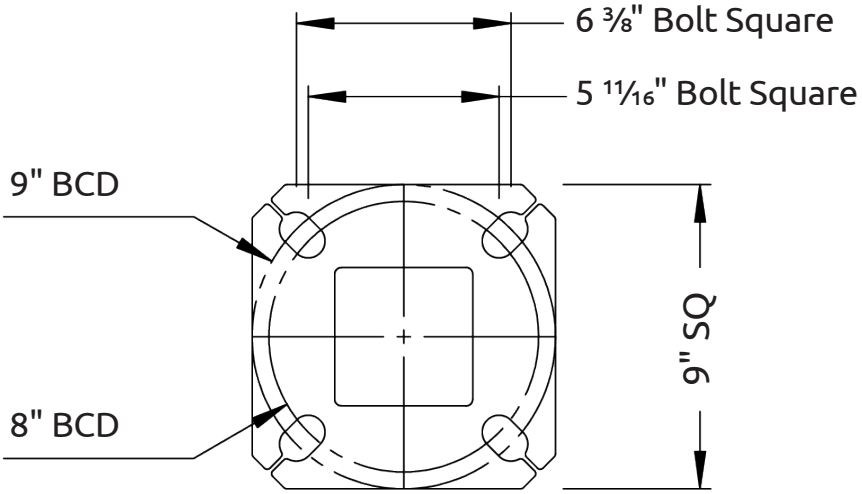
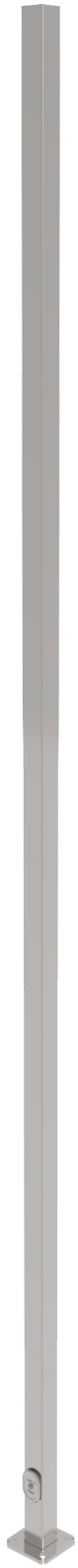
4" Straight Square Steel



NSS Type A

(¾" x 24" Anchor Bolts)



- If supplied, the festoon box is installed at 5m height. Notify Nova Pole if different mounting height is required.
- Hand hole ring mounting height is 12" to centre and comes with (3"x5") hand hole cover
- Wind speeds (mph) in the table denote the maximum wind gust speed at the project site (i.e. gust factor included).
- Maximum EPA rating includes fixture(s) and supporting arm(s) and is for standard pole installation on concrete bases/footings.
- All poles are supplied with nut covers, shims and top plastic cap.
- Pole designs based on AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals.
- Contact Sales Team for custom sizes and/or applications.
- Specific information and details may be subject to change without notice.
- Please see *Warranty* and *Terms & Conditions*.

NOVA POLE

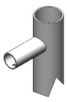
4" Straight Square Steel

CATALOGUE #			
PROJECT NAME			
CITY			
PREPARED BY		DATE	
COMMENTS			

FIXTURE INFO	
QUANTITY	
EPA (sq.ft.)	
WEIGHT (lbs)	

Catalogue #	Pole Height (ft)	Pole Weight (lbs)	Pole Type	Anchor Bolt Size	Base Plate Type	Maximum EPA (sq.ft.)			
						80MPH	90MPH	100MPH	110MPH
NSS410LD	10	80	LD	3/4" x 24"	A	32.0	26.0	21.0	17.0
NSS412LD	12	93	LD	3/4" x 24"	A	27.0	21.5	17.0	14.0
NSS416LD	16	118	LD	3/4" x 24"	A	20.0	15.5	12.0	9.5
NSS418LD	18	131	LD	3/4" x 24"	A	16.5	13.0	10.0	7.5
NSS420LD	20	144	LD	3/4" x 24"	A	14.0	10.5	8.0	6.0
NSS420MD	20	205	MD	3/4" x 24"	A	22.0	17.0	13.0	10.5
NSS424LD	24	170	LD	3/4" x 24"	A	10.0	7.0	5.0	3.5
NSS424MD	24	242	MD	3/4" x 24"	A	16.5	12.0	9.0	7.0
NSS430MD	30	299	MD	3/4" x 24"	A	10.0	7.0	4.5	3.0

Order Entry Info

HEIGHT (ft)	MOUNTING TYPE *(See Note 1)*	FINISH TYPE	PC COLOUR	OPTIONS *(Click descriptions to view product)*
10 (LD)	**TOP TENON MOUNT** **TT238 -** 2 3/8" x 5" tenon **TT278 -** 2 7/8" x 5" tenon **TT350 -** 3 1/2" x 5" tenon	**PC -** Powder Coated	**WHT -** White (RAL-9003)	☐ **DUPR -** 1110 Box Provision (Festoon Box)
12 (LD)		**NTPC -** Nova Tuff Powder Coated (*Colour Chart*)	**BLK -** Black (BK50)	☐ **DUPRGFI -** 1110 Box Provision c/w 15A 120V GFI Receptacle and Weatherproof Cover
16 (LD)	 **SIDE TENON MOUNT** ***Dimensions: 2 3/8" dia. x 5" long*** **ST1 -** Single Head **ST2180 -** 2 Heads at 180 **ST290 -** 2 Heads at 90 **ST390 -** 3 Heads at 90 **ST490 -** 4 Heads at 90	**GALV -** Galvanized	**DBZ -** Dark Bronze (RAL-8019)	☐ **BCP -** Type 4 Plastic Base Cover
18 (LD)		**GALVPC -** Galvanized and Powder Coated	**GRY -** Grey (RAL-7040)	☐ **BCCS -** Type 4 Cast Square Base Cover
20 (LD)		**GALVNT -** Galvanized and Nova Tuff Powder Coated	**GRN -** Green (RAL-6005)	☐ **HHSS -** Hand Hole Security System
20 (MD)	**DRILL PATTERN** **DP1 -** Single Head **DP2180 -** 2 Heads at 180 **DP290 -** 2 Heads at 90 **DP390 -** 3 Heads at 90 **DP490 -** 4 Heads at 90	*For PC or GALVPC, please select Colour from next column*	**CC -** Custom Colour (RAL-) ***(Additional charges may apply)***	☐ **FBA1 -** Flower Basket Arm One Side *(See Note 2)*
24 (LD)				☐ **FBA2 -** Flower Basket Arm Dual *(See Note 2)*
24 (MD)				☐ **BA1 -** Banner Arms One Side *(See Note 3)*
30 (MD)	**N -** None		**N -** None *For Nova Tuff, please provide RAL# under CC*	☐ **BA2 -** Banner Arms Dual *(See Note 3)* ☐ **AB -** Anchor Bolts ☐ **BH -** Bullhorns Select Bullhorn ☐ **N -** None

Height	Mounting	Finish Type	PC Colour	Options
NSS4 Select	Select Mounting	Select Finish	Select PC Colour	

Pole Type: LD = Light Duty, MD = Medium Duty, HD = Heavy Duty

Sample Catalogue #: NSS416LD-ST1-GALVPC-BLK-HHSS-BA1

Note 1: Please provide fixture cutsheet.
Note 2: Please provide basket weight, arm length and mounting height.
Note 3: Please provide banner size and mounting height.

Reset Order Entry Form RESET

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

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 Sensor
• Wireless Control
• Round pole plate adapter
• Universal Pole Mount Adaptor
• Cast Wall Plate
• Rotated Optics

Listings
• The VSX-II Series is cUL Listed
• IP65 Rated 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

VSX-II Array LED Specifications

Photometric Optical Summary

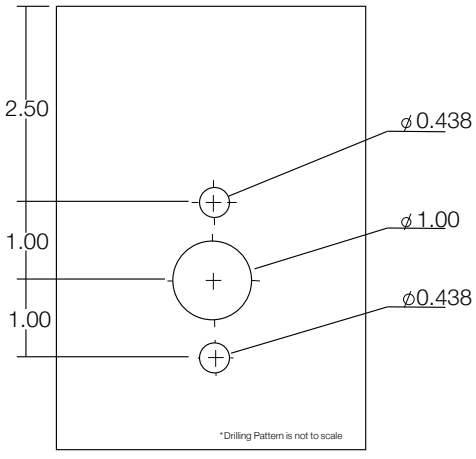
EPA Data	0.58	.92	1.16	1.45	1.40	1.48

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

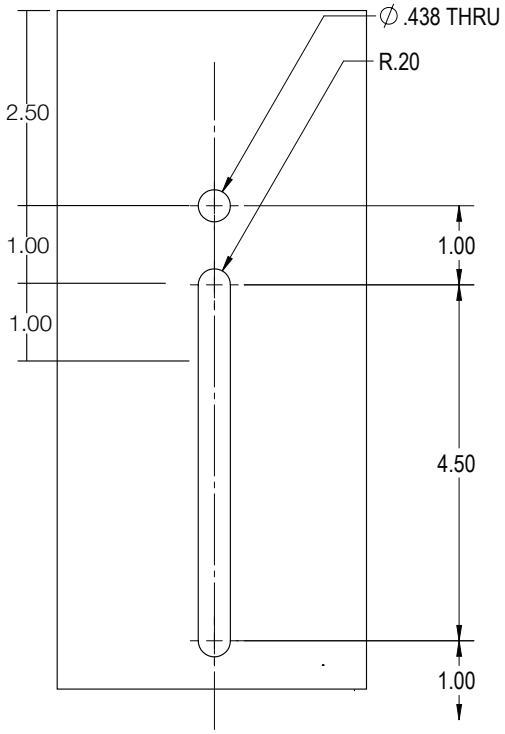
Dimensions

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)



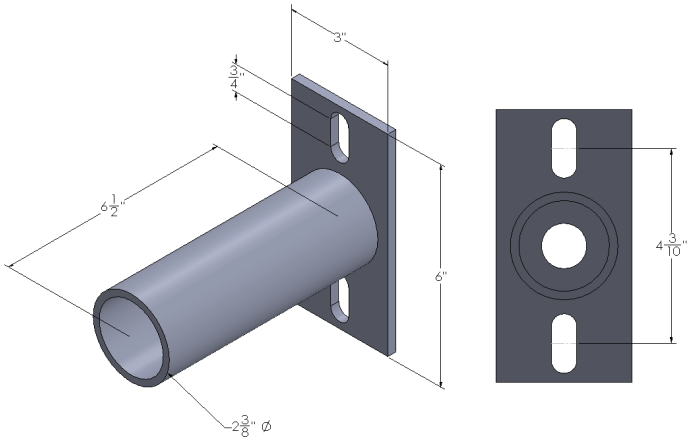
Drilling Template for (UAM)



VSX-II Options

Universal Mast Arm Fitter

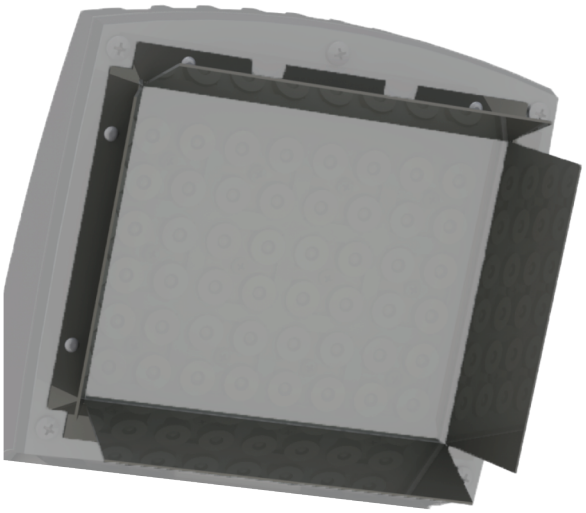
UMAP – The Universal Mast Arm Fitter is a simple solution for retrofit applications where a fixture needs to mount to an existing pole, the UMAP is meant to be use to with knuckle mounts and also Mast Arm Fitters. The UMAP has a bolt slot ranging from 7" all the way down to 3.5". The UMAP also has a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