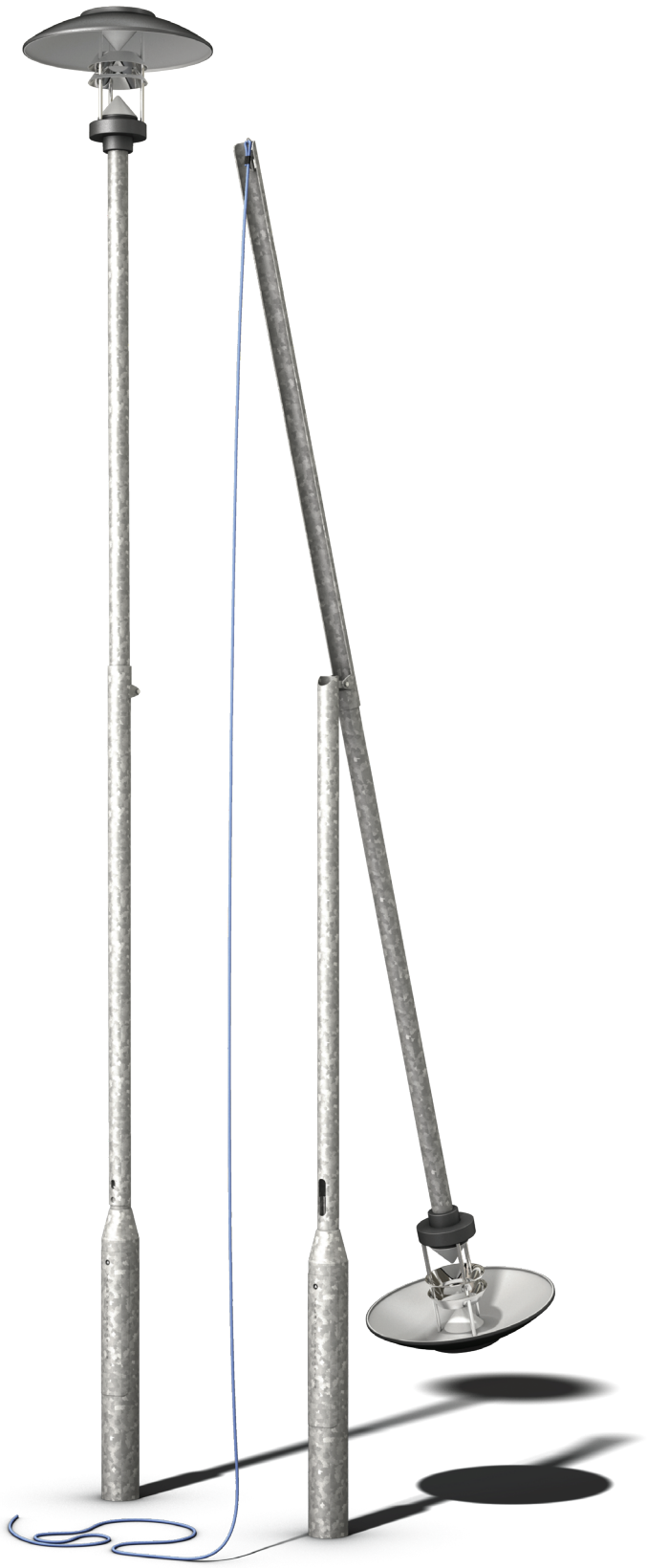

Trent

Mid-Hinged Tubular

Description and Specification

A mid-hinged tubular lighting column which is designed with simplicity in mind. Raising and lowering the column is a one man see-saw operation which requires no special tools.

Column heights range from 4-12 metres. They can be used for post top applications or supplied with demountable bracket arm arrangements. The columns are equipped with a unique triple-locking device to prevent accidental lowering of the column. The standard corrosion protection system is hot dip galvanised to BS EN 1461. In addition, a variety of root treatments and full paint specification options are available. Valmont Structures 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

 Galvanized Steel

Finishing Options

As a standard, Valmont steel columns are galvanized to extend product longevity. Valmont offers several decorative finishing options including 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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Trent *Mid-Hinged Tubular*

Planted Root Dimensions

Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Root (mm)	Mounting Arrangement	Projection (m)
4	76.1	139.7	500	100	400	800	PT/SA/DA	0.5
5	76.1	139.7	500	100	400	800	PT/SA/DA	0.5
6	76.1	139.7	500	100	400	1000	PT/SA/DA	0.5
8	88.9	168.3	600	115	400	1200	PT/SA/DA	0.5
10	114.3	168.3	600	115	400	1500	PT/SA/DA	0.5
12	139.7	193.7	600	115	400	1700	PT/SA/DA	0.5

Flange Plated Dimensions

Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Mounting Arrangement	Projection (m)	Width (mm)	Bolt Circle (mm)	Anchor Bolts
4	76.1	139.7	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
5	76.1	139.7	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
6	76.1	139.7	500	100	400	PT/SA/DA	0.5	260	200	M18 x 400
8	88.9	168.3	600	115	400	PT/SA/DA	0.5	420	300	M24 x 820
10	114.3	168.3	600	115	400	PT/SA/DA	0.5	420	300	M24 x 820
12	139.7	193.7	600	115	400	PT/SA/DA	0.5	420	300	M24 x 820

Headload Capacity

Height (m)	Mounting Type	Projection (mm)	Mass (kg)	22m/s		24m/s		26m/s			28m/s			30m/s			32m/s			34m/s	36m/s	M (kNm)	T (kN)	Foundation Size (m)	Concrete Ø (mm)
				CAT		CAT		CAT			CAT			CAT			CAT			CAT	CAT				
				II	I	II	I	III	II	I	III	II	I	III	II	I	III	II	I	I	I				
4	PT	0	15	1.1	0.86	0.9	0.71	0.84	0.76	0.58	0.71	0.63	0.49	0.6	0.53	0.41	0.51	0.46	0.36	0.31	0.27	3.96	1.30	0.4 x 0.6	480
5	PT	0	15	0.67	0.52	0..53	0.41	0.53	0.43	0.33	0.43	0.36	0.27	0.36	0.29	0.22	0.3	0.24	0.18	0.15	0.12	4.03	1.19	0.4 x 0.6	476
6	PT	0	15	0.56	0.42	0.43	0.33	0.46	0.35	0.25	0.37	0.27	0.19	0.29	0.21	0.15	0.23	0.17	0.12	0.09	0.07	4.98	1.37	0.4 x 0.6	303
8	PT	0	15	0.35	0.23	0.24	0.16	0.29	0.17	0.1	0.21	0.11	0.06	0.15	0.07	0.03	0.1	0.04	0.01	0	0	7.09	1.62	0.4 x 0.8	247
10	PT	0	15	0.41	0.3	0.3	0.21	0.36	0.22	0.15	0.27	0.16	0.11	0.2	0.12	0.09	0.16	0.1	0.08	0.05	0.02	11.76	2.15	0.5 x 0.9	209
12	PT	0	15	0.5	0.4	0.4	0.32	0.44	0.32	0.27	0..37	0.27	0.18	0.3	0.2	0.1	0.25	0.12	0.03	0	0	19.60	3.78	0.6 x 1.2	239

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, 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.

valmontstructures.eu carries the most current spec information and supersedes these guidelines.
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