

Lighting Column





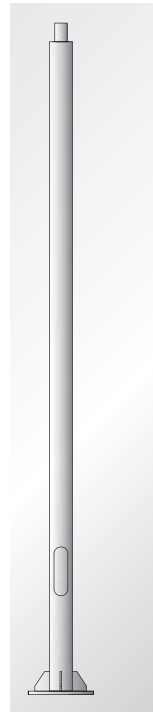
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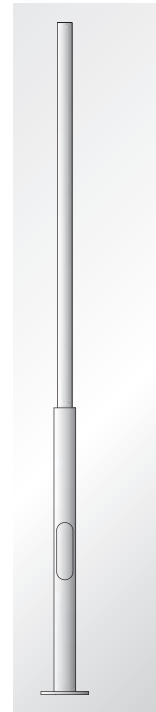
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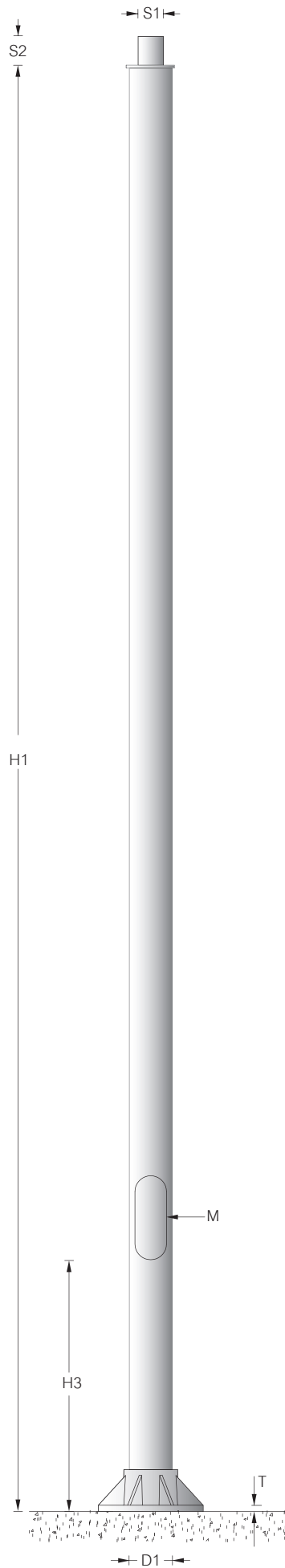


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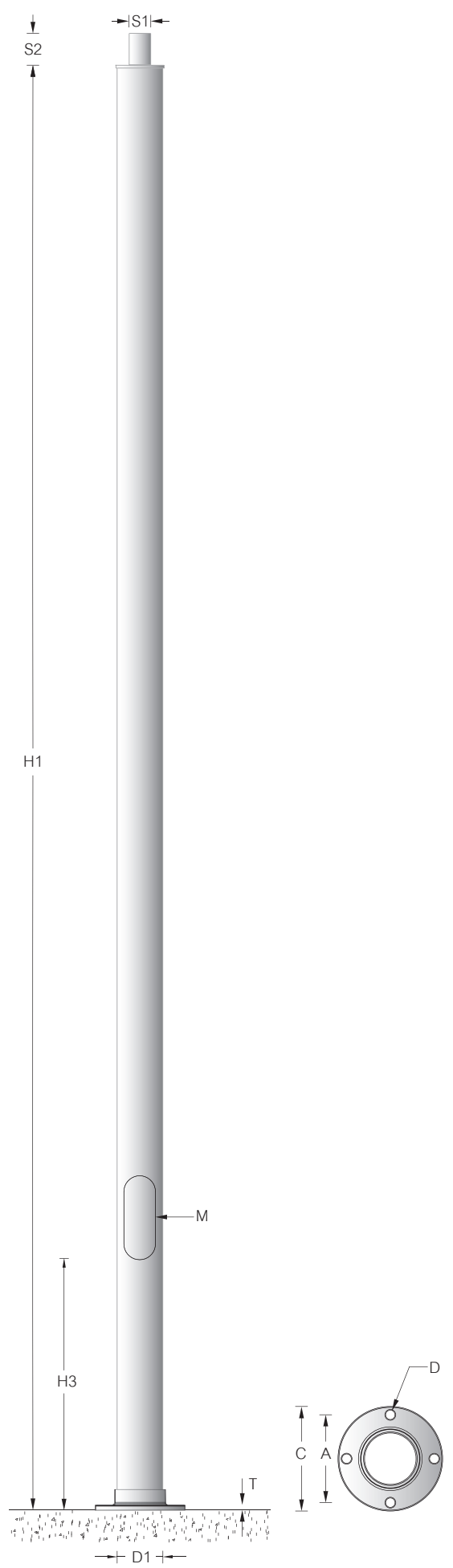


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Straight aluminum poles.



Picture 1



Picture 2

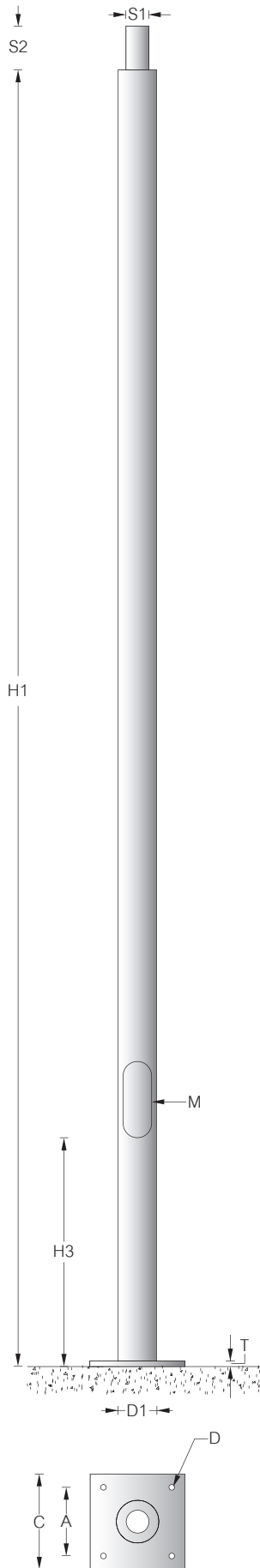
Straight aluminium lighting column with powder coating

Model No.	Detail Pole										Wind speed (mph)					Thickness (in)	Wight (lb)	Picture
											70	80	90	100	110			
	H1	H3	S1	S2	D1	M	A	C	T	D	Maximum EPA (f²)							
APD 120102-SC60	6.5'	2'	2.36"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	15.2	11.5	9	7.2	5.8	0.12	23.1	1
APD 125102-SC60	8'	2'	2.36"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	10.2	7.6	5.9	4.6	3.7	0.12	25.7	1
APD 130102-SC60	10'	2'	2.36"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	7.1	5.2	3.9	3	2.3	0.12	28.6	1
APD 135102-SC60	12'	2'	2.36"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	5	3.5	2.5	1.8	1.3	0.12	31.3	1
APD 140102-SC60	14'	2'	2.36"	3.5"	4"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	3.5	2.3	1.6	1	-	0.12	33.9	1
APD 150102-SC60	16'	2'	2.36"	3.5"	4"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	1.5	-	-	-	-	0.12	39	1
APD 125114-SC60	8'	2'	2.36"	3.5"	4.5"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	17.3	13	10.1	8	6.5	0.14	25.3	1
APD 130114-SC60	10'	2'	2.36"	3.5"	4.5"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	12.2	9.1	7	5.4	4.3	0.14	29.1	1
APD 135114-SC60	12'	2'	2.36"	3.5"	4.5"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	8.9	6.5	4.8	3.7	2.8	0.14	32.8	1
APD 140114-SC60	14'	2'	2.36"	3.5"	4.5"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	6.5	4.6	3.3	2.4	1.7	0.14	36.3	1
APD 150114-SC60	16'	2'	2.36"	3.5"	4.5"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	3.4	2.1	1.3	-	-	0.14	43.6	1
APD 130127-SC60	10'	2'	2.36"	3.5"	5"	2.9"x7.8"	8.27"	9.84"	0.59"	0.8"	22.8	17.2	13.3	10.6	8.4	0.18	37.9	2
APD 135127-SC60	12'	2'	2.36"	3.5"	5"	2.9"x7.8"	8.27"	9.84"	0.59"	0.8"	16.9	12.6	9.7	7.5	6	0.18	43.4	2
APD 140127-SC60	14'	2'	2.36"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	12.7	9.4	7	5.4	4.2	0.18	48.9	2
APD 150127-SC60	16'	2'	2.36"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	7.5	5.2	3.6	2.5	1.7	0.18	59.9	2
APD 155127-SC60	18'	2'	2.36"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	5.6	3.8	2.5	1.4	-	0.18	65.4	2
APD 160127-SC60	20'	2'	2.36"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	4.2	2.6	1.4	-	-	0.18	70.7	2
APD 140140-SC60	14'	2'	2.36"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	9	6.5	4.7	3.5	2.5	0.10	30.8	2
APD 150140-SC60	16'	2'	2.36"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	4.8	3	2	1	-	0.10	37.2	2
APD 155140-SC60	18'	2'	2.36"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	3.4	2	-	-	-	0.10	40.5	2
APD 160140-SC60	20'	2'	2.36"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	2.2	-	-	-	-	0.10	43.8	2
APD 150160-SC60	16'	2'	2.36"	3.5"	6.3"	3.5"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	11	8	5.6	4.2	2.9	0.15	60.6	2
APD 155160-SC60	18'	2'	2.36"	3.5"	6.3"	3.5"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	8.7	6	4	2.8	1.8	0.15	66.1	2
APD 160160-SC60	20'	2'	2.36"	3.5"	6.3"	3.5"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	6.7	4.2	2.7	1.5	-	0.15	71.6	2
APD 120102-SC76	6.5'	2'	2.36"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	15.2	11.5	9	7.2	5.8	0.12	23.1	1
APD 125102-SC76	8'	2'	2.99"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	10.2	7.6	5.9	4.6	3.7	0.12	25.7	1
APD 130102-SC76	10'	2'	2.99"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	7.1	5.2	3.9	3	2.3	0.12	28.6	1
APD 135102-SC76	12'	2'	2.99"	3.5"	4"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	5	3.5	2.5	1.8	1.3	0.12	31.3	1
APD 140102-SC76	14'	2'	2.99"	3.5"	4"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	3.5	2.3	1.6	1	-	0.12	33.9	1
APD 150102-SC76	16'	2'	2.99"	3.5"	4"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	1.5	-	-	-	-	0.12	39	1
APD 125114-SC76	8'	2'	2.99"	3.5"	4.5"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	17.3	13	10.1	8	6.5	0.14	25.3	1
APD 130114-SC76	10'	2'	2.99"	3.5"	4.5"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	12.2	9.1	7	5.4	4.3	0.14	29.1	1
APD 135114-SC76	12'	2'	2.99"	3.5"	4.5"	2.9"x7.8"	6.57"	10"	0.59"	0.8"x1.9"	8.9	6.5	4.8	3.7	2.8	0.14	32.8	1
APD 140114-SC76	14'	2'	2.99"	3.5"	4.5"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	6.5	4.6	3.3	2.4	1.7	0.14	36.3	1
APD 150114-SC76	16'	2'	2.99"	3.5"	4.5"	3.3"x11.8"	6.57"	10"	0.59"	0.8"x1.9"	3.4	2.1	1.3	-	-	0.14	43.6	1
APD 130127-SC76	10'	2'	2.99"	3.5"	5"	2.9"x7.8"	8.27"	9.84"	0.59"	0.8"	22.8	17.2	13.3	10.6	8.4	0.18	37.9	2
APD 135127-SC76	12'	2'	2.99"	3.5"	5"	2.9"x7.8"	8.27"	9.84"	0.59"	0.8"	16.9	12.6	9.7	7.5	6	0.18	43.4	2
APD 140127-SC76	14'	2'	2.99"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	12.7	9.4	7	5.4	4.2	0.18	48.9	2
APD 150127-SC76	16'	2'	2.99"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	7.5	5.2	3.6	2.5	1.7	0.18	59.9	2
APD 155127-SC76	18'	2'	2.99"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	5.6	3.8	2.5	1.4	-	0.18	65.4	2
APD 160127-SC76	20'	2'	2.99"	3.5"	5"	3.3"x11.8"	8.27"	9.84"	0.59"	0.8"	4.2	2.6	1.4	-	-	0.18	70.7	2
APD 140140-SC76	14'	2'	2.99"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	9	6.5	4.7	3.5	2.5	0.10	30.8	2
APD 150140-SC76	16'	2'	2.99"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	4.8	3	2	1	-	0.10	37.2	2
APD 155140-SC76	18'	2'	2.99"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	3.4	2	-	-	-	0.10	40.5	2
APD 160140-SC76	20'	2'	2.99"	3.5"	5.5"	3.3"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	2.2	-	-	-	-	0.10	43.8	2
APD 150160-SC76	16'	2'	2.99"	3.5"	6.3"	3.5"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	11	8	5.6	4.2	2.9	0.15	60.6	2
APD 155160-SC76	18'	2'	2.99"	3.5"	6.3"	3.5"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	8.7	6	4	2.8	1.8	0.15	66.1	2
APD 160160-SC76	20'	2'	2.99"	3.5"	6.3"	3.5"x11.8"	9.45"	11.8"	0.59"	0.8"x1.4"	6.7	4.2	2.7	1.5	-	0.15	71.6	2

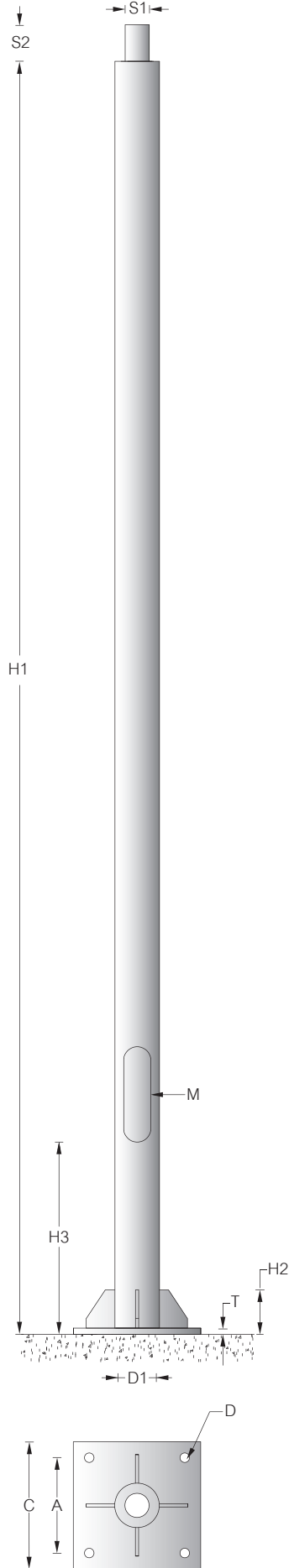
NOTES:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated plus 30% gust factor. EPA's are calculated assuming 25 lbs. per square foot of EPA to a maximum of 100 lbs. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight reduces the maximum EPA.

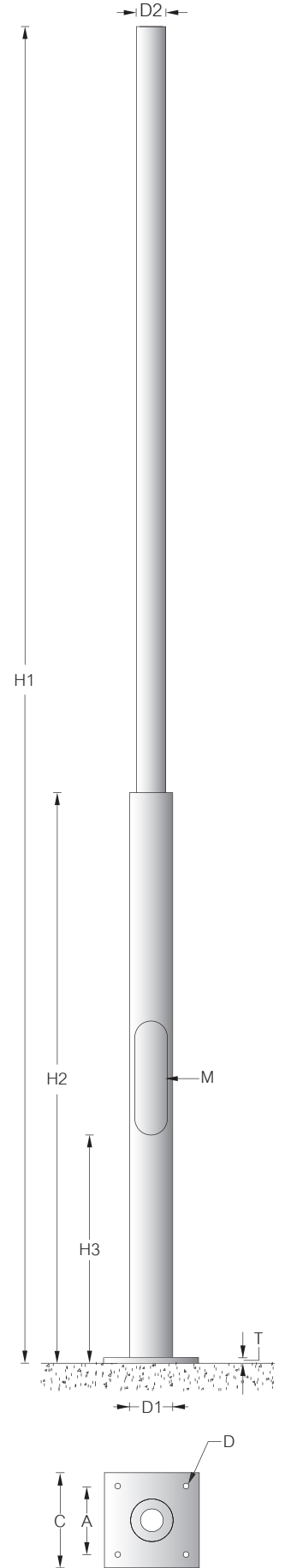
Straight steel poles.



Picture 1



Picture 2



Picture 3

Galvanized steel lighting column with powder coating

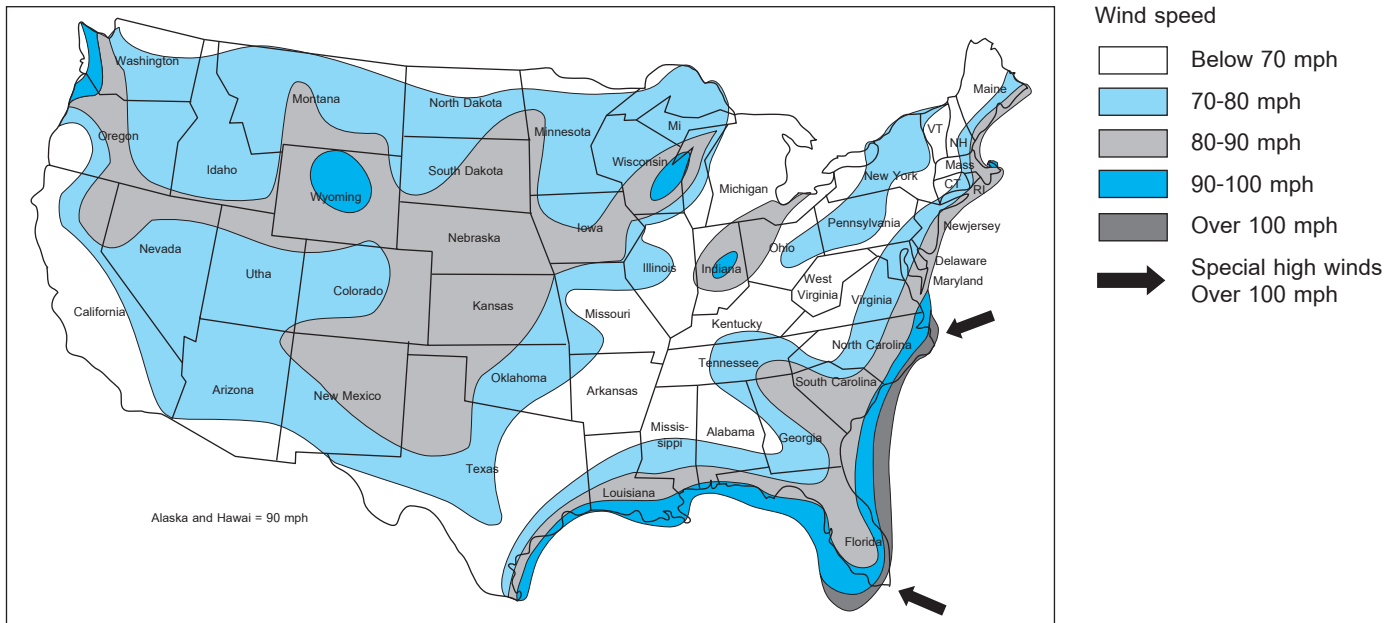
Model No.	Detail Pole												Wind speed (mph)					Thickness (in)	Wight (lb)	Picture
													70	80	90	100	110			
	H1	H2	H3	S1	S2	D1	D2	M	A	C	T	D	Maximum EPA (f ²)							
SPD 120114-SC60	6.5'	-	23.6"	2.36"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	50.2	38.2	30	24.1	19.7	0.125	49.6	1
SPD 125114-SC60	8'	-	23.6"	2.36"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	39.5	30.1	23.6	19	15.6	0.125	57.3	1
SPD 130114-SC60	10'	-	23.6"	2.36"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	29.5	22.3	17.5	14	11.4	0.125	65	1
SPD 135114-SC60	12'	-	23.6"	2.36"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	22.6	17.1	13.2	10.5	8.5	0.125	72.7	1
SPD 140114-SC60	14'	-	23.6"	2.36"	4.5"	4.5"	-	3.3"x1.18"	7"	9.8"	0.6"	0.86"	17.7	13.2	10.2	8	6.4	0.125	87	1
SPD 145114-SC60	15'	-	23.6"	2.36"	4.5"	4.5"	-	3.3"x1.18"	7"	9.8"	0.6"	0.86"	14.1	10.4	7.9	6.1	4.8	0.125	97	1
SPD 120114-SC76	6.5'	-	23.6"	2.99"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	50.2	38.2	30	24.1	19.7	0.125	49.6	1
SPD 125114-SC76	8'	-	23.6"	2.99"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	39.5	30.1	23.6	19	15.6	0.125	57.3	1
SPD 130114-SC76	10'	-	23.6"	2.99"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	29.5	22.3	17.5	14	11.4	0.125	65	1
SPD 135114-SC76	12'	-	23.6"	2.99"	3.5"	4.5"	-	2.9"x7.8"	7"	9.8"	0.6"	0.86"	22.6	17.1	13.2	10.5	8.5	0.125	72.7	1
SPD 140114-SC76	14'	-	23.6"	2.99"	4.5"	4.5"	-	3.3"x1.18"	7"	9.8"	0.6"	0.86"	17.7	13.2	10.2	8	6.4	0.125	87	1
SPD 145114-SC76	15'	-	23.6"	2.99"	4.5"	4.5"	-	3.3"x1.18"	7"	9.8"	0.6"	0.86"	14.1	10.4	7.9	6.1	4.8	0.125	97	1
SPD 150114-SC76	16'	-	23.6"	2.99"	4.5"	4.5"	-	3.3"x1.18"	11.8"	15.7"	0.78"	1.18"	11.3	8.2	6.1	4.6	3.5	0.125	141.1	1
SPD 160114-SC76	20'	-	23.6"	2.99"	4.5"	4.5"	-	3.3"x1.18"	11.8"	15.7"	0.78"	1.18"	7.3	5	3.5	2.4	1.6	0.125	157.6	1
SPD 170140	23'	0.4'	23.6"	2.99"	4.5"	5.5"	-	3.3"x1.18"	11.8"	15.7"	0.78"	1.18"	10.1	7	4.8	3.3	2.2	0.125	207.2	2
SPD 180140	26'	0.4'	23.6"	2.99"	4.5"	5.5"	-	3.3"x1.18"	11.8"	15.7"	0.78"	1.18"	6.7	4.2	2.5	1.3	-	0.125	224.8	2
SPD 240114	14'	4.9'	23.6"	-	-	4.5"	2.99"	3.3"x1.18"	7"	9.8"	0.6"	0.86"	7.1	5.4	4.2	3.4	2.8	0.125	83.7	3
SPD 245114	15'	4.9'	23.6"	-	-	4.5"	2.99"	3.3"x1.18"	7"	9.8"	0.6"	0.86"	5.1	3.9	3.1	2.5	2	0.125	89.2	3
SPD 250114	16'	6.5'	23.6"	-	-	4.5"	2.99"	3.3"x1.18"	7"	9.8"	0.78"	1.18"	5.1	3.9	3.1	2.5	2	0.125	136.6	3
SPD 260114	20'	6.5'	23.6"	-	-	4.5"	2.99"	3.3"x1.18"	11.8"	15.7"	0.78"	1.18"	3.1	2.3	1.8	1.5	1.2	0.125	148.8	3

NOTES:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated plus 30% gust factor. EPA's are calculated assuming 25 lbs. per square foot of EPA to a maximum of 100 lbs. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight reduces the maximum EPA.

Wind Velocity Map

The wind map is intended for general guidelines only. Consult your local Authority Having Jurisdiction (AHJ) and municipal engineering standards to determine the exact wind loading requirements for your application.



EPA Example Calculation

Existing Pole: Model No. SPD 140114 Height 14ft Diameter 4.5in Steel Pole

Pole EPA Rating = [70 mph, 19.1], [80 mph, 14.2], [90 mph, 10.9], [100 mph, 8.6], [110 mph, 6.8]

Proposed Fixtures: (2) luminaire fixtures with an EPA of 2.5 and (2) arms with an EPA of 0.3

Calculation: $[2 \times 2.5] + [2 \times 0.3] = 5.6 < 6.8$

This configuration is suitable for wind zones up to 110 mph.