

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



## FEATURES

- Complement architecture with the low-profile, contoured design
- Shorten installation time with the hinged two-piece enclosure
- Engineered to sustain greater wind loads than traditional fixtures
- Six mounting configurations and four distributions provide versatility
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING** – Heavy-duty, two-piece die-cast aluminum clamshell enclosure, rated IP65. Removable lower enclosure and electrical compartment, secured with locking hinge mechanism.
- THERMAL MANAGEMENT** – Integral die-cast aluminum heatsink, concealed venting, and LED module seamlessly provide passive thermal management. Rated -30°C to 40°C (L83 configuration >50) ambient operating temperature.
- OPTICAL SYSTEM** – Precision, injection-molded, refractive acrylic lenses produce standard IES distributions. Factory-set orientations in 90° increments. Tempered glass standard.
- LED MODULE** – Circuit board design incorporates TVS diodes to protect against ESD events. ANSI 3000K, 4000K, and 5000K CCT, minimum 70 CRI LEDs.
- LED DRIVER** – 0-10V dimming driver standard.
- ELECTRICAL** – 120-277, 347, and 480 VAC input range; 50-60Hz; power factor >.90; THD <20% at full load. FCC Class A compliant. 10kA/10kV surge protection standard. Quick-disconnect wiring provided. L70 >60,000 hours per IES TM-21.
- FINISH** – Super durable polyester powder coat bonded to phosphate-free, multi-stage pretreated metal, meets and exceeds AAMA 2604 specifications for outdoor durability.
- MOUNTING** – Direct mounts to minimum 4" square pole. Optional round pole adapter, wall mount or post top tenon mount accessories available.
- LISTINGS** –
  - cCSAus listed to STD22.2 No 250.0 certified as luminaire Suitable for wet locations.
  - IDA Dark-Sky approved.
  - IP65 rated.
  - Meets the American National Standard for Roadway Lighting Equipment—Luminaire Vibration (ANSI C136.31-2001), direct mount to square pole applications only.
  - RoHS compliant.
  - Title 24 compliant with OCCWS FSP-311 and OCCWS FSP-211 options.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [www.buy-american.com](http://www.buy-american.com)
- WARRANTY** – 5-year limited warranty, see [www.buy-american.com/warranty](http://www.buy-american.com/warranty)

ORDERING EXAMPLE: VA1 - L220/750 - T5 - F - S - DBZ - OPTIONS - DIM - UNV

## ORDERING INFO

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	DISTRIBUTION	ORIENTATION
VA1	L83 8,300lm	7 70	30 3000K	T2 Type II	F Forward
	L110 11,000lm	8 80	40 4000K	T3 Type III	L Left
	L160 16,000lm		50 5000K	T4 Type IV	R Right
	L220 22,000lm			T5 Type V	

## MOUNTING CONFIGURATION

- S Single
- D90 Double @ 90°
- D180 Double @ 180°
- T90 Triple @ 90°
- T120 Triple @ 120° <sup>[3]</sup>
- Q90 Quad @ 90°

## FINISH OPTIONS <sup>[2]</sup>

- BLK Black (RAL #9004)
- DBZ Dark bronze
- DBR Medium bronze
- GRAY Standard gray
- GRN Green (RAL #6005)
- SLV Satin aluminum (RAL #9006)
- WHT White (RAL #9003)

## OPTIONS <sup>[4]</sup>

See page 4 for ADDITIONAL CONTROL OPTIONS.

- SF Single fuse <sup>[5]</sup>
- DF Double fuse <sup>[6]</sup>
- PCR NEMA locking photo control receptacle <sup>[7]</sup>
- PCR5 5 Position (3 power, 2 dimming/signal) locking photo control receptacle per NEMA C136.41 <sup>[8]</sup>
- PCR7 7 Position (3 power, 4 dimming/signal) locking photo control receptacle per NEMA C136.41 <sup>[9]</sup>
- RSD\_\_\_ Round straight pole mount adapter. <sup>[10]</sup>  
Example: 3.5" Pole top diameter = RSD350
- (L\_\_\_) Additional lower lumen packages available. <sup>[11]</sup>  
Example: 12,000 nominal lumens = VA1-L160/740-T5-F-S-(L120).
- VATMR\_\_\_ Pole top tenon mount and round pole adaptor <sup>[12]</sup>
- VAWM\_\_\_ Wall mount accessory <sup>[13]</sup>
- BG\_\_\_ Roosting prevention spikes <sup>[14]</sup>

## DRIVER

DIM	VOLTAGE
Dimming driver prewired for 0-10V low voltage applications	120 120V
DALI dimming driver	208 208V
DIM/NDP___ Programmable driver with nighttime dimming profile. <sup>[15]</sup> Example: DIM/NDP425/64836	240 240V
	277 277V
	UNV 120-277V
	347 347V
	480 480V

## DRIVER OPTIONS:

- \_\_\_/CLO Constant lumen output. Suffix, used in conjunction with programmable drivers above. Example: DIM/DALI/CLO <sup>[16]</sup>

## NOTES

- Lumen output based on 70 CRI/4000K CCT and T5 distribution. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- See page 4 for FINISH OPTIONS.
- Round pole only.
- See page 3 for OPTION DETAILS.
- 120V, 277V, or 347V only. Must specify voltage.
- 208V, 240V, or 480V only. Must specify voltage.
- Photocell by others. Shipped with shorting cap.
- Photocell by others.
- Photocell by others.

- Specify pole top diameter, minimum 3.5" O.D. Do not specify when using VATMR tenon mount accessory.
- Specify in increments of 1,000 nominal lumens. Option must be specified with next higher lumen package.
- Must specify tenon size, mounting configuration and finish. See page 3 for ordering info.
- Must specify finish. See page 3 for ordering info.
- Must specify material. See page 3 for ordering info.
- Specify dimming hours, lumen decrease, and installation location zip code using NDP table on page 3.
- See page 3 for CLO LUMEN DERATING CHART.



## FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	BUG RATING
L83	T2	8900	67	133	B1-U0-G1
	T3	8648		129	B2-U0-G2
	T4	8466		126	B1-U0-G1
	T5	8946		134	B3-U0-G2
L110	T2	11660	88	133	B2-U0-G2
	T3	11329		129	B3-U0-G3
	T4	11091		126	B2-U0-G2
	T5	11720		133	B3-U0-G2
L160	T2	17175	131	131	B2-U0-G2
	T3	16688		127	B3-U0-G3
	T4	16337		125	B3-U0-G3
	T5	17263		132	B4-U0-G2
L220	T2	23173	182	127	B3-U0-G3
	T3	22515		124	B3-U0-G3
	T4	22042		121	B3-U0-G3
	T5	23291		128	B4-U0-G2

### LUMEN MAINTENANCE <sup>[1]</sup>

AMBIENT TEMPERATURE	LUMEN PACKAGE	REPORTED L70 HOURS (TM-21)
40° C	L83	>60,000
	L110/L160	
	L220	
50° C	L83 <sup>[2]</sup>	>60,000
	L110/L160 <sup>[2]</sup>	
	L220	

<sup>1</sup> Predicted L70 hours calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.

<sup>2</sup> 347V and 480V only.

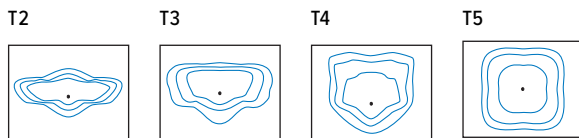
Photometrics tested in accordance with IESNA LM-79. Results based on 70 CRI/4000K CCT, and 25°C ambient temperature. Actual performance may vary +/-5%.

Use multiplier table to calculate additional options.

### MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
70 CRI	3000K	0.95
	4000K	1.00
	5000K	1.03
80 CRI	3000K	0.86
	4000K	0.91
	5000K	0.94

## DISTRIBUTION

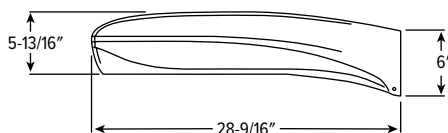


## MODULE VIEWS

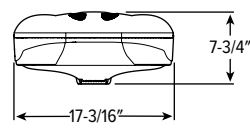


## CROSS SECTIONS

SIDE VIEW EPA: 1.21/Weight: 39 lbs



FRONT VIEW



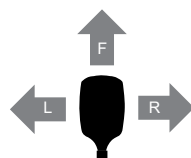
## MOUNTING DETAILS

### MOUNTING CONFIGURATION

<p><b>S</b> Single EPA: 1.21 Weight: 39 lbs.</p>	<p><b>D90</b> Double 90° EPA: 1.64 Weight: 78 lbs.</p>
<p><b>D180</b> Double 180° EPA: 2.42 Weight: 78 lbs.</p>	<p><b>T90</b> Triple 90° EPA: 2.53 Weight: 120 lbs.</p>
<p><b>T120</b> Triple 120° EPA: 2.28 Weight: 120 lbs. (Round pole only)</p>	<p><b>Q90</b> Quad 90° EPA: 2.53 Weight: 156 lbs.</p>

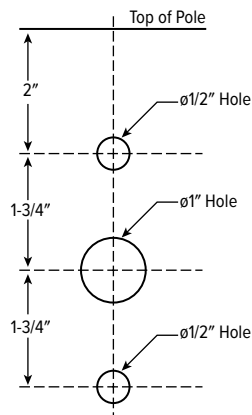
### ORIENTATION

Factory-set optics are specified in 90° increments.



**TOP VIEW**  
F Forward  
L Left  
R Right

### POLE DRILLING DETAIL



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

Information contained herein is subject to change without notice.

REV.06/12/25.JL

Area Lights  
Page 2 of 5

## OPTION DETAILS

RSD\_\_



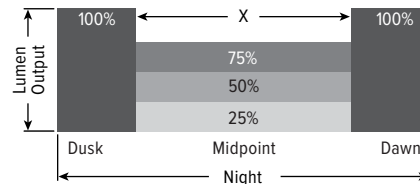
EPA: 0.03  
Weight: 1 Lb.

PCR



Shorting cap not shown.

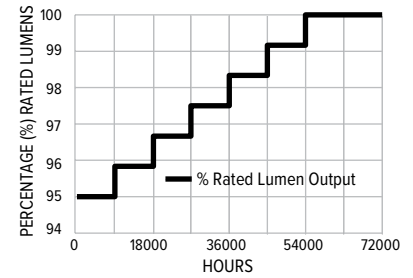
NDP



EXAMPLE: DIM/NDP425/64836			
PREFIX	DIMMING HOURS (X)	LUMEN DECREASE	5-DIGIT ZIP CODE
DIM/NDP	4 4 hours	25 25% dimming	Zip code of installation location required
	6 6 hours	50 50% dimming	
	8 8 hours	75 75% dimming	
DIM/NDPC	Custom dimming profile, consult factory		

- Reduce energy consumption by using a variety of preset or custom nighttime dimming profiles requiring no internal clock, additional wiring, or controls.
- Photocell recommended to achieve optimal dimming profiles and realize maximum energy savings.

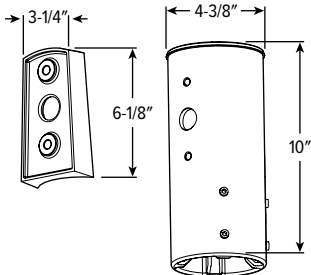
CLO LUMEN DERATING CHART



Deliver constant lumens throughout the life of the product using the constant lumen output (CLO) option.

VATM EPA: .33/Weight: 6 lbs.

EXAMPLE: VATMR-TM238-Q90-DBR				
SERIES	STYLE	TENON SIZE	MOUNTING CONFIGURATION	FINISH
VATM	R Round	<b>TM238</b> 2-3/8" x 4" <b>TM278</b> 2-7/8" x 4" <b>TM3</b> 3" x 4"	<b>S</b> Single <b>D90</b> Double @ 90° <b>D180</b> Double @ 180° <b>T90</b> Triple @ 90° <b>T120</b> Triple @ 120° (round pole only) <b>Q90</b> Quad @ 90°	<b>BLK</b> Black (RAL #9004) <b>DBZ</b> Dark bronze <b>DBR</b> Medium bronze <b>GRAY</b> Standard gray <b>GRN</b> Green (RAL #6005) <b>SLV</b> Satin aluminum (RAL #9006) <b>WHT</b> White (RAL #9003)

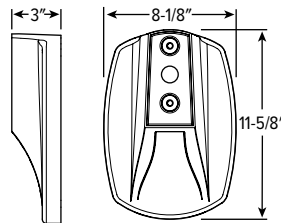


- CONSTRUCTION**— Round die-cast aluminum. Fits 2-3/8" to 3" pole top tenon, must specify (minimum 4" tenon height required). Accommodates up to four luminaires. Includes round pole adapter(s).
- LUMINAIRE MOUNTING**—The luminaire mounts using two 3/8"-16 concealed bolts secured to mounting plate.
- POLE CAP**— Durable glass-filled plastic pole cap.
- FINISH OPTIONS**— Super durable polyester powder coat meets and exceeds AAMA 2604 specifications for outdoor durability.

"S" Mounting Configuration Shown  
Round pole mount adapter(s) included. Quantity determined by mounting configuration.

VAWM EPA: .22/Weight: 5 lbs.

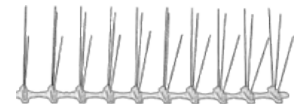
EXAMPLE: VAWM-DBR	
SERIES	FINISH
VAWM	<b>BLK</b> Black (RAL #9004)
	<b>DBZ</b> Dark bronze
	<b>DBR</b> Medium bronze
	<b>GRAY</b> Standard gray
	<b>GRN</b> Green (RAL #6005)
	<b>SLV</b> Satin aluminum (RAL #9006)
	<b>WHT</b> White (RAL #9003)






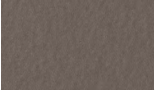
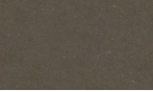
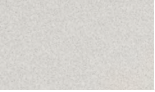
- CONSTRUCTION** — Die-cast aluminum.
- LUMINAIRE MOUNTING** — Luminaire mounts using two 3/8"-16 concealed bolts secured to mounting plate. Must be anchored to appropriate wall construction.
- FINISH OPTIONS** — Super durable polyester powder coat meets and exceeds AAMA 2604 specifications for outdoor durability.

BG

EXAMPLE: BGSS	
SERIES	MATERIALS
BG	<b>P</b> 2' plastic
	<b>SS</b> Premium 2' stainless steel



FINISH OPTIONS

WHITE	BLACK	GREEN	MEDIUM BRONZE	DARK BRONZE	SATIN ALUMINUM GRAY
					

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

SENSOR PLACEMENT DETAILS



ADDITIONAL CONTROL OPTIONS

IP66 rated for wet locations.

**OCCWS-FSP-311-L\_-120/277** Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.

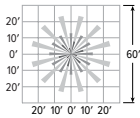
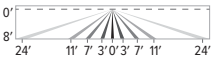
**OCCWS-FSP-211-L\_-120/277** Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.

**FSIR-100** Remote controller for 211 sensor. Please specify quantity required per project. Ordered and shipped separately.

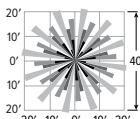
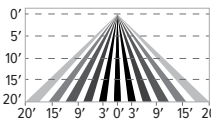
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS

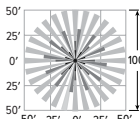
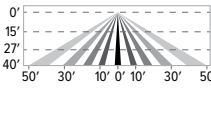
L2 8' height: ø48' coverage



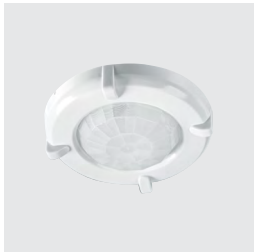
L3 20' height: ø40' coverage



L7 40' height: ø100' coverage



SENSOR DETAIL

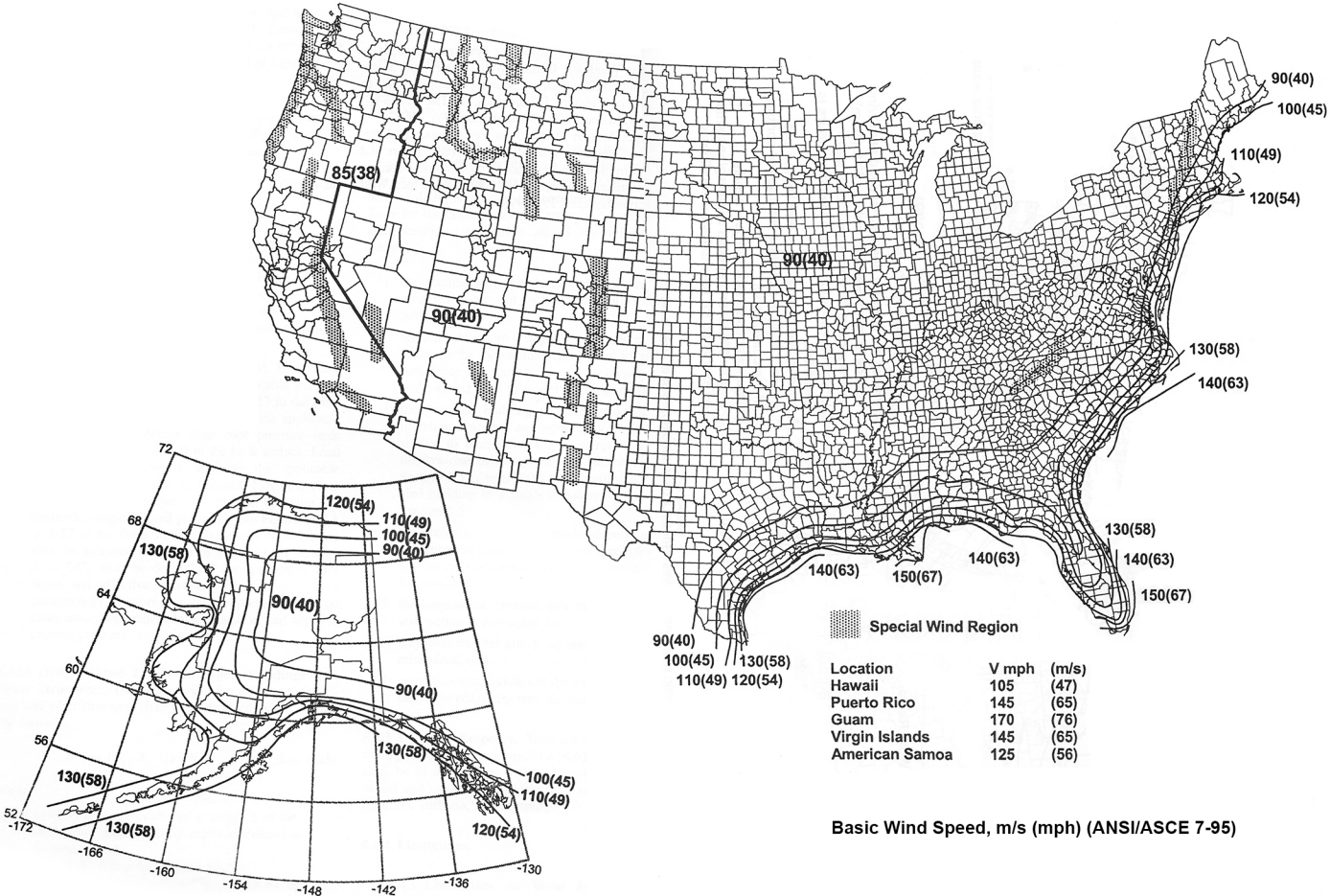


Dimensions  
L2/L3: ø2-3/8" | L7: ø3-1/4"

SEE NEXT PAGE FOR WIND MAP



WIND MAP



The Effective Projected Area (EPA) standards shown in the Load and Dimensional Data Tables on the specification sheets are designed to withstand dead loads and theoretical dynamic loads developed by variable wind speeds, as charted, with an appropriate wind gust factor under the following conditions:

- Values are nominal design 3-second gust wind speeds in miles per hour (m/s) at 33 ft (10 m) above ground for Exposure C category.

- Linear Interpolation between wind contours is permitted.
- Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
- Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
- This map is intended as a general guide. Check your local area for unique wind conditions.

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