

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

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

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

## FEATURES

- Complement architecture with the low-profile, contoured design
- Shorten installation time with the hinged two-piece enclosure
- 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-L option.
  - Complies with the Buy American Act and other federal regulations. Request certification at [hew.com/baa](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.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	70	30 3000K	T2 Type II	F Forward
	L110 11,000lm		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>[2]</sup>
- Q90 Quad @ 90°

### FINISH OPTIONS

- 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>[3]</sup>

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

### DRIVER

DRIVER	VOLTAGE
DIM Dimming driver prewired for 0-10V low voltage applications	120 120V 208 208V
DALI DALI dimming driver	240 240V
DIM/NDP Programmable driver with nighttime dimming profile <sup>[11]</sup>	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

## NOTES

- Lumen output based on 5000 CCT and T5 distribution. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see options.
- Round pole only.
- See page 3 for OPTION DETAILS. See page 4 for FINISH OPTIONS. See page 4 for ADDITIONAL CONTROL OPTIONS.
- 120V, 277V, or 347V only. Must specify voltage.
- 208V, 240V, or 480V only. Must specify voltage.
- Photocell by others.

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- 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.
- Specify dimming hours, lumen decrease, and installation location zip code using NDP table on page 3.



## FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	BUG RATING
L83	T2	8308	82	101	B1-U0-G1
	T3	7959		97	B2-U0-G2
	T4	7878		96	B1-U0-G2
	T5	8343		102	B3-U0-G1
L110	T2	11043	110	100	B2-U0-G2
	T3	10794		98	B3-U0-G3
	T4	10648		97	B2-U0-G2
	T5	11225		102	B3-U0-G2
L160	T2	16337	161	101	B2-U1-G2
	T3	16002		99	B3-U0-G3
	T4	15234		95	B3-U0-G3
	T5	16248		101	B4-U0-G2
L220	T2	21889	213	103	B3-U0-G3
	T3	21264		100	B3-U0-G3
	T4	21023		99	B3-U0-G3
	T5	22010		103	B4-U0-G2

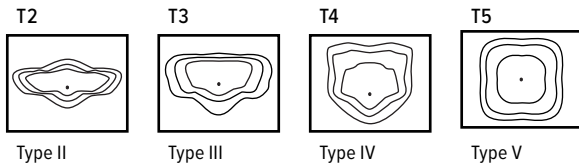
## LUMEN MAINTENANCE

AMBIENT TEMPERATURE	LUMEN PACKAGE	REPORTED L70 HOURS (TM-21)
40° C	L83	>60,000
	L110/L160	
	L220	
50° C	L83 <sup>1</sup>	>60,000
	L110/L160 <sup>1</sup>	
	L220	

- Predicted lumen maintenance calculated from LED manufacturer IES LM-80 data and In situ temperature measurement.
- Predicted L70 hours calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.
- <sup>1</sup> 347V and 480V only.

- Photometrics tested in accordance with IESNA LM-79. Results shown are at 25°C ambient temperature.
- Flux Multipliers: 3000K CCT: 0.892; 4000K CCT: 0.972
- Results based on 5000K CCT. Actual lumens may vary +/-5%

## DISTRIBUTION



## MODULE VIEWS

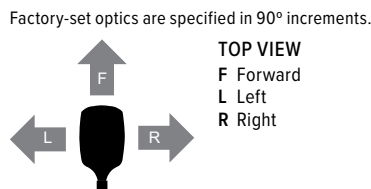


## MOUNTING DETAILS

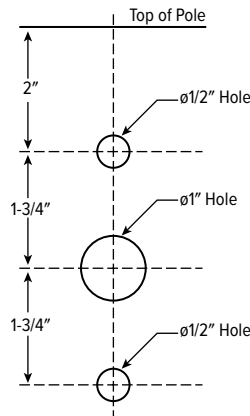
### MOUNTING CONFIGURATION

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

### ORIENTATION

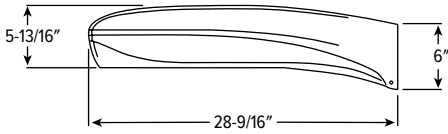


### POLE DRILLING DETAIL

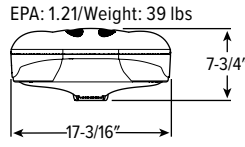


## CROSS SECTIONS

### SIDE VIEW



### FRONT VIEW



## OPTION DETAILS

### RSD\_\_



Round pole mount adapter, specify pole top diameter, minimum 3.5" O.D.

Example: 3.5" Pole top diameter = RSD350  
EPA: 0.03/Weight: 1 Lb.

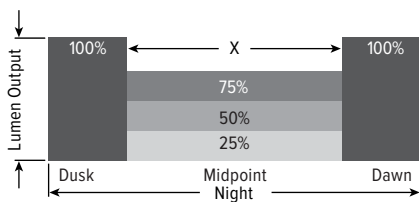
**Note:** Do not specify when using VATMR accessory.

### PCR



NEMA locking receptacle (photo cell by others), shipped with shorting cap (not shown).

### NDP

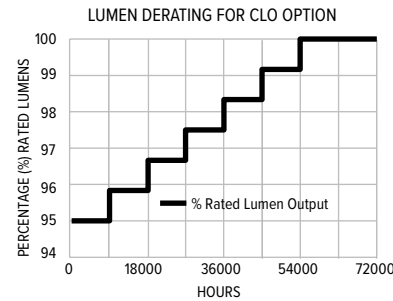


EXAMPLE: DIM/NDP425/64836			
PREFIX	DIMMING HOURS (X)	LUMEN DECREASE	5-DIGIT ZIP CODE <sup>1</sup>
DIM/NDP	4 4 hours	25 25% dimming	00000
	6 6 hours	50 50% dimming	
	8 8 hours	75 75% dimming	
DIM/NDPC	Custom dimming profile, consult factory		

- 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.

<sup>1</sup> Zip code of installation location required

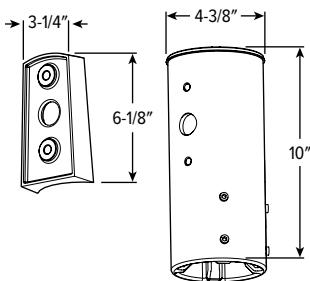
### CLO



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

## VATM – VOLTAIRE POLE TOP TENON MOUNT & ROUND POLE ADAPTER

EXAMPLE: VATM-R-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>BLK</b> Black (RAL #9004)
			<b>D90</b> Double @ 90°	<b>DBZ</b> Dark bronze
			<b>D180</b> Double @ 180°	<b>DBR</b> Medium bronze
			<b>T90</b> Triple @ 90°	<b>GRAY</b> Standard gray
			<b>T120</b> Triple @ 120° (round pole only)	<b>GRN</b> Green (RAL #6005)
<b>Q90</b> Quad @ 90°	<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

EPA: .33/Weight: 6 lbs.

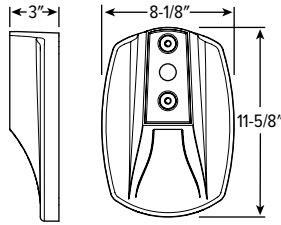
Round pole mount adapter(s) included. Quantity determined by mounting configuration.



# VA1 LED LED Voltaire Architectural Area Light

## VAWM – VOLTAIRE WALL MOUNT

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)	

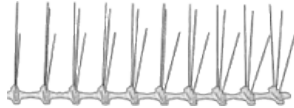


EPA: .22/Weight: 5 lbs.

- **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 – ROOSTING PREVENTION SPIKES

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



## FINISH OPTIONS



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

## SENSOR PLACEMENT DETAILS



## ADDITIONAL CONTROL OPTIONS

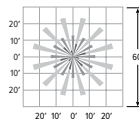
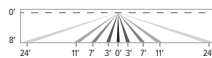
IP66 rated for wet locations.

**OCCWS-FSP-311-L\_120/277** Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2 or L3. Factory installed.

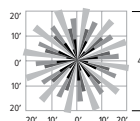
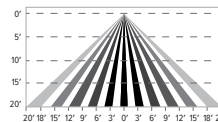
SPECIFICATIONS	
<b>TYPE</b>	PIR Motion + Daylight
<b>MOUNTING HEIGHT</b>	8' – 20'
<b>DETECTION ANGLE</b>	360°
<b>TEMPERATURE RANGE</b>	-40° to 75°C
<b>COMMISSIONING</b>	App (iOS or Android)

### SENSOR COVERAGE PATTERNS

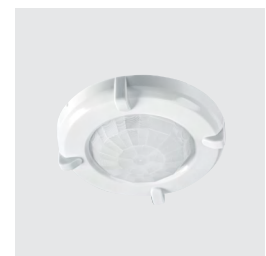
**L2 8' height: ø48' coverage**



**L3 20' height: ø40' coverage**



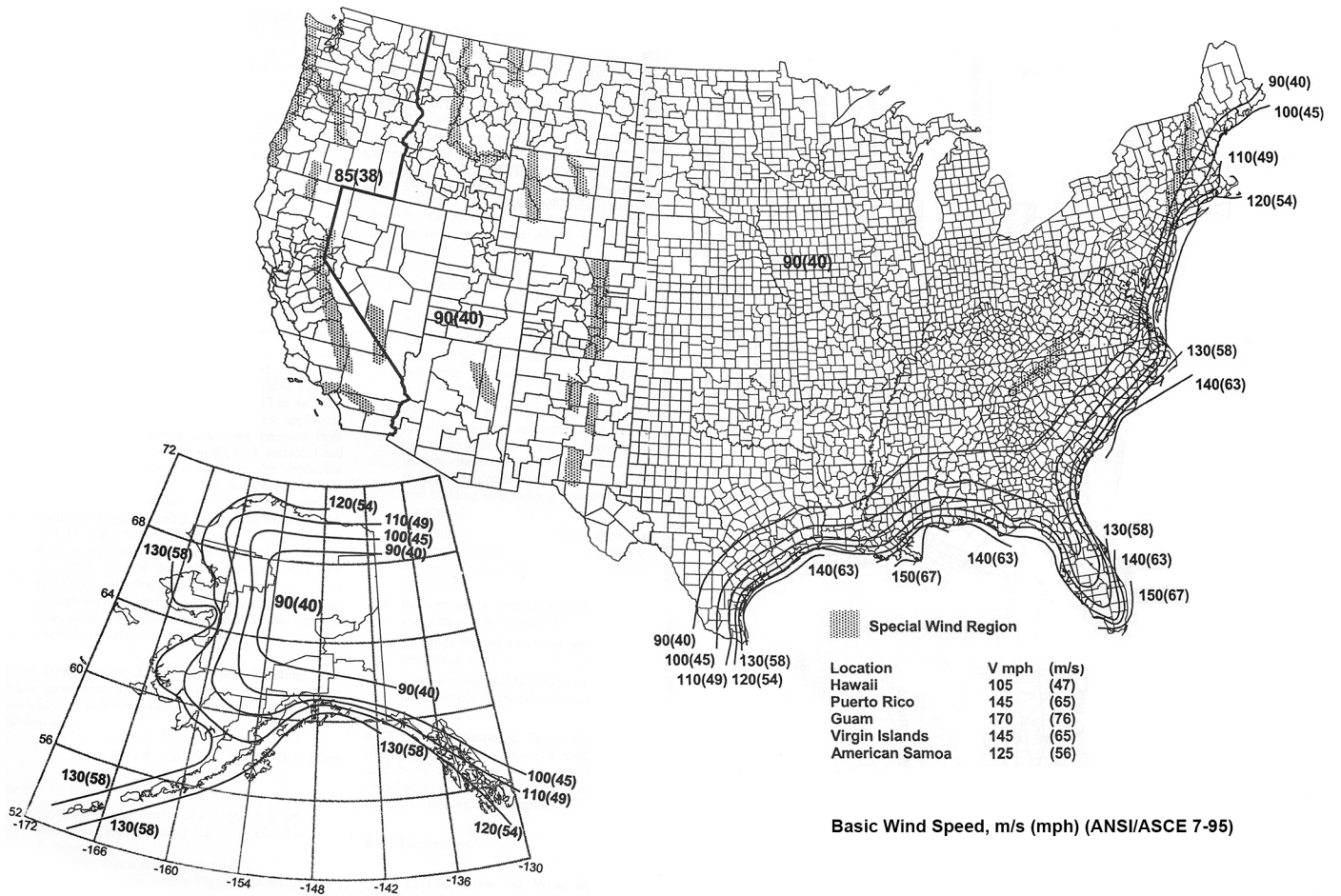
### SENSOR DETAIL



Dimensions: ø2-3/8"



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 you local area for unique wind conditions.

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