

# Vektor 1

se'lux®

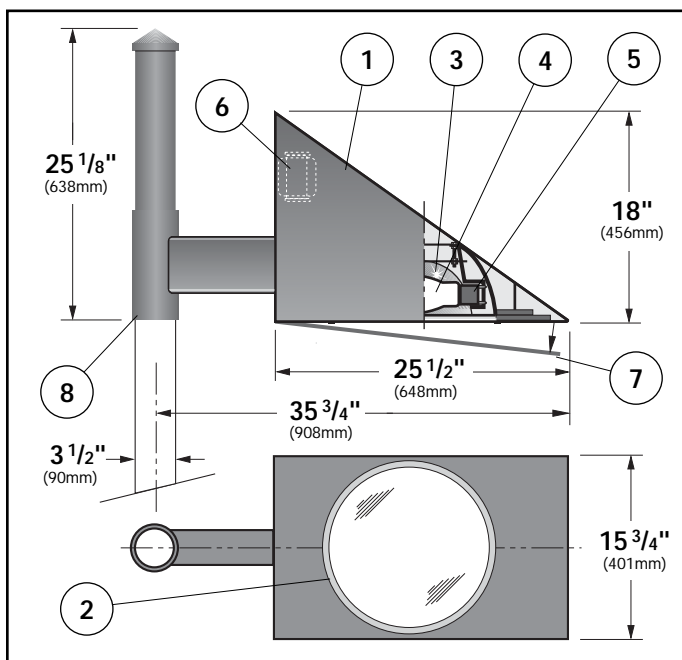


Project: \_\_\_\_\_

Type: \_\_\_\_\_ Qty: \_\_\_\_\_

VE1	-	-	-	-	-
Fixture Series	Reflector	Mounting	Lamp Type / Wattage	Finish	Voltage
-	-	-	-	-	-
Pole Series	Height	Finish	Options		

Series	Reflector	Mounting	Lamp Type / Wattage		Finish	Voltage
VE1 Vektor 1	R2 Type II Aluminum Reflector	1 Single	Metal Halide	HPS	WH White	120
	R5 Type V Aluminum Reflector	2 Double	H250 250w	S250 250w	BK Black	208
		L1 Single 4' Arm	H400 400w	S400 400w	BZ Bronze	240
		L2 Double 4' Arm			SV Silver	277
		W Wall			SP Specify RAL#	347
		T Single Fitter				



**1. Housing** - Formed **Stainless Steel**, houses reflector, socket, and high power factor core and coil ballast.

**2. Gasketing** - Continuous molded silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

**3. Reflector** - Precision formed, aluminum reflector with a Type II or Type V distribution.

**4. Lamp** - One clear, mogul base ED 28 metal halide or ED18 high pressure sodium up to 400w. Lamp provided by others.

**5. Socket** - 4KV Pulse rated porcelain mogul base socket for lamps up to 400w. Socket is pre-wired to ballast at factory.

**6. Ballast** - A high power factor, open core and coil ballast regulates voltage for H.I.D. lamp. Mounted to removable tray for ease of servicing. Consult factory for detailed ballast information.

**7. Access Door** - Formed Stainless Steel door with tempered glass lens. Door hinges open for relamping and is secured in place with captive toolless fasteners.

**8. Pole Fitter** - Fitter for round pole mount secured to pole with six stainless steel, Allen head set screws. Fitter for 3 1/2" (90mm) O.D. pole.

## Exterior Luminaire Finish -

SELUX utilizes a high quality Polyester Powder Coating. All SELUX luminaires and poles undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. SELUX powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), and Silver (SV). RAL colors (SP) are available, please specify RAL#.



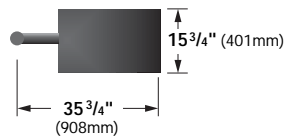
**Union Made  
Affiliated with  
IBEW Local 363**

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VE1-1003-01 (ss-V1.81)

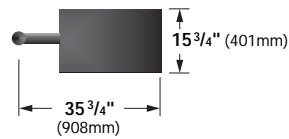
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at [www.selux.com/usa](http://www.selux.com/usa) are the most recent versions and supersede all other printed or electronic versions.

## Mounting

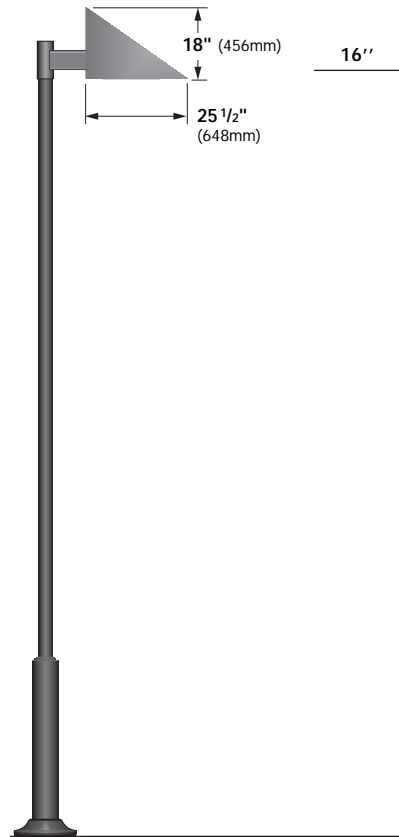
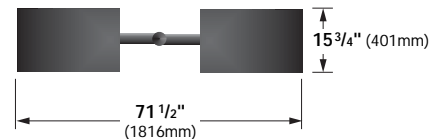
T (Single Fitter)



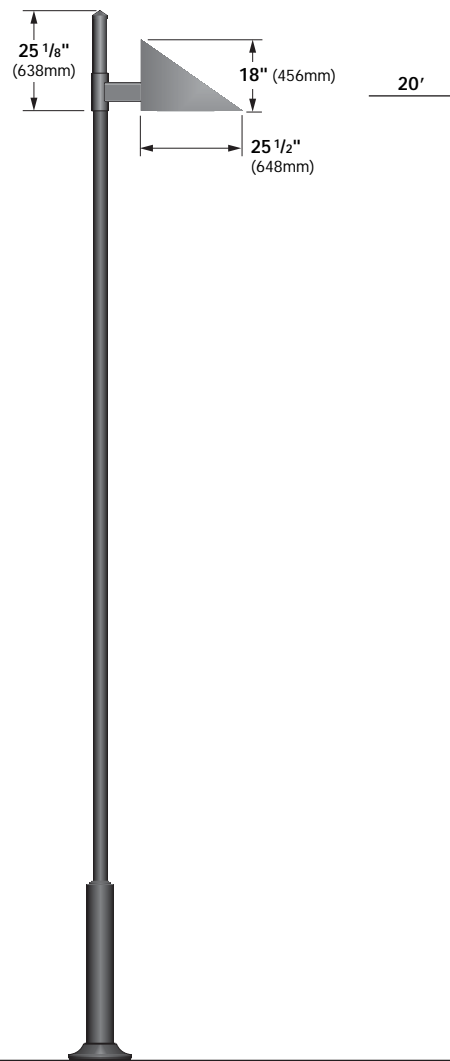
1 (Single)



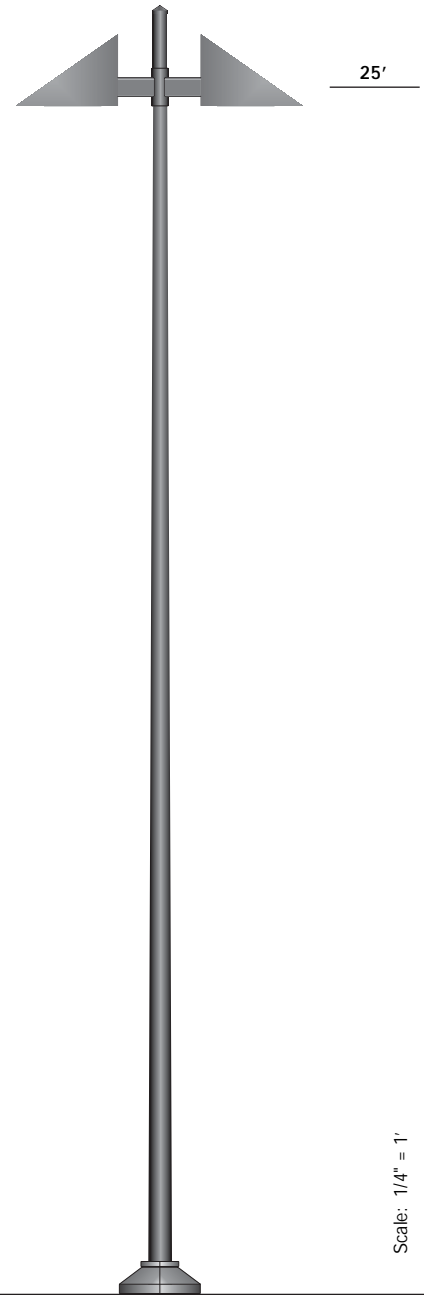
2 (Double)



S635-16



S635-20



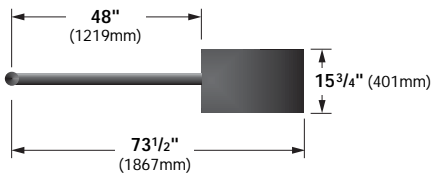
AT635-25-BC9

Scale: 1/4" = 1'

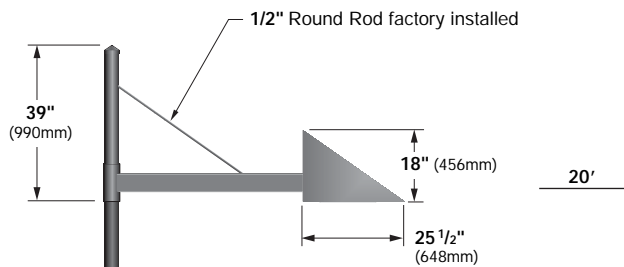
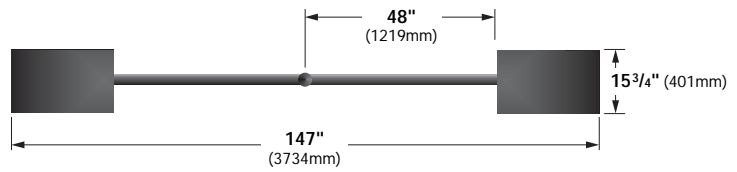
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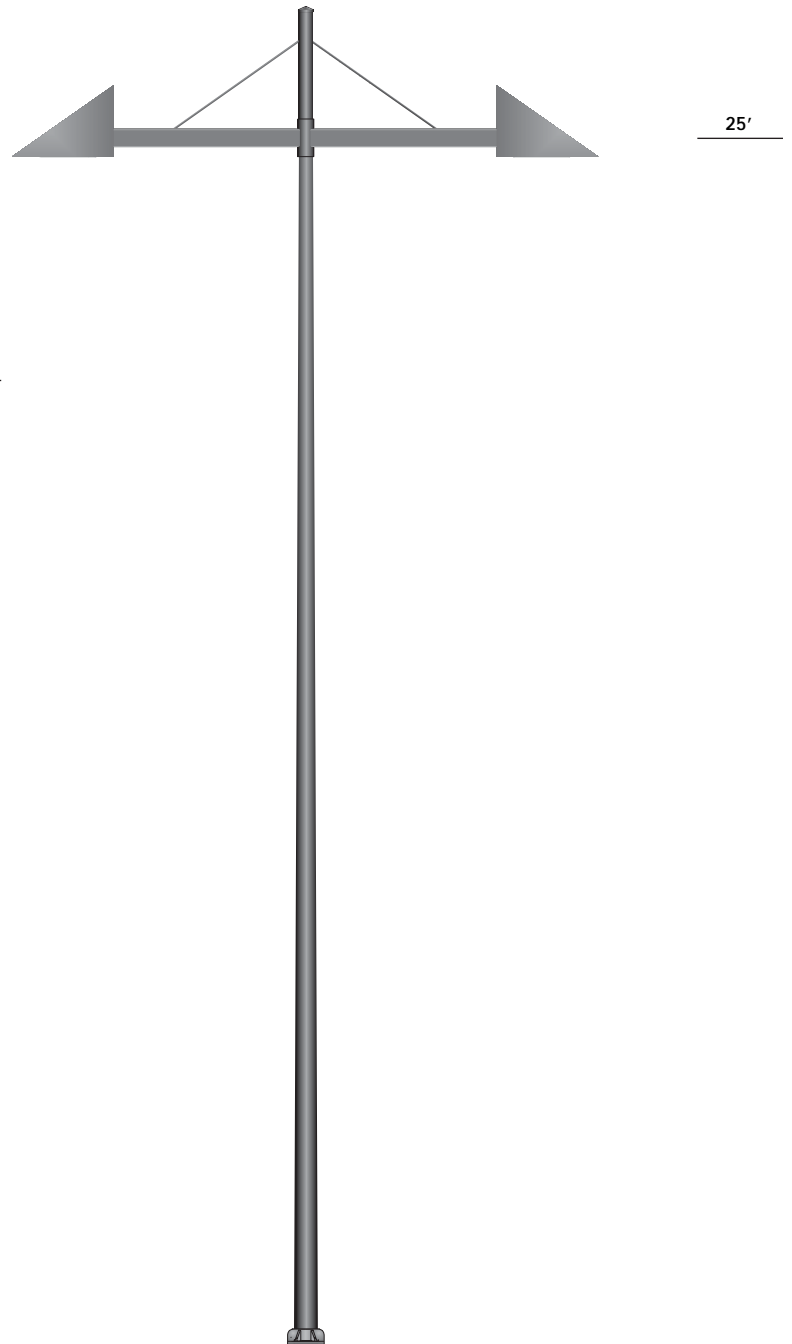
L1 (Single 4' Arm)



L2 (Double 4' Arm)



S635-20



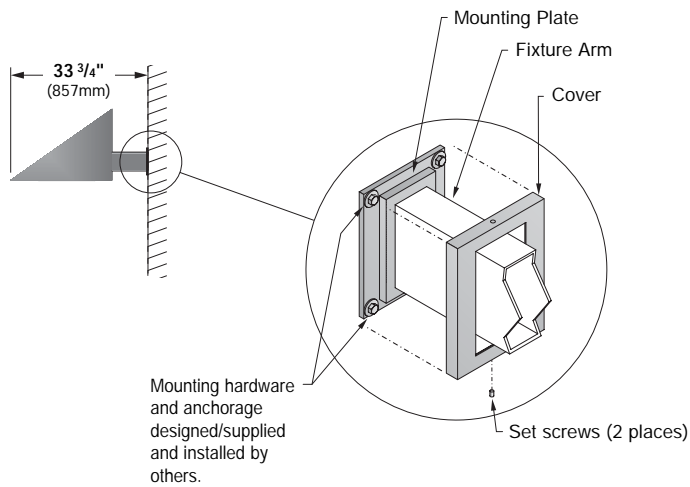
AT635-25

Scale: 1/4" = 1'

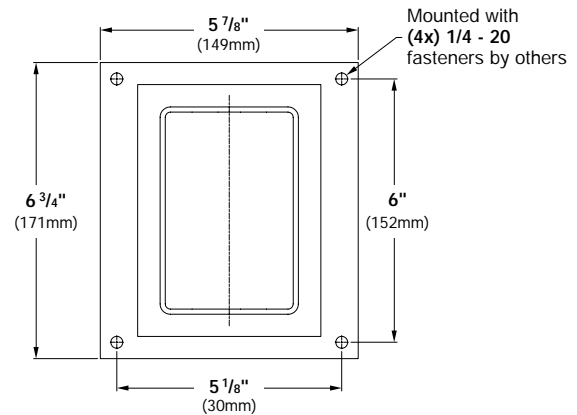
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VE1-1003-03

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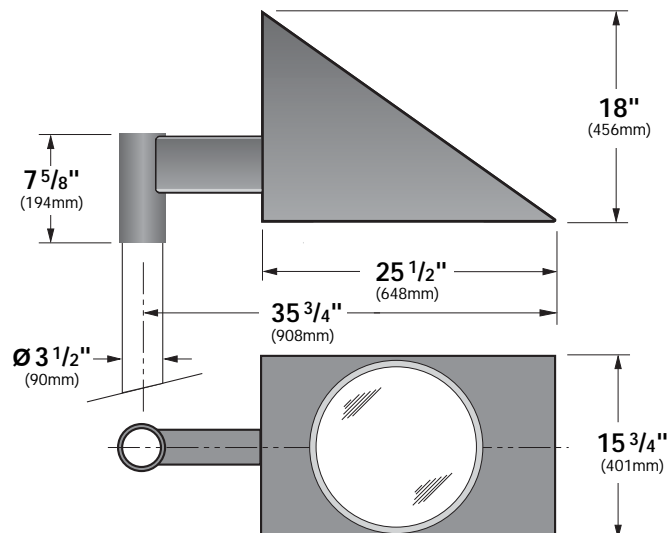
## W (Wall Mount)



## Wall Mounting Plate Detail



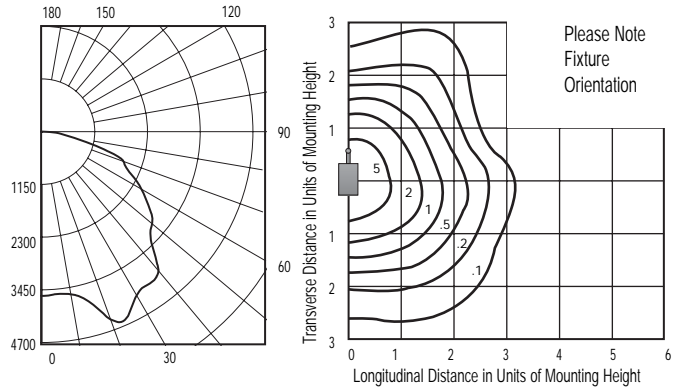
## T (Single Fitter) Mounting Detail



## R2 Reflector

Catalog # VE1-R2-1-H250  
Report # LSI 13535

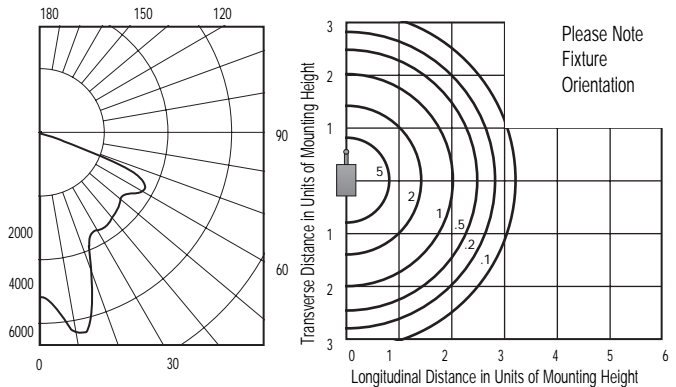
- Precision formed aluminum reflector with specular kick reflectors to precisely control distribution.
- Ideal for applications demanding maximum spacing.
- Maximum candela of 4611 at 60° from vertical.
- IES classification - Type II Full Cutoff.



## R5 Reflector

Catalog #VE1-R5-1-H250  
Report # LSI 13593

- Precision formed aluminum reflector with vertical, base up lamp.
- Ideal for applications demanding a uniform symmetric light distribution.
- Maximum candela of 6244 at 12.5° from vertical.
- IES classification - Type V Full Cutoff.



**HID Lamp Prorate Table**

High Pressure Sodium			Metal Halide		
Wattage	Factor	Initial Lumens	Wattage	Factor	Initial Lumens
250	1.39	28500	250	1.00	20500
400	2.44	50000	400	1.75	36000

**Conversion Chart**

Values based on 18' mounting height.

Mounting Height	Multiply
12'	2.25
14'	1.65
16'	1.26
18'	1.00
20'	0.81
22'	0.67
24'	0.56
25'	0.52

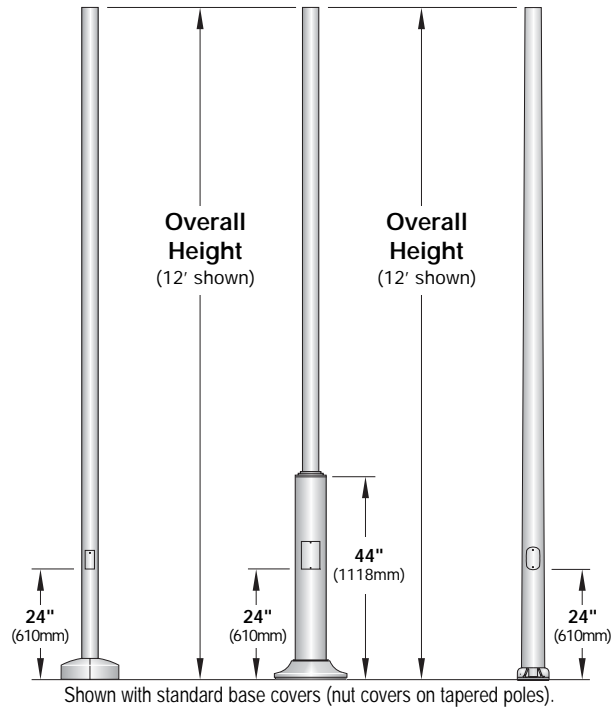
## Pole Information

Refer to A35, S635, S35, or AT535-AT635 Pole specification sheets for construction details, anchorage information and additional options.

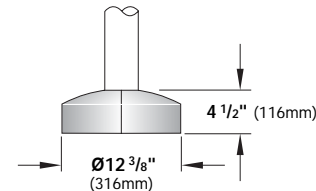
**A35 & S35**  
Round Straight Aluminum  
& Round Straight Steel Poles

**S635**  
Round Stepped  
Steel Pole

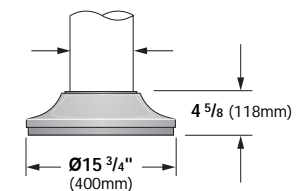
**AT535 / AT635**  
Tapered Aluminum  
Poles



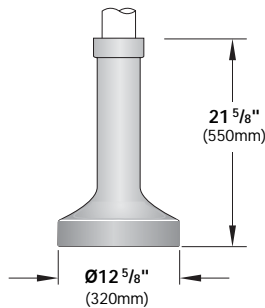
**Straight Poles (S35)**  
**BC5 Standard Base Cover**  
Two-piece cast aluminum



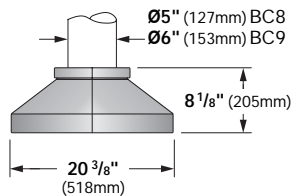
**Stepped Steel Pole (S635)**  
**BC6 Standard Base Cover**  
One-piece cast aluminum



**BC1 Optional Base Cover**  
(S35) One-piece cast aluminum



**BC8/BC9 Optional Base Cover**  
(AT535 / AT635) Die cast aluminum,  
two-piece field installable base cover.



Pole Series	Bolt Circle	EPA Information (ft <sup>2</sup> )					Height	Finish	Options
		70 mph	80 mph	90 mph	100 mph	110 mph			
<b>S635</b> 3 1/2" Diameter Stepped Steel Pole	9"	21.7	15.8	12.3	9.6	7.6	16 16 ft.	WH White	<b>BC1</b> Decorative Cast Aluminum Base Cover (S35 poles only)  <b>BC8</b> Two-piece Cast Aluminum Base Cover (for AT535 poles only)  <b>BC9</b> Two-piece Cast Aluminum Base Cover (for AT635 poles only)  <b>REC</b> GFCI Receptacle with weatherproof cover*  <b>PC</b> Photocell  * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
<b>S35</b> 3 1/2" Diameter Straight Steel Pole	7 3/4"	4.4	2.8	1.9	1.2	0.6		BK Black	
<b>AT535</b> 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	10.7	7.7	5.6	4.2	3.3		BZ Bronze	
<b>S635</b> 3 1/2" Diameter Stepped Steel Pole	9"	18.8	13.6	10.4	8.1	6.3	18 18 ft.	SV Silver	
<b>AT535</b> 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	11.1	7.8	5.6	4.2	3.2		SP Specify RAL#	
<b>S635</b> 3 1/2" Diameter Stepped Steel Pole	9"	16.5	11.8	8.9	6.8	5.2			
<b>AT535</b> 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	9.4	6.4	4.5	3.2	2.4	20 20 ft.		
<b>AT635</b> 6" to 3 1/2" Tapered Aluminum Pole	9 3/4"	10.4	7.0	4.8	3.4	2.6			
							25 25 ft.		
Other pole configurations available, consult factory. EPA Calculations allow for 1.3 Gust Factor									

EPA / Weight of VE1-1(-T) (with arm) = 2.60 ft<sup>2</sup> (0.24m<sup>2</sup>) / 60.0 lbs (27.2kg)  
EPA / Weight of VE1-2 (with arms) = 4.88 ft<sup>2</sup> (0.45m<sup>2</sup>) / 120.0 lbs (54.5kg)

EPA / Weight of VE1-L1 (with arm) = 4.32 ft<sup>2</sup> (0.40m<sup>2</sup>) / 105 lbs (47.6kg)  
EPA / Weight of VE1-L2 (with arms) = 8.08 ft<sup>2</sup> (0.75m<sup>2</sup>) / 188.3 lbs (85.4kg)