

Conical

Round Conical

Description and Specification

Aluminium lighting columns are manufactured using an extruding process then spun to form conical sections into which door openings and cable entry slots are cut. The columns are heat-treated by annealing in an oven and an anti-corrosion root treatment is applied resulting in a true seamless lightweight lighting structure. Columns are manufactured from AL6060-T5 with a naturally decorative brushed surface finishing to 120GR.

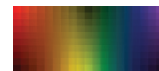
Conical aluminium lighting columns are available in mounting heights from 4-12 metres. These columns can be used for post top applications or supplied with demountable or integral bracket arm arrangements. Valmont operates a Quality Assurance system which complies with requirements of BS EN ISO 9001. Our welders and welding procedures are independently certified in accordance with EN ISO 9606 and EN ISO 15607.



Aluminium

Finishing Options

As a standard, Valmont aluminium columns are brushed to a satin finish. Valmont offers several decorative finishing options including anodization, spectro-colouring, polyester power coating, wet painting, and sublimation. For more information contact your local Valmont representative.



RAL and AkzoNoble colour systems are available upon request.

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Planted Root Dimensions

Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Root (mm)	Mounting Arrangement	Projection (m)
4	76	150	500	100	500	800	PT	0
5	76	150	500	100	500	800	PT	0
6	76	150	500	100	500	1000	PT	0
8	76	165	600	115	500	1200	PT	0
10	76	200	600	115	500	1500	PT	0
12	76	200	600	115	500	1700	PT	0

Headload Capacity

Height (m)	Mounting Type	Projection (mm)	Mass (kg)	Wind Speeds												M (kNm)	T (kN)	Foundation Size (m)	Concrete Ø (mm)						
				22m/s		24m/s		26m/s		28m/s		30m/s		32m/s						34m/s 36m/s					
				CAT		CAT		CAT		CAT		CAT		CAT		CAT									
				II	I	II	I	III	II	I	III	II	I	III	II	I	III	II	I	III	II	I			
4	PT	0	15	0.78	0.61	0.64	0.49	0.59	0.53	0.41	0.49	0.44	0.35	0.42	0.38	0.30	0.37	0.33	0.25	0.22	0.19	3.32	1.12	0.4 x 0.5	402
4	PT	0	30	0.72	0.56	0.59	0.45	0.54	0.48	0.38	0.45	0.41	0.32	0.39	0.35	0.27	0.34	0.3	0.23	0.2	0.17	3.305	1.111	0.4 x 0.5	400
5	PT	0	15	0.69	0.53	0.55	0.42	0.55	0.44	0.35	0.45	0.38	0.29	0.38	0.31	0.24	0.33	0.27	0.20	0.17	0.15	4.26	1.25	0.4 x 0.6	503
5	PT	0	30	0.62	0.48	0.5	0.39	0.49	0.41	0.31	0.41	0.34	0.26	0.34	0.28	0.21	0.29	0.24	0.18	0.15	0.13	4.237	1.256	0.4 x 0.6	501
6	PT	0	15	0.43	0.33	0.34	0.25	0.36	0.26	0.19	0.28	0.20	0.15	0.23	0.16	0.12	0.18	0.13	0.09	0.08	0.06	4.47	1.21	0.4 x 0.6	519
6	PT	0	30	0.38	0.28	0.29	0.21	0.31	0.22	0.16	0.24	0.17	0.12	0.19	0.13	0.09	0.15	0.11	0.07	0.06	0.04	4.48	1.235	0.4 x 0.6	520
8	PT	0	15	0.24	0.16	0.16	0.10	0.20	0.11	0.06	0.14	0.07	0.04	0.10	0.04	0.02	0.07	0.02	0.00	0.00	0.00	5.90	1.42	0.4 x 0.7	349
8	PT	0	30	0.19	0.12	0.12	0.07	0.16	0.07	0.03	0.1	0.04	0.01	0.06	0.02	0	0.04	0	0	0	0	5.781	1.295	0.4 x 0.7	342
10	PT	0	15	0.65	0.50	0.50	0.40	0.59	0.40	0.32	0.47	0.32	0.25	0.39	0.26	0.19	0.32	0.21	0.15	0.11	0.08	13.46	2.47	0.5 x 0.9	459
10	PT	0	30	0.57	0.44	0.44	0.35	0.52	0.35	0.27	0.41	0.28	0.21	0.34	0.22	0.16	0.27	0.17	0.12	0.08	0.05	13.281	2.51	0.5 x 1	453
12	PT	0	15	0.27	0.18	0.18	0.11	0.23	0.11	0.07	0.15	0.07	0.03	0.10	0.03	0.00	0.06	0.01	0.00	0.00	0.00	13.08	2.08	0.5 x 0.9	229
12	PT	0	30	0.21	0.13	0.12	0.07	0.17	0.07	0.03	0.11	0.03	0	0.06	0	0	0.02	0	0	0	0	12.997	1.994	0.5 x 0.9	228

All dimensions and technical information given as an indication. Valmont reserves the right to make, without delay and without prior notice, the technical or aesthetic modifications that it deems necessary to improve the products of the Standard Collection.

* Mounting Arrangement Abbreviations: PT = Post Top, SA = Single Arm, DA = Double Arm, TA = Triple Arm, QA = Quad Arm, FL = Floodlight, SE = Side Entry, CB = Crossbar, CR = Crown, PF = Platform, OT = Other
 * Speeds given are basic 10 minute mean wind speeds in 2m/s increments, if national wind speeds lie between these figures please interpret using linear interpolation.

* **M** = Bending moment at baseplate, **T** = Shear force at baseplate.