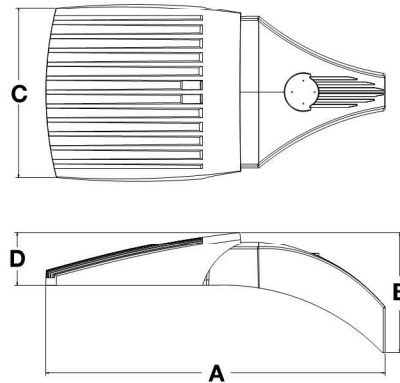


PROPERTY LINE  
 Illuminance (Fc)  
 Average = 0.13  
 Maximum = 0.4  
 Minimum = 0.0  
 Avg/Min Ratio = 0.00  
 Max/Min Ratio = 0.00

Luminaire Schedule				
Symbol	Label	Qty	Description	LIF
	A-1	2	VISIONAIRE LIGHTING # VMX-1-03-96LC-7-4K-INV-CLS @ 25'	0.750
	B-1	4	VISIONAIRE LIGHTING # VMX-1-05-96LC-7-4K-INV @ 25'	0.750

POLE HEIGHT

## Dimensional Drawings



Fixture	A	B	C	D	Max. Watts	Lbs
VMX-1	29"	10.75"	15.5"	4"	214	49

The new VMX 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 tool-less access for mounting and maintenance.

The LED light assemblies come with 48 to 96 LEDs. Seven 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 VMX LED series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Model	Optics	Source	Current	Kelvin	Voltage	Mounting	Finish	Options
<b>VMX-1</b>	Type I (T1)	# of LEDs 48 (48LC)	mA 350 (3)	3000K *Warm white (3K)	120-277 *Universal voltage (UNV)	Arm Mount (AM)	Bronze (BZ)	<u>Photocell &amp; Receptacle</u> Specify voltage (PCR120) (PCR208) (PCR240) (PCR277) (PCR460)  Photo Receptacle (PER) *With shoring cap  <u>Round Pole Plate Adaptor</u> For 3" Pole (RPP3) For 4" Pole (RPP4) For 5" Pole (RPP5) Cast Wall Plate (BAWP)  0-10v Dimming Driver No Controls (DIM)  Motion Sensor *Works with FSP-211 (WSC-8) 8" Mounting Height (WSC-20) 9-20" Mounting Height (WSC-40) 21-40" Mounting Height  This option will require (1) FSIR 100 remote for programming  Wireless Control Consult Factory (WC)  Universal Pole Mount Adaptor (UPMA)  Back Side Cutoff Louver Shield (CLS)  Right Side Cutoff Louver Shield (RCLS)  Left Side Cutoff Louver Shield (LCLS)  Emergency Battery Pack *Universal Voltage only (EBPL)
	Type II (T2)	64 (64LC)	530 (5)	4000K *Neutral white (4K)	480* (5)	Wall Mount *Cast Wall Plate (BAWP) to be ordered separately (WM)	Black (BK)	
	Type III (T3)	80 (80LC)	700 (7)	5000K *Cool white (5K)	347* (8)	Round Pole Plate Adaptors (RPP) are to be ordered separately.	Smooth Black (SBK)	
	Type IV (T4)	96 (96LC) *Not available in 1000mA	*1000 (10) *Not available in 96LC		*347V & 480V no available in 32LC 350mA	VMX DRILL DIAGRAM 	White (WH)	
	Type IV-A (T4A)						Smooth White (SWH)	
	Type V (T5)					*UPMA to be ordered separately	Graphite (GP)	
	Type V-W (T5W)						Grey (GY)	
							Silver Metallic (SL)	
							Custom Color (CC)	

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

**Heatsink**

- Cast aluminum heatsink with integral cooling fins for thermal management.

**Mounting Arm/Driver Compartment**

- Durable two-piece die cast aluminum driver compartment utilizes a tool-less push button latch for ease of maintenance and sealed with a one-piece silicone gasket.

**Thermal Management**

- The VMX 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 VMX 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 VMX series. IES distribution Types I, II, III, IV, IV-A, V and V-W are available. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
- CRI values are 70 for 3000K, 70 for 4000K and 70 for 5000K.

**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 VMX 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](http://www.visionairelighting.com).

**Options**

- Photocell & receptacle
- Photo receptacle
- Round pole plate adapter
- Cast Wall Plate
- 0-10v Dimming Driver
- Motion Sensor
- Wireless Control
- Universal Pole Mount Adaptor
- Cut-Off Louver Shield
- Emergency Battery Pack

**Listings**

- The VMX Series is cUL Listed
- IP65 Rated
- Powder Coated Tough
- DLC Listed
- IDA Certification



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.

**VMX 4K LUMEN DATA** Updated Lumen Chart 11.03.17

# LEDs	mA	Type 1	B	U	G	LPW	Type 2	B	U	G	LPW	Type 3	B	U	G	LPW	Type 4	B	U	G	LPW	Type 5	B	U	G	LPW	Type SW	B	U	G	LPW	Watts					
48	350	7695	3	0	3	148	7273	2	0	2	140	7624	1	0	2	147	7362	2	0	2	142	7707	1	0	1	148	7901	3	0	1	152	7719	3	0	2	148	52
	530	10324	3	0	3	132	9757	2	0	3	125	10229	2	0	2	131	9876	2	0	2	126	10339	2	0	1	132	10600	3	0	2	135	10356	4	0	2	132	78
	700	13459	3	0	3	127	12720	3	0	3	120	13335	2	0	2	126	12876	2	0	3	121	13479	2	0	2	127	13819	4	0	2	130	13501	4	0	2	127	106
	1000	18430	4	0	3	114	17418	3	0	3	108	18280	2	0	3	113	17631	3	0	3	110	18457	3	0	2	115	18923	4	0	2	118	18487	4	0	2	115	161
64	350	9799	3	0	3	140	9261	2	0	3	132	9709	1	0	2	139	9375	2	0	2	134	9814	2	0	1	140	10061	3	0	2	144	9830	3	0	2	140	70
	530	14487	3	0	3	135	13692	3	0	3	128	14354	2	0	2	134	13860	3	0	3	130	14509	2	0	2	136	14875	4	0	2	139	14532	4	0	2	136	107
	700	17777	4	0	3	125	16800	3	0	3	118	17612	2	0	3	124	17006	3	0	3	120	17802	3	0	2	125	18252	4	0	2	129	17831	4	0	2	126	142
	1000	24444	4	0	4	112	23101	3	0	4	106	24218	3	0	4	111	23385	3	0	4	107	24479	3	0	2	112	25097	4	0	2	115	24519	5	0	3	112	218
80	350	12118	3	0	3	140	11452	2	0	3	132	12006	2	0	2	138	11593	2	0	2	133	12136	2	0	1	140	12442	3	0	2	143	12155	4	0	2	140	87
	530	17515	4	0	3	133	16553	3	0	3	126	17354	2	0	3	132	16756	3	0	3	127	17541	3	0	2	133	17984	4	0	2	136	17669	4	0	2	133	132
	700	21909	4	0	4	124	20705	3	0	4	117	21707	3	0	3	123	20959	3	0	3	118	21941	3	0	2	124	22495	4	0	2	127	21977	5	0	3	124	177
	1000	30555	5	0	4	112	28876	3	0	5	106	30273	3	0	4	111	29231	3	0	4	108	30599	3	0	3	113	31372	5	0	3	115	30649	5	0	4	113	272
96	350	14436	3	0	3	139	13643	3	0	3	132	14303	2	0	2	138	13811	2	0	3	133	14457	2	0	2	139	14822	4	0	2	143	14481	4	0	2	140	104
	530	20543	4	0	4	131	19415	3	0	4	124	20354	3	0	3	130	19653	3	0	3	125	20573	3	0	2	131	21092	4	0	2	135	20607	5	0	3	132	157
	700	26041	4	0	4	123	24611	3	0	4	116	25801	3	0	4	122	24912	3	0	4	118	26079	3	0	3	123	26737	5	0	3	126	26122	5	0	3	123	212

Visit [www.visionairelighting.com](http://www.visionairelighting.com) for up-to-the-minute chart information, including types not listed here.  
 \*For 5000K multiply values by 0.96 \*For 3000K multiply values by 0.95

**EPA Data**

0.75	1.47	1.5	2.22	2.1	2.22



# SNTS

Project Name:

Catalog Number:

Type

## Specifications

### Square Non Tapered Steel Pole

#### Pole Shaft

- ASTM A500 Grade B tubing with minimum yield strength of 46,000 PSI. Shaft is furnished with ground lug inside pole, opposite hand hole opening. Center line of hand hole is 12" from base plate.

#### Base Plate

- Steel Plate base is ASTM-A36 hot rolled steel, meets or exceeds minimum yield strength of 36,000 PSI.
- Base templates provided with order. Do not pre-pour.

#### Base Cover

- Die-formed from heavy gauge quality aluminum. Two piece cover for easy installation.

#### Pole Cap

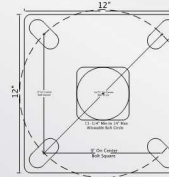
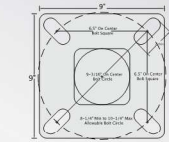
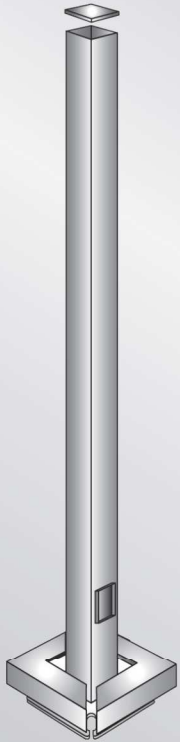
- Color-impregnated polymer snap-to-close pole cap provided in black.

#### Finish

- All poles are shot-blasted and cleaned to a near-white finish prior to painting. A Quali-Guard® textured thermoset polyester powder coat is then applied to a minimum of 3 millimeters and then oven-baked at a temperature of 400 °F to promote exceptional adherence and finish hardness. Pole finish is warranted for a full two (2) years. An optional five (5) year extended warranty is also available (external prime coat and internal rust inhibiting coating).

#### Anchor Bolts

- Poles are provided with hot-dip galvanized anchor bolts, with a "J" bend on one end and two flat hex bolts end and two flat washers per bolt. Anchor bolts meet or exceed a minimum of 36,000 PSI. Anchor bolts conform to ASTM F1554 grade 36 and are provided.



POLES + BASES

Model	Shaft Size	Gauge	Height	Base	Anchorage	Mounting	Finish	Options			
<b>SNTS</b>	4" x 4" (4S)	11 (11) 7 (7)	10'	9" Base *9-3/16" BC (9BC)	3/4" x 30" (343)	<u>Bolt-On Arm</u> Single (S1) D180 (D2) D90 (D9) T90 (T9) Quad (QD)	Bronze (BZ) Black (BK) White (WH) Tennis Green (GN) Forest Green (FG) Grey (GY) Silver Metallic (SL) Graphite (GP)	GFI Receptacle *Standard location is in hand hole (GFI) Coupling *Specify size and location (CUP) Custom Bolt Circle *Consult factory (CBC) Rust-Inhibiting Internal Coating & Primer (HCR)			
			12'								
			14'								
			16'								
			18'								
			20'								
	22'	12" Base *12 3/4" BC (12BC)	1" x 36" (136)	D90 (D9) T90 (T9) Quad (QD)	Tennis Green (GN) Forest Green (FG) Grey (GY) Silver Metallic (SL) Graphite (GP)	Rust-Inhibiting Internal Coating & Primer (HCR)					
	25'										
	28'										
	20'						12" Base *12 3/4" BC (12BC)	1" x 36" (136)	T90 (T9) Quad (QD)	Forest Green (FG) Grey (GY) Silver Metallic (SL) Graphite (GP)	Rust-Inhibiting Internal Coating & Primer (HCR)
	22'										
	25'										
28'											
30'											
35'											
5" x 5" (5S)	11 (11) 7 (7)	20'	12" Base *12 3/4" BC (12BC)	1" x 36" (136)	T90 (T9) Quad (QD)	Forest Green (FG) Grey (GY) Silver Metallic (SL) Graphite (GP)	Rust-Inhibiting Internal Coating & Primer (HCR)				
22'											
25'											
28'											
30'											
35'											
6" x 6" (6S)	7 (7)	28'	12" Base *12 3/4" BC (12BC)	1" x 36" (136)	<u>Tenon Options</u> 1 1/2" NPT (T11/2NPT) 2 3/8" (T238R) 3" (T3R)	Galvanized *No paint (GAL)	Direct Burial Coupling *Specify Size and Location as CUP_S-xx_L-yy "xx" = 1/2" or 3/4" "yy" = feet from bottom of pole (CUP_S-__L-__) Hand Hole *Specify cover and location as HHC_C-xx_L-yy "xx" = Y for yes, or N for no "yy" = feet from bottom of pole (HHC_C-__L-__)				
		30'									
		35'									
			Custom Base *Consult factory (CB) Direct Burial *Specify below-grade lengths in the form of DB-xx, where "xx" = feet. (DB-__) NOTE: CUP and/or HHC Options required.								

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



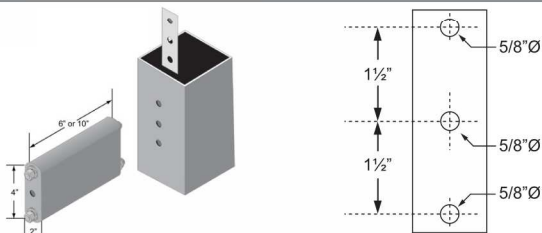
**Pole EPA for Square Non Tapered Steel Poles**

Pole Height	Maximum Allowable EPA (ft <sup>2</sup> ) with 1.3 gust factor							O.D.	Pole Gauge	Pole Base Plate	Bolt Circle	Anchor Bolts
	80 mph	90 mph	100 mph	110 mph	120 mph	130 mph	140 mph					
10'	30.1	23.5	18.4	11.0	10.3	7.6	6.1	4"	11	9"sq x 3/4"	9-3/16"	3/4" x 30"
12'	23.0	17.4	13.7	8.5	7.4	5.7	4.4	4"	11	9"sq x 3/4"	9-3/16"	3/4" x 30"
14'	18.6	13.9	10.6	6.6	5.7	4.3	3.1	4"	11	9"sq x 3/4"	9-3/16"	3/4" x 30"
16'	15.0	10.9	10.1	4.8	3.9	3.1	1.9	4"	11	9"sq x 3/4"	9-3/16"	3/4" x 30"
18'	11.7	8.4	6.0	3.4	2.8	1.9	-	4"	11	9"sq x 3/4"	9-3/16"	3/4" x 30"
20'	9.3	6.4	4.3	2.4	1.7	1.3	-	4"	11	9"sq x 3/4"	9-3/16"	3/4" x 30"
20'	15.8	10.9	8.2	5.0	4.2	3.1	2.0	4"	7	9"sq x 3/4"	9-3/16"	3/4" x 30"
20'	17.1	12.3	8.9	5.0	4.1	3.0	1.4	5"	11	12"sq x 1"	12-3/4"	1" x 36"
20'	27.4	22.1	16.7	13.2	8.3	6.0	3.9	5"	7	12"sq x 1"	12-3/4"	1" x 36"
22'	6.3	3.7	1.9	1.3	-	-	-	4"	11	12"sq x 1"	12-3/4"	1" x 36"
22'	11.8	8.0	5.4	3.5	2.3	2.0	-	4"	7	12"sq x 1"	12-3/4"	1" x 36"
22'	12.6	8.4	5.4	3.2	1.9	1.6	-	5"	11	12"sq x 1"	12-3/4"	1" x 36"
22'	21.4	15.4	11.1	6.9	5.0	4.3	2.3	5"	7	12"sq x 1"	12-3/4"	1" x 36"
25'	5.0	2.9	1.3	-	-	-	-	4"	11	12"sq x 1"	12-3/4"	1" x 36"
25'	10.9	7.4	5.2	2.1	1.3	1.0	-	4"	7	12"sq x 1"	12-3/4"	1" x 36"
25'	10.2	6.6	4.0	1.6	-	-	-	5"	11	12"sq x 1"	12-3/4"	1" x 36"
25'	18.8	13.0	9.5	4.8	3.7	2.7	-	5"	7	12"sq x 1"	12-3/4"	1" x 36"
28'	5.6	3.1	1.4	1.1	-	-	-	4"	7	12"sq x 1"	12-3/4"	1" x 36"
28'	5.5	3.0	1.3	-	-	-	-	5"	11	12"sq x 1"	12-3/4"	1" x 36"
28'	12.0	7.6	4.4	2.8	1.3	1.1	-	5"	7	12"sq x 1"	12-3/4"	1" x 36"
28'	20.9	14.1	9.4	5.7	3.6	3.1	-	6"	7	12"sq x 1"	12-3/4"	1" x 36"
30'	5.0	2.2	-	-	-	-	-	5"	11	12"sq x 1"	12-3/4"	1" x 36"
30'	11.4	6.8	4.0	1.7	-	-	-	5"	7	12"sq x 1"	12-3/4"	1" x 36"
30'	18.9	12.8	8.4	4.3	3.0	1.9	-	6"	7	12"sq x 1"	12-3/4"	1" x 36"
35'	6.7	2.3	1.8	-	-	-	-	5"	7	12"sq x 1"	12-3/4"	1" x 36"
35'	12.1	7.0	3.8	-	-	-	-	6"	7	12"sq x 1"	12-3/4"	1" x 36"

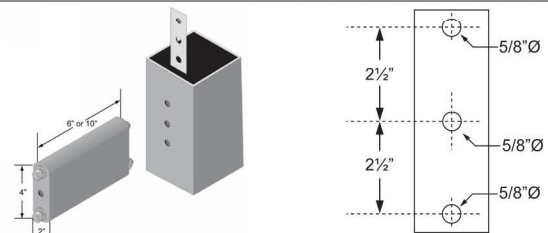
For Direct Burial EPA, consult factory

• CAUTION: If any additional stress such as flags, banners, streamers, ropes, or any other such items are added to poles, Visionaire Lighting's normal product guarantee is null and void. Additionally, adding such items to any pole may create severely hazardous conditions. Poles are calculated to withstand steady wind velocities of between 70 and 100 mph wind zones with a 1.3 gust factor depending on height, wall thickness, and width/ diameter. For an exact rating on a specific order, contact Visionaire directly.

**2 x 4 BOA Drill Pattern**



**2 x 6 BOA Drill Pattern**



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