



Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

### APPLICATIONS

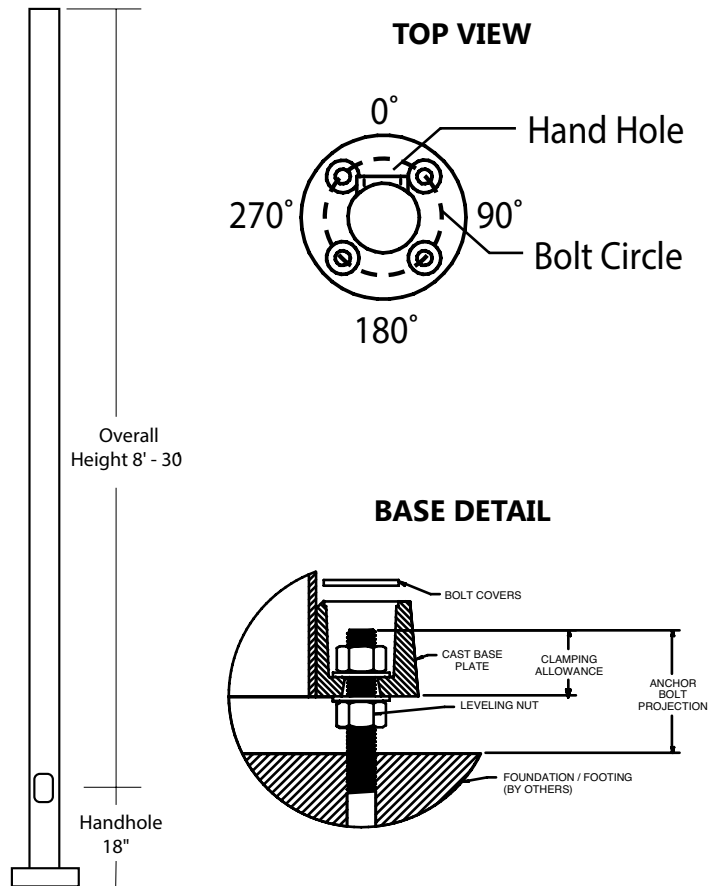
Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

### CONSTRUCTION

<b>Shaft:</b>	One-piece straight aluminum with round cross section; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Base plate of 356 cast aluminum
<b>Bolt Covers:</b>	Four (4) individual bolt covers provided, painted to match pole and base finish
<b>Base Cover:</b>	2-Piece base cover supplied with 3" diameter poles
<b>Pole Cap:</b>	Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
<b>Hand Hole:</b>	Rectangular 3x5 aluminum hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
<b>Anchor Bolt:</b>	Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

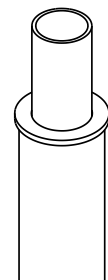
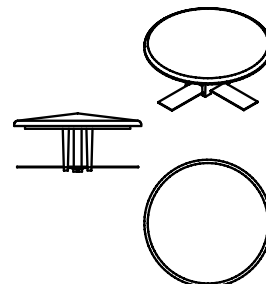
### FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in three standard colors; Custom colors available; RAL number preferable



### POLE CAP

### TENON



## RSAE Series Poles

Round | Straight | Aluminum

Ordering Information

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

### Example: RSAE16-40A-2-E1-DKBZ-VM2

#### RSAE

#### E1

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING	POLE DRILLING	FINISH	OPTIONS
RSAE = Evolve Round Straight Aluminum Pole	8 <sup>2</sup> =8 ft.	30=3" Round	A=0.125" C=.25"	<b>1<sup>2</sup></b> = Single arm mount <b>2<sup>2</sup></b> = Two fixtures at 180° <b>2L</b> = Two fixtures at 90° <b>3T</b> = Three fixtures at 90° <b>3Y</b> = Three fixtures at 120° <b>4<sup>2</sup></b> = Four fixtures at 90° <b>TA</b> = Tenon (2.375" OD) <b>TB</b> = Tenon (2.875" OD) <b>OT</b> = Open Top (includes pole cap)	E1 = Evolve Round Pole	<b>DKBZ</b> = Dark Bronze <b>BLCK</b> = Black <b>GRAY</b> = Gray * Contact factory for custom color options	<b>GFI<sup>1</sup></b> = 20 Amp GFCI Receptacle and Cover <b>EHH<sup>1</sup></b> = Extra Handhole <b>C05<sup>1</sup></b> = 0.5" Coupling <b>C07<sup>1</sup></b> = 0.75" Coupling <b>C20<sup>1</sup></b> = 2" Coupling <b>VM2</b> = 2nd mode vibration damper <b>LAB</b> = Less Anchor Bolts
	10=10 ft.	40=4" Round	A=0.125" B=.188" C=.25"				
	12=12 ft.	40=4" Round	A=0.125" B=.188" C=.25"				
		50=5" Round	B=.188"				
	14=14 ft.	40=4" Round	A=0.125" B=.188" C=.25"				
		50=5" Round	B=.188"				
	16=16 ft.	40=4" Round	A=0.125" B=.188" C=.25"				
		50=5" Round	B=.188"				
		60=6" Round	A=0.125"				
	18=18 ft.	40=4" Round	A=0.125" B=.188" C=.25"				
		50=5" Round	B=.188"				
		60=6" Round	A=0.125" C=.25"				
	20=20 ft.	40=4" Round	A=0.125" B=.188" C=.25"				
		50=5" Round	B=.188"				
		60=6" Round	A=0.125" C=.25"				
	25=25 ft.	50=5" Round	B=.188"				
		60=6" Round	A=0.125" C=.25"				
	30=30 ft.	60=6" Round	C=.25"				

**NOTES:**

- Specify option location using MOUNTING ORIENTATION logic shown on this page
- Single digit numbers are allowed in ordering information.

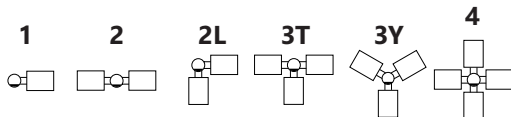
### ACCESSORIES - ORDER SEPARATELY

CATALOG NUMBER	DESCRIPTION
VM2SXX*	2nd mode vibration damper

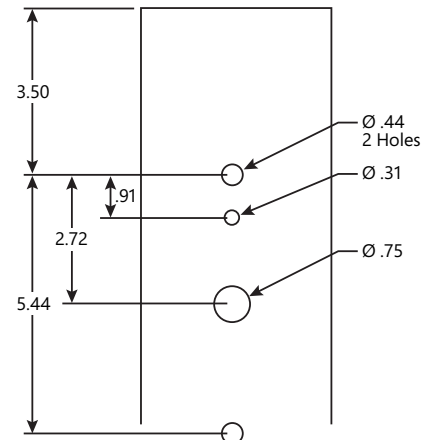
\* XX = 08 for 8'; 12 for 12'; 15 for 16'; 20 for 20'; and 24' for 24'

### MOUNTING ORIENTATION

○ Denotes handhole location



### DRILL PATTERN E1



## RSAE Series Poles

Round | Straight | Aluminum

### Ordering Information

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT SQUARE (RANGE)	BASE PLATE DIAMETER	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT
	FEET	METERS								
RSAE8-30A	8	2.4	3" round	0.125"	6"	5.66"	Triangular	5/8"x24"x3"	2-3/4"	18
RSAE8-30C	8	2.4	3" round	.25"	6"	5.66"	Triangular	5/8"x24"x3"	2-3/4"	28

RSAE10-40A	10	3.0	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	27
RSAE12-40A	12	3.7	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	31
RSAE14-40A	14	4.3	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	36
RSAE16-40A	16	4.9	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	40
RSAE18-40A	18	5.5	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	45
RSAE20-40A	20	6.1	4" round	0.125"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	50

RSAE10-40B	10	3.0	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	38
RSAE12-40B	12	3.7	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	44
RSAE14-40B	14	4.3	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	51
RSAE16-40B	16	4.9	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	58
RSAE18-40B	18	5.5	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	65
RSAE20-40B	20	6.1	4" round	0.188"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	71

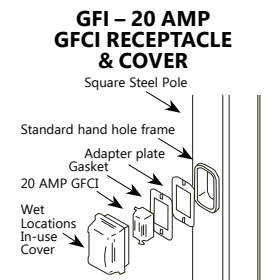
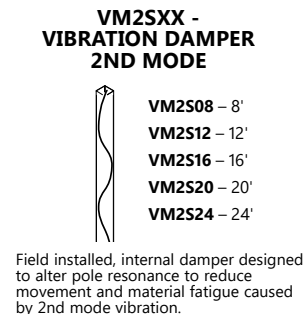
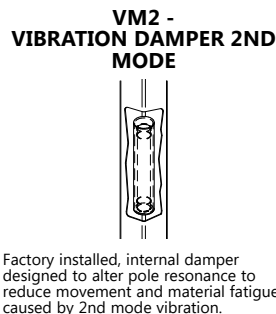
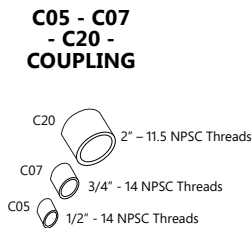
RSAE12-40C	12	3.7	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	57
RSAE14-40C	14	4.3	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	66
RSAE16-40C	16	4.9	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	75
RSAE18-40C	18	5.5	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	83
RSAE20-40C	20	6.1	4" round	.25"	6.75"	4.77"	9.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	92

RSAE12-50B	12	3.7	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	56
RSAE14-50B	14	4.3	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	64
RSAE16-50B	16	4.9	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	73
RSAE18-50B	18	5.5	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	81
RSAE20-50B	20	6.1	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	90
RSAE25-50B	25	7.6	5" round	0.188"	7.75"	5.48"	10.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	111

RSAE16-60A	16	4.9	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	60
RSAE18-60A	18	5.5	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	67
RSAE20-60A	20	6.1	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	74
RSAE25-60A	25	7.6	6" round	0.125"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	91

RSAE18-60C	18	5.5	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	127
RSAE20-60C	20	6.1	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	140
RSAE25-60C	25	7.6	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	174
RSAE30-60C	30	9.1	6" round	.25"	8.75"	6.19"	11.62" Dia x 1.88" Thk	3/4"x30"x3"	2-3/4"	208

**NOTES:**  
 1. Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.



#### OPTION ORIENTATION

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet).  
**Example:** Option C07 should be ordered as: RSAE20-40A-TA-E1-DBT-C07-0-15 (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.

## RSAE Series Poles

Round | Straight | Aluminum

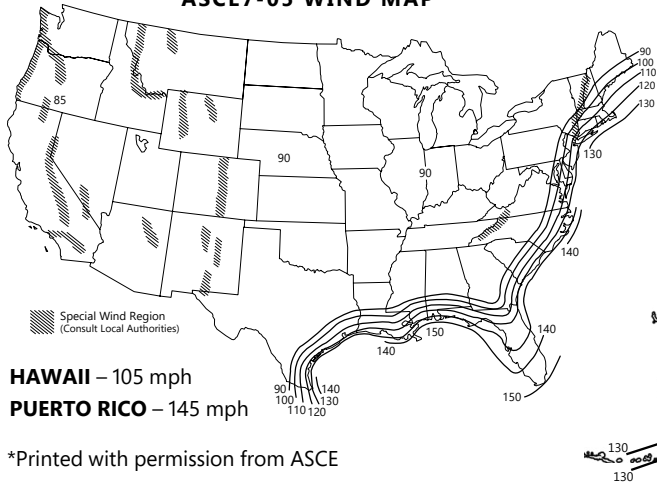
EPA Load Rating - Wind Maps

Project Name \_\_\_\_\_

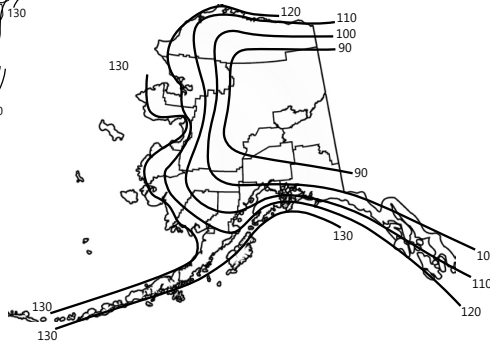
Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

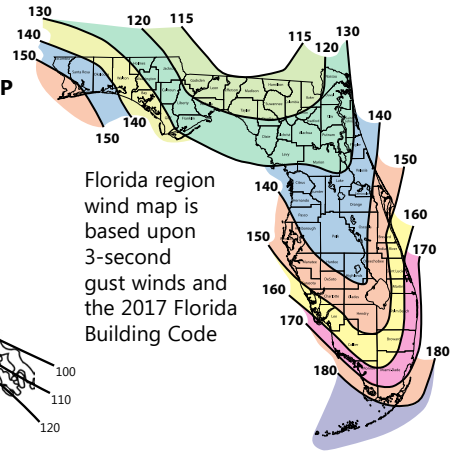
**ASCE7-05 WIND MAP**



**ALASKA REGION WIND MAP**



**FLORIDA REGION WIND MAP**



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	85	90	100	105	110	120	130	140	145	150
RSAE8-30A	6.3	5.5	4.3	3.8	3.4	2.7	2.2	1.7	1.5	1.4
RSAE8-30C	11.8	10.5	8.5	7.6	6.9	5.6	4.7	3.9	3.6	3.3

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	115	120	130	140	150	160	170	180
RSAE8-30A	4.5	4.1	3.3	2.7	2.2	1.8	1.5	1.2
RSAE8-30C	8.8	8.1	6.8	5.7	4.9	4.1	3.5	3.0

RSAE10-40A	9.0	7.9	6.2	5.5	4.8	3.9	3.2	2.7	2.5	2.3
RSAE12-40A	6.8	5.9	4.5	3.9	3.4	2.6	2.1	1.7	1.6	1.4
RSAE14-40A	5.1	4.4	3.1	2.6	2.2	1.6	1.2	0.9	0.8	0.7
RSAE16-40A	3.8	3.2	2.1	1.6	1.3	0.7	0.5	NR	NR	NR
RSAE18-40A	2.7	2.1	1.2	0.8	NR	NR	NR	NR	NR	NR
RSAE20-40A	1.7	1.2	NR	NR	NR	NR	NR	NR	NR	NR

RSAE10-40A	6.4	5.8	4.7	3.8	3.1	2.5	2.4	2.3
RSAE12-40A	4.6	4.1	3.2	2.4	1.8	1.7	1.6	1.5
RSAE14-40A	3.2	2.8	2.0	1.4	0.9	NR	NR	NR
RSAE16-40A	2.1	1.7	1.0	0.5	NR	NR	NR	NR
RSAE18-40A	1.1	0.8	NR	NR	NR	NR	NR	NR
RSAE20-40A	NR	NR	NR	NR	NR	NR	NR	NR

RSAE10-40B	13.7	12.1	9.6	8.6	7.7	6.3	5.3	4.5	4.2	3.9
RSAE12-40B	10.7	9.4	7.3	6.5	5.7	4.6	3.8	3.2	3.0	2.7
RSAE14-40B	8.4	7.3	5.6	4.9	4.2	3.3	2.7	2.2	2.0	1.9
RSAE16-40B	6.6	5.8	4.2	3.6	3.0	2.2	1.8	1.4	1.3	1.1
RSAE18-40B	5.1	4.3	3.0	2.4	2.0	1.3	1.0	0.7	0.6	0.5
RSAE20-40B	3.8	3.1	2.0	1.5	1.1	0.5	NR	NR	NR	NR

RSAE10-40B	10.1	9.1	7.6	6.3	5.3	4.4	4.2	3.9
RSAE12-40B	7.6	6.9	5.6	4.5	3.7	2.9	2.8	2.7
RSAE14-40B	5.8	5.1	4.0	3.1	2.4	1.8	1.6	1.4
RSAE16-40B	4.3	3.7	2.7	2.0	1.3	0.8	0.5	NR
RSAE18-40B	3.0	2.5	1.7	1.0	NR	NR	NR	NR
RSAE20-40B	1.9	1.5	0.7	NR	NR	NR	NR	NR

RSAE12-40C	14.1	12.5	9.9	8.8	7.9	6.4	5.4	4.6	4.2	3.9
RSAE14-40C	11.3	9.9	7.7	6.8	6.0	4.8	4.0	3.4	3.1	2.9
RSAE16-40C	9.1	7.9	6.0	5.3	4.6	3.5	2.9	2.4	2.2	2.0
RSAE18-40C	7.3	6.3	4.6	3.9	3.3	2.4	1.9	1.6	1.4	1.2
RSAE20-40C	5.7	4.8	3.4	2.8	2.3	1.5	1.1	0.8	0.7	0.6

RSAE12-40C	10.3	9.3	7.7	6.4	5.3	4.4	4.2	4.0
RSAE14-40C	8.0	7.2	5.8	4.7	3.8	3.0	2.8	2.6
RSAE16-40C	6.2	5.5	4.3	3.3	2.5	1.9	1.7	1.5
RSAE18-40C	4.6	4.0	3.0	2.1	1.5	0.9	0.7	0.5
RSAE20-40C	3.3	2.8	1.9	1.2	0.6	NR	NR	NR

RSAE12-50B	18.1	16.0	12.9	11.7	10.6	8.9	7.5	6.4	5.9	5.5
RSAE14-50B	14.6	12.8	10.2	9.2	8.4	7.0	5.8	5.0	4.6	4.3
RSAE16-50B	11.9	10.3	8.1	7.3	6.6	5.4	4.5	3.8	3.5	3.3
RSAE18-50B	9.5	8.2	6.3	5.7	5.1	4.2	3.4	2.8	2.6	2.4
RSAE20-50B	7.5	6.4	4.8	4.3	3.8	3.0	2.4	2.0	1.8	1.6
RSAE25-50B	3.8	2.9	1.9	1.6	1.3	0.9	0.6	NR	NR	NR

RSAE12-50B	13.2	12.0	9.9	9.4	8.0	6.8	5.9	5.1
RSAE14-50B	10.4	9.3	7.5	7.0	6.3	5.3	4.5	3.8
RSAE16-50B	8.0	7.1	5.6	5.3	4.9	4.0	3.3	2.7
RSAE18-50B	6.1	5.3	3.9	3.6	3.3	3.0	2.3	1.8
RSAE20-50B	4.4	3.7	2.9	2.8	2.7	2.1	1.5	1.1
RSAE25-50B	1.3	0.7	1.0	0.5	NR	NR	NR	NR

RSAE16-60A	11.9	10.6	8.4	7.6	6.9	5.7	4.7	4.0	3.7	3.4
RSAE18-60A	9.5	8.4	6.7	6.0	5.4	4.4	3.6	3.0	2.8	2.5
RSAE20-60A	7.5	6.5	5.1	4.6	4.1	3.3	2.7	2.2	2.0	1.8
RSAE25-60A	3.6	3.1	2.2	1.9	1.6	1.1	0.8	0.5	NR	NR

RSAE16-60A	9.3	8.4	6.8	5.5	4.5	3.7	2.9	2.3
RSAE18-60A	7.4	6.6	5.3	4.2	3.3	2.5	1.9	1.4
RSAE20-60A	5.9	5.2	4.0	3.0	2.2	1.6	1.0	0.6
RSAE25-60A	3.0	2.4	1.5	0.8	0.2	NR	NR	NR

RSAE18-60C	21.4	19.1	15.5	14.0	12.0	9.9	8.3	7.0	6.5	6.0
RSAE20-60C	17.9	15.9	12.8	11.6	10.5	8.1	6.8	5.7	5.2	4.8
RSAE25-60C	11.4	10.1	8.0	7.2	6.5	4.8	3.9	3.2	2.9	2.6
RSAE30-60C	6.9	6.0	4.6	4.1	3.6	2.4	1.8	1.4	1.2	1.1

RSAE18-60C	16.5	15.0	12.4	10.4	8.7	7.4	6.2	5.2
RSAE20-60C	13.8	12.5	10.3	8.5	7.0	5.8	4.8	4.0
RSAE25-60C	9.0	8.0	6.3	4.9	3.8	2.9	2.1	1.5
RSAE30-60C	5.6	4.8	3.5	2.4	1.5	0.8	NR	NR

**NOTES****Wind-speed Website disclaimer:**

Current has no connection to the linked website and makes no representations as to its accuracy. While the information presented on this third-party website provides a useful starting point for analyzing wind conditions, Current has not verified any of the information on this third party website and assumes no responsibility or liability for its accuracy. The material presented in the windspeed website should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. Current Inc. does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the windspeed report provided by this website. Users of the information from this third party website assume all liability arising from such use. Use of the output of these referenced websites do not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the windspeed report. <http://windspeed.atcouncil.org>

1. Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
2. The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
3. Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
4. Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
5. Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Current's Pole Vibration Application Guide for environmental risk factors and design considerations: <http://images.salsify.com/image/upload/s--Uk0Lfj10--/bf7prkg0aey64uqoipso>
6. Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

**Due to our continued efforts to improve our products, product specifications are subject to change without notice.**