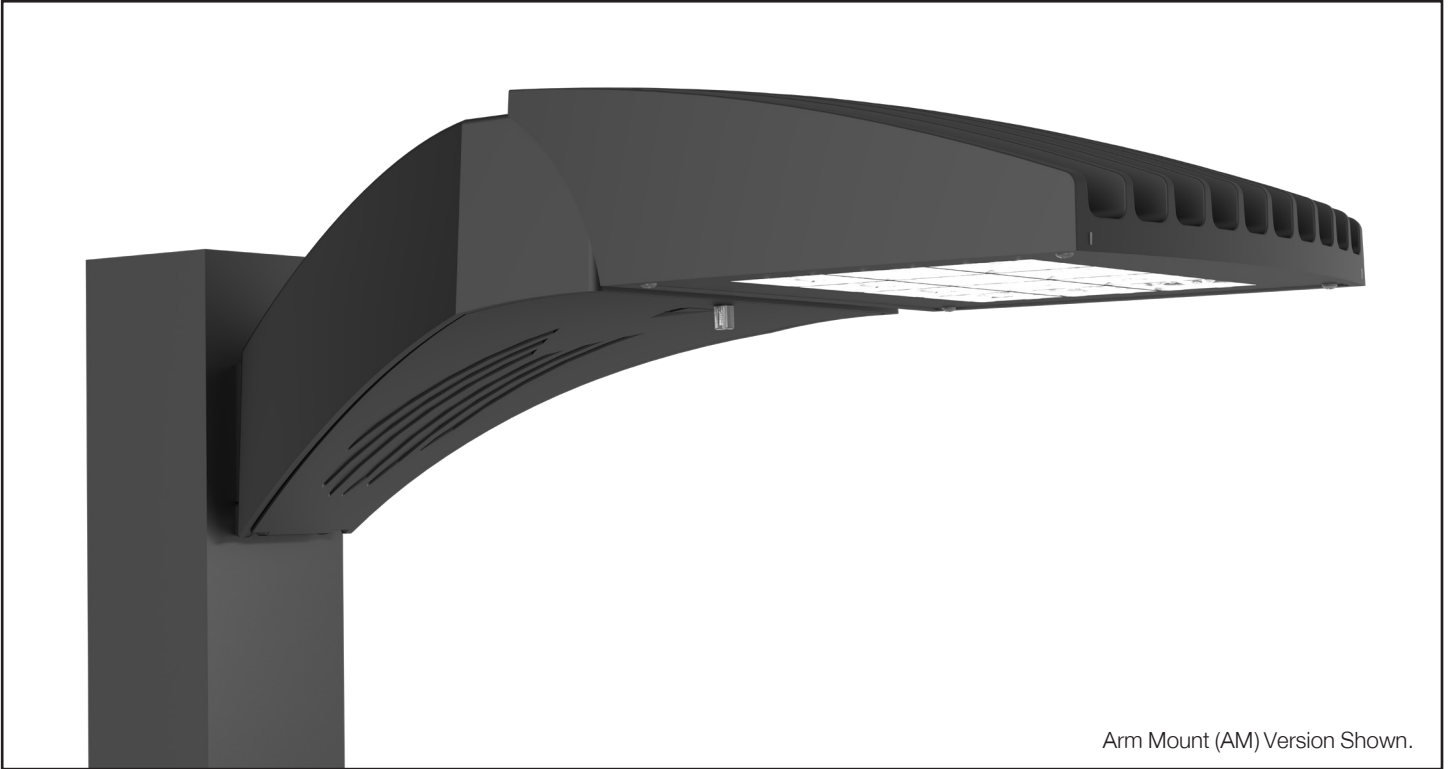


# VSX-II-TS LED Specifications

**Wildlife Certified**

Area - Site - Commercial - Outdoor



Arm Mount (AM) Version Shown.

The VSX-II Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED's performance and the driver's life are maximized by enclosing them in two separate cast aluminum housings. Easy captive screw access for mounting and maintenance.

The LED light assemblies come with 16 to 48 LEDs. Our Turtle Safe and Wildlife Certified LEDs operates at 590nm. Seventeen optical distribution patterns are available.

With integrated controls, the VSX-II ensures optimal lighting coverage while minimizing energy consumption.

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

The VSX-II series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

|               |
|---------------|
| Project Name: |
|---------------|

|                 |
|-----------------|
| Catalog Number: |
|-----------------|

|       |
|-------|
| Type: |
|-------|

|       |
|-------|
| Date: |
|-------|

|           |
|-----------|
| Location: |
|-----------|

The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.



| MODEL                                                          | OPTICS                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                | LEDs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CURRENT                                                                                                                                                                                                                                                                                                                                                                  | WAVELENGTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VSX-II</b>                                                  | <b>T1</b><br>Type 1<br><b>T2</b><br>Type 2<br><b>T3</b><br>Type 3<br><b>T3R</b><br>Type 3 Round<br><b>T3W</b><br>Type 3 Wide<br><b>T3LG</b><br>Type 3 Low Glare<br><b>T4</b><br>Type 4<br><b>T4A</b><br>Type 4<br>Automotive<br><b>T4FT</b><br>Type 4<br>Forward Throw<br><b>T4LG</b><br>Type 4 Low Glare                                                                                                                                                 | <b>T5</b><br>Type 5<br><b>T5W</b><br>Type 5 Wide<br><b>T5WW</b><br>Type 5<br>Extra Wide<br><b>T5LG</b><br>Type 5 Low Glare<br><b>FN</b><br>Flood Narrow<br><b>FM</b><br>Flood Medium<br><b>FW</b><br>Flood Wide                                                                                                | <b>16LD</b><br><br><b>32LD</b><br><br><b>48LD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>3</b><br>350mA<br><b>5</b><br>530mA                                                                                                                                                                                                                                                                                                                                   | <b>TS</b><br>590 nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| VOLTAGE                                                        | MOUNTING                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FINISH                                                                                                                                                                                                                                                                                                         | CONTROL OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SHIELD OPTIONS                                                                                                                                                                                                                                                                                                                                                           | OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UNV</b><br>120-277V<br><b>8</b><br>347V<br><b>5</b><br>480V | <b>AM</b><br>Arm Mount<br><b>SAM</b><br>Straight Arm Mount<br>W/ Terminal Block<br>(New Construction)<br><b>UAM</b><br>Universal Arm Mount<br>W/ Terminal Block<br>(Retrofit)<br><b>MAF</b><br>Mast Arm Fitter<br><b>KM</b><br>Knuckle Mount<br><b>WM</b><br>Wall Mount<br>* Requires BAWP<br><b>AWM</b><br>Adjustable Wall Mount<br><br>*Round Pole Plate<br>Adapters (RPP)<br>are to be ordered<br>separately.<br><br>*BAWP to be<br>ordered separately | <b>BZ</b><br>Bronze<br><b>BK</b><br>Black<br><b>GY</b><br>Grey<br><b>SBK</b><br>Smooth<br>Black<br><b>WH</b><br>White<br><b>SWH</b><br>Smooth<br>White<br><b>GP</b><br>Graphite<br><b>GY</b><br>Grey<br><b>SL</b><br>Silver Metallic<br><b>ZFP</b><br>Zinc-Free<br>Primer Coat<br><b>CC</b><br>Custom<br>Color | <b>PCR-120 PCR-208</b><br><b>PCR-240 PCR-277</b><br><b>PCR-347 PCR-480</b><br>Photocell & Receptacle<br><b>7PINPER</b><br>7 Pin Photo Receptacle<br>w/shorting cap<br>Requires Dimming Driver<br><b>DIM</b><br>0-10v Dimming Driver<br>No Controls<br><b>DTO</b><br>Dim to Off Driver<br><b>D4i</b><br>4Di DALI Driver<br><br><b>WSP6-L2 WSP6-L3 WSP6-L7</b><br>8' Mounting Height 9-20' Mounting Height 21-40' Mounting Height<br><br><b>WSC-8 WSC-20 WSC-40</b><br>8' Mounting Height 9-20' Mounting Height 21-40' Mounting Height<br>*The WSC option will require<br>(1) FSIR 100 remote<br>for programming<br><b>TL7</b><br>7-PIN<br>Twist-lock Wireless Control<br><b>Z10 or Z18</b><br>Zhaga 4 Pin Receptacle<br><b>VWC</b><br>Visionaire<br>Wireless Control | <b>ECLS</b><br>Egg Crate Louver Shield<br><b>ADJLS</b><br>Adjustable Louver<br>Light Shield<br><b>BD</b><br>Barn Door Shield<br><b>CLS</b><br>Backside cutoff shield<br>* Not to be used with KM<br><b>RCLS</b><br>Rightside cutoff shield<br>* Not to be used with KM<br><b>LCLS</b><br>Leftside cutoff shield<br>* Not to be used with KM<br><b>HS</b><br>House shield | <b>RPP-3"</b><br><b>RPP-4"</b><br><b>RPP-5"</b><br>Round Pole<br>Plate Adapter<br><b>BAWP</b><br>Cast Wall Plate<br><b>UMAP</b><br>Universal Mast<br>Arm Fitter<br><b>UPMA-S</b><br>Universal Square<br>Pole Mount<br>Adapter<br><br><b>UPMA-R</b><br>Universal<br>Round Pole<br>Mount Adapter<br><b>ROT-R</b><br>Rotated Optics<br>Right Side<br><b>ROT-L</b><br>Rotated Optics<br>Left Side<br><b>BBG</b><br>Bird Spikes<br><b>BAA</b><br>Buy America(n)<br>Act Compliant<br><b>BABA</b><br>Build America<br>Buy American |

**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 series provides excellent thermal management by mounting the LEDs to the substantial heat sink of the housing. This enables the Luminaire to withstand higher ambient temperatures and driver currents without degrading LED life.

The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The VSX-II series LEDs have been determined to last 100,000+ hours in 25° C environments when driven at 350 mA.

**Optical System**

The highest lumen output LEDs are utilized in the VSX-II series. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.

- Available with 17 IES distribution patterns
- LED Wavelength 590nm

**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 mils thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness.

- Optional Zinc-Free Primer - Recommended within three miles of the ocean
- Finish is guaranteed for five (5) years.

**Electrical Assembly**

The VSX-II LED series is supplied with a choice of 350, 530 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, MAF and UAM

**Warranty**

- Five (5) year Limited Warranty on electrical components.
  - Five (5) year on finish.
- For full warranty information, please visit [visionairelighting.com](http://visionairelighting.com).

**Options**

- Wattstopper Plus
- Wattstopper FSP-211 Motion Sensor/Control
- Dimming Driver
- Dim To Off Driver
- Photocell & Receptacle
- 7 Pin Photo Receptacle
- Zhaga 4 Pin Receptacle
- Photo Receptacle and Shorting Cap
- Visionaire Wireless Controls
  - Enables high end trim
  - Based on Zigbee wireless communication protocol
- Egg Crate Louver Shield
- Adjustable Louver Light Shield
- Barn Door shield
- Cutoff shield
- House shield
- Round pole plate adapter
- Universal Pole Mount Adaptor
- Cast Wall Plate
- Rotated Optics
- Cut-off Louver Shield
- Bird Spikes
- BAA / BABA

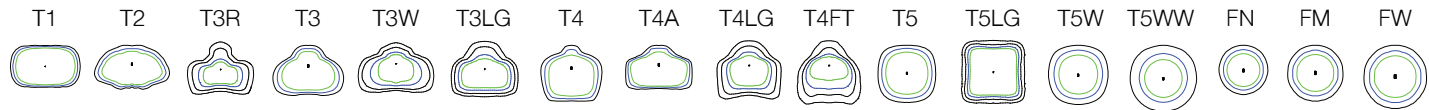
**Listings**

- The VSX-II Series is cUL Listed, suitable for wet locations.
- IP65 Rated Housing
- ANSI Certification
- Powder Coated Tough
- IDA Certification
- Certified Wildlife Lighting



3000K or lower must be selected with a fixed mount for IDA certification.  
Fixed mount must be selected for IDA dark sky certification.

Photometric Optical Summary

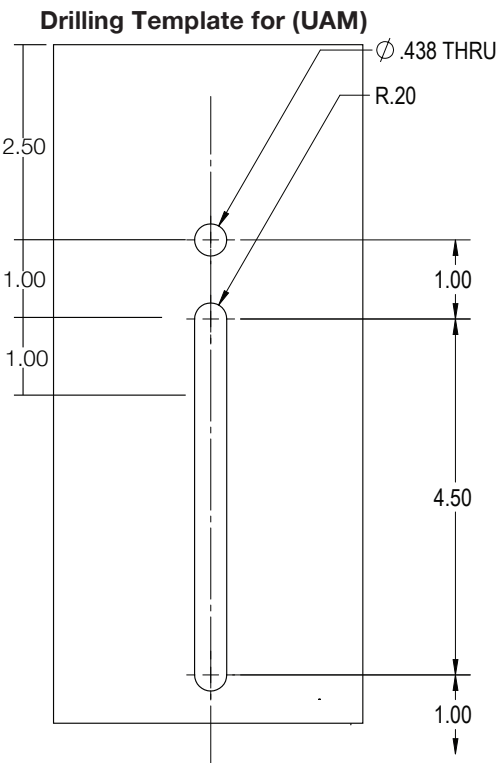
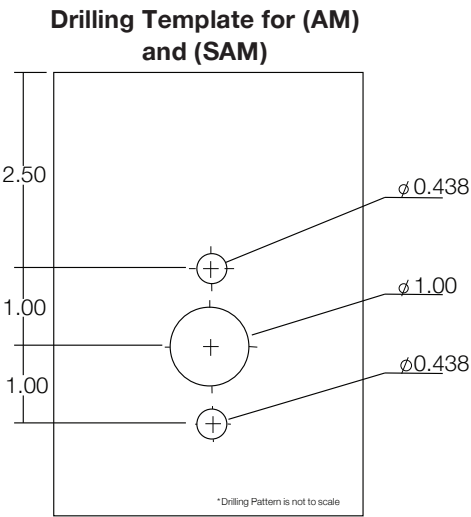


| EPA Data |  |  |  |  |  |  |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          | 0.58                                                                              | .92                                                                               | 1.16                                                                              | 1.45                                                                                | 1.40                                                                                | 1.48                                                                                |

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

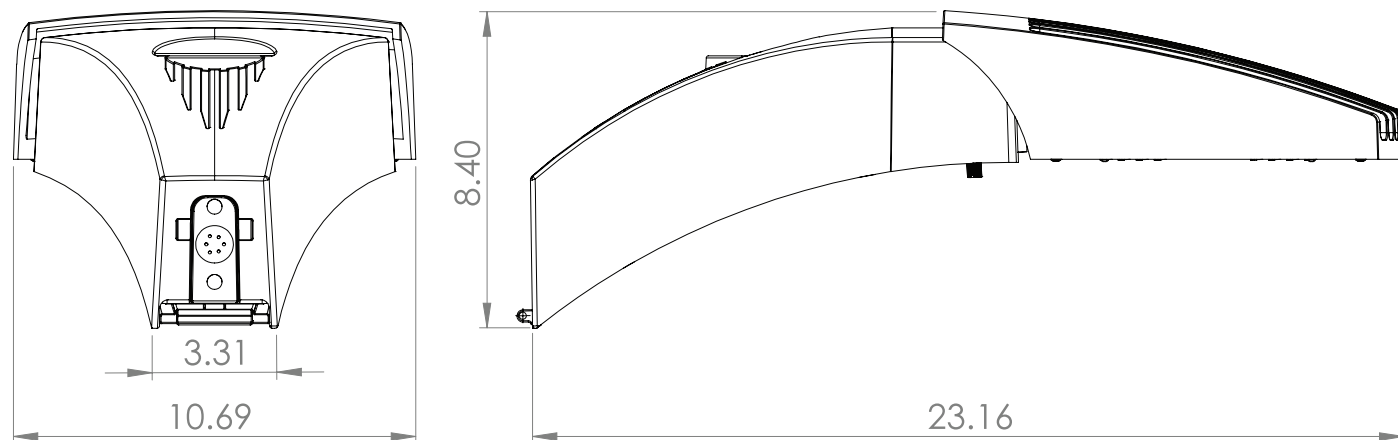
Dimensions

|                 |              |
|-----------------|--------------|
| Width:          | VSX-II 12.5" |
| Depth:          | VSX-II 23"   |
| Height:         | VSX-II 4"    |
| Overall Height: | VSX-II 8"    |
| Weight:         | 25 LBS       |



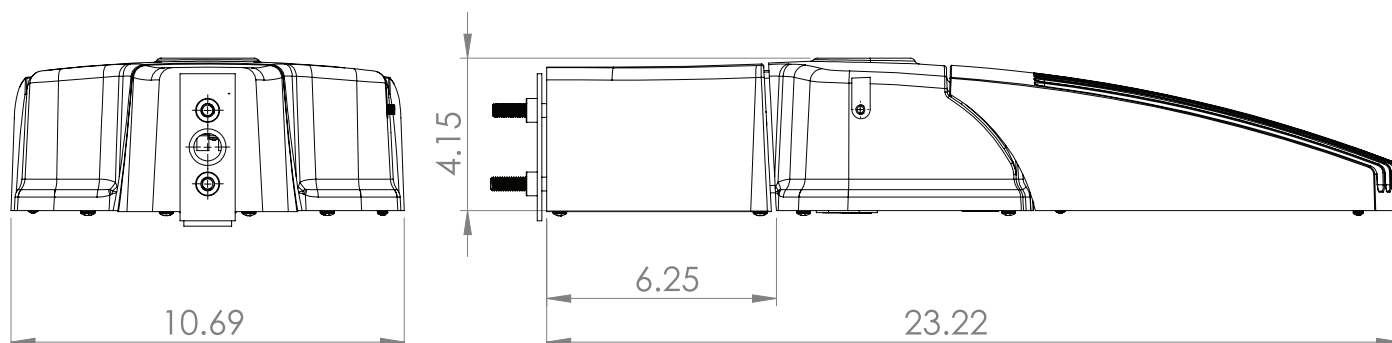
### Arm Mount (AM)

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.



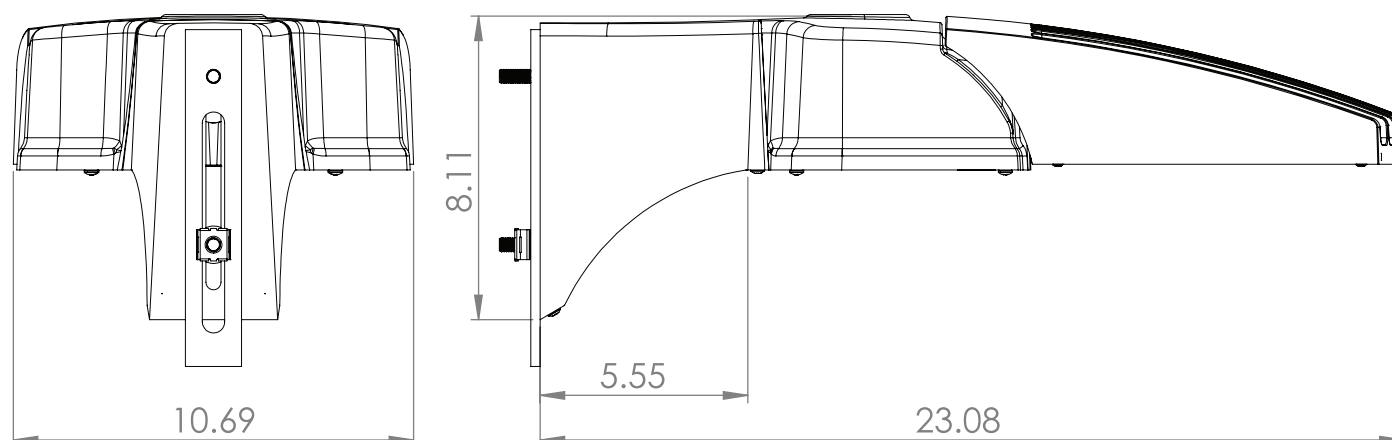
### Straight Arm Mount (SAM)

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.



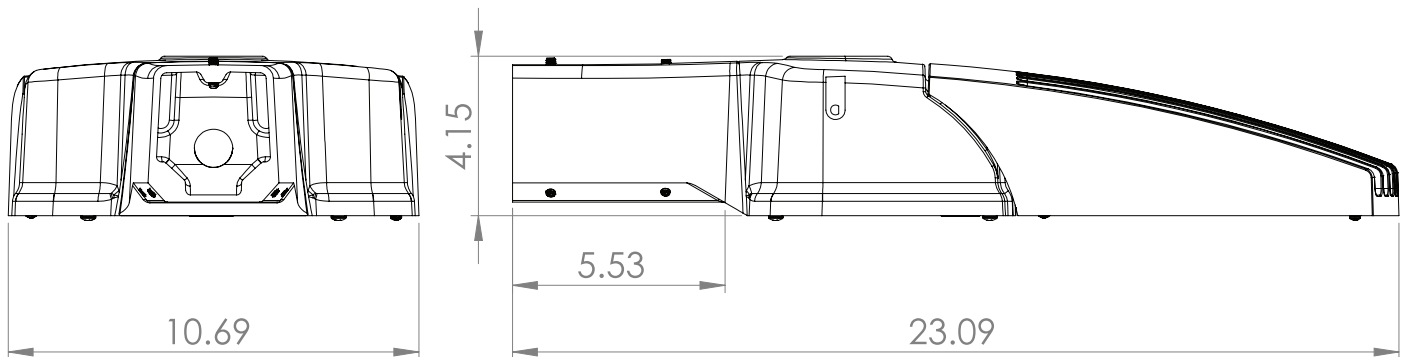
### Universal Arm Mount (UAM)

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



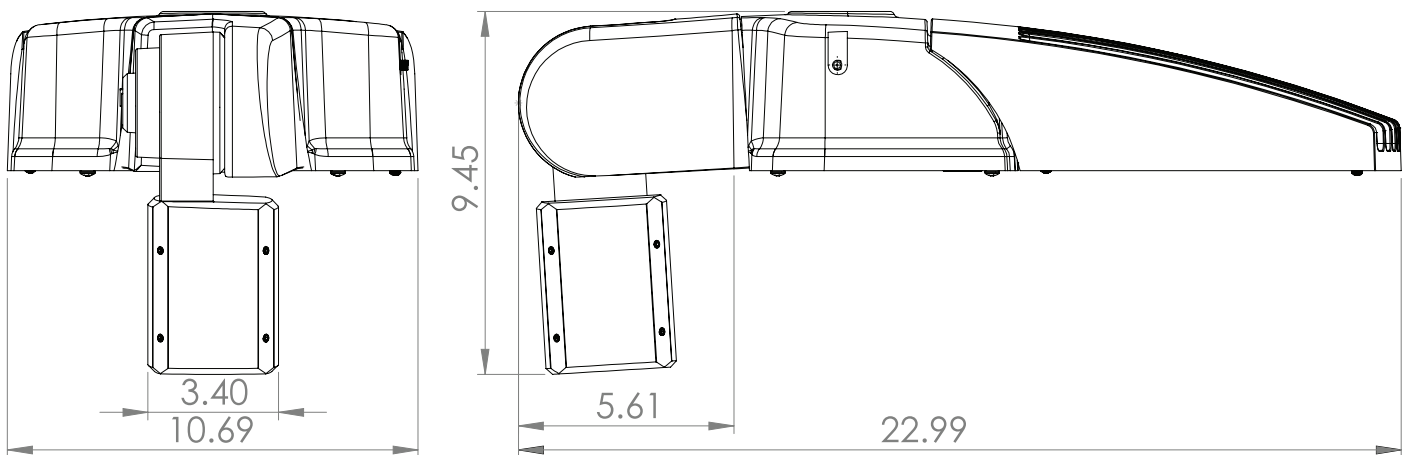
### Mast Arm Fitter (MAF)

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



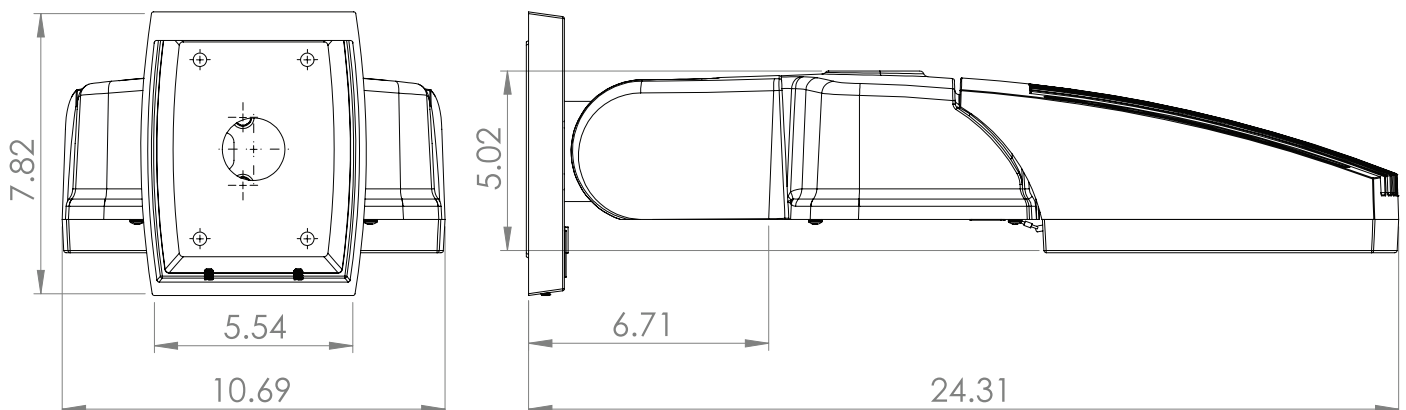
### Knuckle Mount (KM)

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)

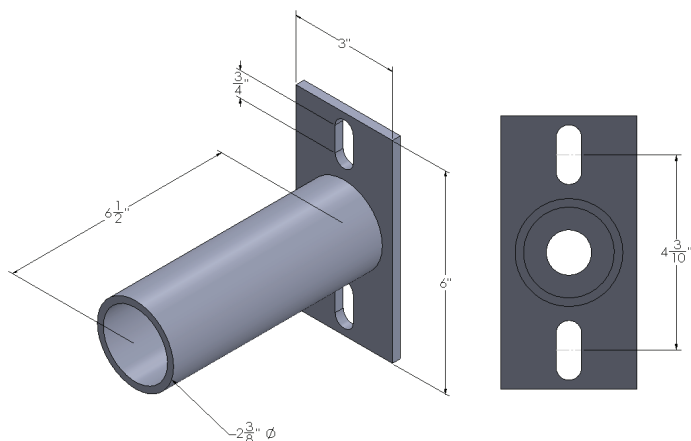
Wall Mount - Adjustable up to 50° in 10° increments.



## 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.



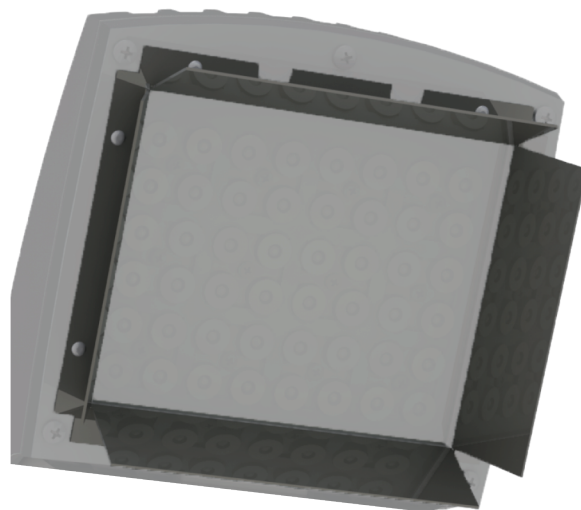
### Egg Crate Light Shield



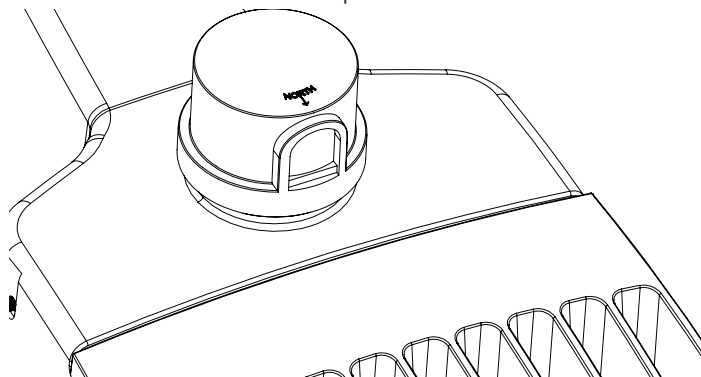
### Adjustable Louver Light Shield



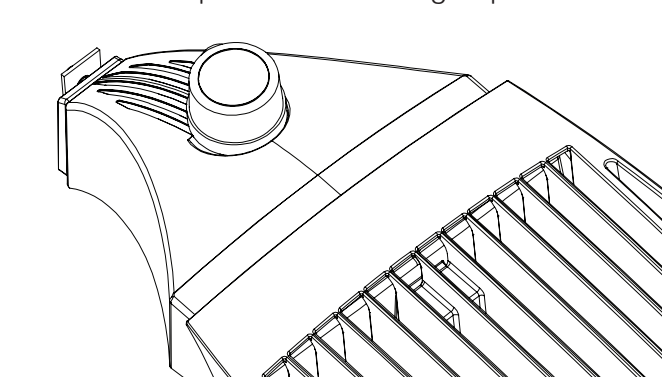
### Barn Door Light Shield



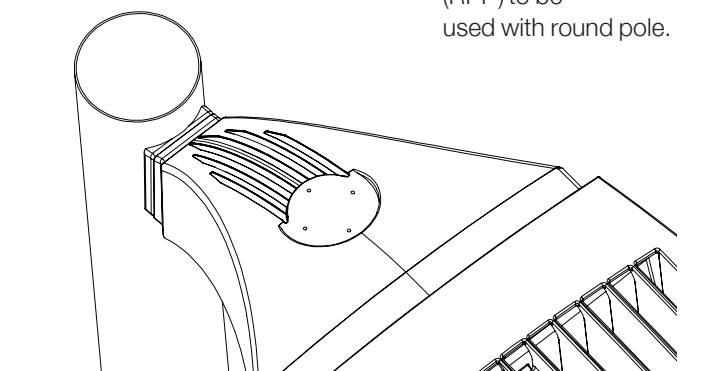
Twist lock Photocell & Receptacle - Dusk to dawn sensor.



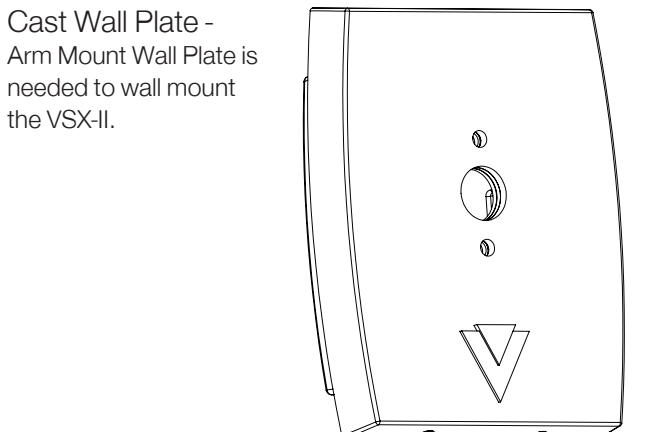
Photocell Receptacle and Shorting Cap



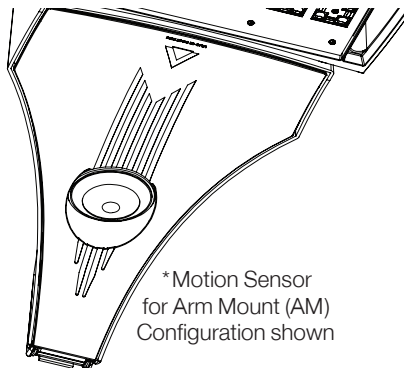
Round Pole Plate Adaptor (RPP) - Round Pole Plate Adaptor (RPP) to be used with round pole.



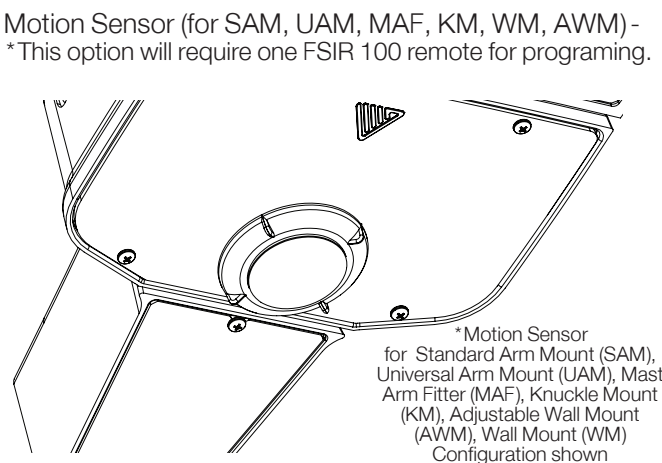
Cast Wall Plate - Arm Mount Wall Plate is needed to wall mount the VSX-II.



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



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



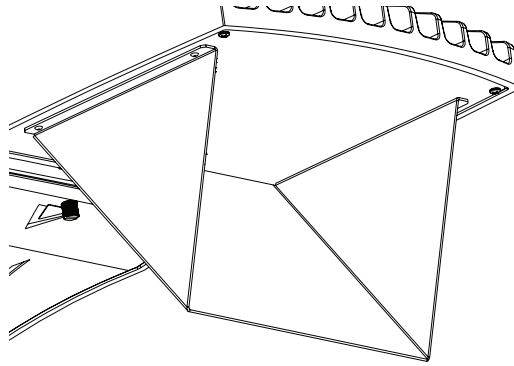
The FSP-211 by Legrand is integrated into the VSX housing and provides multi-level control based on motion and/or daylight contribution.

**Lens Coverage Patterns:**

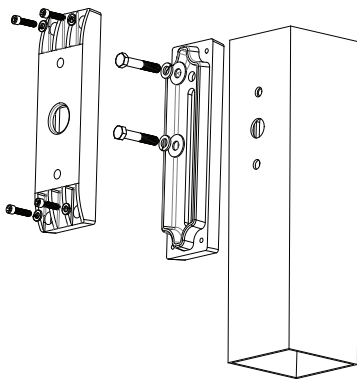
|        |                                                            |
|--------|------------------------------------------------------------|
| WSC-8  | 360° lens, maximum coverage 48'; diameter from 8' height   |
| WSC-20 | 360° lens, maximum coverage 48'; diameter from 20' height  |
| WSC-40 | 360° lens, maximum coverage 100'; diameter from 40' height |

**Motion Sensor Default Settings**

|                    |           |
|--------------------|-----------|
| High Mode          | 10 Volts  |
| Low Mode           | 1 Volts   |
| Time Delay         | 5 Minutes |
| Cut Off            | 1 Hour    |
| Sensitivity        | Maximum   |
| Hold Off Set Point | 4ft       |
| Ramp Up            | Disable   |
| Fade Down          | Disable   |
| Photocell          | Disable   |

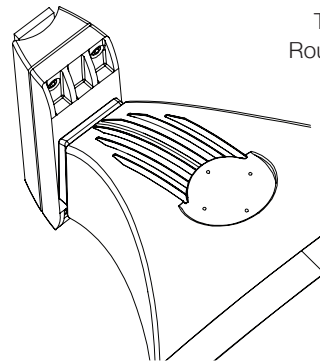


House Shield  
House Shield - Provides  
solid back light cutoff



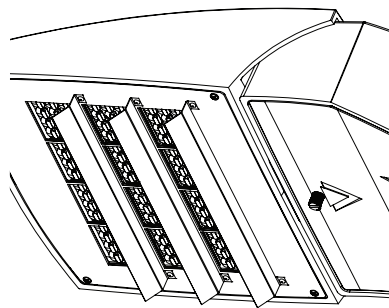
#### UPMA

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 1/2" bolt to bolt maximum.



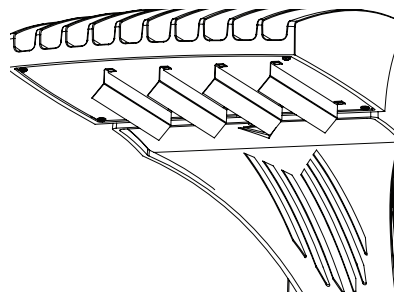
#### UPMA-R

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 1/2" bolt to bolt maximum.



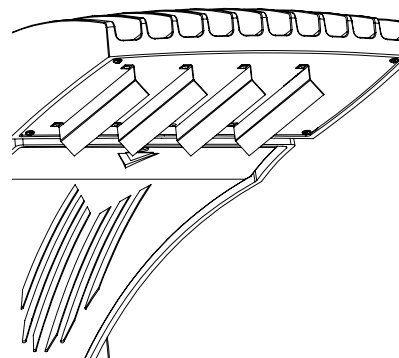
#### CLS

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 will 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 will be focused on the left side of the VSX.  
\*Not to be used with KM

#### Zhaga Socket

Zhaga sockets and controllers use 4-pin contacts that carry different functions, such as voltage, dimming, and auxiliary power.

## WATTSTOPPER PLUS

### FSP-600 Series

The FSP-600 series by Wattstopper PLUS is an integrated luminaire level lighting controller and sensor for indoor/outdoor lighting applications that require networked wireless control. The FSP-600 is designed to integrate directly into exterior, high bay, parking garage, and general site lighting solutions. It is a passive infrared (PIR) sensor and closed loop photosensor.

The FSP-600 series design intends to reduce installer labor time and make on-site start up easy for technicians.

Once commissioned and paired to a Wattstopper PLUS network, the devices can measure both motion and daylight contribution in order to automatically switch or dim lighting. It also provides the ability to communicate to other fixtures in the space without any front-end devices.

The Wattstopper PLUS FSP-600 series is available in a few different options including: internal, external straight nipple, and external drop nipple. Sensor lens options sold separately and should be ordered based on designed mounting height and desired finish.

FSP-621



### FSP-200 Series

The FSP-200 series sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, are rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles. The FSP-200 series is available in two different voltage configurations adding flexibility to your fixture design or project.

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-2x1B ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at a low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.

FSP-211



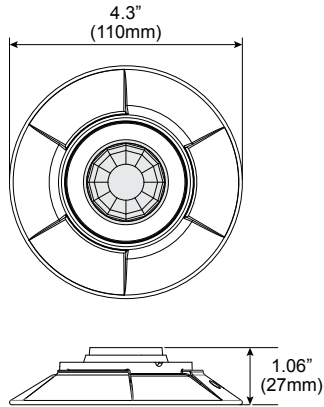
FSP-221



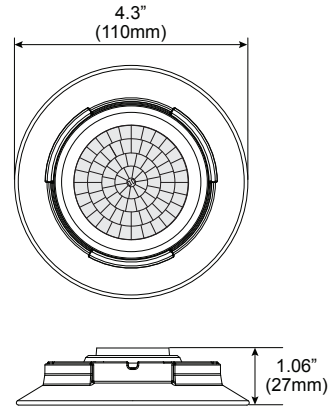
## Lens with Shroud Dimensions

The FSP-Lx-S models include a shroud, which blocks high-angle light coming from the fixture, to improve photocell performance. With the shroud attached, the dimensions for all three lenses are identical

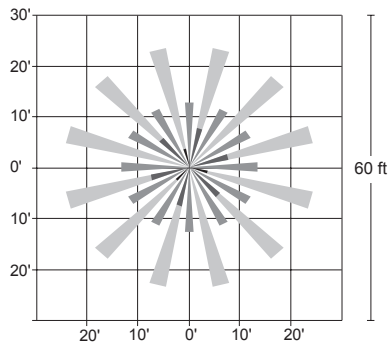
**FSP-L2-S and FSP-L3-S**



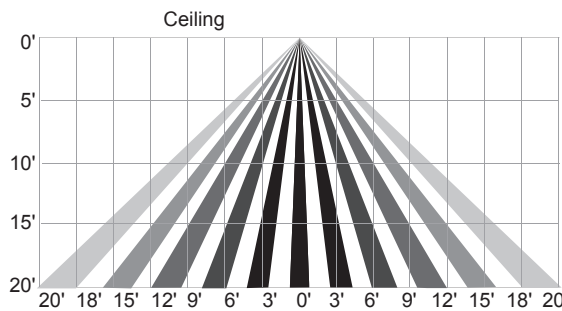
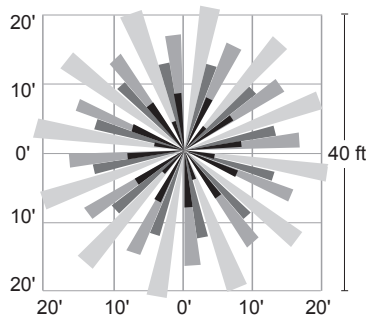
**FSP-L7-S**



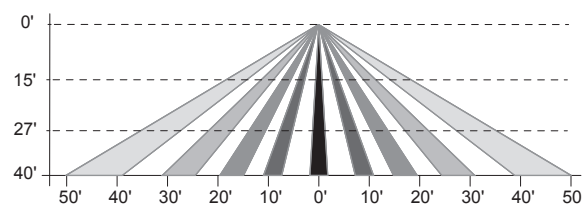
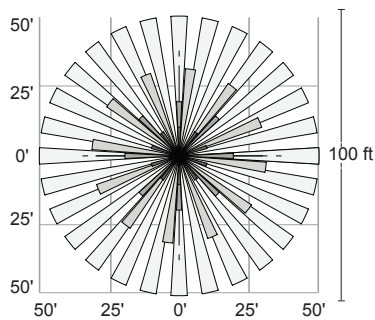
## COVERAGE



**FSP-L2 top and side coverage patterns**



**FSP-L3 top and side coverage patterns**



**FSP-L7 top and side coverage patterns**

| TS AMBER LUMENS |        |              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| MODEL           | # LEDs | Current (mA) | T1   | T2   | T3R  | T3   | T3W  | T3LG | T4   | T4A  | T4LG | T4FT | T5   | T5LG | T5W  | T5WW | FN   | FM   | FW   | WATTS |
| VSX-II          | 16     | 350          | 1242 | 1198 | 1236 | 1220 | 1234 | 1240 | 1219 | 1285 | 1236 | 1255 | 1235 | 1248 | 1187 | 1122 | 1307 | 1297 | 1210 | 13    |
|                 |        | 530          | 1568 | 1512 | 1561 | 1540 | 1558 | 1565 | 1540 | 1623 | 1561 | 1585 | 1560 | 1576 | 1498 | 1417 | 1651 | 1638 | 1528 | 21    |
|                 | 32     | 350          | 2484 | 2395 | 2472 | 2439 | 2468 | 2479 | 2439 | 2571 | 2473 | 2511 | 2471 | 2496 | 2373 | 2244 | 2615 | 2595 | 2421 | 27    |
|                 |        | 530          | 3137 | 3024 | 3122 | 3080 | 3116 | 3130 | 3080 | 3246 | 3122 | 3170 | 3120 | 3152 | 2997 | 2833 | 3302 | 3277 | 3056 | 42    |
|                 | 48     | 350          | 3726 | 3593 | 3708 | 3659 | 3702 | 3719 | 3658 | 3856 | 3709 | 3766 | 3706 | 3744 | 3560 | 3366 | 3922 | 3892 | 3631 | 40    |
|                 |        | 530          | 4705 | 4536 | 4683 | 4620 | 4674 | 4696 | 4619 | 4869 | 4683 | 4756 | 4680 | 4728 | 4495 | 4250 | 4953 | 4915 | 4585 | 63    |

| TS AMBER LUMENS |        |              |    |    |     |    |     |      |    |     |      |      |    |      |     |      |    |    |    |       |
|-----------------|--------|--------------|----|----|-----|----|-----|------|----|-----|------|------|----|------|-----|------|----|----|----|-------|
| MODEL           | # LEDs | Current (mA) | T1 | T2 | T3R | T3 | T3W | T3LG | T4 | T4A | T4LG | T4FT | T5 | T5LG | T5W | T5WW | FN | FM | FW | WATTS |
| VSX-II          | 16     | 350          | 93 | 90 | 93  | 92 | 93  | 93   | 92 | 97  | 93   | 94   | 93 | 94   | 89  | 84   | 98 | 98 | 91 | 13    |
|                 |        | 530          | 74 | 72 | 74  | 73 | 74  | 74   | 73 | 77  | 74   | 75   | 74 | 75   | 71  | 67   | 78 | 78 | 73 | 21    |
|                 | 32     | 350          | 93 | 90 | 93  | 92 | 93  | 93   | 92 | 97  | 93   | 94   | 93 | 94   | 89  | 84   | 98 | 98 | 91 | 27    |
|                 |        | 530          | 74 | 72 | 74  | 73 | 74  | 74   | 73 | 77  | 74   | 75   | 74 | 75   | 71  | 67   | 78 | 78 | 73 | 42    |
|                 | 48     | 350          | 93 | 90 | 93  | 92 | 93  | 93   | 92 | 97  | 93   | 94   | 93 | 94   | 89  | 84   | 98 | 98 | 91 | 40    |
|                 |        | 530          | 74 | 72 | 74  | 73 | 74  | 74   | 73 | 77  | 74   | 75   | 74 | 75   | 71  | 67   | 78 | 78 | 73 | 63    |

| BUG TS |        |              |    |   |    |   |     |   |    |   |     |   |      |   |    |   |     |   |      |   |      |   |    |   |      |   |     |   |      |   |    |   |    |   |    |   |   |   |   |   |   |
|--------|--------|--------------|----|---|----|---|-----|---|----|---|-----|---|------|---|----|---|-----|---|------|---|------|---|----|---|------|---|-----|---|------|---|----|---|----|---|----|---|---|---|---|---|---|
| MODEL  | # LEDs | Current (mA) | T1 |   | T2 |   | T3R |   | T3 |   | T3W |   | T3LG |   | T4 |   | T4A |   | T4LG |   | T4FT |   | T5 |   | T5LG |   | T5W |   | T5WW |   | FN |   | FM |   | FW |   |   |   |   |   |   |
|        |        |              | 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 | B  | U | G  | B | U | G |   |   |   |
| VSX-II | 16     | 350          | 1  | 0 | 1  | 0 | 0   | 1 | 1  | 0 | 1   | 0 | 0    | 1 | 0  | 0 | 1   | 0 | 0    | 0 | 0    | 1 | 0  | 0 | 1    | 0 | 0   | 1 | 0    | 0 | 1  | 0 | 0  | 1 | 0  | 0 | 1 | 0 | 0 |   |   |
|        |        | 530          | 1  | 0 | 1  | 1 | 0   | 1 | 1  | 0 | 1   | 0 | 0    | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 0    | 0 | 1  | 1 | 0    | 0 | 1   | 0 | 1    | 1 | 0  | 0 | 1  | 2 | 0  | 0 | 1 | 0 | 0 |   |   |
|        | 32     | 350          | 2  | 0 | 2  | 1 | 0   | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 0    | 1 | 1  | 0 | 1    | 1 | 0   | 1 | 2    | 0 | 1  | 2 | 0  | 1 | 2  | 0 | 1 | 1 | 0 | 0 |   |
|        |        | 530          | 2  | 0 | 2  | 1 | 0   | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 1    | 0 | 1  | 2 | 0    | 1 | 2   | 0 | 1    | 2 | 0  | 1 | 3  | 0 | 1  | 3 | 0 | 1 | 2 | 0 | 0 |
|        | 48     | 350          | 2  | 0 | 2  | 1 | 0   | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 1    | 0 | 1  | 2 | 0    | 1 | 2   | 0 | 1    | 2 | 0  | 1 | 3  | 0 | 1  | 3 | 0 | 1 | 2 | 0 | 0 |
|        |        | 530          | 3  | 0 | 3  | 1 | 0   | 2 | 1  | 0 | 2   | 1 | 0    | 1 | 1  | 0 | 1   | 1 | 0    | 1 | 1    | 0 | 1  | 2 | 0    | 1 | 2   | 0 | 1    | 3 | 0  | 1 | 3  | 0 | 1  | 3 | 0 | 1 | 2 | 0 | 1 |

| VSX-II - ELECTRICAL LOAD (A)      |              |      |      |      |      |      |      |
|-----------------------------------|--------------|------|------|------|------|------|------|
| Ordering Nomenclature             | System Watts | 120  | 208  | 240  | 277  | 347  | 480  |
| VSX-II-16LD-3                     | 13           | 0.11 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 |
| VSX-II-16LD-5                     | 21           | 0.18 | 0.10 | 0.09 | 0.08 | 0.06 | 0.04 |
| VSX-II-32LD-3                     | 27           | 0.23 | 0.13 | 0.11 | 0.10 | 0.08 | 0.06 |
| VSX-II-32LD-5                     | 42           | 0.35 | 0.20 | 0.18 | 0.15 | 0.12 | 0.09 |
| VSX-II-48LD-3                     | 40           | 0.33 | 0.19 | 0.17 | 0.14 | 0.12 | 0.08 |
| VSX-II-48LD-5                     | 63           | 0.53 | 0.30 | 0.26 | 0.23 | 0.18 | 0.13 |
| ELECTRICAL LOAD DATA IS ESTIMATED |              |      |      |      |      |      |      |

