VMX-II Array LED Specifications

*Universal Arm Mount (UAM) Version Shown.

Project Name:

Catalog Number:

Type:

The **VMX-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 cast aluminum housings.

The VMX-II Array LED fixture is offered with lumen packages ranging from 25,000 to 55,000. Ten optical distribution patterns are available. Choose between 3K, 4K or 5K 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 **VMX-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
VMX-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	**25L** **30L** **35L** **40L** **45L** **50L** **55L**	**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 *Available up to 45L only *Not to be used with KM **RCLS** Rightside cutoff shield *Available up to 45L only *Not to be used with KM **LCLS** Leftside cutoff shield *Available up to 45L only *Not to be used with KM **HS** House shield

VISIONAIRE LIGHTING

Features & Specifications

VMX-II Array

Heatsink
Cast aluminum heatsink 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 VMX-II Array 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 VMX-II 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, LEDs are utilized in the VMX-II Array series. IES distribution Types I, II, 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 VMX-II Array LED series is supplied with a choice of either 1200 or 1400 mA high-performance LED drivers that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 90%.
- 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 with Shorting Cap
- 0-10v Dimming Driver
- Motion Sensor
- Visionaire Wireless Control
  - Enables high end trim
  - Based on Zigbee wireless communication protocol
- Round pole plate adapter
- Universal Pole Mount Adaptor
- Cast Wall Plate
- Rotated Optics
- Cutoff Louver Shielding (CLS)

Listings
- The VMX-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.

VMX-II ARRAY - ELECTRICAL LOAD (A)

Ordering Nomenclature	System Watts	120	208	240	277	347	480
VMX-II-T5LS-25L	172	1.43	0.83	0.72	0.62	0.50	0.36
VMX-II-T5LS-30L	208	1.73	1.00	0.87	0.75	0.60	0.43
VMX-II-T5LS-35L	272	2.27	1.31	1.13	0.98	0.78	0.57
VMX-II-T5LS-40L	277	2.31	1.33	1.15	1.00	0.80	0.58
VMX-II-T5LS-45L	339	2.83	1.63	1.41	1.22	0.98	0.71
VMX-II-T5LS-50L	370	3.08	1.78	1.54	1.34	1.07	0.77
VMX-II-T5LS-55L	400	3.33	1.92	1.67	1.44	1.15	0.83

19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

VMX-II Array LED Specifications

Photometric Optical Summary

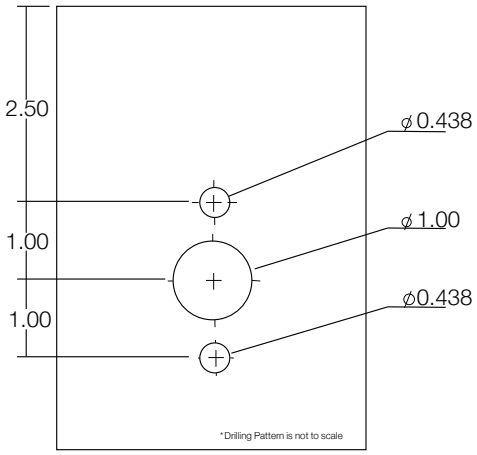
EPA Data	1.25	1.49	2.19	2.29	2.28	2.29

VMX-II-KM EPA DATA										
Degree of Tilt	0º	10º	20º	30	40º	50º	60º	70º	80º	90º
EPA	0.76	0.88	1.26	1.69	2.07	2.40	2.66	2.86	2.97	2.98

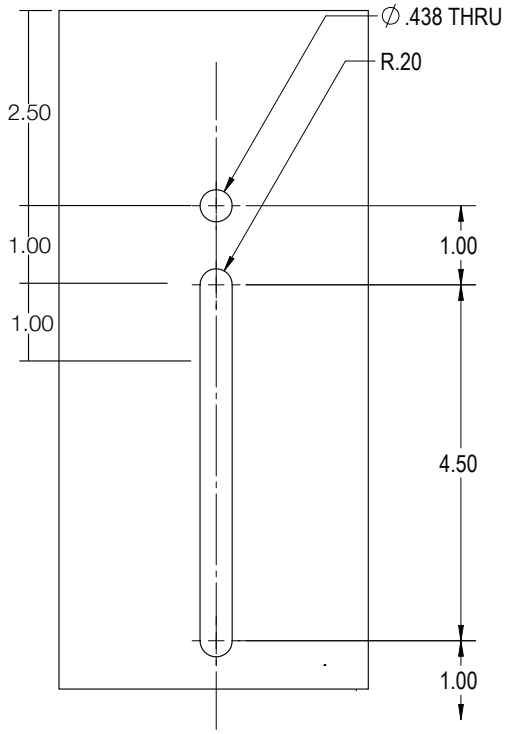
Dimensions

Width:	VMX-II 15.5”
Depth:	VMX-II 29”
Height:	VMX-II 4.0”
Overall Height:	VMX-II 10.75”
Weight:	49 LBS

Drilling Template for (AM) and (SAM)



Drilling Template for (UAM)



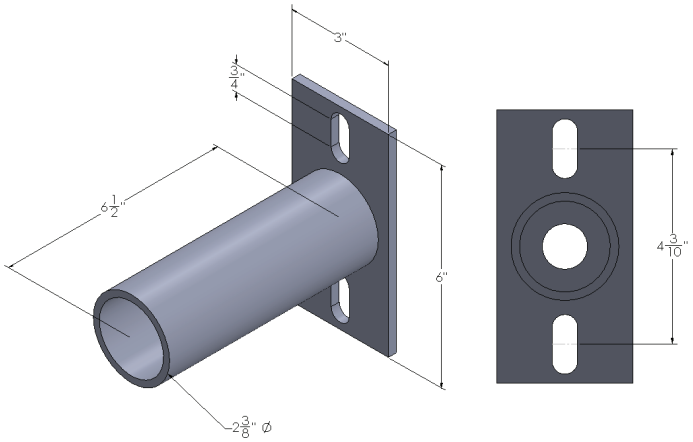
VISIONAIRE LIGHTING

LED Specifications **VMX-II Array**

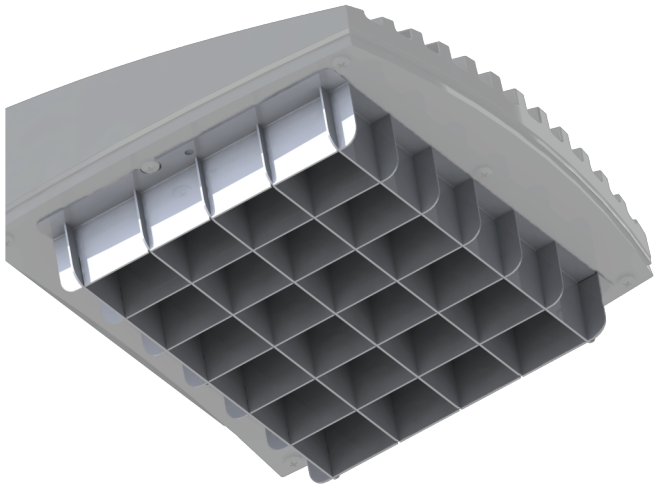
VMX-II Options

Universal Mast Arm Fitter

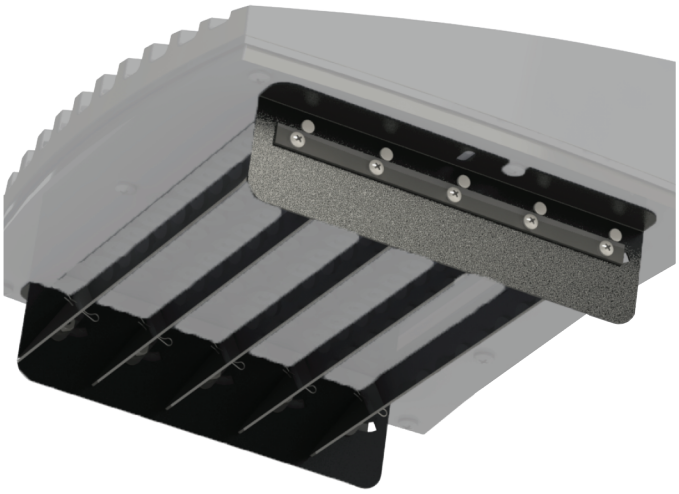
UMAP – The Universal Mast Arm Fitter is a simple solution for retrofit applications where a fixture needs to mount to an existing pole, the UMAP is meant to be use to with knuckle mounts and also Mast Arm Fitters. The UMAP has a bolt slot ranging from 7" all the way down to 3.5". The UMAP also has a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



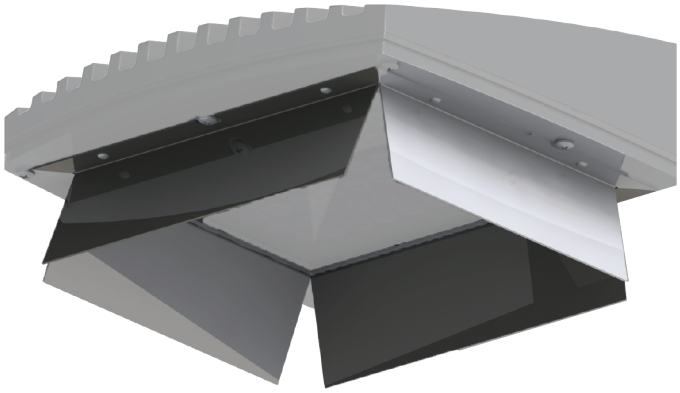
Egg Crate Light Shield



Adjustable Louver Light Shield



Barn Door Light Shield

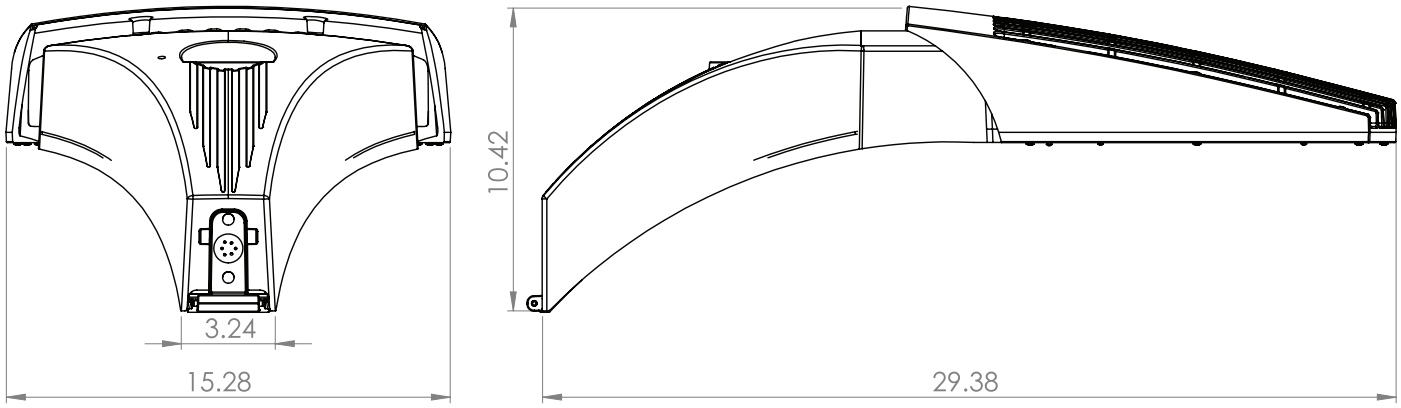


19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

VMX-II Array LED Specifications

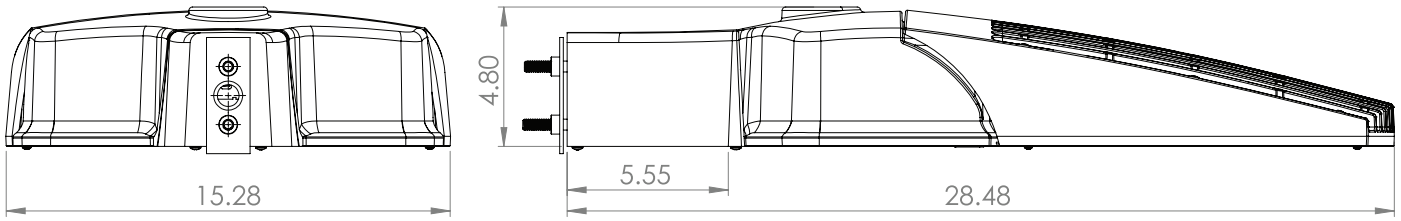
Arm Mount (AM)

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.



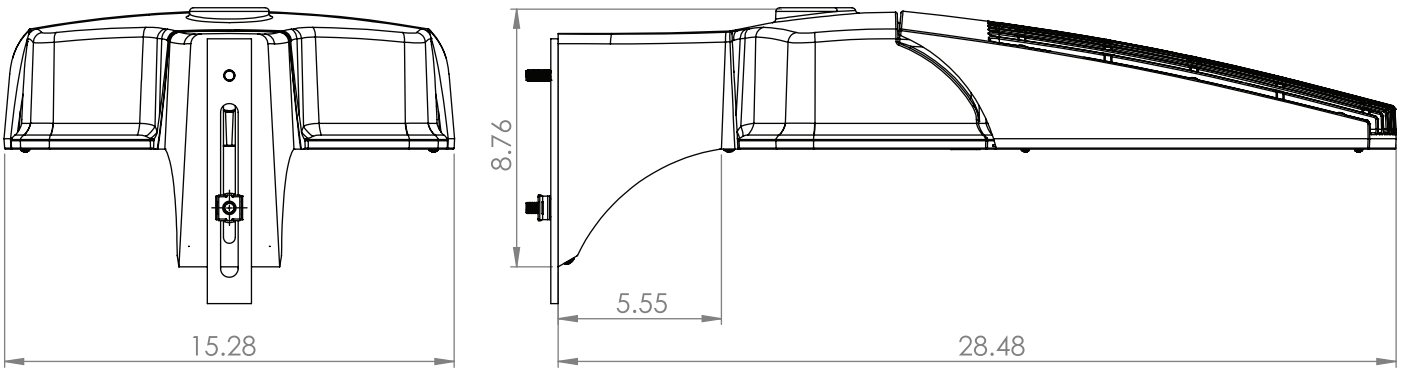
Straight Arm Mount (SAM)

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.

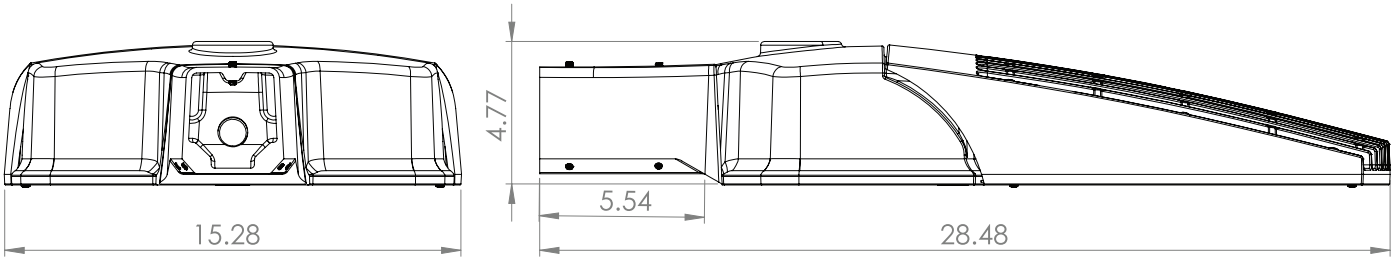


VISIONAIRE LIGHTING

LED Specifications **VMX-II Array**

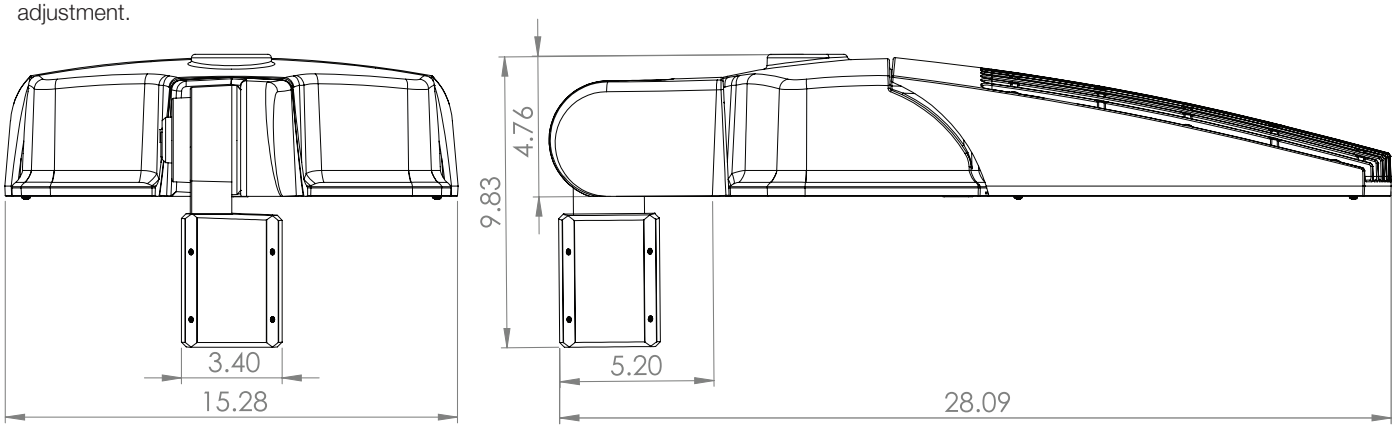
Mast Arm Fitter (MAF)

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



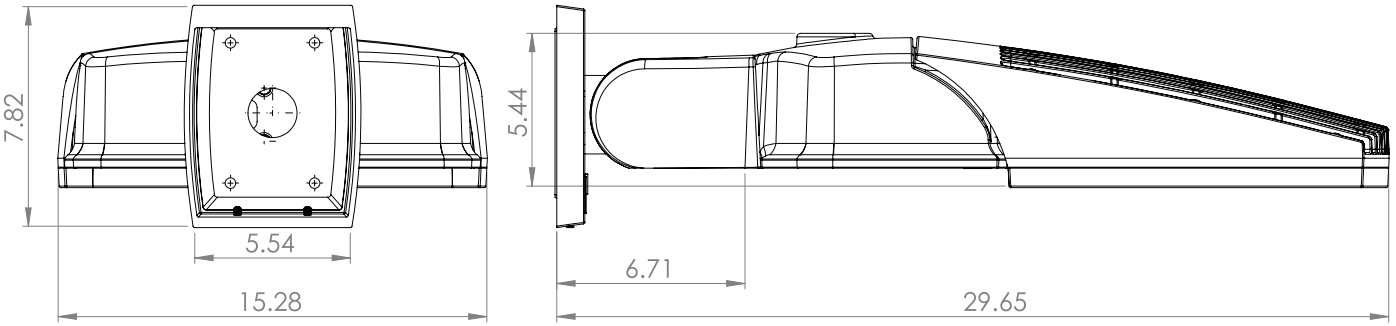
Knuckle Mount (KM)

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)

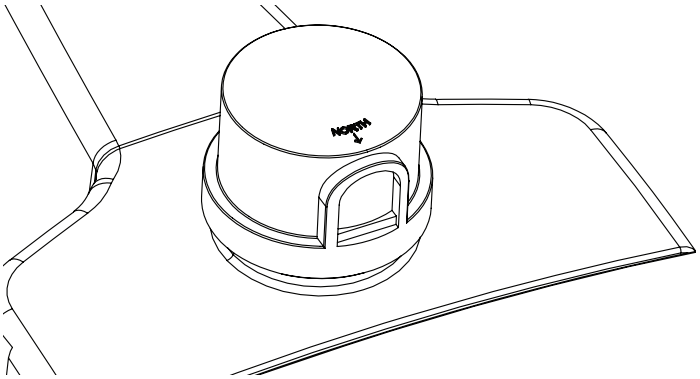
Wall Mount - Adjustable up to 50° in 10° increments.



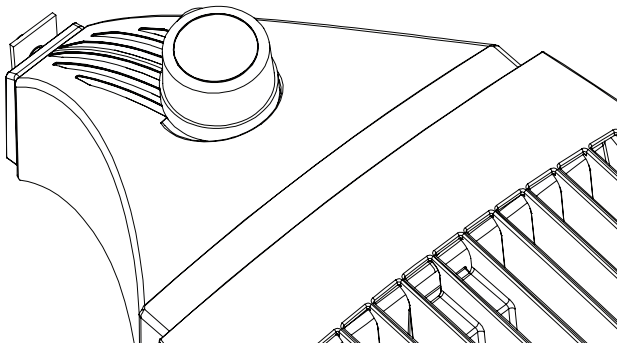
19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

VMX-II Array LED Specifications

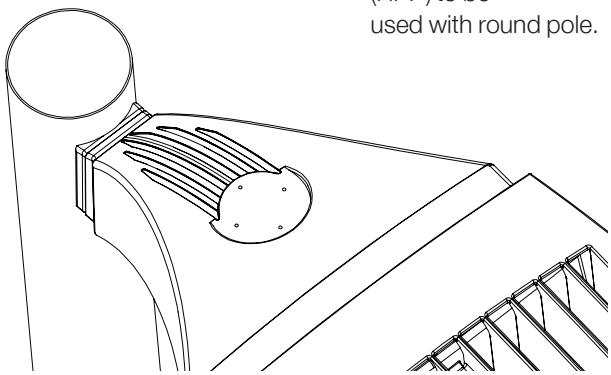
Twist lock Photocell & Receptacle - Dusk to dawn sensor.



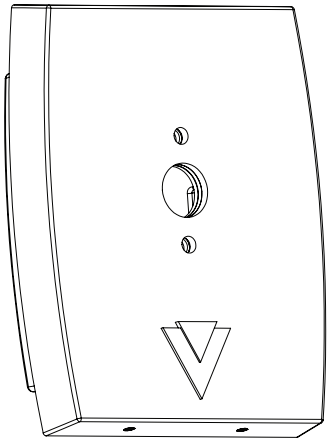
Photocell Receptacle and Shorting Cap



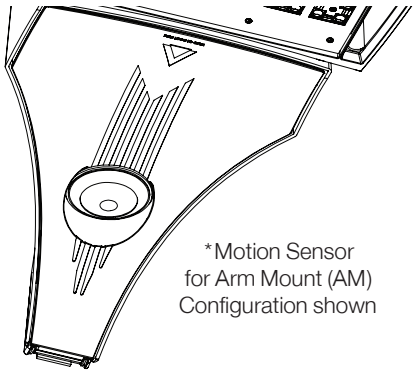
Round Pole Plate Adaptor (RPP) - Round Pole Plate Adaptor (RPP) to be used with round pole.



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

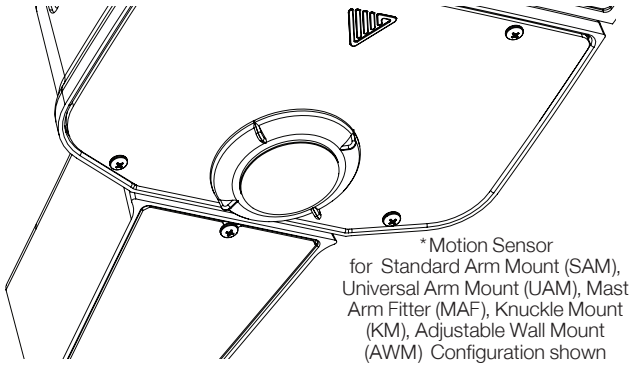


Motion Sensor - *This option will require one FSIR 100 remote for programing.



*Motion Sensor for Arm Mount (AM) Configuration shown

Motion Sensor (for SAM, UAM, MAF, KM, 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) Configuration shown

The FSP-211 by Legrand is integrated into the VMX housing and provides multi-level control based on motion and/or daylight contribution.

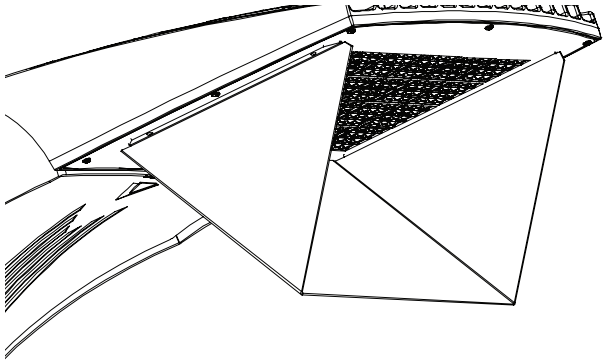
Lens Coverage Patterns:	
WSC-8	360° lens, maximum coverage 48'; diameter from 8' height
WSC-20	360° lens, maximum coverage 48'; diameter from 20' height
WSC-40	360° lens, maximum coverage 100'; diameter from 40' height

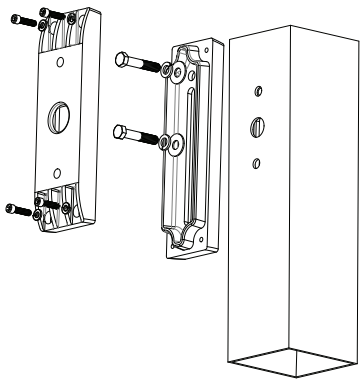
Motion Sensor Default Settings	
High Mode	0 Volts
Low Mode	1 Volts
Time Delay	5 Minutes
Cut Off	1 Hour
Sensitivity	Maximum
Hold Off Set Point	4ft
Candles	N/A
Ramp Up	None
Fade Down	None
Force Off Set Point With Occupied	Disable

VISIONAIRE LIGHTING

LED Specifications **VMX-II Array**

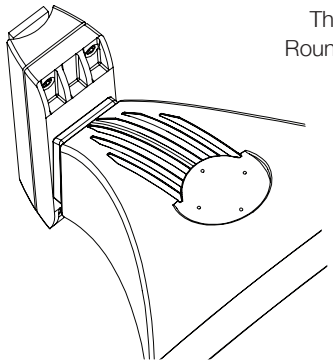
House Shield - Provides solid back light cutoff





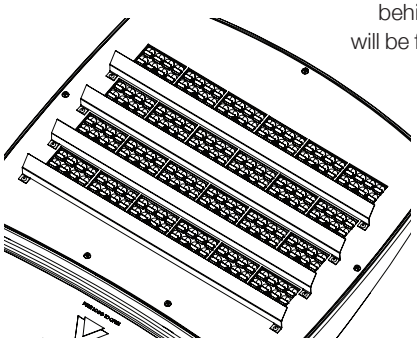
UPMA

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

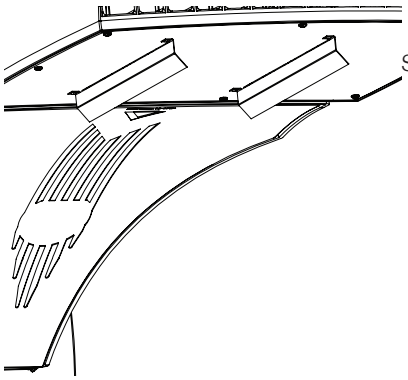
The Universal Pole Mount Adaptor Round is ideal for retrofit applications with existing round poles. This adaptor is slotted to fit any existing drilling pattern, up to 6 ½" bolt to bolt maximum.



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 VMX.

*Not to be used with KM



LCLS

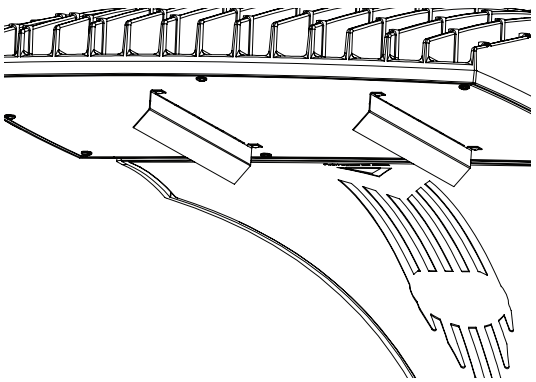
The Left Side Cutoff Louver Shield will reduce light output on the left side of the fixture, all of the light be focused on the right side of the VMX.

*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 VMX.

*Not to be used with KM



19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

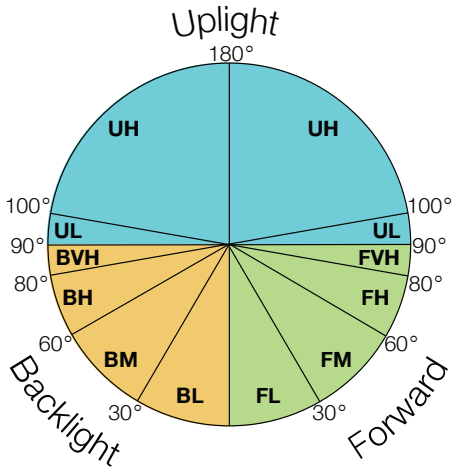
VMX-II Array LED Specifications

VMX-II ARRAY - 3K LUMEN CHART											
Lumens	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
25L	22794	22787	21684	20760	21729	20544	22638	22455	21625	22900	172
30L	26398	26390	25113	24043	25165	23793	26218	26006	25045	26522	208
35L	34423	34413	32747	31352	32815	31025	34188	33912	32658	34584	272
40L	36644	36633	34860	33375	34932	33027	36394	36100	34765	36816	277
45L	43199	42235	41096	39345	41181	38935	42904	42557	40984	42445	339
50L	46111	46098	43867	41997	43957	41560	45796	45426	43747	46327	370
55L	49975	49960	47542	45516	47641	45042	49634	49233	47413	50209	400
VMX-II ARRAY - 4K LUMEN CHART											
Lumens	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
25L	25242	25235	24013	22990	24063	22751	25070	24867	23948	25360	172
30L	29234	29225	27811	26626	27868	26348	29034	28800	27735	29371	208
35L	38120	38109	36265	34720	36340	34358	37860	37554	36166	38299	272
40L	40580	40568	38605	36960	38685	36575	40303	39978	38500	40771	277
45L	47839	46772	45511	43571	45605	43118	47513	47129	45387	47005	339
50L	51064	51049	48579	46509	48679	46025	50716	50306	48447	51304	370
55L	55343	55327	52649	50406	52758	49881	54965	54521	52506	55603	400
VMX-II ARRAY - 5K LUMEN CHART											
Lumens	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
25L	25242	25235	24013	22990	24063	22751	25070	24867	23948	25360	172
30L	29234	29225	27811	26626	27868	26348	29034	28800	27735	29371	208
35L	38120	38109	36265	34720	36340	34358	37860	37554	36166	38299	272
40L	40580	40568	38605	36960	38685	36575	40303	39978	38500	40771	277
45L	47839	46772	45511	43571	45605	43118	47513	47129	45387	47005	339
50L	51064	51049	48579	46509	48679	46025	50716	50306	48447	51304	370
55L	55343	55327	52649	50406	52758	49881	54965	54521	52506	55603	400
VMX-II ARRAY - 3K LUMEN PER WATT CHART											
Lumens	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
25L	133	132	126	121	126	119	132	131	126	133	172
30L	127	127	121	116	121	114	126	125	120	128	208
35L	127	127	120	115	121	114	126	125	120	127	272
40L	132	132	126	120	126	119	131	130	126	133	277
45L	127	125	121	116	121	115	127	126	121	125	339
50L	125	125	119	114	119	112	124	123	118	125	370
55L	125	125	119	114	119	113	124	123	119	126	400
VMX-II ARRAY - 4K LUMEN PER WATT CHART											
Lumens	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
25L	147	147	140	134	140	132	146	145	139	147	172
30L	141	141	134	128	134	127	140	138	133	141	208
35L	140	140	133	128	134	126	139	138	133	141	272
40L	146	146	139	133	140	132	145	144	139	147	277
45L	141	138	134	129	135	127	140	139	134	139	339
50L	138	138	131	126	132	124	137	136	131	139	370
55L	138	138	132	126	132	125	137	136	131	139	400
VMX-II ARRAY - 5K LUMEN PER WATT CHART											
Lumens	T1	T2	T3	T3L	T4	T4L	T4A	T5SR	T5LR	T5LS	Watts
25L	147	147	140	134	140	132	146	145	139	147	172
30L	141	141	134	128	134	127	140	138	133	141	208
35L	140	140	133	128	134	126	139	138	133	141	272
40L	146	146	139	133	140	132	145	144	139	147	277
45L	141	138	134	129	135	127	140	139	134	139	339
50L	138	138	131	126	132	124	137	136	131	139	370
55L	138	138	132	126	132	125	137	136	131	139	400

VISIONAIRE LIGHTING

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.



VMX-II ARRAY - 3K BUG CHART

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	
25L	4	0	4	3	0	3	3	0	3	4	0	4	3	0	3	3	0	4	3	0	3	4	0	2	5	0	4	5	0	3	172
30L	5	0	5	3	0	3	3	0	4	4	0	5	3	0	4	3	0	4	3	0	3	4	0	3	5	0	4	5	0	3	208
35L	5	0	5	4	0	4	3	0	4	4	0	5	4	0	4	4	0	5	4	0	3	5	0	3	5	0	5	5	0	4	272
40L	5	0	5	4	0	4	4	0	4	4	0	5	4	0	4	4	0	5	4	0	4	5	0	3	5	0	5	5	0	4	277
45L	5	0	5	4	0	4	4	0	5	4	0	5	4	0	5	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	339
50L	5	0	5	4	0	4	4	0	5	5	0	5	4	0	5	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	370
55L	5	0	5	4	0	4	4	0	5	5	0	5	4	0	5	4	0	5	5	0	4	5	0	4	5	0	5	5	0	5	400

VMX-II ARRAY - 4K BUG CHART

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	
25L	5	0	5	3	0	3	3	0	4	4	0	4	3	0	3	3	0	4	3	0	3	4	0	3	5	0	4	5	0	3	172
30L	5	0	5	4	0	4	3	0	4	4	0	5	3	0	4	4	0	4	3	0	3	5	0	3	5	0	4	5	0	3	208
35L	5	0	5	4	0	4	4	0	4	4	0	5	4	0	4	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	272
40L	5	0	5	4	0	4	4	0	5	4	0	5	4	0	5	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	277
45L	5	0	5	4	0	4	4	0	5	5	0	5	4	0	5	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	339
50L	5	0	5	4	0	4	4	0	5	5	0	5	4	0	5	4	0	5	5	0	4	5	0	4	5	0	5	5	0	5	370
55L	5	0	5	5	0	5	4	0	5	5	0	5	4	0	5	5	0	5	5	0	4	5	0	4	5	0	5	5	0	5	400

VMX-II ARRAY - 5K BUG CHART

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	
25L	5	0	5	3	0	3	3	0	4	4	0	4	3	0	3	3	0	4	3	0	3	4	0	3	5	0	4	5	0	3	172
30L	5	0	5	4	0	4	3	0	4	4	0	5	3	0	4	4	0	4	3	0	3	5	0	3	5	0	4	5	0	3	208
35L	5	0	5	4	0	4	4	0	4	4	0	5	4	0	4	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	272
40L	5	0	5	4	0	4	4	0	5	4	0	5	4	0	5	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	277
45L	5	0	5	4	0	4	4	0	5	5	0	5	4	0	5	4	0	5	4	0	4	5	0	4	5	0	5	5	0	4	339
50L	5	0	5	4	0	4	4	0	5	5	0	5	4	0	5	4	0	5	5	0	4	5	0	4	5	0	5	5	0	5	370
55L	5	0	5	5	0	5	4	0	5	5	0	5	4	0	5	5	0	5	5	0	4	5	0	4	5	0	5	5	0	5	400

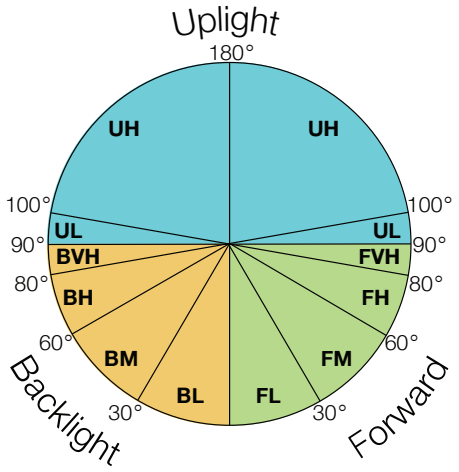
19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

VMX-II Array LED Specifications

VMX-II ARRAY CUTOFF LOUVER SHIELD - 3K LUMEN CHART *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4A**	**T4L**	**T5SR**	**T5LR**	**T5LS**	**Watts**
25L	17982	18372	18064	15597	17056	15435	18832	17663	16247	17438	**172**
30L	20825	21277	20920	18064	19754	17876	21810	20456	18816	20195	**208**
35L	27156	27745	27280	23555	25759	23310	28439	26674	24536	26335	**272**
40L	28908	29535	29040	25075	27421	24814	30275	28395	26120	28034	**277**
45L	34080	34052	34235	29560	32326	29252	35690	33475	30792	32321	**339**
VMX-II ARRAY CUTOFF LOUVER SHIELD - 4K LUMEN CHART *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4A**	**T4L**	**T5SR**	**T5LR**	**T5LS**	**Watts**
25L	19913	20346	20004	17273	18889	17093	20855	19560	17992	19311	**172**
30L	23062	23563	23168	20004	21876	19796	24152	22653	20838	22365	**208**
35L	30073	30725	30210	26085	28525	25813	31494	29539	27172	29163	**272**
40L	32014	32708	32160	27768	30366	27479	33527	31445	28925	31045	**277**
45L	37740	37710	37913	32736	35798	32395	39524	37070	34100	35793	**339**
VMX-II ARRAY CUTOFF LOUVER SHIELD - 5K LUMEN CHART *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4A**	**T4L**	**T5SR**	**T5LR**	**T5LS**	**Watts**
25L	19913	20346	20004	17273	18889	17093	20855	19560	17992	19311	**172**
30L	23062	23563	23168	20004	21876	19796	24152	22653	20838	22365	**208**
35L	30073	30725	30210	26085	28525	25813	31494	29539	27172	29163	**272**
40L	32014	32708	32160	27768	30366	27479	33527	31445	28925	31045	**277**
45L	37740	37710	37913	32736	35798	32395	39524	37070	34100	35793	**339**
VMX-II ARRAY CUTOFF LOUVER SHIELD - 3K LUMEN PER WATT CHART *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4A**	**T4L**	**T5SR**	**T5LR**	**T5LS**	**Watts**
25L	105	107	105	91	99	90	109	103	94	101	**172**
30L	100	102	101	87	95	86	105	98	90	97	**208**
35L	100	102	100	87	95	86	105	98	90	97	**272**
40L	104	107	105	91	99	90	109	103	94	101	**277**
45L	101	100	101	87	95	86	105	99	91	95	**339**
VMX-II ARRAY CUTOFF LOUVER SHIELD - 4K LUMEN PER WATT CHART *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4A**	**T4L**	**T5SR**	**T5LR**	**T5LS**	**Watts**
25L	116	118	116	100	110	99	121	114	105	112	**172**
30L	111	113	111	96	105	95	116	109	100	108	**208**
35L	111	113	111	96	105	95	116	109	100	107	**272**
40L	116	118	116	100	110	99	121	114	104	112	**277**
45L	111	111	112	97	106	96	117	109	101	106	**339**
VMX-II ARRAY CUTOFF LOUVER SHIELD - 5K LUMEN PER WATT CHART *Not to be used with KM											
Lumens	**T1**	**T2**	**T3**	**T3L**	**T4**	**T4A**	**T4L**	**T5SR**	**T5LR**	**T5LS**	**Watts**
25L	116	118	116	100	110	99	121	114	105	112	**172**
30L	111	113	111	96	105	95	116	109	100	108	**208**
35L	111	113	111	96	105	95	116	109	100	107	**272**
40L	116	118	116	100	110	99	121	114	104	112	**277**
45L	111	111	112	97	106	96	117	109	101	106	**339**

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.



VMX-II ARRAY CUTOFF LOUVER SHIELD - 3K BUG CHART *Not to be used with KM																												
Lumens	T1			T2			T3			T3L			T4			T4A			T4L			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	
25L	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	2	3	4	3	3	3	3	3	4	2	3	5	2	3	4	172
30L	3	3	5	3	3	5	3	3	4	3	3	5	3	3	4	3	3	4	3	3	4	3	3	4	3	3	5	3	3	5	208
35L	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	4	3	3	5	3	3	5	3	3	5	272
40L	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	4	3	3	5	3	3	5	3	3	5	277
45L	4	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	339
VMX-II ARRAY CUTOFF LOUVER SHIELD - 4K BUG CHART *Not to be used with KM																												
Lumens	T1			T2			T3			T3L			T4			T4A			T4L			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	
25L	3	3	4	3	3	5	3	3	4	3	3	4	3	3	4	3	3	4	3	3	3	3	3	4	3	3	5	3	3	5	172
30L	3	3	5	3	3	5	3	3	4	3	3	5	3	3	5	3	3	4	3	3	4	3	3	5	3	3	5	3	3	5	208
35L	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	4	3	3	5	3	3	5	3	3	5	272
40L	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	277
45L	4	4	5	3	3	5	4	3	5	3	3	5	4	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	339
VMX-II ARRAY CUTOFF LOUVER SHIELD - 5K BUG CHART *Not to be used with KM																												
Lumens	T1			T2			T3			T3L			T4			T4A			T4L			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	
25L	3	3	4	3	3	5	3	3	4	3	3	4	3	3	4	3	3	4	3	3	3	3	3	4	3	3	5	3	3	5	172
30L	3	3	5	3	3	5	3	3	4	3	3	5	3	3	5	3	3	4	3	3	4	3	3	5	3	3	5	3	3	5	208
35L	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	4	3	3	5	3	3	5	3	3	5	272
40L	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	277
45L	4	4	5	3	3	5	4	3	5	3	3	5	4	3	5	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5	339

19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

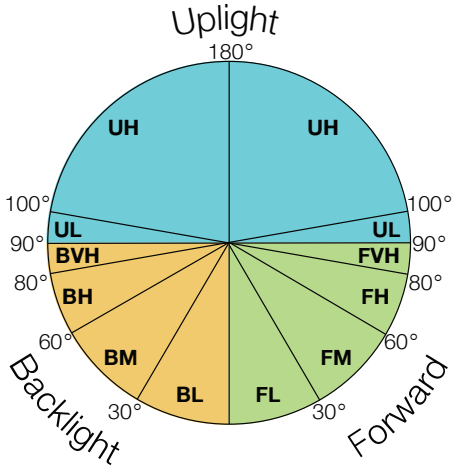
VMX-II Array LED Specifications

VMX-II ARRAY HOUSE SHIELD - 3K LUMEN CHART											
Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5SR	T5LR	T5LS	Watts
25L	5682	7196	7427	6777	8960	7243	7598	6861	6177	6343	172
30L	6581	8334	8602	7849	10377	8388	8800	7946	7154	7346	208
35L	8582	10868	11216	10235	13532	10938	11475	10361	9329	9579	272
40L	9135	11569	11940	10895	14405	11643	12215	11030	9931	10197	277
45L	10769	13338	14076	12844	16982	13726	14401	13003	11708	11756	339
50L	11495	14558	15025	13710	18127	14651	15371	13879	12497	12831	370
55L	12459	15778	16284	14859	19646	15879	16659	15042	13544	13906	400
VMX-II ARRAY HOUSE SHIELD - 4K LUMEN CHART											
Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5SR	T5LR	T5LS	Watts
25L	6293	7970	8225	7505	9923	8021	8415	7598	6841	7024	172
30L	7288	9230	9525	8692	11492	9289	9745	8799	7923	8135	208
35L	9503	12035	12421	11334	14986	12113	12708	11474	10331	10608	272
40L	10117	12812	13223	12066	15953	12894	13528	12214	10998	11292	277
45L	11926	14771	15588	14224	18806	15201	15948	14399	12965	13019	339
50L	12730	16122	16639	15183	20074	16226	17023	15370	13839	14209	370
55L	13797	17473	18033	16455	21756	17585	18449	16658	14999	15400	400
VMX-II ARRAY HOUSE SHIELD - 5K LUMEN CHART											
Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5SR	T5LR	T5LS	Watts
25L	6293	7970	8225	7505	9923	8021	8415	7598	6841	7024	172
30L	7288	9230	9525	8692	11492	9289	9745	8799	7923	8135	208
35L	9503	12035	12421	11334	14986	12113	12708	11474	10331	10608	272
40L	10117	12812	13223	12066	15953	12894	13528	12214	10998	11292	277
45L	11926	14771	15588	14224	18806	15201	15948	14399	12965	13019	339
50L	12730	16122	16639	15183	20074	16226	17023	15370	13839	14209	370
55L	13797	17473	18033	16455	21756	17585	18449	16658	14999	15400	400
VMX-II ARRAY HOUSE SHIELD - 3K LUMEN PER WATT CHART											
Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5SR	T5LR	T5LS	Watts
25L	33	42	43	39	52	42	44	40	36	37	172
30L	32	40	41	38	50	40	42	38	34	35	208
35L	32	40	41	38	50	40	42	38	34	35	272
40L	33	42	43	39	52	42	44	40	36	37	277
45L	32	39	42	38	50	40	42	38	35	35	339
50L	31	39	41	37	49	40	42	38	34	35	370
55L	31	39	41	37	49	40	42	38	34	35	400
VMX-II ARRAY HOUSE SHIELD - 4K LUMEN PER WATT CHART											
Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5SR	T5LR	T5LS	Watts
25L	37	46	48	44	58	47	49	44	40	41	172
30L	35	44	46	42	55	45	47	42	38	39	208
35L	35	44	46	42	55	45	47	42	38	39	272
40L	37	46	48	44	58	47	49	44	40	41	277
45L	35	44	46	42	55	45	47	42	38	38	339
50L	34	44	45	41	54	44	46	42	37	38	370
55L	34	44	45	41	54	44	46	42	37	39	400
VMX-II ARRAY HOUSE SHIELD - 5K LUMEN PER WATT CHART											
Lumens	T1	T2	T3	T3L	T4	T4A	T4L	T5SR	T5LR	T5LS	Watts
25L	37	46	48	44	58	47	49	44	40	41	172
30L	35	44	46	42	55	45	47	42	38	39	208
35L	35	44	46	42	55	45	47	42	38	39	272
40L	37	46	48	44	58	47	49	44	40	41	277
45L	35	44	46	42	55	45	47	42	38	38	339
50L	34	44	45	41	54	44	46	42	37	38	370
55L	34	44	45	41	54	44	46	42	37	39	400

VISIONAIRE LIGHTING

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.



VMX-II ARRAY HOUSE SHIELD - 3K BUG CHART

Lumens	T1			T2			T3			T3L			T4			T4A			T4L			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	
25L	1	0	2	1	0	1	1	0	2	0	0	2	1	0	2	0	0	2	1	0	1	1	0	2	0	0	2	0	0	2	172
30L	1	0	2	1	0	2	1	0	2	0	0	2	1	0	3	0	0	2	1	0	2	1	0	2	0	0	2	0	0	2	208
35L	1	0	2	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	2	1	0	2	272
40L	1	0	2	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	2	277
45L	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	2	339
50L	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	3	370
55L	1	0	3	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	3	400

VMX-II ARRAY HOUSE SHIELD - 4K BUG CHART

Lumens	T1			T2			T3			T3L			T4			T4A			T4L			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	
25L	1	0	2	1	0	2	1	0	2	0	0	2	1	0	2	0	0	2	1	0	2	1	0	2	0	0	2	0	0	2	172
30L	1	0	2	1	0	2	1	0	2	0	0	2	1	0	3	0	0	3	1	0	2	1	0	2	0	0	2	0	0	2	208
35L	1	0	2	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	2	272
40L	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	2	277
45L	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	3	339
50L	1	0	3	1	0	2	1	0	3	1	0	3	1	0	3	1	0	4	1	0	2	1	0	2	1	0	3	1	0	3	370
55L	1	0	3	1	0	3	1	0	3	1	0	3	1	0	3	1	0	4	1	0	3	1	0	2	1	0	3	1	0	3	400

VMX-II ARRAY HOUSE SHIELD - 5K BUG CHART

Lumens	T1			T2			T3			T3L			T4			T4A			T4L			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	
25L	1	0	2	1	0	2	1	0	2	0	0	2	1	0	2	0	0	2	1	0	2	1	0	2	0	0	2	0	0	2	172
30L	1	0	2	1	0	2	1	0	2	0	0	2	1	0	3	0	0	3	1	0	2	1	0	2	0	0	2	0	0	2	208
35L	1	0	2	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	2	272
40L	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	2	277
45L	1	0	2	1	0	2	1	0	3	1	0	3	1	0	3	1	0	3	1	0	2	1	0	2	1	0	3	1	0	3	339
50L	1	0	3	1	0	2	1	0	3	1	0	3	1	0	3	1	0	4	1	0	2	1	0	2	1	0	3	1	0	3	370
55L	1	0	3	1	0	3	1	0	3	1	0	3	1	0	3	1	0	4	1	0	3	1	0	2	1	0	3	1	0	3	400

19645 Rancho Way • Rancho Dominguez, CA 90220 • Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com