EXO
OUTDOOR LIGHTING

RSS-H Series Poles

ROUND STRAIGHT STEEL

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

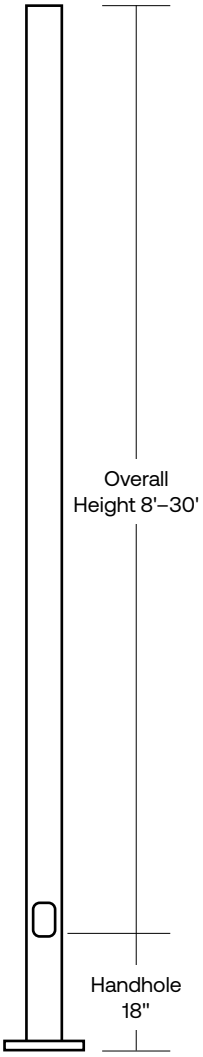
SPECIFICATIONS

CONSTRUCTION

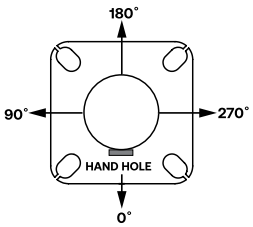
- Shaft: One-piece straight steel with round cross section, Minimum yield of 46,000 psi (ASTM-A500, Grade C); Longitudinal weld seam to appear flush in shaft wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- Base cover: Two-piece square aluminum base cover included standard
- Pole cap: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- Hand hole: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- Anchor bolts: 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
  - Anchor bolt part numbers: 3/4 x 30 x 3 — TAB-30-M38
1 x 36 x 4 — TAB-36-M38
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over “white metal” steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable

INSTALLATION

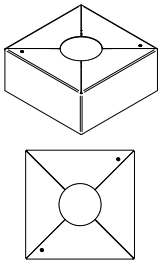
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location



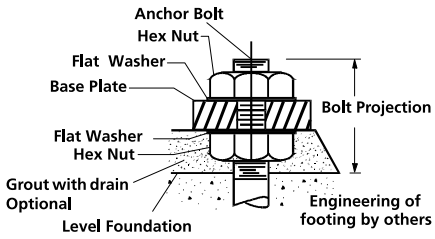
BASE



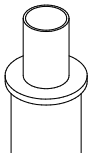
BASE COVER



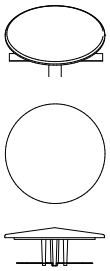
BASE DETAIL



TENON



POLE CAP



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ORDERING INFORMATION

Example: RSS-H–25–50–B–2L–S2–DBT–UL

RSS-H –

Series	Height	Shaft	Thickness	Mounting	Drill Pattern	Color	Options
RSS-H Round Straight Steel Pole EXO	Reference page 3 Ordering matrix	Reference page 3 Ordering matrix	Reference page 3 Ordering matrix A - .125" Wall B - .188" Wall C - .250" Wall	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 3Y Three fixtures at 120° 4 Four fixtures at 90° TA Tenon (2.375" OD) TB Tenon (2.875" OD) TC Tenon (3.5" OD) OT No drilling (includes pole cap)	B1 Cruzer, "AM" arm B3 2 bolt (2-1/2" spacing), Ratio arm; Ratio "A" arm S2 2 bolt (3-1/2" spacing) UDP Universal Drill Pattern	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGT Light Grey Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured **Color Option** CC Custom Color [1]	GFI [2] 20 Amp GFCI Receptacle and Cover EHH [2] Extra Handhole C05 [2] .5" Coupling C07 [2] .75" Coupling C20 [2] 2" Coupling MPB [2] Mid-pole Luminaire Bracket VM2 [3] 2nd mode vibration dampener LAB Less Anchor Bolts UL UL Certified RBC Round Base Cover

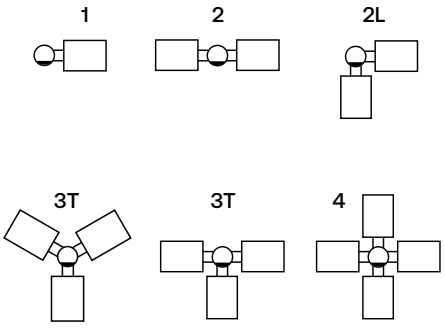
Accessories (Order Separately)

- ☐ **VM2S08** Field-installed 2nd mode vibration dampener - 8 ft
- ☐ **VM2S12** Field-installed 2nd mode vibration dampener - 12 ft
- ☐ **VM2S16** Field-installed 2nd mode vibration dampener - 16 ft
- ☐ **VM2S20** Field-installed 2nd mode vibration dampener - 20 ft
- ☐ **VM2S25** Field-installed 2nd mode vibration dampener - 25 ft

1 Custom colors available; RAL number preferable
2 Specify option location using logic found on page 3 (Option Orientation).
3 There will be a weld witness mark on the side of the pole with the Factory installed VM2

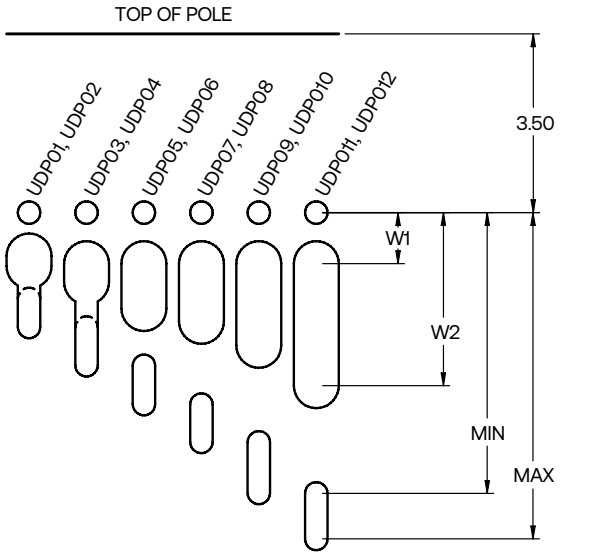
MOUNTING ORIENTATION

○ ◄—— Denotes handhole location



DRILL PATTERNS

UNIVERSAL DRILL PATTERN (UDP)



Two Bolt Mounting with Center Wireway						
Mounting Hardware	Universal Mounting Patterns					
⅜" or less	UDP01	UDP03	UDP05	UDP07	UDP09	UDP011
7/16" to ½"	UDP02	UDP04	UDP06	UDP08	UDP010	UDP012
"Min" Attachment Dimension	1.69	2.25	3.00	3.76	4.50	5.50
"Max" Attachment Dimension	2.24	2.99	3.75	4.49	5.49	6.00
W1 (Wireway min)	0.85	1.00	1.00	1.00	1.00	1.00
W2 (Wireway max)	1.05	1.36	1.88	2.13	2.60	3.00

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ORDERING INFORMATION (CONTINUED)

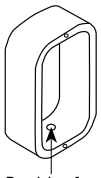
CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT CIRCLE (RANGE)	BASE PLATE SQUARE	BASE PLATE THICKNESS	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT
	FEET	METERS									
RSS-H-10-40-A	10.0	3.0	4" round	0.125"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	52
RSS-H-12-40-A	12.0	3.7	4" round	0.125"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	62
RSS-H-14-40-A	14.0	4.3	4" round	0.125"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	72
RSS-H-16-40-A	16.0	4.9	4" round	0.125"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	83
RSS-H-18-40-A	18.0	5.5	4" round	0.125"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	93
RSS-H-20-40-A	20.0	6.1	4" round	0.125"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	103
RSS-H-10-40-B	10.0	3.0	4" round	0.188"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	77
RSS-H-12-40-B	12.0	3.7	4" round	0.188"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	92
RSS-H-14-40-B	14.0	4.3	4" round	0.188"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	107
RSS-H-16-40-B	16.0	4.9	4" round	0.188"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	122
RSS-H-18-40-B	18.0	5.5	4" round	0.188"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	138
RSS-H-20-40-B	20.0	6.1	4" round	0.188"	9"	7.5" - 10"	9"	0.8	3/4" x 30" x 3"	3.5"	153
RSS-H-10-50-B	10.0	3.0	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	97
RSS-H-12-50-B	12.0	3.7	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	116
RSS-H-14-50-B	14.0	4.3	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	135
RSS-H-16-50-B	16.0	4.9	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	155
RSS-H-18-50-B	18.0	5.5	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	174
RSS-H-20-50-B	20.0	6.1	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	193
RSS-H-25-50-B	25.0	7.6	5" round	0.188"	11"	8.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	242
RSS-H-20-60-C	20.0	6.1	6" round	0.250"	11"	9.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	307
RSS-H-25-60-C	25.0	7.6	6" round	0.250"	11"	9.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	384
RSS-H-30-60-C	30.0	9.1	6" round	0.250"	11"	9.0" - 11"	10.3	1.0	1" x 36" x 4"	4.5"	461.0

Notes:

- 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.
- For more information about pole vibration and vibration dampeners, please consult factory.
- Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion.

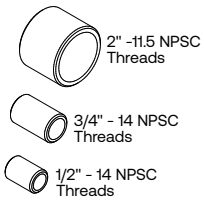
[1] There will be a weld witness mark on the side of the pole with the Factory installed VM2.

EHH
Extra handhole



Provision for Grounding

C05 / C07 / C20
Coupling



VM2[1]
2nd mode vibration dampener

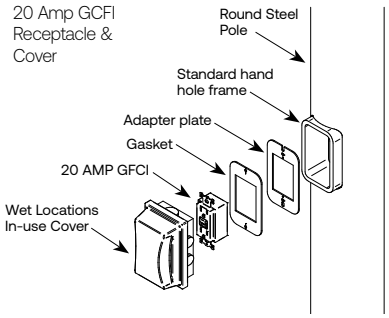
Factory installed, internal dampener designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

VM2SXX
Field-installed 2nd mode vibration dampener

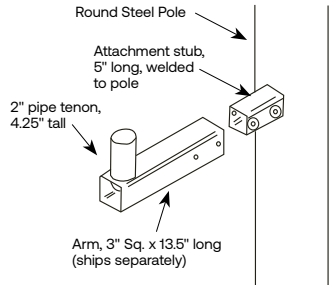
VM2S08 – 8'
VM2S12 – 12'
VM2S16 – 16'
VM2S20 – 20'
VM2S24 – 24'

Field installed, internal dampener designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

GFI
20 Amp GCFI Receptacle & Cover



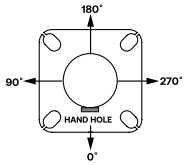
MPB
Mid Pole Bracket

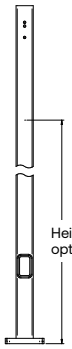


Option Orientation

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet).

Example: Option C05 should be ordered as: RSS-H-20-40-A-TA-DBT-C05-0-15 (.5" coupling on the handhole/arm side of pole, 15' up from the pole base) 1' spacing required between option. Consult factory for other configurations.





EXO OUTDOOR LIGHTING

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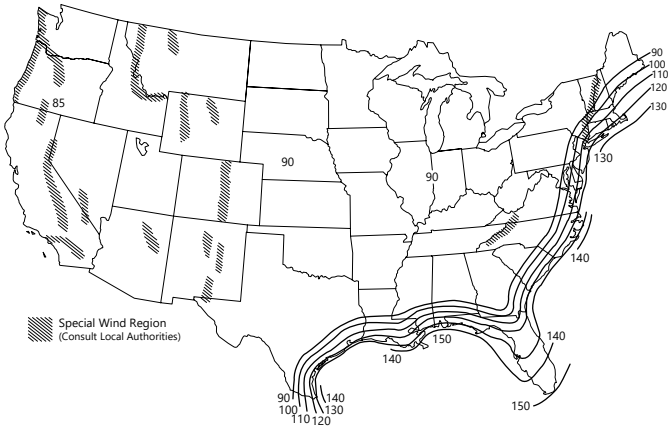
WIND MAPS

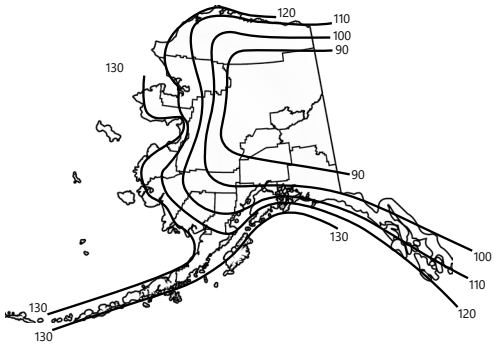
ASCE7-05 WIND MAP



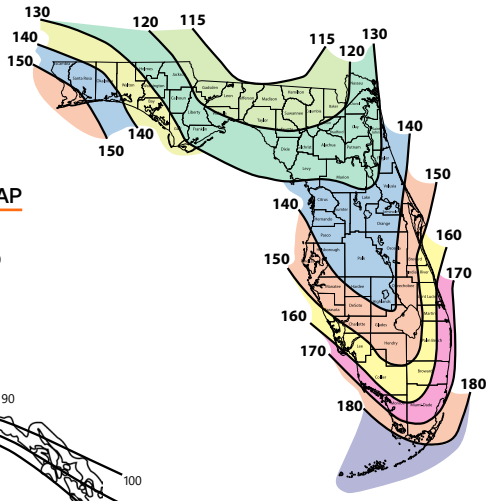
HAWAII – 105 mph
PUERTO RICO – 145 mph

*Printed with permission from ASCE

ALASKA REGION WIND MAP



FLORIDA REGION WIND MAP



Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code.

ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)							
Catalog Number	85	90	100	110	120	105	145
RSS-H-10-40-A	21.0	18.7	15.0	12.2	10.1	13.5	6.8
RSS-H-12-40-A	16.8	14.8	11.8	9.5	7.7	10.5	5.1
RSS-H-14-40-A	13.6	12.0	9.4	7.4	5.9	8.3	3.9
RSS-H-16-40-A	11.1	9.7	7.5	5.8	4.5	6.6	2.9
RSS-H-18-40-A	9.0	7.8	5.8	4.4	3.3	5.1	2.0
RSS-H-20-40-A	7.2	6.2	4.5	3.1	2.2	3.8	1.2
RSS-H-10-40-B	25.0	25.0	22.4	18.4	15.3	20.2	10.4
RSS-H-12-40-B	25.0	22.3	17.9	14.5	12.0	16.1	8.1
RSS-H-14-40-B	20.6	18.3	14.6	11.7	9.6	13.0	6.4
RSS-H-16-40-B	17.2	15.2	12.0	9.5	7.7	10.7	5.1
RSS-H-18-40-B	14.3	12.6	9.8	7.6	6.1	8.6	3.9
RSS-H-20-40-B	11.8	10.3	7.9	6.0	4.7	6.9	2.9
RSS-H-10-50-B	25.0	25.0	25.0	25.0	25.0	25.0	17.7
RSS-H-12-50-B	25.0	25.0	25.0	24.8	20.8	25.0	14.3
RSS-H-14-50-B	25.0	25.0	24.7	20.5	17.2	22.4	11.7
RSS-H-16-50-B	25.0	25.0	20.7	17.1	14.3	18.8	9.7
RSS-H-18-50-B	24.5	21.6	17.3	14.3	11.9	15.7	8.0
RSS-H-20-50-B	20.6	18.1	14.4	11.8	9.8	13.0	6.5
RSS-H-25-50-B	13.6	11.7	9.1	7.3	6.0	8.1	3.8
RSS-H-20-60-C	25.0	25.0	25.0	25.0	21.5	25.0	14.8
RSS-H-25-60-C	25.0	25.0	21.9	18.0	15.0	19.8	10.1
RSS-H-30-60-C	21.8	19.4	15.6	12.7	10.6	14.1	6.9

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
RSS-H-10-40-A	25.0	23.5	20.0	17.0	14.5	12.5	11.0	10.0
RSS-H-12-40-A	21.0	19.0	16.0	13.5	11.5	9.5	9.0	8.0
RSS-H-14-40-A	17.5	15.7	13.0	10.8	9.0	7.5	7.0	6.5
RSS-H-16-40-A	14.2	13.0	10.5	8.5	7.0	5.8	5.0	4.5
RSS-H-18-40-A	11.6	10.4	8.2	6.8	5.4	4.4	4.0	3.6
RSS-H-20-40-A	9.5	8.4	6.5	5.2	4.0	3.0	2.8	2.5
RSS-H-10-40-B	25.0	25.0	25.0	22.0	19.0	16.5	15.2	13.4
RSS-H-12-40-B	25.0	25.0	20.8	17.6	15.1	13.0	12.0	10.6
RSS-H-14-40-B	22.5	20.4	17.2	14.4	12.2	10.4	10.0	8.8
RSS-H-16-40-B	18.9	17.0	14.1	11.7	9.8	8.2	7.5	7.0
RSS-H-18-40-B	15.6	14.1	11.5	9.4	7.7	6.4	6.0	5.7
RSS-H-20-40-B	13.0	11.6	9.3	7.5	6.0	4.8	4.0	3.5
RSS-H-10-50-B	25.0	25.0	25.0	25.0	25.0	23.6	20.8	18.4
RSS-H-12-50-B	25.0	25.0	25.0	25.0	22.2	19.3	16.8	14.8
RSS-H-14-50-B	25.0	25.0	23.9	21.5	18.4	15.9	13.8	12.1
RSS-H-16-50-B	25.0	23.8	19.6	18.0	15.4	13.2	11.4	9.9
RSS-H-18-50-B	21.8	19.6	16.1	15.1	12.8	10.8	9.3	8.0
RSS-H-20-50-B	18.2	16.4	14.1	12.7	10.7	9.0	7.7	6.5
RSS-H-25-50-B	11.7	10.2	9.4	8.4	6.8	5.6	4.5	3.7
RSS-H-20-60-C	25.0	25.0	25.0	22.1	18.8	16.1	13.9	12.0
RSS-H-25-60-C	24.7	22.4	18.4	15.3	12.8	10.8	9.1	7.6
RSS-H-30-60-C	18.2	16.3	13.2	10.7	8.7	7.0	5.7	4.5

RSS-H Series Poles

ROUND STRAIGHT STEEL

DATE:	LOCATION:
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CATALOG #:	

NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- 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
- 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
- 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
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Current Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations.
- 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