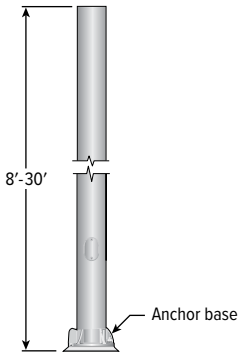
RSA Aluminum Round Straight Pole



CATALOG #:

Type:

PROJECT:

FEATURES

- One-piece aluminum construction provides durability and resists corrosion
- An assortment of finishes are available to complement the architectural elements of any outdoor space
- Available in heights up to 30′

SPECIFICATIONS

- SHAFT – Extruded from seamless 6000 series aluminum alloy.
- POLE TOP – Tenon provided for top mount luminaire. Removable pole cap provided for poles receiving drilling patterns for side-mount luminaire arm assemblies.
- HANDHOLE – Covered handhole with hardware and grounding provision provided.
- FINISH – Polyester powder coat bonded to pretreated metal, meets AAMA 2604 specifications for outdoor durability.
- ANCHOR BOLTS – Anchor bolts conform to ASTM F1554 Grade 55, galvanized a minimum of 12″ on the threaded end.
- MOUNTING – Anchor base cast from 356 aluminum alloy. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers included with each anchor base unless otherwise specified.

ORDERING EXAMPLE: RSA - 080 - 0400 - 125 - TM238 - DBR - AB - OPTIONS

ORDERING INFO

SERIES

RSA

HEIGHT

Specify according to chart. See page 3 for LOAD AND DIMENSIONAL DATA.

080	8′-0″ [9]
100	10′-0″ [10]
120	12′-0″
140	14′-0″
160	16′-0″
180	18′-0″
200	20′-0″
250	25′-0″ [11]
300	30′-0″ [12]

SHAFT DIAMETER

0400	4″ [13]
0450	4.5″ [14]
0500	5″ [15]
0600	6″ [16]

WALL THICKNESS

125	0.125″ [17]
156	0.156″ [18]
188	0.188″

FIXTURE MOUNTING [1]

POLE TOP MOUNT

TM238	2-3/8″ x 4″ Round tenon
TM278	2-7/8″ x 4″ Round tenon
TM3	3″ x 4″ Round tenon
TC___	Custom Round Tenon [2]

DRILLED SIDE MOUNT

SM/S	Single 0° [3]
SM/D90	Double 90° [4]
SM/D180	Double 180° [5]
SM/T90	Triple 90° [6]
SM/T120	Triple 120° [7]
SM/Q90	Quad 90° [8]

FINISH [19]

BLK	Black [21]
DBR	Medium bronze
DBZ	Dark bronze
GRAY	Standard gray
GRN	Green [22]
SLV	Satin aluminum [23]
WHT	White [24]
RAL#____	Specify custom color

ANCHOR BOLTS

AB	Anchor bolts [25]
LAB	Less anchor bolts
PAB	Pre-shipped Anchor Bolts [26]

OPTIONS [20]

FS	Festoon box only [27]
SBC	Spun aluminum base cover
VB1	Vibration damper [28]
VB2	Vibration damper [29]
VB3	Vibration damper [30]

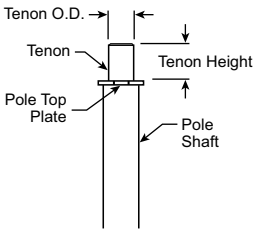
NOTES

1. Designed for pole top tenon or drilled side mount. See page 2 for MOUNTING DETAILS.
2. Must specify tenon diameter and height, consult factory.
3. Located at 0°.
4. Located at 0° and 90°.
5. Located at 0° and 180°.
6. Located at 0°, 90°, and 180°.
7. Located at 0°, 120°, and 240°.
8. Located at 0°, 90°, 180°, and 270°.
9. 125 and 188 wall thicknesses only.
10. 125 and 188 wall thicknesses only.
11. 156 and 188 wall thicknesses only.
12. 188 wall thickness only. Factory-installed vibration damper included.
13. Up to 160 height only.
14. Up to 250 height only.
15. 100 to 200 heights only.
16. 160 to 300 heights only.
17. Up to 200 height only.
18. 120 to 250 heights only.
19. See page 2 for FINISH OPTIONS.
20. Factory-installed vibration damper included in select configurations. See page 3 for LOAD AND DIMENSIONAL DATA.
21. RAL #9004.
22. RAL #6005.
23. RAL #9006.
24. RAL #9003.
25. Four L-bolts provided with two hex nuts and two flat washers each, shipped with pole.
26. Four L-bolts provided with two hex nuts and two flat washers each.
27. Casting only. Outlet, cover and hardware by others.
28. Factory-installed.
29. Field-installed 100 to 200 heights.
30. Field-installed 250 and 300 heights.

RSA Aluminum Round Straight Pole

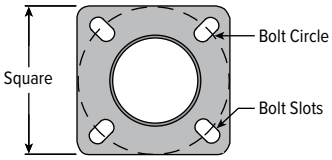
MOUNTING DETAILS

POLE TOP MOUNT TYPICAL TENON



ANCHORAGE DATA

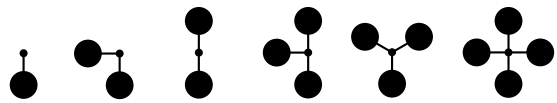
ANCHOR BASE



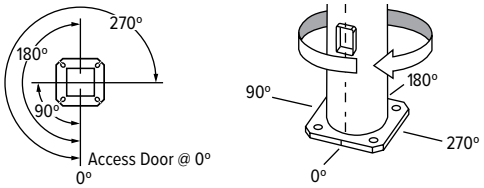
POLE		ANCHOR BASE				ANCHOR BOLTS		
BASE O.D.	WALL THK.	BOLT CIRCLE DIA.	BOLT CIRCLE ±	SQ.	THK.	DIA. X LENGTH X HOOK	PROJECTION	±
4″	1/8″	7-1/2″	3/4″	8-15/16″	5/8″	3/4″ x 17″ x 3″	3-1/4″	N/A
4-1/2″	1/8″	7-7/8″	3/4″	9-1/4″	5/8″	3/4″ x 17″ x 3″	3-1/4″	N/A
	3/16″	7-7/8″	3/4″	9-1/4″	5/8″	3/4″ x 17″ x 3″	3-1/4″	N/A
5″	1/8″	8-5/8″	7/8″	9-5/8″	5/8″	3/4″ x 17″ x 3″	3-1/4″	N/A
	5/32″	8-5/8″	7/8″	9-5/8″	5/8″	3/4″ x 17″ x 3″	3-1/4″	N/A
	3/16″	8-5/8″	7/8″	9-5/8″	5/8″	3/4″ x 17″ x 3″	3-1/4″	N/A
6″	5/32″	9-1/2″	3/4″	10-5/16″	5/8″	3/4″ x 17″ x 3″	3-1/2″	N/A
	3/16″	9-1/2″	3/4″	10-5/16″	5/8″	3/4″ x 17″ x 3″	3-1/2″	N/A

DRILLED SIDE MOUNT OPTIONS

SM/S SM/D90 SM/D180 SM/T90 SM/T120 SM/Q90



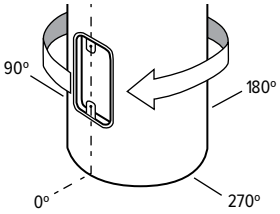
RADIAL INDEX



The Radial Index references how parts are oriented around the shaft. A degree measurement is used from a base point. The standard base point of reference is the access door. Degrees are measured in a clockwise motion as viewed from the top of the shaft.

OPTION DETAILS

ALUMINUM FESTOON BOX



NOTE: The festoon box is located above the access door at 0.

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 two sample swatches, minimum 1″ square.

RSA Aluminum Round Straight Pole

LOAD AND DIMENSIONAL DATA

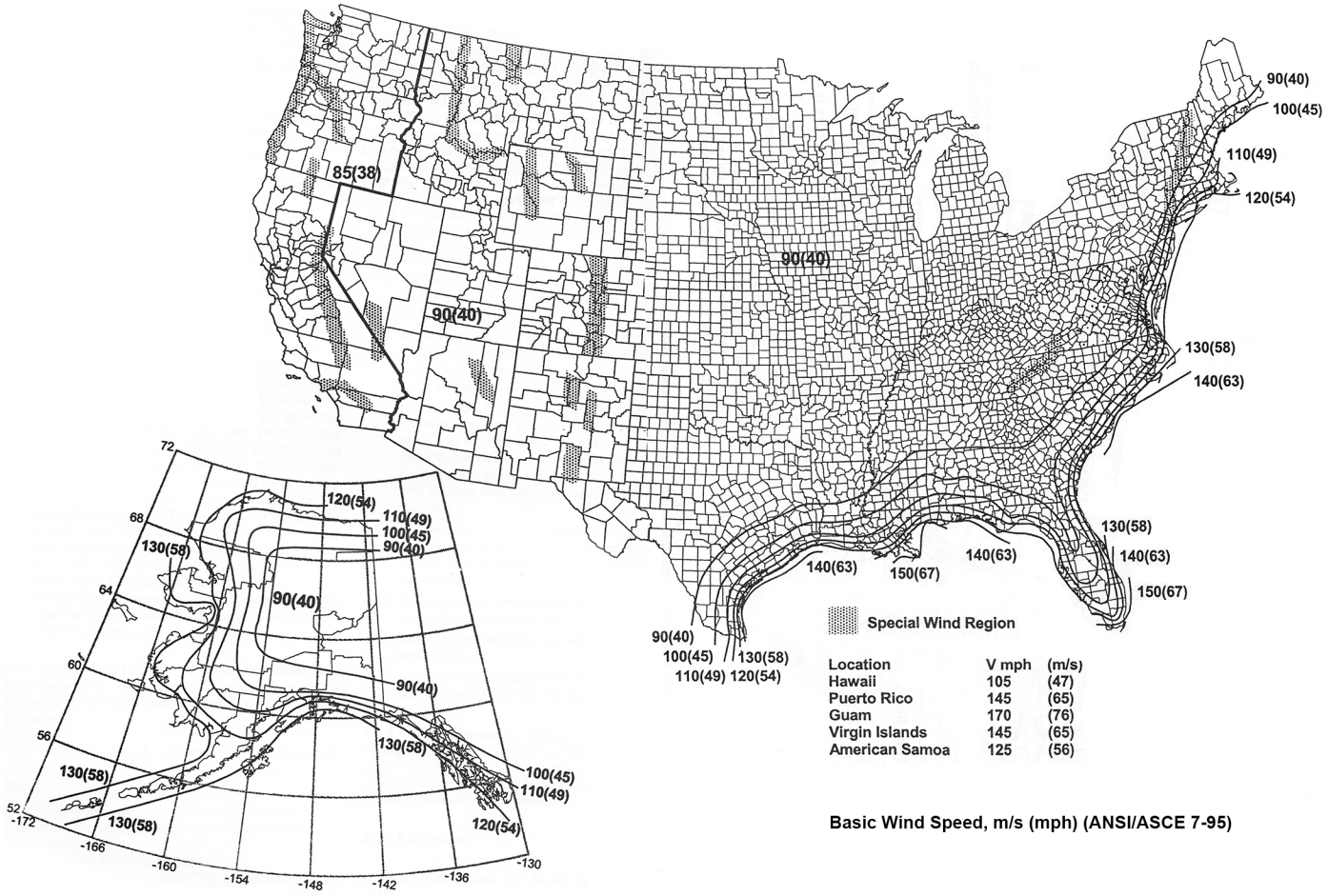
POLE HT. (FT)	CATALOG NUMBER	POLE DIMENSIONS				MAX LUMINAIRE WEIGHT (LBS)	MAX LUMINAIRE EPA (SQ FT) [1]				
		TOP O.D. (IN)	BASE O.D (IN)	WALL THK. (IN)	STRUC. WT (LBS)		70 MPH	80 MPH	90 MPH	100 MPH	110 MPH
8	RSA-080-0400-125	4.0	4.0	0.125	19	75	10.7	7.9	6.0	4.7	3.9
	RSA-080-0450-125	4.5	4.5	0.125	21	75	14.9	11.2	8.6	6.9	5.7
	RSA-080-0450-188	4.5	4.5	0.188	29	75	22.0	16.6	12.9	10.4	8.5
10	RSA-100-0400-125	4.0	4.0	0.125	22	75	8.1	5.9	4.3	3.3	2.7
	RSA-100-0400-125	4.5	4.5	0.125	25	100	11.5	8.4	6.4	5.1	4.1
	RSA-100-0450-125	4.5	4.5	0.188	35	100	17.3	12.8	9.9	7.9	6.5
	RSA-100-0500-188	5.0	5.0	0.125	27	100	15.4	11.5	8.9	7.1	5.8
12	RSA-120-0400-125	4.0	4.0	0.125	26	75	6.2	4.3	3.0	2.2	1.7
	RSA-120-0450-125	4.5	4.5	0.125	29	75	9.0	6.5	4.8	3.8	3.0
	RSA-120-0450-188	4.5	4.5	0.188	41	75	13.9	10.2	7.7	6.2	5.0
	RSA-120-0500-125	5.0	5.0	0.125	32	100	12.2	9.0	6.9	5.5	4.4
	RSA-120-0500-156	5.0	5.0	0.156	38	100	15.5	11.5	8.9	7.1	5.8
	RSA-120-0500-188	5.0	5.0	0.188	45	100	18.8	14.0	10.9	8.7	7.1
14	RSA-140-0400-125	4.0	4.0	0.125	30	100	4.6	3.0	1.9	1.2	0.9
	RSA-140-0450-125	4.5	4.5	0.125	33	100	6.9	4.7	3.4	2.6	2.0
	RSA-140-0450-188	4.5	4.5	0.188	47	100	11.1	7.9	5.9	4.6	3.7
	RSA-140-0500-125	5.0	5.0	0.125	36	100	9.7	6.9	5.3	4.1	3.3
	RSA-140-0500-156	5.0	5.0	0.156	44	100	12.5	9.1	7.0	5.5	4.4
	RSA-140-0500-188	5.0	5.0	0.188	52	100	15.3	11.2	8.7	6.9	5.6
16	RSA-160-0400-125	4.0	4.0	0.125	33	100	3.2	1.9	1.0	0.5	0.2
	RSA-160-0450-125	4.5	4.5	0.125	37	100	5.1	3.3	2.2	1.6	1.2
	RSA-160-0450-188	4.5	4.5	0.188	53	100	8.7	6.0	4.3	3.4	2.6
	RSA-160-0500-125	5.0	5.0	0.125	41	100	7.4	5.1	3.8	3.0	2.3
	RSA-160-0500-156	5.0	5.0	0.156	50	100	9.8	6.9	5.3	4.1	3.3
	RSA-160-0500-188	5.0	5.0	0.188	58	100	12.2	8.7	6.7	5.3	4.2
	RSA-160-0600-156	6.0	6.0	0.156	59	100	17.9	13.5	10.5	8.3	6.8
	RSA-160-0600-188	6.0	6.0	0.188	70	100	21.9	16.5	12.8	10.3	8.4
18	RSA-180-0450-188	4.5	4.5	0.188	59	100	6.7	4.5	3.1	2.3	1.8
	RSA-180-0500-125	5.0	5.0	0.125	45	100	5.6	3.7	2.7	2.0	1.5
	RSA-180-0500-156	5.0	5.0	0.156	55	100	7.7	5.2	3.9	3.0	2.3
	RSA-180-0500-188	5.0	5.0	0.188	65	100	9.7	6.8	5.1	4.0	3.1
	RSA-180-0600-188	6.0	6.0	0.188	78	100	18.0	13.5	10.5	8.3	6.7
20	RSA-200-0450-188	4.5	4.5	0.188	64	100	5.1	3.2	2.0	1.4	1.0
	RSA-200-0500-125	5.0	5.0	0.125	50	100	4.1	2.4	1.7	1.2	0.8
	RSA-200-0500-156	5.0	5.0	0.156	61	100	5.9	3.8	2.8	2.0	1.5
	RSA-200-0500-188	5.0	5.0	0.188	72	100	7.6	5.2	3.8	2.9	2.2
	RSA-200-0600-156	6.0	6.0	0.156	73	100	11.9	8.8	6.7	5.3	4.2
	RSA-200-0600-188	6.0	60	0.188	86	100	14.9	11.1	8.5	6.7	5.4
25	RSA-250-0450-188 [2]	4.5	4.5	0.188	79	100	2.1	0.6	0.0	0.0	0.0
	RSA-250-0600-156 [2]	6.0	6.0	0.156	90	100	6.9	4.9	3.6	2.7	2.0
	RSA-250-0600-188	6.0	6.0	0.188	106	100	9.1	6.6	4.9	3.8	2.9
30	RSA-300-0600-188 [2]	6.0	6.0	0.188	127	100	5.0	3.4	2.3	1.6	1.1

[1] Effective Projected Area (EPA) calculations are based on a 1.3 Gust Factor. Variations from sizes listed above available upon inquiry. Satisfactory performance of lighting poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. H.E. Williams, Inc. does not offer recommendations for foundations. See page 4 for WIND MAP.

[2] Pole includes factory-installed vibration damper.

- Pole installations in various parts of the country perform satisfactorily; however, in select locations destructive vibration can occur. H.E. Williams, Inc. is not responsible for vibration induced fatigue damage.
- H.E. Williams, Inc. warrants this product to be free from defects in materials and workmanship. Any defective part returned within one year from the date of delivery of the goods will be repaired or replaced without charge, F.O.B. factory.
- This warranty specifically excludes fatigue or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.
- The above warranties are given in lieu of all other warranties express or implied, including without limitation, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly stated that H.E. Williams, Inc. assumes no liability for consequential or liquidated damages arising out of a breach of the sale, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above.
- Any action for the breach under a sale including any warranties arising therefrom must be commenced within one year after the cause of action accrues.

WIND MAP



Basic Wind Speed, m/s (mph) (ANSI/ASCE 7-95)

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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