

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

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

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

**FEATURES**

- One-piece steel 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** – Fabricated from hot rolled welded steel tubing of one-piece construction with a minimum yield strength of 42,000 psi.
- POLE TOP** – Removable pole cap provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. Consult factory for top mount luminaire.
- HANDHOLE** – Covered handhole with hardware and grounding provision provided.
- BASE COVER** – Two-piece standard full base cover fabricated from ABS plastic
- FINISH** – Polyester powder coat bonded to pretreated metal, meets AAMA 2604 specifications for outdoor durability.
- HARDWARE** – All structural fasteners are galvanized high-strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel. Anchor bolts conform to ASTM F1554 Grade 55, galvanized a minimum of 12" on the threaded end.
- MOUNTING** – Anchor base (base plate) cast from 356 aluminum alloy. A mounting template is provided with each pole and anchor bolt order.

**ORDERING EXAMPLE: RSS - 100 - 0300 - 120 - TM238 - DBR - AB - OPTIONS**

**ORDERING INFO**

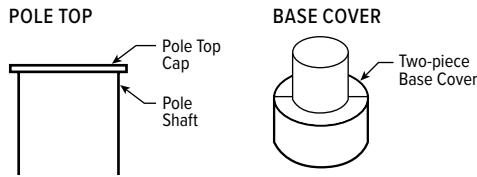
SERIES	HEIGHT	SHAFT DIAMETER	WALL THICKNESS	FIXTURE MOUNTING <sup>[1]</sup>
<b>RSS</b>	Specify according to chart. See page 3 for LOAD AND DIMENSIONAL DATA.			<b>POLE TOP MOUNT</b>
<b>100</b>	10'-0" <sup>[19]</sup>	<b>0300</b> 3" <sup>[15]</sup>	<b>120</b> 0.120" tubing	<b>TM238</b> 2-3/8" x 4" Round tenon
<b>120</b>	12'-0" <sup>[10]</sup>	<b>0400</b> 4" <sup>[16]</sup>	<b>180</b> 0.180" tubing <sup>[18]</sup>	<b>TM278</b> 2-7/8" x 4" Round tenon
<b>140</b>	14'-0" <sup>[11]</sup>	<b>0450</b> 4.5" <sup>[17]</sup>		<b>TM3</b> 3" x 4" Round tenon
<b>160</b>	16'-0" <sup>[12]</sup>	<b>0500</b> 5" <sup>[17]</sup>		<b>TC</b> Custom Round Tenon <sup>[2]</sup>
<b>180</b>	18'-0" <sup>[13]</sup>			
<b>200</b>	20'-0" <sup>[14]</sup>			
<b>250</b>	25'-0"			
<b>300</b>	30'-0"			
				<b>DRILLED SIDE MOUNT</b>
				<b>SM/S</b> Single 0° <sup>[3]</sup>
				<b>SM/D90</b> Double 90° <sup>[4]</sup>
				<b>SM/D180</b> Double 180° <sup>[5]</sup>
				<b>SM/T90</b> Triple 90° <sup>[6]</sup>
				<b>SM/T120</b> Triple 120° <sup>[7]</sup>
				<b>SM/Q90</b> Quad 90° <sup>[8]</sup>

FINISH <sup>[19]</sup>	ANCHOR BOLTS	OPTIONS
<b>BLK</b> Black <sup>[20]</sup>	<b>AB</b> Anchor bolts <sup>[24]</sup>	<b>FS</b> Festoon box only <sup>[26]</sup>
<b>DBR</b> Medium bronze	<b>LAB</b> Less anchor bolts	
<b>DBZ</b> Dark bronze	<b>PAB</b> Pre-shipped Anchor Bolts <sup>[25]</sup>	
<b>GRAY</b> Standard gray		
<b>GRN</b> Green <sup>[21]</sup>		
<b>SLV</b> Satin aluminum <sup>[22]</sup>		
<b>WHT</b> White <sup>[23]</sup>		
<b>RAL#</b> _____ Specify custom color		

**NOTES**

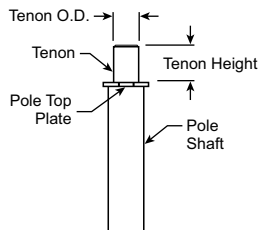
- Designed for pole top tenon or drilled side mount. See page 2 for MOUNTING DETAILS.
- Must specify tenon diameter and height, consult factory.
- Located at 0°.
- Located at 0° and 90°.
- Located at 0° and 180°.
- Located at 0°, 90°, and 180°.
- Located at 0°, 120°, and 240°.
- Located at 0°, 90°, 180°, and 270°.
- 120 wall thickness only.
- 120 wall thickness only.
- 120 wall thickness only.
- 120 wall thickness only.
- 120 wall thickness only.
- 120 wall thickness only.
- 120 wall thickness only.
- Up to 200 height only.
- Up to 250 height only.
- 200 to 300 heights only.
- 250 and 300 heights only.
- See page 2 for FINISH OPTIONS.
- RAL #9004.
- RAL #6005.
- RAL #9006.
- RAL #9003.
- Four L-bolts provided with two hex nuts and two flat washers each, shipped with pole.
- Four L-bolts provided with two hex nuts and two flat washers each.
- Casting only. Outlet, cover and hardware by others.

## FIXTURE DETAILS



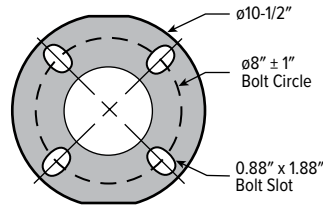
## MOUNTING DETAILS

### POLE TOP MOUNT TYPICAL TENON



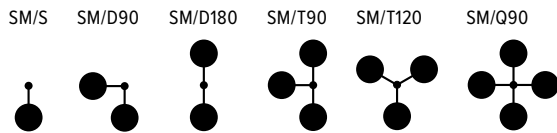
### ANCHORAGE DATA

#### ANCHOR BASE

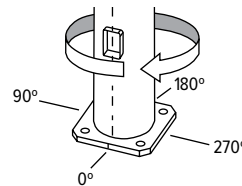
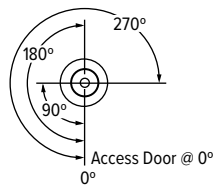


POLE		ANCHOR BASE			ANCHOR BOLTS			
BASE O.D.	WALL THK.	BOLT CIRCLE		DIA.	THK.	DIA. X LENGTH X HOOK	PROJECTION	±
		DIA.	±					
3"	1/8"	8"	1"	10-1/2"	3/4"	3/4" x 17" x 3"	3-1/2"	1/4"
4"	1/8"	8"	1"	10-1/2"	3/4"	3/4" x 17" x 3"	3-1/2"	1/4"
4-1/2"	1/8"	8"	1"	10-1/2"	3/4"	3/4" x 17" x 3"	3-1/2"	1/4"
5"	1/8"	8"	1"	10-1/2"	3/4"	3/4" x 17" x 3"	3-1/2"	1/4"
5"	3/16"	8"	1"	10-1/2"	3/4"	3/4" x 17" x 3"	3-1/2"	1/4"

### DRILLED SIDE MOUNT OPTIONS



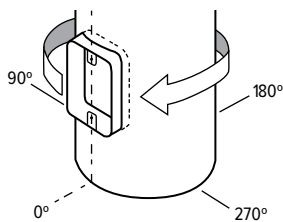
### RADIAL INDEX



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

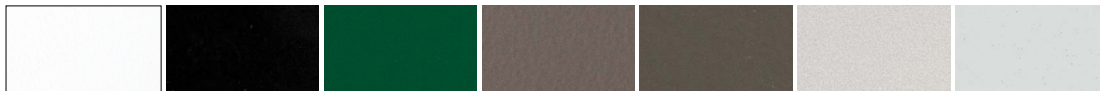
### STEEL FESTOON BOX



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.

## LOAD AND DIMENSIONAL DATA

NOM. MTG. HEIGHT (FT)	CATALOG NUMBER	POLE DIMENSIONS			80 MPH <sup>1</sup>		90 MPH <sup>1</sup>		100 MPH <sup>1</sup>	
		SHAFT O.D. (IN)	WALL THK. (IN)	STRUC. WT (LBS) <sup>2</sup>	MAX. EPA (SQ FT)	MAX. WEIGHT (LBS)	MAX. EPA (SQ FT)	MAX. WEIGHT (LBS)	MAX. EPA (SQ FT)	MAX. WEIGHT (LBS)
10	RSS-100-0300-120	3.0	0.12	55	10.0	250	7.7	190	6.0	175
	RSS-100-0400-120	4.0	0.12	70	19.1	480	15.0	375	12.2	305
	RSS-100-0450-120	4.5	0.12	75	24.5	615	19.5	490	15.8	395
12	RSS-120-0300-120	3.0	0.12	60	7.7	195	5.8	145	4.4	130
	RSS-120-0400-120	4.0	0.12	80	15.0	390	11.8	300	9.5	240
	RSS-120-0450-120	4.5	0.12	85	19.8	495	15.7	395	12.7	320
14	RSS-140-0300-120	3.0	0.12	70	6.0	175	4.4	130	3.3	90
	RSS-140-0400-120	4.0	0.12	90	12.2	305	9.4	250	7.6	195
	RSS-140-0450-120	4.5	0.12	95	16.2	405	12.8	320	10.3	260
16	RSS-160-0300-120	3.0	0.12	80	4.6	125	3.2	100	2.3	60
	RSS-160-0400-120	4.0	0.12	100	9.6	250	7.4	185	5.9	150
	RSS-160-0450-120	4.5	0.12	105	13.1	330	10.2	265	8.2	205
18	RSS-180-0300-120	3.0	0.12	90	3.4	90	2.3	60	1.4	70
	RSS-180-0400-120	4.0	0.12	110	7.6	190	5.7	180	4.5	130
	RSS-180-0450-120	4.5	0.12	115	10.5	265	8.2	210	6.5	165
20	RSS-200-0300-120	3.0	0.12	100	2.4	100	1.4	75	—	—
	RSS-200-0400-120	4.0	0.12	120	6.0	150	4.4	150	3.4	125
	RSS-200-0450-120	4.5	0.12	130	8.5	215	6.6	165	5.2	130
	RSS-200-0500-120	5.0	0.12	145	11.7	300	9.1	230	7.2	180
25	RSS-250-0400-120	4.0	0.12	145	2.8	100	1.9	75	1.3	75
	RSS-250-0450-120	4.5	0.12	155	4.8	130	3.6	90	2.7	90
	RSS-250-0500-120	5.0	0.12	180	7.2	180	5.5	150	4.2	150
	RSS-250-0500-180	5.0	0.18	260	12.1	300	9.4	250	7.4	200
30	RSS-300-0450-120	4.5	0.12	185	2.3	80	1.5	75	1.0	60
	RSS-300-0500-120	5.0	0.12	210	4.2	150	3.0	125	2.2	100
	RSS-300-0500-180	5.0	0.18	305	8.0	200	6.5	160	4.7	125

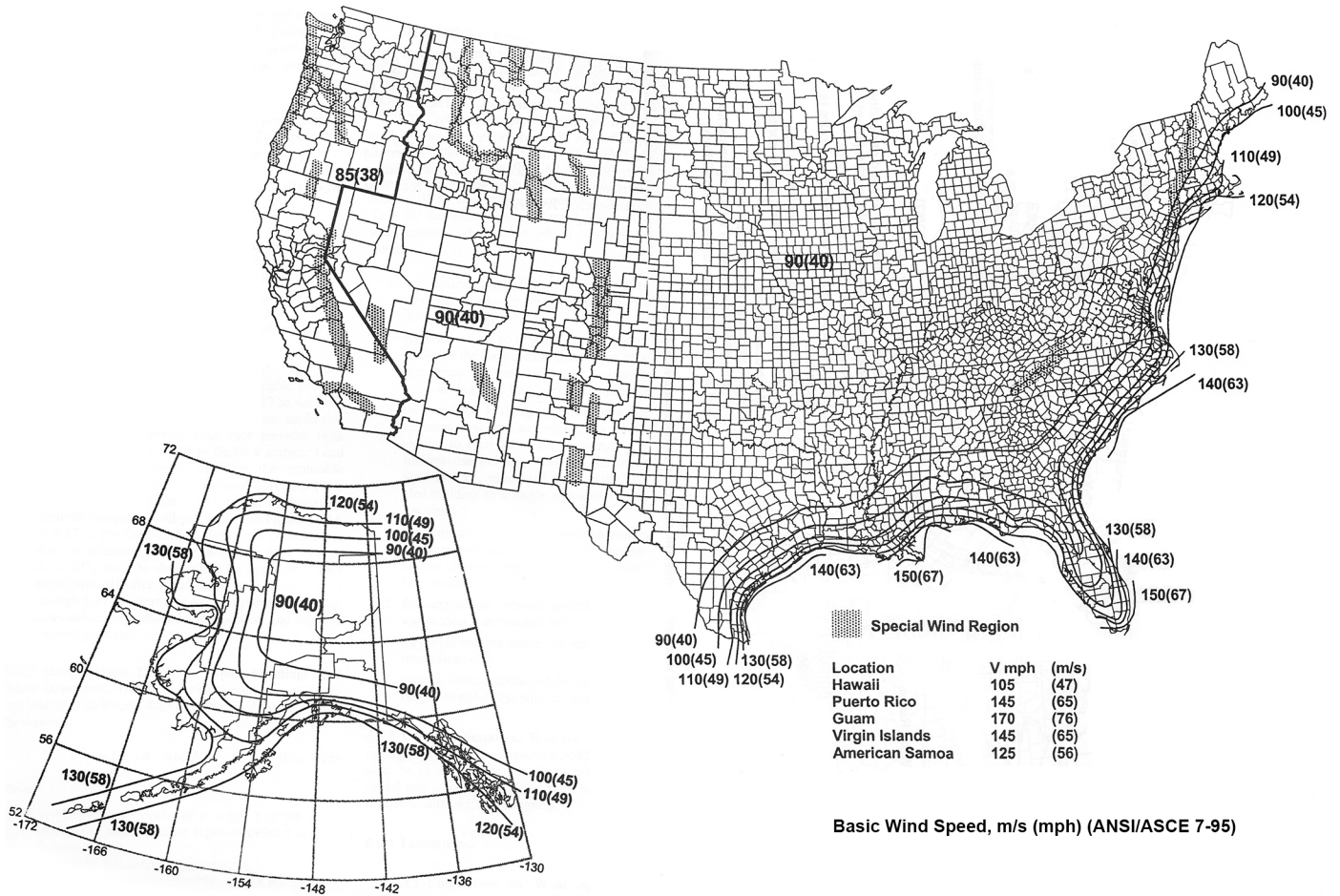
<sup>1</sup> Maximum weight and Effective Projected Area (EPA) values are based on a 1.3 Wind Gust Factor for side mounted fixtures only. Consult manufacturer on loading criteria for pole top mounted luminaires or arm assemblies. Variations from sizes above are available upon inquiry. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. See page 4 for WIND MAP.

<sup>2</sup> Structure weight is a nominal value which includes the pole shaft and base plate only

- 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



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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