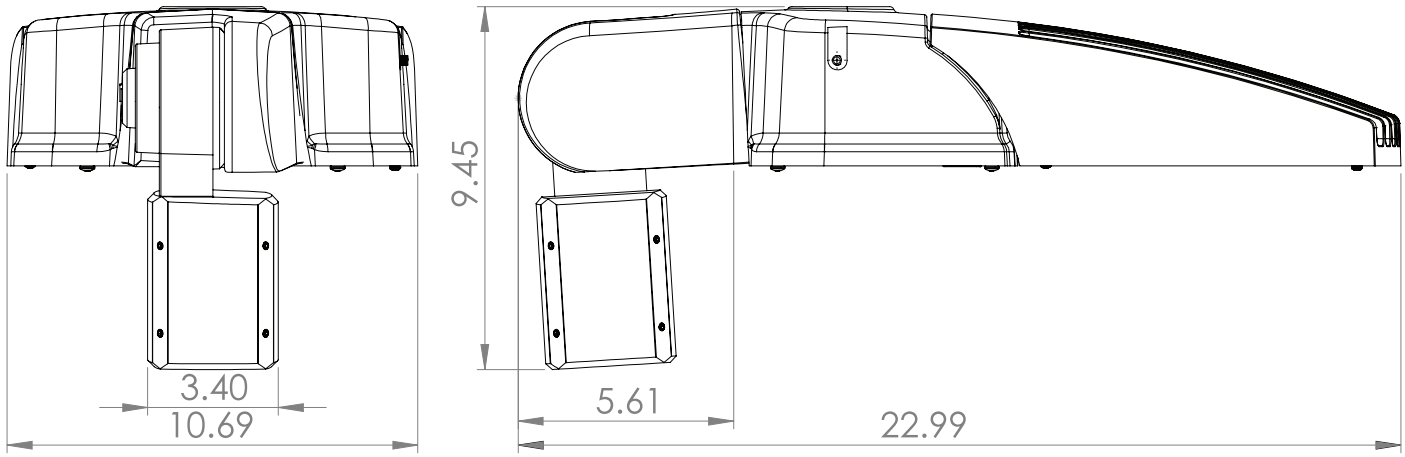
Mast Arm Fitter (MAF)

Mast Arm Fitter fits over a 1 5/8" - 2 3/8" tenon.



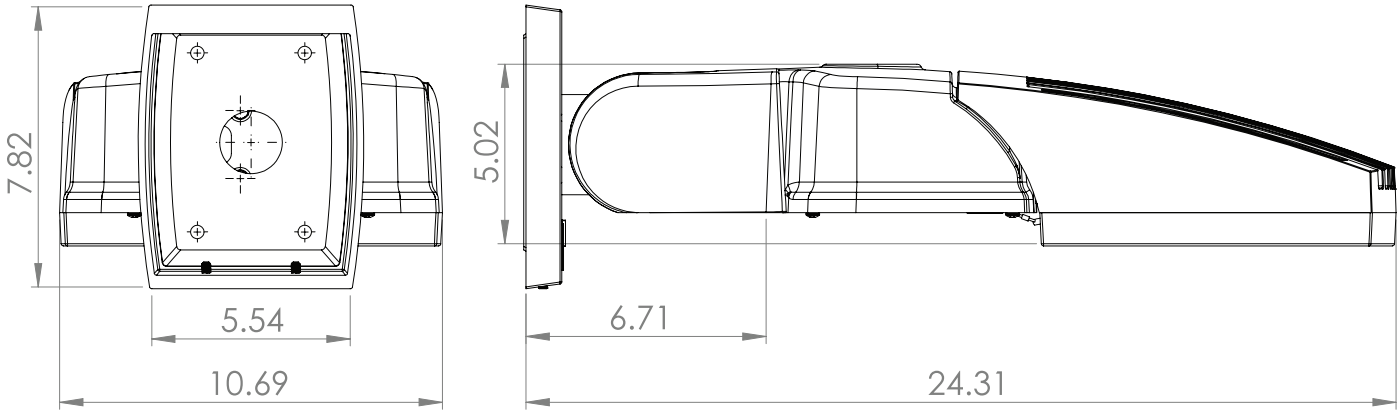
Knuckle Mount (KM)

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.



Adjustable Wall Mount (AWM)

Wall Mount - Adjustable up to 50° in 10° increments.



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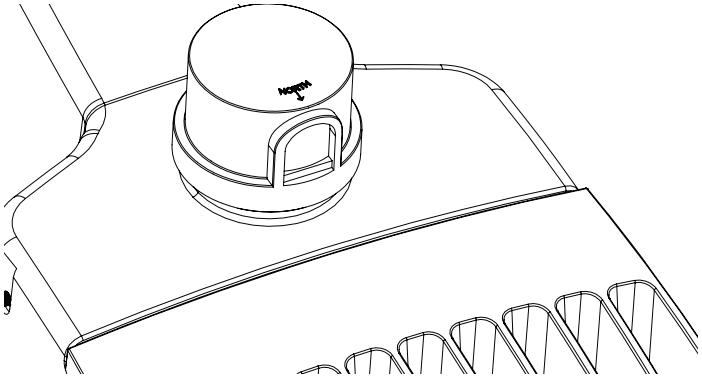
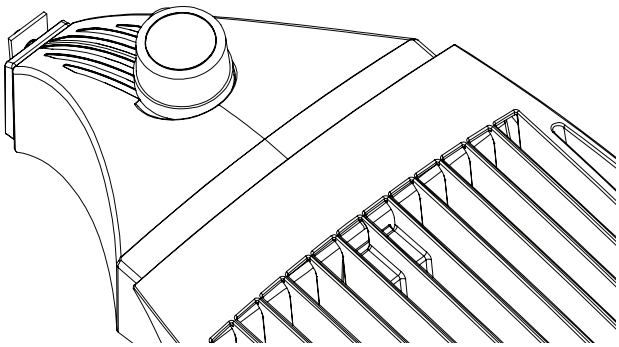
VSX-II ARRAY LED Specifications

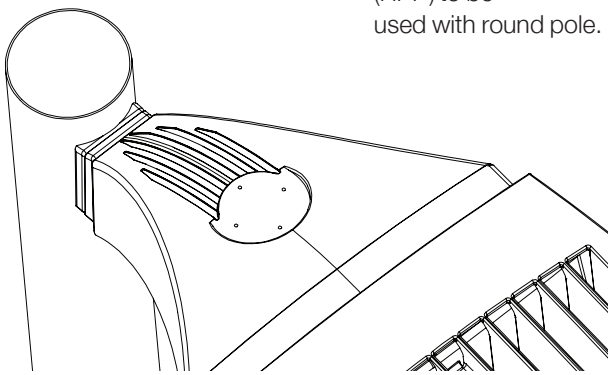
Twist lock Photocell & Receptacle - Dusk to dawn sensor.



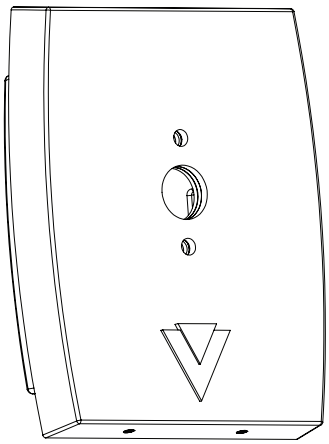
Photocell Receptacle and Shorting Cap



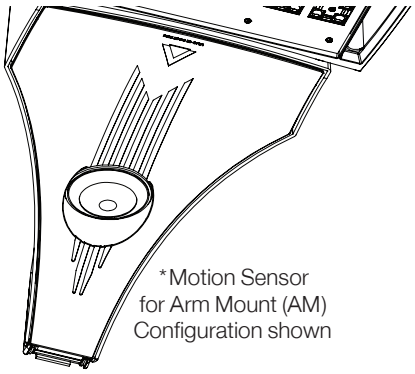
Round Pole Plate Adaptor (RPP) - Round Pole Plate Adaptor (RPP) to be used with round pole.



Cast Wall Plate - Arm Mount Wall Plate is needed to wall mount the VSX-II.

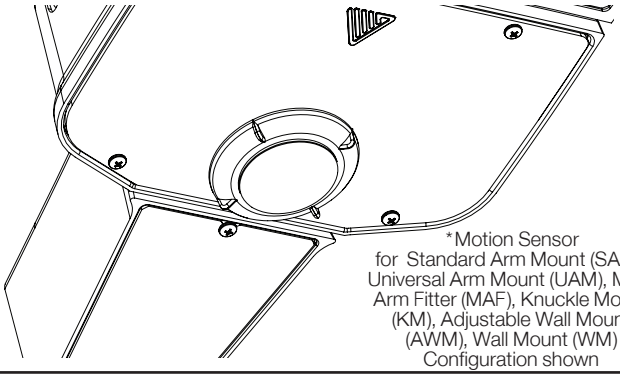


Motion Sensor - *This option will require one FSIR 100 remote for programing.



*Motion Sensor for Arm Mount (AM) Configuration shown

Motion Sensor (for SAM, UAM, MAF, KM, WM, AWM) - *This option will require one FSIR 100 remote for programing.



*Motion Sensor for Standard Arm Mount (SAM), Universal Arm Mount (UAM), Mast Arm Fitter (MAF), Knuckle Mount (KM), Adjustable Wall Mount (AWM), Wall Mount (WM) Configuration shown

The FSP-211 by Legrand is integrated into the VSX housing and provides multi-level control based on motion and/or daylight contribution.	
Lens Coverage Patterns:	
WSC-8	360° lens, maximum coverage 48'; diameter from 8' height
WSC-20	360° lens, maximum coverage 48'; diameter from 20' height
WSC-40	360° lens, maximum coverage 100'; diameter from 40' height

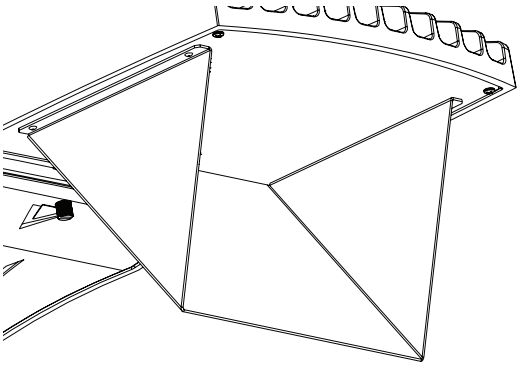
Motion Sensor Default Settings	
High Mode	0 Volts
Low Mode	1 Volts
Time Delay	5 Minutes
Cut Off	1 Hour
Sensitivity	Maximum
Hold Off Set Point	4ft
Candles	N/A
Ramp Up	None
Fade Down	None
Force Off Set Point With Occupied	Disable

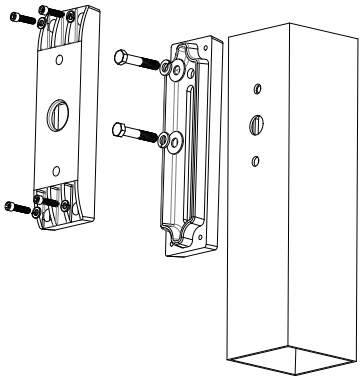
VISIONAIRE LIGHTING

LED Specifications **VSX-II ARRAY**

House Shield - Provides solid back light cutoff

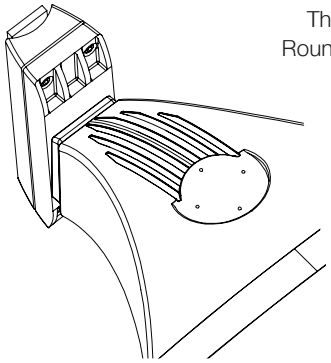
House Shield





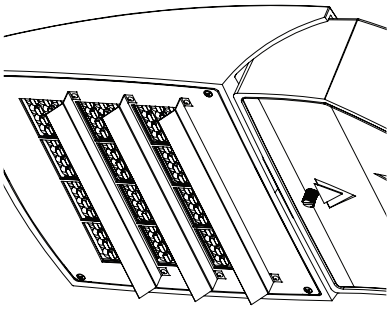
UPMA

The Universal Pole Mount Adaptor is ideal for retrofit applications with existing square poles. This adaptor is slotted to fit any existing drilling pattern, up to 6 ½" bolt to bolt maximum.



UPMA-R

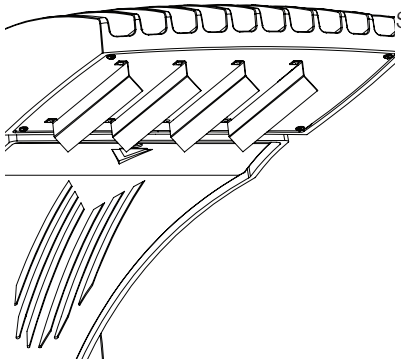
The Universal Pole Mount Adaptor Round is ideal for retrofit applications with existing round poles. This adaptor is slotted to fit any existing drilling pattern, up to 6 ½" bolt to bolt maximum.



CLS

The Back Side Cutoff Louver Shield will reduce light output behind the fixture, all of the light will be focused in front of the VSX.

*Not to be used with KM



LCLS

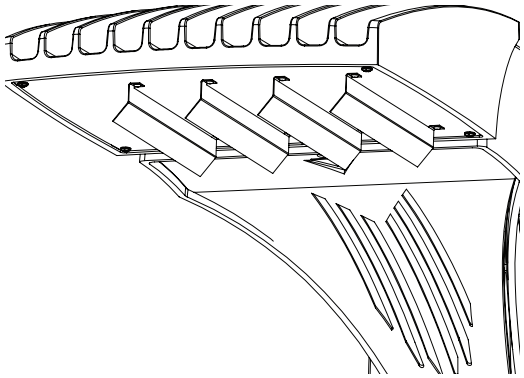
The Left Side Cutoff Louver Shield will reduce light output on the left side of the fixture, all of the light be focused on the right side of the VSX.

*Not to be used with KM

RCLS

The Right Side Cutoff Louver Shield will reduce light output on the right side of the fixture, all of the light be focused on the left side of the VSX.

*Not to be used with KM



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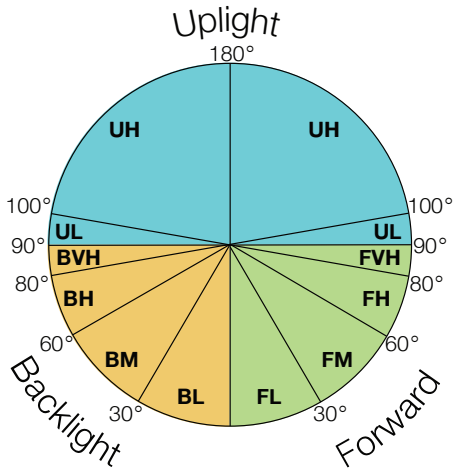
VSX-II ARRAY LED Specifications

VSX-II ARRAY - 3K LUMEN DATA											
LUMENS	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
5L	4533	4513	4477	4213	4412	4170	4504	4616	4389	4582	34
10L	8725	8687	8618	8110	8493	8026	8668	8884	8448	8819	70
15L	13694	13634	13526	12730	13329	12597	13605	13943	13260	13841	102
20L	17648	17571	17431	16404	17178	16234	17533	17969	17088	17837	134
25L	21818	21723	21550	20281	21237	20070	21676	22215	21126	22052	167
VSX-II ARRAY - 4K LUMEN DATA											
LUMENS	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
5L	5020	4998	4958	4667	4886	4618	4987	5111	4861	5074	34
10L	9662	9620	9544	8982	9405	8888	9599	9838	9356	9766	70
15L	15165	15099	14979	14097	14761	13950	15066	15441	14684	15328	102
20L	19544	19458	19304	18167	19023	17978	19416	19899	18924	19753	134
25L	24162	24056	23865	22459	23518	22225	24004	24601	23395	24421	167
VSX-II ARRAY - 5K LUMEN DATA											
LUMENS	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
5L	5020	4998	4958	4667	4886	4618	4987	5111	4861	5074	34
10L	9662	9620	9544	8982	9405	8888	9599	9838	9356	9766	70
15L	15165	15099	14979	14097	14761	13950	15066	15441	14684	15328	102
20L	19544	19458	19304	18167	19023	17978	19416	19899	18924	19753	134
25L	24162	24056	23865	22459	23518	22225	24004	24601	23395	24421	167
VSX-II ARRAY - 3K LUMEN PER WATT DATA											
LUMENS	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
5L	133	133	132	124	130	123	132	136	129	135	34
10L	125	124	123	116	121	115	124	127	121	126	70
15L	135	134	133	125	131	124	134	137	130	136	102
20L	132	131	130	122	128	121	131	134	128	133	134
25L	131	130	129	121	127	120	130	133	126	132	167
VSX-II ARRAY - 4K LUMEN PER WATT DATA											
LUMENS	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
5L	148	147	146	137	144	136	147	150	143	149	34
10L	138	137	136	128	134	127	137	141	134	140	70
15L	149	148	147	139	145	137	148	152	144	151	102
20L	146	145	144	136	142	134	145	149	141	147	134
25L	145	144	143	134	141	133	144	147	140	146	167
VSX-II ARRAY - 5K LUMEN PER WATT DATA											
LUMENS	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
5L	148	147	146	137	144	136	147	150	143	149	34
10L	138	137	136	128	134	127	137	141	134	140	70
15L	149	148	147	139	145	137	148	152	144	151	102
20L	146	145	144	136	142	134	145	149	141	147	134
25L	145	144	143	134	141	133	144	147	140	146	167

Bug Rating -

The subzones are individually rated on a scale from 0 to 5, going from lowest to highest luminous flex. The highest rating of a subzone is considered the overall rating for that zone, and these readings are compiled into the BUG lighting classification: for example, B3 U1 G0. The tables below, which are based on the standards established by the IES, show the thresholds for each subzone.



VSX-II ARRAY - 3K BUG DATA																													
LUMENS	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	2	0	2	1	0	1	1	0	1	2	0	2	1	0	1	2	0	3	1	0	1	2	0	1	3	0	2	3	0	1	34
10L	3	0	3	2	0	2	2	0	2	3	0	3	2	0	2	3	0	3	2	0	2	3	0	1	3	0	2	3	0	2	70
15L	4	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	2	0	2	4	0	2	4	0	3	4	0	2	102
20L	4	0	4	3	0	3	3	0	3	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	4	0	3	4	0	2	134
25L	4	0	4	3	0	3	3	0	3	4	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	4	5	0	3	167
VSX-II ARRAY - 4K BUG DATA																													
LUMENS	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	2	0	2	1	0	1	1	0	1	2	0	2	1	0	1	2	0	3	1	0	1	2	0	1	3	0	2	3	0	1	34
10L	3	0	3	2	0	2	2	0	2	3	0	3	2	0	2	3	0	3	2	0	2	3	0	1	3	0	2	3	0	2	70
15L	4	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	2	0	2	4	0	2	4	0	3	4	0	2	102
20L	4	0	4	3	0	3	3	0	3	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	4	0	3	4	0	2	134
25L	4	0	4	3	0	3	3	0	3	4	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	4	5	0	3	167
VSX-II ARRAY - 5K BUG DATA																													
LUMENS	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	2	0	2	1	0	1	1	0	1	2	0	2	1	0	1	2	0	3	1	0	1	2	0	1	3	0	2	3	0	1	34
10L	3	0	3	2	0	2	2	0	2	3	0	3	2	0	2	3	0	3	2	0	2	3	0	1	3	0	2	3	0	2	70
15L	4	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	2	0	2	4	0	2	4	0	3	4	0	2	102
20L	4	0	4	3	0	3	3	0	3	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	4	0	3	4	0	2	134
25L	4	0	4	3	0	3	3	0	3	4	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	4	5	0	3	167

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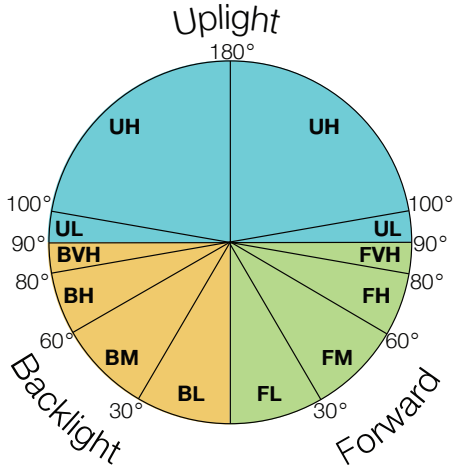
VSX-II ARRAY LED Specifications

VSX-II ARRAY - CUTOFF LOUVER SHIELD 3K LUMEN DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	3576	3639	3730	3506	3463	3469	3747	3631	3298	3489	**34**
10L	6883	7004	7179	6748	6667	6677	7211	6988	6347	6715	**70**
15L	10803	10992	11268	10591	10463	10481	11317	10967	9962	10539	**102**
20L	13923	14167	14521	13649	13484	13507	14585	14134	12838	13582	**134**
25L	17212	17514	17952	16874	16670	16698	18031	17474	15872	16792	**167**
VSX-II ARRAY - CUTOFF LOUVER SHIELD 4K LUMEN DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	3960	4030	4130	3883	3835	3842	4148	4020	3652	3864	**34**
10L	7622	7756	7951	7473	7383	7395	7985	7738	7029	7436	**70**
15L	11964	12174	12478	11729	11587	11606	12533	12145	11032	11672	**102**
20L	15418	15688	16081	15115	14932	14958	16151	15652	14218	15041	**134**
25L	19061	19395	19881	18686	18461	18492	19968	19351	17577	18596	**167**
VSX-II ARRAY - CUTOFF LOUVER SHIELD 5K LUMEN DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	3960	4030	4130	3883	3835	3842	4148	4020	3652	3864	**34**
10L	7622	7756	7951	7473	7383	7395	7985	7738	7029	7436	**70**
15L	11964	12174	12478	11729	11587	11606	12533	12145	11032	11672	**102**
20L	15418	15688	16081	15115	14932	14958	16151	15652	14218	15041	**134**
25L	19061	19395	19881	18686	18461	18492	19968	19351	17577	18596	**167**
VSX-II ARRAY - CUTOFF LOUVER SHIELD 3K LPW DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	105	107	110	103	102	102	110	107	97	103	34
10L	98	100	103	96	95	95	103	100	91	96	70
15L	106	108	111	104	103	103	111	108	98	104	102
20L	104	106	108	102	101	101	109	105	96	101	134
25L	103	105	107	101	100	100	108	105	95	100	167
VSX-II ARRAY - CUTOFF LOUVER SHIELD 4K LPW DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	116	116	115	108	113	107	116	119	113	118	34
10L	109	108	108	101	106	100	108	111	105	110	70
15L	118	117	116	109	115	108	117	120	114	119	102
20L	115	115	114	107	112	106	114	117	111	116	134
25L	114	114	113	106	111	105	113	116	110	115	167
VSX-II ARRAY - CUTOFF LOUVER SHIELD 5K LPW DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	116	116	115	108	113	107	116	119	113	118	34
10L	109	108	108	101	106	100	108	111	105	110	70
15L	118	117	116	109	115	108	117	120	114	119	102
20L	115	115	114	107	112	106	114	117	111	116	134
25L	114	114	113	106	111	105	113	116	110	115	167

Bug Rating -

The subzones are individually rated on a scale from 0 to 5, going from lowest to highest luminous flex. The highest rating of a subzone is considered the overall rating for that zone, and these readings are compiled into the BUG lighting classification: for example, B3 U1 G0. The tables below, which are based on the standards established by the IES, show the thresholds for each subzone.



VSX-II ARRAY - CUTOFF LOUVER SHIELD SHIELD 3K BUG DATA *Not to be used with KM

Lumens	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	1	3	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	1	1	2	2	1	2	2	1	2	2	34
10L	2	3	3	1	2	3	1	3	2	1	3	3	1	2	3	1	3	3	1	2	2	1	3	3	1	3	3	1	3	3	70
15L	2	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2	3	3	2	3	3	102
20L	3	3	4	2	3	4	2	3	3	2	3	4	3	3	3	2	3	3	2	3	3	2	3	3	2	3	4	2	3	4	134
25L	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	3	3	3	4	2	3	5	2	3	4	167

VSX-II ARRAY - CUTOFF LOUVER SHIELD 4K BUG DATA *Not to be used with KM

Lumens	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	1	3	2	1	2	2	1	2	2	1	3	2	1	2	2	1	2	2	1	2	1	1	2	2	1	2	2	1	2	2	34
10L	2	3	3	1	3	3	2	3	3	2	3	3	2	2	3	1	3	3	1	2	2	2	3	3	1	3	3	1	3	3	70
15L	2	3	3	2	3	3	2	3	3	2	3	4	2	3	3	2	3	3	2	3	3	2	3	3	2	3	4	2	3	3	102
20L	3	3	4	2	3	4	3	3	3	3	3	4	3	3	4	2	3	4	2	3	3	3	3	4	2	3	4	2	3	4	134
25L	3	3	4	3	3	5	3	3	4	3	3	5	3	3	4	3	3	4	3	3	3	3	3	4	3	3	5	3	3	5	167

VSX-II ARRAY - CUTOFF LOUVER SHIELD 5K BUG DATA *Not to be used with KM

Lumens	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	1	3	2	1	2	2	1	2	2	1	3	2	1	2	2	1	2	2	1	2	1	1	2	2	1	2	2	1	2	2	34
10L	2	3	3	1	3	3	2	3	3	2	3	3	2	2	3	1	3	3	1	2	2	2	3	3	1	3	3	1	3	3	70
15L	2	3	3	2	3	3	2	3	3	2	3	4	2	3	3	2	3	3	2	3	3	2	3	3	2	3	4	2	3	3	102
20L	3	3	4	2	3	4	3	3	3	3	3	4	3	3	4	2	3	4	2	3	3	3	3	4	2	3	4	2	3	4	134
25L	3	3	4	3	3	5	3	3	4	3	3	5	3	3	4	3	3	4	3	3	3	3	3	4	3	3	5	3	3	5	167

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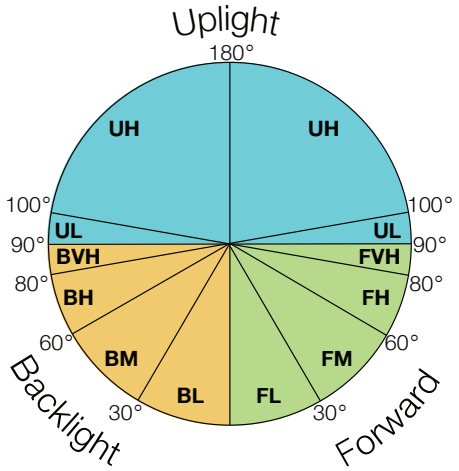
VSX-II Array LED Specifications

VSX-II ARRAY - HOUSE SHIELD 3K LUMEN DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	1096	1477	1444	1385	1704	1387	1517	1264	1538	1171	**34**
10L	2110	2844	2780	2665	3280	2669	2919	2433	2961	2253	**70**
15L	3312	4463	4363	4183	5148	4190	4581	3819	4647	3537	**102**
20L	4268	5752	5623	5391	6635	5399	5903	4921	5988	4558	**134**
25L	5276	7112	6952	6665	8203	6675	7298	6084	7404	5635	**167**
VSX-II ARRAY - HOUSE SHIELD 4K LUMEN DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	1214	1636	1599	1534	1887	1536	1679	1400	1704	1296	**34**
10L	2337	3149	3079	2952	3633	2669	3232	2694	3279	2495	**70**
15L	3667	4943	4832	4633	5701	4640	5073	4229	5146	3917	**102**
20L	4727	6370	6227	5970	7348	5979	6537	5450	6632	5047	**134**
25L	5843	7875	7699	7381	9084	7392	8082	6738	8199	6240	**167**
VSX-II ARRAY - HOUSE SHIELD 5K LUMEN DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	1214	1636	1599	1534	1887	1536	1679	1400	1704	1296	**34**
10L	2337	3149	3079	2952	3633	2669	3232	2694	3279	2495	**70**
15L	3667	4943	4832	4633	5701	4640	5073	4229	5146	3917	**102**
20L	4727	6370	6227	5970	7348	5979	6537	5450	6632	5047	**134**
25L	5843	7875	7699	7381	9084	7392	8082	6738	8199	6240	**167**
VSX-II ARRAY - HOUSE SHIELD 3K LPW DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	32	43	42	41	50	41	45	37	45	34	34
10L	30	41	40	38	47	38	42	35	42	32	70
15L	33	44	43	41	51	41	45	38	46	35	102
20L	32	43	42	40	50	40	44	37	45	34	134
25L	32	43	42	40	49	40	44	36	44	34	167
VSX-II ARRAY - HOUSE SHIELD 4K LPW DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	36	48	47	45	56	45	49	41	50	38	34
10L	33	45	44	42	52	42	46	38	47	36	70
15L	36	49	48	46	56	46	50	42	51	39	102
20L	35	48	46	45	55	45	49	41	49	38	134
25L	35	47	46	44	54	44	48	40	49	37	167
VSX-II ARRAY - HOUSE SHIELD 5K LPW DATA *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4L**	**T4A**	**T5SR**	**T5LR**	**T5LS**	**Watts**
5L	36	48	47	45	56	45	49	41	50	38	34
10L	33	45	44	42	52	42	46	38	47	36	70
15L	36	49	48	46	56	46	50	42	51	39	102
20L	35	48	46	45	55	45	49	41	49	38	134
25L	35	47	46	44	54	44	48	40	49	37	167

Bug Rating -

The subzones are individually rated on a scale from 0 to 5, going from lowest to highest luminous flex. The highest rating of a subzone is considered the overall rating for that zone, and these readings are compiled into the BUG lighting classification: for example, B3 U1 G0. The tables below, which are based on the standards established by the IES, show the thresholds for each subzone.



VSX-II ARRAY - HOUSE SHIELD 3K BUG DATA *Not to be used with KM

Lumens	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	0	0	1	0	0	1	0	0	1	0	3	2	0	0	1	0	3	2	0	0	1	0	0	1	0	0	2	0	0	1	34
10L	0	0	1	0	0	1	0	0	1	0	3	2	0	0	1	0	3	2	0	0	1	0	0	1	0	0	3	0	0	1	70
15L	0	0	1	1	0	1	0	0	1	0	3	3	1	0	2	0	3	3	1	0	1	0	0	1	0	0	3	0	0	1	102
20L	1	0	1	1	0	1	1	0	2	0	3	3	1	0	2	0	3	3	1	0	1	1	0	1	1	0	4	0	0	2	134
25L	1	0	2	1	0	2	1	0	2	1	3	4	1	0	2	1	3	4	1	0	1	1	0	2	1	0	4	0	0	2	167

VSX-II ARRAY - HOUSE SHIELD 4K BUG DATA *Not to be used with KM

Lumens	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	0	0	1	0	0	1	0	0	1	0	3	2	0	0	1	0	3	2	0	0	1	0	0	1	0	0	2	0	0	1	34
10L	0	0	1	0	0	1	0	0	1	0	3	3	0	0	1	0	3	3	0	0	1	0	0	1	0	0	3	0	0	1	70
15L	1	0	1	1	0	1	0	0	1	0	3	3	1	0	2	0	3	3	1	0	1	0	0	1	0	0	4	0	0	1	102
20L	1	0	1	1	0	1	1	0	2	1	3	3	1	0	2	0	3	3	1	0	1	1	0	1	1	0	4	0	0	2	134
25L	1	0	2	1	0	2	1	0	2	1	3	4	1	0	3	1	3	4	1	0	2	1	0	2	1	0	5	1	0	2	167

VSX-II ARRAY - HOUSE SHIELD 5K BUG DATA *Not to be used with KM

Lumens	T1			T2			T3			T3L			T4			T4L			T4A			T5SR			T5LR			T5LS			Watts
	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	
5L	0	0	1	0	0	1	0	0	1	0	3	2	0	0	1	0	3	2	0	0	1	0	0	1	0	0	2	0	0	1	34
10L	0	0	1	0	0	1	0	0	1	0	3	3	0	0	1	0	3	3	0	0	1	0	0	1	0	0	3	0	0	1	70
15L	1	0	1	1	0	1	0	0	1	0	3	3	1	0	2	0	3	3	1	0	1	0	0	1	0	0	4	0	0	1	102
20L	1	0	1	1	0	1	1	0	2	1	3	3	1	0	2	0	3	3	1	0	1	1	0	1	1	0	4	0	0	2	134
25L	1	0	2	1	0	2	1	0	2	1	3	4	1	0	3	1	3	4	1	0	2	1	0	2	1	0	5	1	0	2	167

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