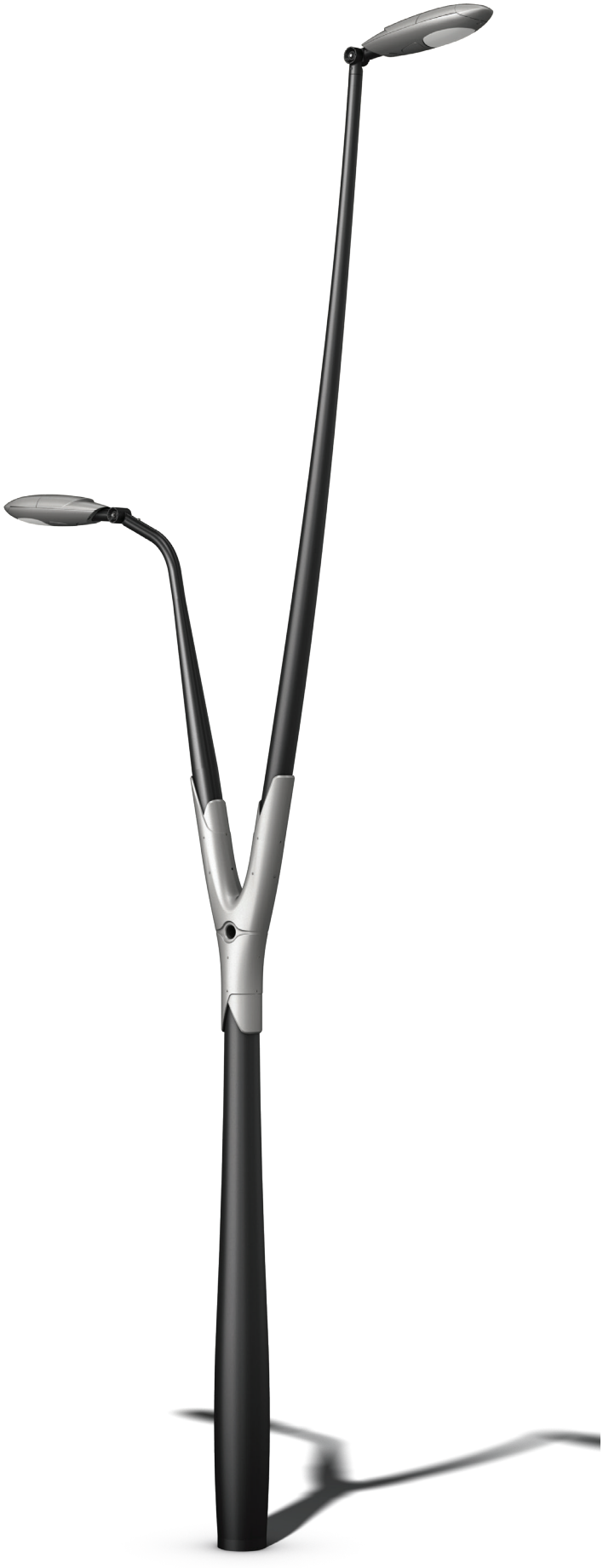

Sillem

Modular Aluminium Range

Description and Specification

Inspired by nature and more particularly by trees, Sillem offers a modular design structured around 3 Branches, 1 Knot, and 1 Trunk. In combination, these 5 components yield 15 unique designs! This modular approach makes it possible to optimise the product with regards to the geometric variations of the spaces to be developed. You are able to choose the most appropriate shape to fit the exact needs of the location, whilst maintaining continuity of line throughout the project.

Modular aluminium lighting columns are available in mounting heights from 4.6 to 9.5 metres. The Sillem range is 100% Aluminium, 30% of which is recycled material. The Branches and Trunk are 6060T5 Brushed Aluminium. The Knot is AlSi7Mg Aluminium alloy. 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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Sillem *Modular Aluminium Range*

Planted Root Dimensions

Mast	Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Root (mm)	Mounting Arrangement	Projection (m)
A	4.6/4.6	60	220	500	130	500	800	DA	.78/.78
B	6.5/4.6	60	220	500	130	500	1000	DA	.675/.78
C	6.5/4.6	60	220	500	130	500	1000	DA	1.16/.78
D	6.5/6.5	60	220	500	130	500	1000	DA	.675/.675
E	6.4/6.5	60	220	500	130	500	1000	DA	1.16/.75
F	6.4/6.4	60	220	500	130	500	1000	DA	1.16/1.16
G	9.5/4.6	60	220	500	130	500	1500	DA	.725/.78
H	9.2/4.6	60	220	500	130	500	1500	DA	2.38/.78
I	9.5/6.5	60	220	500	130	500	1500	DA	.725/.675
J	9.5/6.4	60	220	500	130	500	1500	DA	.725/1.16
K	9.2/6.4	60	220	500	130	500	1500	DA	2.38/1.16
L	9.2/6.5	60	220	500	130	500	1500	DA	2.38/.78
M	9.2/9.2	60	220	500	130	500	1500	DA	2.38/2.38
N	9.5/9.5	60	220	500	130	500	1500	DA	.725/.725
O	9.2/9.5	60	220	500	130	500	1500	DA	2.38/.725

Flange Plated Dimensions

Mast	Height (m)	Top (mm)	Base (mm)	Height (mm)	Width (mm)	Position (mm)	Mounting Arrangement	Projection (m)	Width (mm)	Bolt Circle (mm)	Anchor Bolts
A	4.6/4.6	60	191	500	130	500	DA	.78/.78	400	300	M18/20x400
B	6.5/4.6	60	191	500	130	500	DA	.675/.78	400	300	M18/20x400
C	6.5/4.6	60	191	500	130	500	DA	1.16/.78	400	300	M18/20x400
D	6.5/6.5	60	191	500	130	500	DA	.675/.675	400	300	M18/20x400
E	6.4/6.5	60	191	500	130	500	DA	1.16/.75	400	300	M18/20x400
F	6.4/6.4	60	191	500	130	500	DA	1.16/1.16	400	300	M18/20x400
G	9.5/4.6	60	191	500	130	500	DA	.725/.78	400	300	M18/20x400
H	9.2/4.6	60	191	500	130	500	DA	2.38/.78	400	300	M18/20x400
I	9.5/6.5	60	191	500	130	500	DA	.725/.675	400	300	M18/20x400
J	9.5/6.4	60	191	500	130	500	DA	.725/1.16	400	300	M18/20x400
K	9.2/6.4	60	191	500	130	500	DA	2.38/1.16	400	300	M18/20x400
L	9.2/6.5	60	191	500	130	500	DA	2.38/.78	400	300	M18/20x400
M	9.2/9.2	60	191	500	130	500	DA	2.38/2.38	400	200	M18/20x400
N	9.5/9.5	60	191	500	130	500	DA	.725/.725	400	300	M18/20x400
O	9.2/9.5	60	191	500	130	500	DA	2.38/.725	400	300	M18/20x400

Headload Capacity

Height (m)	Mounting Type	Projection (mm)	Mass (kg)	22m/s CAT II	22m/s CAT I	24m/s CAT II	24m/s CAT I	26m/s CAT III	26m/s CAT II	26m/s CAT I	28m/s CAT III	28m/s CAT II	28m/s CAT I	30m/s CAT III	30m/s CAT II	30m/s CAT I	32m/s CAT III	32m/s CAT II	32m/s CAT I	34m/s CAT I	36m/s CAT I	M (kNm)	T (kN)	Foundation Size (m)	Concrete Ø (mm)
4.6/4.6	DA	.78/.78	30	1.79	1.45	1.49	1.20	1.44	1.25	1.01	1.23	1.06	0.85	1.05	0.91	0.73	0.91	0.79	0.63	0.55	0.47	18.30	4.78	0.6 x 1.2	2187
6.5/4.6	DA	.675/.78	30	1.38	1.11	1.13	0.91	1.17	0.94	0.76	0.98	0.80	0.64	0.83	0.68	0.54	0.72	0.58	0.46	0.40	0.34	18.19	4.17	0.6 x 1.1	1105
6.5/4.6	DA	1.16/.78	30	1.48	1.18	1.22	0.96	1.28	1.01	0.81	1.08	0.84	0.68	0.92	0.72	0.57	0.80	0.62	0.49	0.42	0.36	16.08	3.44	0.6 x 1	977
6.5/6.5	DA	.675/.675	30	1.35	1.07	1.10	0.87	1.18	0.91	0.72	0.98	0.76	0.60	0.83	0.64	0.51	0.72	0.55	0.43	0.38	0.31	18.06	3.67	0.6 x 1.1	1097
6.4/6.5	DA	1.16/.75	30	1.22	0.96	0.99	0.79	1.06	0.82	0.65	0.88	0.68	0.54	0.75	0.58	0.45	0.64	0.49	0.40	0.34	0.28	16.95	3.59	0.6 x 1.1	1030
6.4/6.4	DA	1.16/1.16	30	1.35	1.07	1.10	0.87	1.18	0.91	0.72	0.98	0.76	0.60	0.83	0.64	0.51	0.72	0.55	0.44	0.38	0.31	18.09	3.62	0.6 x 1.1	1099
9.5/4.6	DA	.725/.78	30	0.31	0.22	0.22	0.14	0.27	0.15	0.09	0.20	0.10	0.05	0.14	0.06	0.03	0.10	0.03	0.01	0.00	0.00	12.13	2.58	0.5 x 1	218
9.2/4.6	DA	2.38/.78	30	0.31	0.22	0.22	0.14	0.28	0.15	0.09	0.20	0.10	0.04	0.14	0.06	0.01	0.09	0.02	0.00	0.00	0.00	11.44	2.31	0.5 x 0.9	206
9.5/6.5	DA	.725/.675	30	0.29	0.20	0.20	0.13	0.26	0.13	0.08	0.19	0.09	0.04	0.13	0.05	0.02	0.09	0.02	0.00	0.00	0.00	13.30	2.68	0.5 x 1	239
9.5/6.4	DA	.725/1.16	30	0.29	0.20	0.20	0.13	0.26	0.14	0.08	0.19	0.09	0.04	0.13	0.05	0.02	0.09	0.02	0.00	0.00	0.00	13.39	2.71	0.5 x 1	241
9.2/6.4	DA	2.38/1.16	30	0.27	0.17	0.18	0.10	0.23	0.11	0.05	0.15	0.06	0.01	0.09	0.02	0.00	0.05	0.00	0.00	0.00	0.00	12.23	2.29	0.5 x 1	220
9.2/6.5	DA	2.38/.78	30	0.22	0.14	0.14	0.07	0.18	0.08	0.03	0.12	0.04	0.00	0.07	0.01	0.00	0.03	0.00	0.00	0.00	0.00	12.14	2.41	0.5 x 1	219
9.2/9.2	DA	2.38/2.38	30	0.28	0.19	0.19	0.12	0.25	0.13	0.08	0.18	0.08	0.04	0.13	0.05	0.02	0.09	0.02	0.00	0.00	0.00	19.06	3.44	0.6 x 1.1	343
9.5/9.5	DA	.725/.725	30	0.28	0.19	0.19	0.11	0.24	0.12	0.06	0.17	0.07	0.03	0.12	0.04	0.00	0.07	0.01	0.00	0.00	0.00	17.81	3.13	0.6 x 1.1	321
9.2/9.5	DA	2.38/.725	30	0.28	0.19	0.19	0.12	0.25	0.12	0.07	0.18	0.07	0.03	0.12	0.04	0.01	0.08	0.01	0.00	0.00	0.00	18.05	3.17	0.6 x 1.1	325

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.

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