



Structures for Outdoor Lighting

2026

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN·m)	Bending moment at pole base

ПМО

Park polygonal

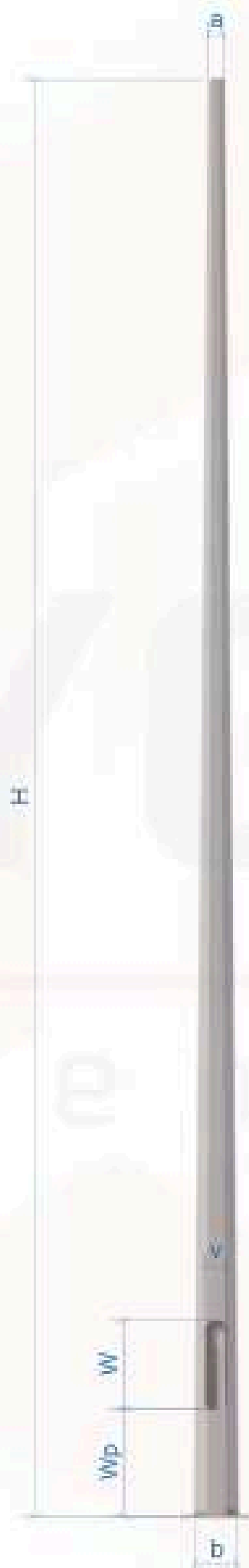
Lighting poles 3 to 10 m high
ТУ У 25.1-39573934-001:2016

Certified product

Example of designation:
park polygonal lighting pole
6 m high -
pole ПМО-6 ТУ У 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014
thickness 3 mm

Coating:
hot-dip galvanizing
in accordance with DSTU/B V.2.6-193:2013



Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
3	60	168	500	90	600	190	M20/4	Ø10-800-1
4	60	168	500	90	600	190	M20/4	Ø10-800-1
5	60	168	500	90	600	190	M20/4	Ø10-800-1
6	60	206	500	90	600	220	M24/4	Ø10-1000-1
7	60	206	500	90	600	220	M24/4	Ø10-1000-1
8	60	206	500	90	600	220	M24/4	Ø10-1000-1
9	60	206	500	90	600	220	M24/4	Ø10-1200-2
10	60	206	500	90	600	220	M24/4	Ø10-1200-2

Pole application range

H (m)	Hs (m)	S (m)				Q (kN)	M (kN·m)	total area of lighting devices at C _{av} =1, terrain type - III				
								400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
3	-	-	50	-	-	1.44	4.20	3.390	2.979	2.653	2.387	2.166
4	-	-	50	-	-	1.33	4.74	2.688	2.349	2.080	1.861	1.680
5	-	-	50	-	-	1.25	5.10	2.066	1.792	1.575	1.399	1.253
6	-	-	50	-	-	1.21	5.33	2.884	2.5	2.2	1.955	1.752
7	-	-	50	-	-	1.75	9.15	2.202	1.894	1.649	1.45	1.285
8	-	-	50	-	-	1.73	9.42	1.678	1.433	1.223	1.061	0.926
9	-	-	50	-	-	1.73	9.64	1.265	1.053	0.886	0.749	0.638
10	-	-	50	-	-	1.76	9.87	0.938	0.76	0.618	0.503	0.408
3	4	1.5	-	15	-	1.44	4.20	2.307	2.008	1.770	1.577	1.418
4	5	1.5	-	15	-	1.33	4.74	2.003	1.732	1.516	1.341	1.197
5	6	1.5	-	15	-	1.25	5.10	1.533	1.313	1.137	0.994	0.876
6	7	1.5	-	15	-	1.21	5.33	2.256	1.94	1.688	1.484	1.314
7	8	1.5	-	15	-	1.75	9.15	1.755	1.49	1.279	1.107	0.965
8	9	1.5	-	15	-	1.73	9.42	1.344	1.119	0.942	0.799	0.681
9	10	1.5	-	15	-	1.73	9.64	1.004	0.815	0.664	0.542	0.441
10	11	1.5	-	15	-	1.76	9.87	0.741	0.575	0.443	0.337	0.249
3	4	2x1.5	-	-	2x15	1.44	4.20	1.068	0.923	0.808	0.714	0.638
4	5	2x1.5	-	-	2x15	1.33	4.74	0.913	0.783	0.679	0.595	0.525
5	6	2x1.5	-	-	2x15	1.25	5.10	0.684	0.577	0.492	0.423	0.366
6	7	2x1.5	-	-	2x15	1.21	5.33	1.051	0.877	0.755	0.656	0.575
7	8	2x1.5	-	-	2x15	1.75	9.15	0.783	0.656	0.555	0.473	0.405
8	9	2x1.5	-	-	2x15	1.73	9.42	0.584	0.477	0.392	0.323	0.267
9	10	2x1.5	-	-	2x15	1.73	9.64	0.419	0.329	0.257	0.199	0.151
10	11	2x1.5	-	-	2x15	1.76	9.87	0.292	0.212	0.15	0.099	0.057

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN·m)	Bending moment at pole base

ПЛО

Park lightweight polygonal

lighting poles 3 to 8 m high
ТУ У 25.1-39573934-001:2016

Certified product

Example of designation:
park lightweight polygonal lighting pole
6 m high -
pole ПЛО-6 ТУ У 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014
thickness 3 mm

Coating:
hot-dip galvanizing
in accordance with DSTU B V.2.6-193:2013



Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
3	60	145	500	90	500	190	M20/4	Ø110-800-1
4	60	145	500	90	500	190	M20/4	Ø110-800-1
5	60	145	500	90	500	190	M20/4	Ø110-800-1
6	60	145	500	90	500	190	M20/4	Ø110-800-1
7	60	145	500	90	500	190	M20/4	Ø110-800-1
8	60	145	500	90	500	190	M20/4	Ø110-800-1

Pole application range

H (m)	Hs (m)	S (m)				Q (kN)	M (kN·m)	total area of lighting devices at C _{dr} =1, terrain type - III				
								400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
3	-	-	50	-	-	1.02	2.86	2.186	1.916	1.701	1.527	1.382
4	-	-	50	-	-	0.96	3.23	1.696	1.475	1.300	1.157	1.040
5	-	-	50	-	-	0.92	3.47	1.271	1.093	0.952	0.837	0.742
6	-	-	50	-	-	0.92	3.65	0.896	0.756	0.646	0.556	0.482
7	-	-	50	-	-	0.93	3.80	0.615	0.503	0.414	0.342	0.283
8	-	-	50	-	-	0.96	3.94	0.397	0.305	0.232	0.174	0.126
3	4	1.5	-	15	-	1.02	2.86	1.449	1.252	1.095	0.968	0.863
4	5	1.5	-	15	-	0.96	3.23	1.223	1.045	0.905	0.791	0.696
5	6	1.5	-	15	-	0.92	3.47	0.900	0.755	0.639	0.545	0.468
6	7	1.5	-	15	-	0.92	3.65	0.628	0.508	0.415	0.338	0.275
7	8	1.5	-	15	-	0.93	3.80	0.408	0.309	0.231	0.168	0.116
8	9	1.5	-	15	-	0.96	3.94	0.226	0.144	0.079	0.026	-
3	4	2x1.5	-	-	2x15	1.02	2.86	0.651	0.556	0.481	0.419	0.369
4	5	2x1.5	-	-	2x15	0.96	3.23	0.537	0.451	0.383	0.327	0.282
5	6	2x1.5	-	-	2x15	0.92	3.47	0.377	0.307	0.253	0.208	0.171
6	7	2x1.5	-	-	2x15	0.92	3.65	0.245	0.188	0.143	0.107	0.077
7	8	2x1.5	-	-	2x15	0.93	3.80	0.138	0.091	0.054	0.024	-
8	9	2x1.5	-	-	2x15	0.96	3.94	0.050	0.011	-	-	-

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN-m)	Bending moment at pole base

ПКО

Park tapered

Lighting poles 3 to 10 m high
ТУ У 25.1-39573934-001:2016



Certified product

Example of designation:
park tapered lighting pole
6 m high -
pole ПКО-6 ТУ У 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014
thickness 3 mm

Coating:
hot-dip galvanizing
in accordance with DSTU B V.2.6-193:2013

Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
3	60	96	500	90	600	190	M20/4	Ø110-800-1
4	60	108	500	90	600	190	M20/4	Ø110-800-1
5	60	120	500	90	600	190	M20/4	Ø110-800-1
6	60	132	500	90	600	220	M24/4	Ø110-1000-1
7	60	144	500	90	600	220	M24/4	Ø110-1000-1
8	60	156	500	90	600	220	M24/4	Ø110-1000-1
9	60	168	500	90	600	220	M24/4	Ø110-1200-2
10	60	180	500	90	600	220	M24/4	Ø110-1200-2

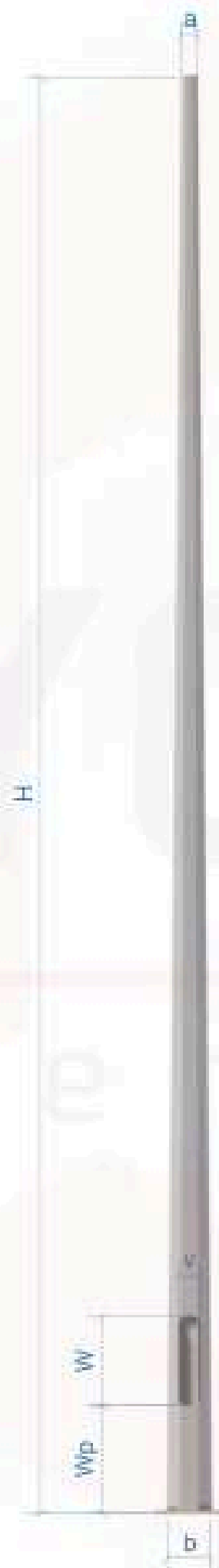
Pole application range

H (m)	Hs (m)	S (m)				Q (kN)	M (kN-m)	total area of lighting devices at C _{av} =1, terrain type - III				
								400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
3	-	-	50	-	-	0.47	1.28	0.876	0.764	0.675	0.603	0.544
4	-	-	50	-	-	0.58	1.97	0.981	0.851	0.748	0.664	0.595
5	-	-	50	-	-	0.69	2.77	1.035	0.893	0.780	0.689	0.618
6	-	-	50	-	-	0.70	3.02	0.791	0.674	0.582	0.507	0.445
7	-	-	50	-	-	0.84	4.01	0.810	0.686	0.587	0.508	0.442
8	-	-	50	-	-	0.97	5.11	0.812	0.682	0.580	0.497	0.428
9	-	-	50	-	-	1.11	6.32	0.801	0.667	0.561	0.475	0.404
10	-	-	50	-	-	1.27	7.67	0.789	0.650	0.540	0.452	0.379
3	4	1.5	-	15	-	0.47	1.28	0.517	0.433	0.366	0.312	0.267
4	5	1.5	-	15	-	0.58	1.97	0.663	0.557	0.472	0.403	0.347
5	6	1.5	-	15	-	0.69	2.77	0.714	0.597	0.504	0.430	0.368
6	7	1.5	-	15	-	0.70	3.02	0.538	0.440	0.361	0.297	0.244
7	8	1.5	-	15	-	0.84	4.01	0.575	0.467	0.381	0.313	0.253
8	9	1.5	-	15	-	0.97	5.11	0.594	0.478	0.386	0.312	0.250
9	10	1.5	-	15	-	1.11	6.32	0.597	0.475	0.379	0.301	0.237
10	11	1.5	-	15	-	1.27	7.67	0.606	0.477	0.376	0.293	0.228
3	4	2x1.5	-	-	2x15	0.47	1.28	0.200	0.160	0.128	0.102	0.080
4	5	2x1.5	-	-	2x15	0.58	1.97	0.266	0.215	0.175	0.142	0.115
5	6	2x1.5	-	-	2x15	0.69	2.77	0.289	0.233	0.189	0.153	0.124
6	7	2x1.5	-	-	2x15	0.70	3.02	0.203	0.156	0.119	0.089	0.064
7	8	2x1.5	-	-	2x15	0.84	4.01	0.219	0.168	0.127	0.094	0.067
8	9	2x1.5	-	-	2x15	0.97	5.11	0.227	0.172	0.128	0.093	0.064
9	10	2x1.5	-	-	2x15	1.11	6.32	0.227	0.169	0.124	0.087	0.056
10	11	2x1.5	-	-	2x15	1.27	7.67	0.230	0.169	0.120	0.081	0.049

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN-m)	Bending moment at pole base

YMO

Street polygonal
lighting poles 5 to 12 m high
TY Y 25.1-39573934-001:2016



Certified product

Example of designation:
street polygonal lighting pole
6 m high -
pole YMO-6 TY Y 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014
thickness 4 mm

Coating:
hot-dip galvanizing
in accordance with DSTU B V.2.6-193:2013

Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
5	60	168	500	90	600	190	M20/4	Ø110-800-1
6	60	206	500	90	600	220	M24/4	Ø110-1000-1
7	60	206	500	90	600	220	M24/4	Ø110-1000-1
8	60	206	500	90	600	220	M24/4	Ø110-1000-1
9	60	206	500	90	600	220	M24/4	Ø110-1200-2
10	60	206	500	90	600	220	M24/4	Ø110-1200-2
11	60	206	500	90	600	220	M24/4	Ø110-1500-2
12	60	206	500	90	600	220	M24/4	Ø110-1500-2

Pole application range

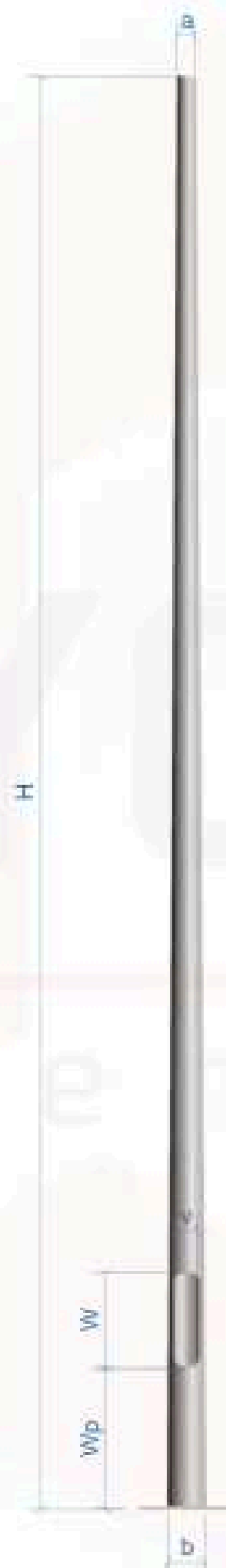
H (m)	Hs (m)	S (m)				Q (kN)	M (kN-m)	total area of lighting devices at C _{av} =1, terrain type - III				
								400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
5	-	-	50	-	-	1.52	6.54	2.825	2.462	2.173	1.938	1.743
6	-	-	50	-	-	2.23	11.49	3.963	3.454	3.049	2.72	2.449
7	-	-	50	-	-	2.12	11.86	3.071	2.661	2.335	2.07	1.85
8	-	-	50	-	-	2.05	12.18	2.396	2.056	1.786	1.567	1.387
9	-	-	50	-	-	2.02	12.45	1.86	1.578	1.355	1.173	1.022
10	-	-	50	-	-	2.01	12.69	1.444	1.203	1.012	0.859	0.731
11	-	-	50	-	-	2.04	12.92	1.114	0.906	0.741	0.606	0.496
12	-	-	50	-	-	2.09	13.12	0.834	0.651	0.507	0.389	0.292
5	6	1.5	-	15	-	1.52	6.54	2.146	1.851	1.617	1.428	1.271
6	7	1.5	-	15	-	2.23	11.49	3.147	2.722	2.388	2.116	1.89
7	8	1.5	-	15	-	2.12	11.86	2.499	2.146	1.866	1.637	1.448
8	9	1.5	-	15	-	2.05	12.18	1.973	1.674	1.437	1.243	1.085
9	10	1.5	-	15	-	2.02	12.45	1.537	1.283	1.083	0.92	0.785
10	11	1.5	-	15	-	2.01	12.69	1.205	0.984	0.807	0.664	0.546
11	12	1.5	-	15	-	2.04	12.92	0.916	0.72	0.567	0.442	0.338
12	13	1.5	-	15	-	2.09	13.12	0.665	0.492	0.355	0.244	0.153
5	6	2x1.5	-	-	2x15	1.52	6.54	0.981	0.839	0.726	0.634	0.558
6	7	2x1.5	-	-	2x15	2.23	11.49	1.465	1.26	1.097	0.965	0.855
7	8	2x1.5	-	-	2x15	2.12	11.86	1.146	0.974	0.839	0.729	0.639
8	9	2x1.5	-	-	2x15	2.05	12.18	0.888	0.745	0.631	0.539	0.462
9	10	2x1.5	-	-	2x15	2.02	12.45	0.678	0.555	0.459	0.381	0.316
10	11	2x1.5	-	-	2x15	2.01	12.69	0.516	0.41	0.325	0.257	0.201
11	12	2x1.5	-	-	2x15	2.04	12.92	0.376	0.282	0.209	0.149	0.099
12	13	2x1.5	-	-	2x15	2.09	13.12	0.255	0.172	0.106	0.054	0.01

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
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	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN-m)	Bending moment at pole base

YKO

Street tapered

Lighting poles 4 to 12 m high
TY Y 25.1-39573934-001:2016



Certified product

Example of designation:
street tapered lighting pole
6 m high -
pole YKO-6 TY Y 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014
thickness 4 mm

Coating:
hot-dip galvanizing
in accordance with DSTU 8 V.2.6-193:2013

Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
6	60	132	500	90	600	220	M24/4	Ø100-1000-1
7	60	144	500	90	600	220	M24/4	Ø100-1000-1
8	60	156	500	90	600	220	M24/4	Ø100-1000-1
9	60	168	500	90	600	220	M24/4	Ø100-1200-2
10	60	180	500	90	600	220	M24/4	Ø100-1200-2
11	60	192	500	90	600	220	M24/4	Ø100-1500-2
12	60	204	500	90	600	220	M24/4	Ø100-1500-2

Pole application range

H (m)	Hs (m)	S (m)				Q (kN)	M (kN-m)	total area of lighting devices at Cur=1, terrain type - III				
								400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
6	-	-	50	-	-	0.83	3.87	1.110	0.955	0.833	0.733	0.651
7	-	-	50	-	-	0.98	5.13	1.149	0.985	0.854	0.748	0.660
8	-	-	50	-	-	1.14	6.56	1.170	0.998	0.860	0.749	0.658
9	-	-	50	-	-	1.30	8.13	1.172	0.993	0.852	0.737	0.643
10	-	-	50	-	-	1.47	9.87	1.172	0.988	0.842	0.723	0.625
11	-	-	50	-	-	1.65	11.77	1.182	0.989	0.836	0.712	0.610
12	-	-	50	-	-	1.84	13.84	1.182	0.981	0.822	0.694	0.588
6	7	1.5	-	15	-	0.83	3.87	0.810	0.678	0.573	0.489	0.419
7	8	1.5	-	15	-	0.98	5.13	0.870	0.727	0.613	0.521	0.444
8	9	1.5	-	15	-	1.14	6.56	0.911	0.758	0.636	0.537	0.455
9	10	1.5	-	15	-	1.30	8.13	0.932	0.770	0.642	0.537	0.453
10	11	1.5	-	15	-	1.47	9.87	0.964	0.791	0.654	0.544	0.453
11	12	1.5	-	15	-	1.65	11.77	0.984	0.802	0.659	0.543	0.446
12	13	1.5	-	15	-	1.84	13.84	0.994	0.805	0.655	0.533	0.432
6	7	2x1.5	-	-	2x15	0.83	3.87	0.334	0.271	0.221	0.181	0.147
7	8	2x1.5	-	-	2x15	0.98	5.13	0.361	0.293	0.238	0.194	0.158
8	9	2x1.5	-	-	2x15	1.14	6.56	0.379	0.306	0.248	0.201	0.162
9	10	2x1.5	-	-	2x15	1.30	8.13	0.388	0.311	0.250	0.200	0.159
10	11	2x1.5	-	-	2x15	1.47	9.87	0.402	0.319	0.254	0.202	0.158
11	12	2x1.5	-	-	2x15	1.65	11.77	0.410	0.324	0.255	0.200	0.154
12	13	2x1.5	-	-	2x15	1.84	13.84	0.414	0.324	0.252	0.194	0.146

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN·m)	Bending moment at pole base

ДМО

Road polygonal poles
7 to 12 m high for use with SIP
ТУ У 25.1-39573934-001:2016

Poles are designed as intermediate poles with a double bracket up to 2 m high with a reach of up to 2 m

The cable is suspended at a height of up to 7 m
Maximum cable size 4x35
Distance between poles up to 40 m

For other conditions, special poles must be selected after separate calculations

Certified product

Example of designation:
road polygonal lighting pole
10 m high -
pole ДМО-10 ТУ У 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014
thickness 4 mm

Coating:
hot-dip galvanizing
in accordance with DSTU B V.2.6-193:2013



Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
7	110	238	500	120	500	220	M24/4	Ø110-1500-2
8	110	238	500	120	500	220	M24/4	Ø110-1500-2
9	110	238	500	120	500	300	M27/4	Ø110-1500-3
10	110	238	500	120	500	300	M27/4	Ø110-1500-3
11	110	238	500	120	500	300	M27/4	Ø110-1500-3
12	110	238	500	120	500	300	M27/4	Ø110-1500-3

Pole application range

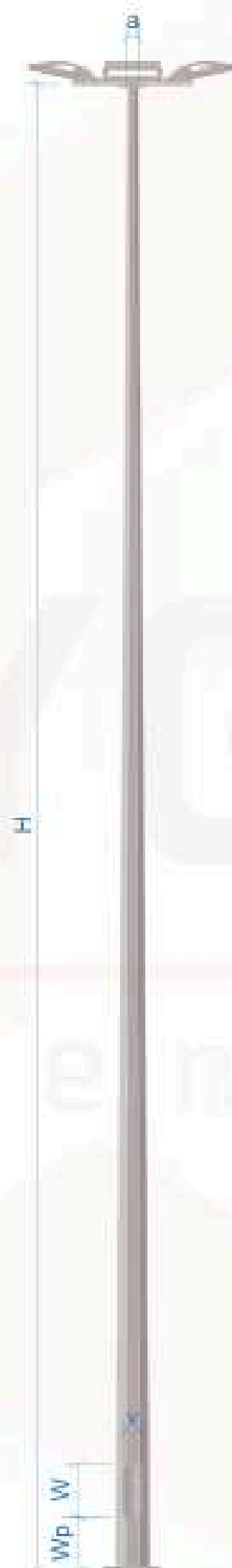
H (m)	Hs (m)	S (m)				Q (kN)	M (kN·m)	total area of lighting devices at Cw=1, terrain type - III				
								400 Pa (m)	450 Pa (m)	500 Pa (m)	550 Pa (m)	600 Pa (m)
7	-	-	50			3.05	16.55	2.38	1.92	1.56	1.26	1.02
8	-	-	50	-	-	3.06	16.94	1.78	1.40	1.10	0.86	0.66
9	-	-	50	-	-	3.11	17.35	1.30	0.97	0.72	0.52	0.36
10	-	-	50	-	-	3.19	17.67	0.90	0.63	0.43	0.25	0.11
11	-	-	50	-	-	3.12	17.78	0.57	0.35	0.16	0.02	-
12	-	-	50	-	-	2.85	17.68	0.30	0.10	-	-	-
7	9	2.0	-	15	-	3.05	16.55	1.92	1.529	1.21	0.96	0.74
8	10	2.0	-	15	-	3.06	16.94	1.44	1.10	0.84	0.63	0.45
9	11	2.0	-	15	-	3.11	17.35	1.03	0.75	0.53	0.34	0.20
10	12	2.0	-	15	-	3.19	17.67	0.71	0.46	0.27	0.11	-
11	13	2.0	-	15	-	3.12	17.78	0.43	0.21	0.05	-	-
12	14	2.0	-	15	-	2.85	17.68	0.18	-	-	-	-
7	9	2x2.0	-	-	2x15	3.05	16.55	0.87	0.68	0.52	0.40	0.30
8	10	2x2.0	-	-	2x15	3.06	16.94	0.63	0.47	0.34	0.24	0.15
9	11	2x2.0	-	-	2x15	3.11	17.35	0.43	0.30	0.19	0.10	0.03
10	12	2x2.0	-	-	2x15	3.19	17.67	0.28	0.16	0.06	-	-
11	13	2x2.0	-	-	2x15	3.12	17.78	0.14	0.03	-	-	-
12	14	2x2.0	-	-	2x15	2.85	17.68	0.01	-	-	-	-

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN-m)	Bending moment at pole base

PM

Polygonal floodlight

masts 12 to 20 m high
ТУ Y 25.1-39573934-001:2016



Certified product

Example of designation:
polygonal floodlight
mast 12 m high -
pole PM-12 ТУ Y 25.1-39573934-001:2016

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014

Coating:
hot-dip galvanizing
in accordance with DSTU B V.2.6-193:2013

Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
12	120	300	500	140	500	400	M30/6	Ø11M-400-950
14	120	340	500	140	500	440	M27/12	Ø11M-440-850
16	120	380	500	160	500	480	M27/12	Ø11M-480-850
18	120	420	500	160	500	520	M30/12	Ø11M-520-950
20	120	470	500	160	500	570	M30/12	Ø11M-570-950

Pole application range

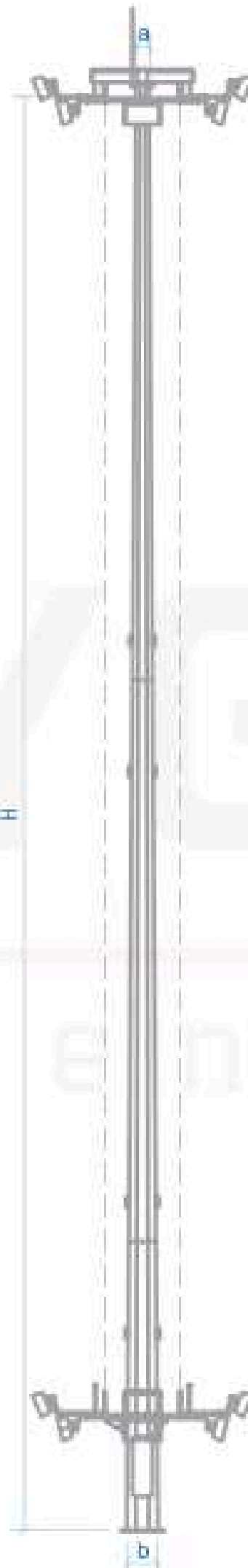
H (m)		Q (kN)	M (kN-m)	total area of lighting devices at C _{dr} =1, terrain type - III				
				400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
12	180	5.86	63.21	3.32	2.88	2.53	2.24	2.0
14	180	6.83	81.15	3.4	2.93	2.56	2.26	2.0
16	180	7.79	102.05	3.48	3.0	2.59	2.27	2.0
18	180	8.79	125.85	3.56	3.04	2.62	2.28	2.0
20	180	10.01	153.63	3.67	3.11	2.67	2.3	2.0

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN-m)	Bending moment at pole base

ПМК

Masts with mobile crown

20 to 40 m high
ТУ У 25.1-39573934-001:2016



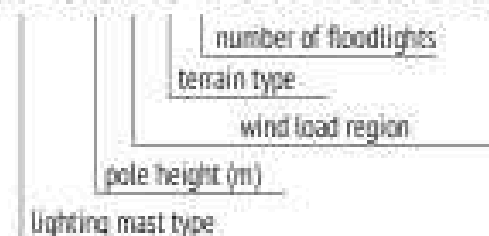
Certified product

Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014

Coating:
hot-dip galvanizing
in accordance with DSTU-B V.2.6-193:2013

Example of designation

pole ПМК-25-3.3-8 ТУ У 25.1-39573934-001:2016



Pole dimensions

H (m)	Øa (mm)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
20	120	300	500	140	500	400	M30/6	ØПМ-400-1100
25	120	340	500	140	500	440	M27/12	ØПМ-440-1100
30	120	380	500	160	500	480	M27/12	ØПМ-480-1100
35	120	420	500	160	500	520	M30/12	ØПМ-520-1100
40	120	470	500	160	500	570	M30/12	ØПМ-570-1100

Pole application range

H (m)		N (kN)	M (kN-m)	total area of lighting devices at C _{te} =1, terrain type - III				
				400 Pa (m ²)	450 Pa (m ²)	500 Pa (m ²)	550 Pa (m ²)	600 Pa (m ²)
20		5.86	63.21	3.32	2.88	2.53	2.24	2.0
25		6.83	81.15	3.4	2.93	2.56	2.26	2.0
30		7.79	102.05	3.48	3.0	2.59	2.27	2.0
35		8.79	125.85	3.56	3.04	2.62	2.28	2.0
40		10.01	153.63	3.67	3.11	2.67	2.3	2.0

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN·m)	Bending moment at pole base

БКМГ

Contact network poles
ground-mounted, 7.3 to 9 m high
ТУ У 25.1-39573934-001:2016

Certified product
Example of designation:
contact network pole 9 m high
with a rated load of 800 kg and
ground mounting -
БКМГ-9-8 ТУ У 25.1-39573934-001:2016
Material:
steel C245, C255
in accordance with DBN V.2.6-198:2014

Coating:
hot-dip galvanizing
in accordance with DSTU B V.2.6-193:2013



Pole dimensions and application range

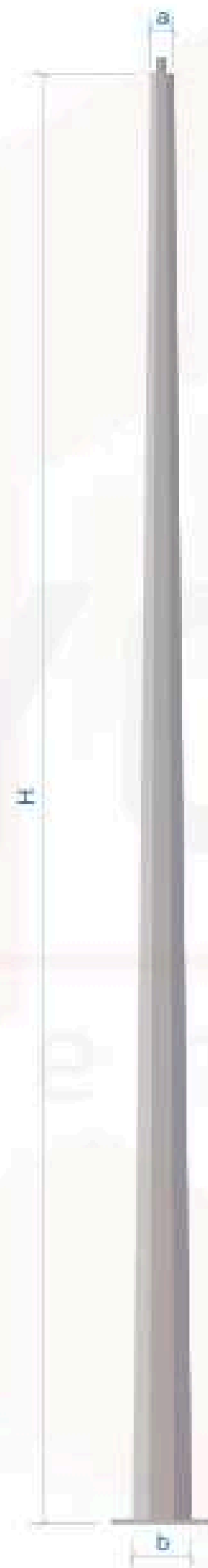
Pole type	P (kg)	H (m)	Øa (mm)	Øb (mm)
БКМГ-7,3-8	800	7.3	187	388
БКМГ-7,3-12	1200	7.3	241	422
БКМГ-7,3-15	1500	7.3	258	416
БКМГ-7,3-20	2000	7.3	258	478
БКМГ-7,3-25	2500	7.3	241	482
БКМГ-9-8	2500	9	150	388
БКМГ-9-12	700	9	206	422
БКМГ-9-15	1000	9	228	416
БКМГ-9-20	1300	9	217	478
БКМГ-9-25	1500	9	194	482

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN·m)	Bending moment at pole base

БКМ

Contact network poles

7.3 to 9 m high, anchor-mounted
ТУ У 25.1-39573934-001:2016



Certified product

Example of designation:
contact network pole 7.3 m high
with a rated load of 800 kg
and anchor mounting -
БКМ-7.3-8 ТУ У 25.1-39573934-001:2016

Material:
steel С245, С255
in accordance with DBN V.2.6-198:2014

Coating:
hot-dip galvanizing
in accordance with DSTU 8 V.2.6-193:2013

Pole dimensions and application range

Pole type	P (kg)	H (m)	Øa (mm)	Øb (mm)	B (mm)	D(mm)/n	
БКМ-7.3-8	800	7.3	187	345	410	M27/8	БКМ-410-800
БКМ-7.3-12	1200	7.3	241	383	450	M30/8	БКМ-450-900
БКМ-7.3-15	1500	7.3	258	383	460	M36/8	БКМ-460-1040
БКМ-7.3-20	2000	7.3	258	411	520	M42/8	БКМ-520-1200
БКМ-7.3-25	2500	7.3	241	411	520	M42/8	БКМ-520-1200
БКМ-9-8	800	9	150	345	410	M27/8	БКМ-410-800
БКМ-9-12	1200	9	206	383	450	M30/8	БКМ-450-900
БКМ-9-15	1500	9	228	383	460	M36/8	БКМ-460-1040
БКМ-9-20	2000	9	217	411	520	M42/8	БКМ-520-1200
БКМ-9-25	2500	9	194	411	520	M42/8	БКМ-520-1200

	H (m) Pole height
	Øa (mm) Pole top diameter
	Øb (mm) Pole bottom diameter
	Hs (m) Pole height with bracket
	S (m) Bracket reach from pole axis
	W (mm) Hatch height
	v (mm) Hatch width
	Wp (mm) Hatch distance from base
	D (mm) x n Anchor diameter and quantity
	B (mm) Distance between anchors
	Maximum weight of equipment:
	- on pole axis
	- on bracket reach one arm
	- on bracket reach two arms
	- on bracket reach four arms
	Foundation embedment type
Q (kN)	Shear force at pole base
M (kN·m)	Bending moment at pole base

MO

Polygonal lightning rods

5 to 40 m high

TY Y 25.1-39573934-002:2018

Certified product

Example of designation:

polygonal lightning rod

12 m high -

MO-12 TY Y 25.1-39573934-002:2018

Material:

steel C245, C255

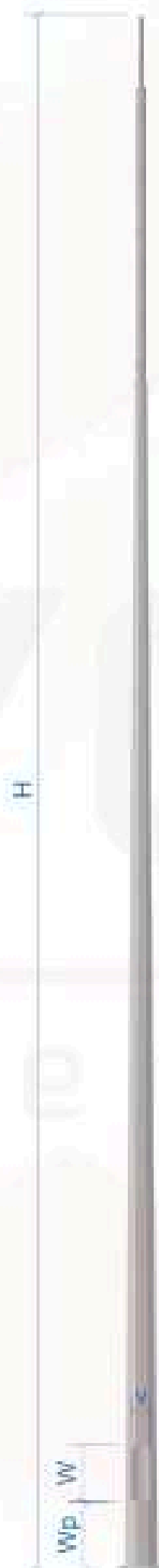
in accordance with DBN V.2.6-198:2014

thickness 3 mm

Coating:

hot-dip galvanizing

in accordance with DSTU B V.2.6-193:2013



Pole dimensions

H (m)	Øb (mm)	W (mm)	v (mm)	Wp (mm)	B (mm)	D (mm)/n	
5.5	170	500	90	600	190	M20/4	Ø10-800-1
6	170	500	90	600	190	M20/4	Ø10-800-1
7	170	500	90	600	190	M20/4	Ø10-800-1
8	170	500	90	600	190	M20/4	Ø10-800-1
9	206	500	90	600	220	M24/4	Ø10-1000-1
10	206	500	90	600	220	M24/4	Ø10-1000-1
11	206	500	90	600	220	M24/4	Ø10-1000-1
12	206	500	90	600	220	M24/4	Ø10-1000-1
14	206	500	90	600	220	M24/4	Ø10-1000-1
15	206	500	90	600	220	M24/4	Ø10-1000-1
20	305	500	140	600	390	M30/6	Ø1M-390-900
25	362	500	140	600	460	M36/6	Ø1M-460-1040
30	414	500	140	600	500	M30/12	Ø1M-500-900
35	550	500	140	600	640	M30/16	Ø1M-640-900
40	600	500	140	600	710	M36/16	Ø1M-710-1040

KO

Lighting pole brackets

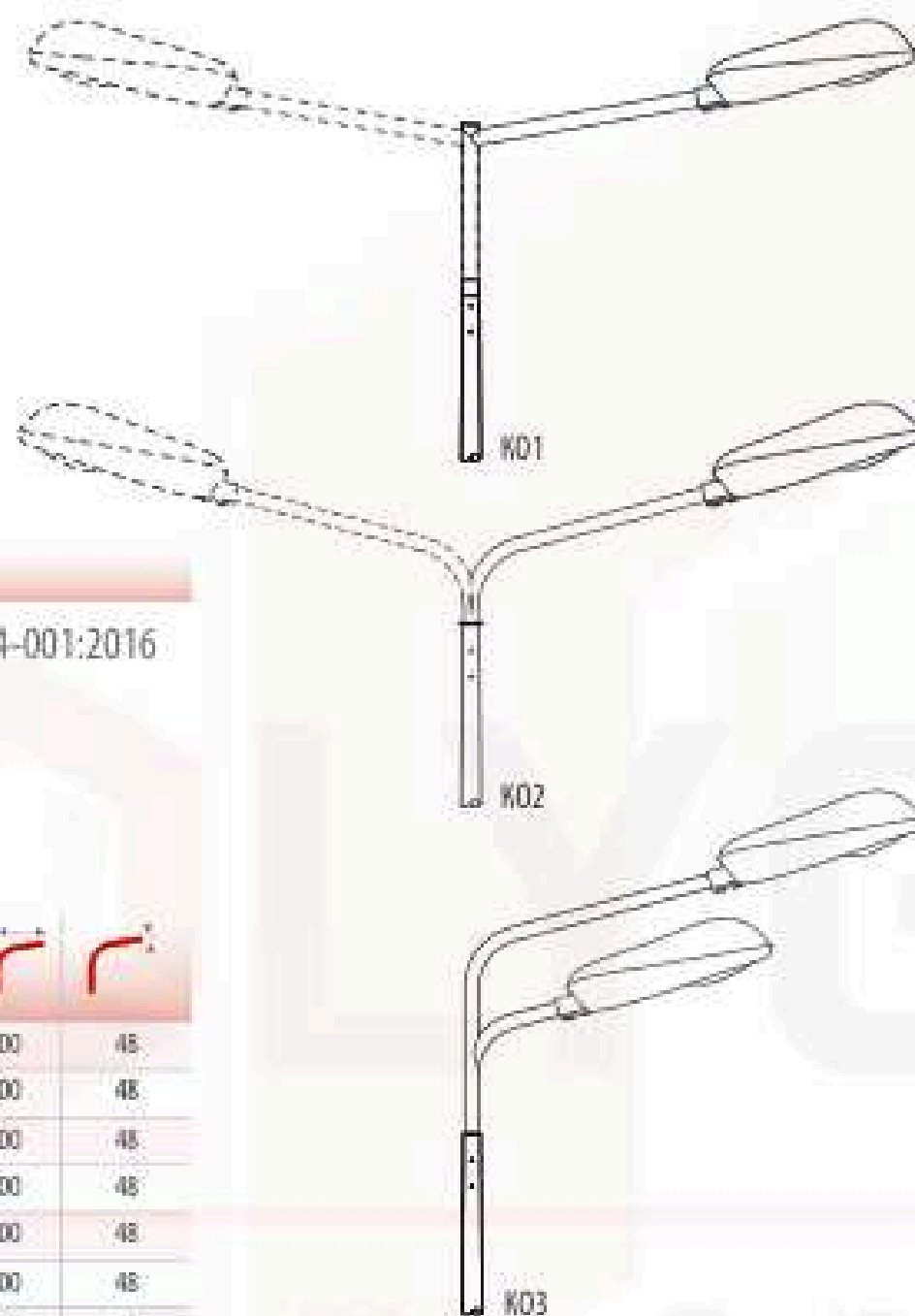
ТУ У 25.1-39573934-001:2016

Example of designation

K01-2-0,5-1 ТУ У 25.1-39573934-001:2016

bracket reach (m)
bracket height (m)
number of arms
bracket type

Type bracket	Number of arms			
K01-1-0,5-1	1	500	1000	48
K01-1-1-1,5	1	1000	1500	48
K01-2-1-1	2	1000	1000	48
K01-2-1-1,5	2	1000	1500	48
K01-3-1-1,5	3	1000	1500	48
K01-4-1-1,5	4	1000	1500	48
K02-1-0,5-1	1	500	1000	48
K02-1-0,5-1	1	500	1000	48
K02-1-1-1	1	1000	1000	48
K02-1-1-1,5	1	1000	1500	48
K02-2-0,5-1	2	500	1000	48
K02-2-1-1	2	1000	1000	48
K02-2-1-1,5	2	1000	1500	48
K02-3-1-1	3	1000	1000	48
K02-3-1-1,5	3	1000	1500	48
K02-4-1-1	4	1000	1000	48
K02-4-1-1,5	4	1000	1500	48
K03-2-1-1-1	2	1100/600	1000/500	48
K03-2-1,2-1,5	2	1200/700	1500/1000	48
K03-2-1,4-2	2	1400/850	2000/1500	48



Material:
steel C245 DSTU 8539:2015

Coating:
hot-dip galvanizing: in accordance with DSTU B V.2.6-193:2013

КП

Park brackets

ТУ У 25.1-39573934-001:2016

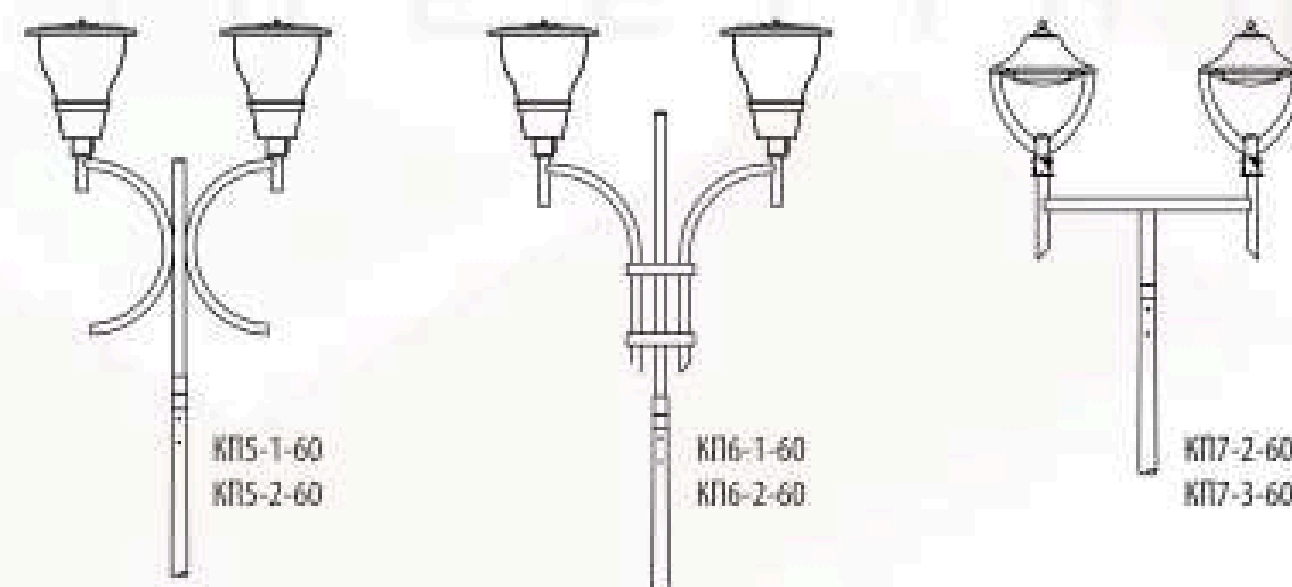
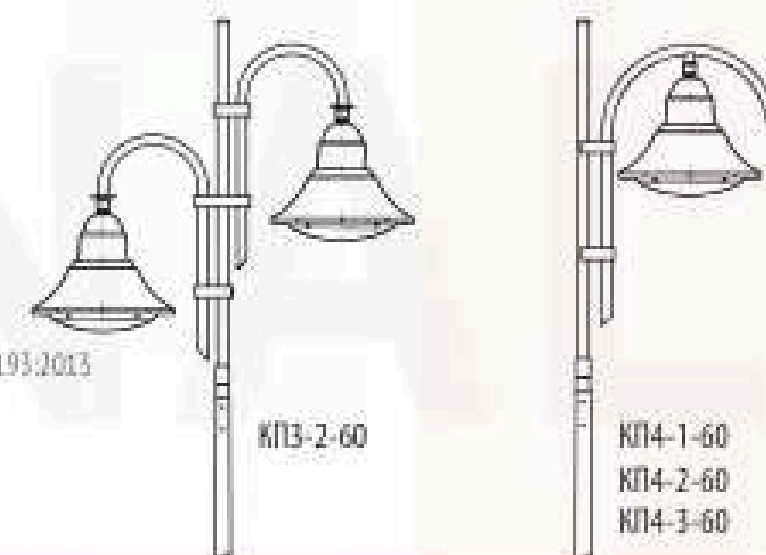
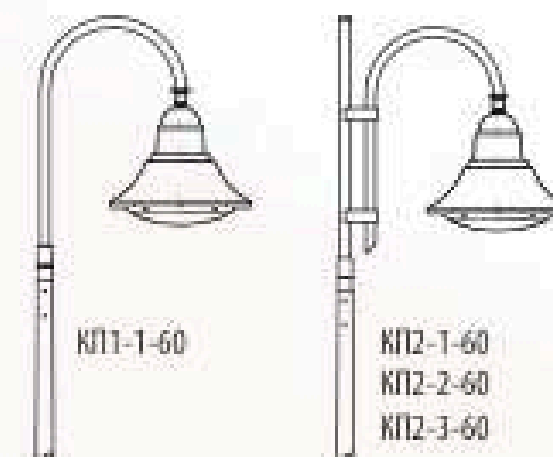
Example of designation

КП1-2-60 ТУ У 25.1-39573934-001:2016

pole top diameter (mm)
number of arms
bracket type

Material:
steel C245 DSTU 8539:2015

Coating:
hot-dip galvanizing: in accordance with DSTU B V.2.6-193:2013



TP

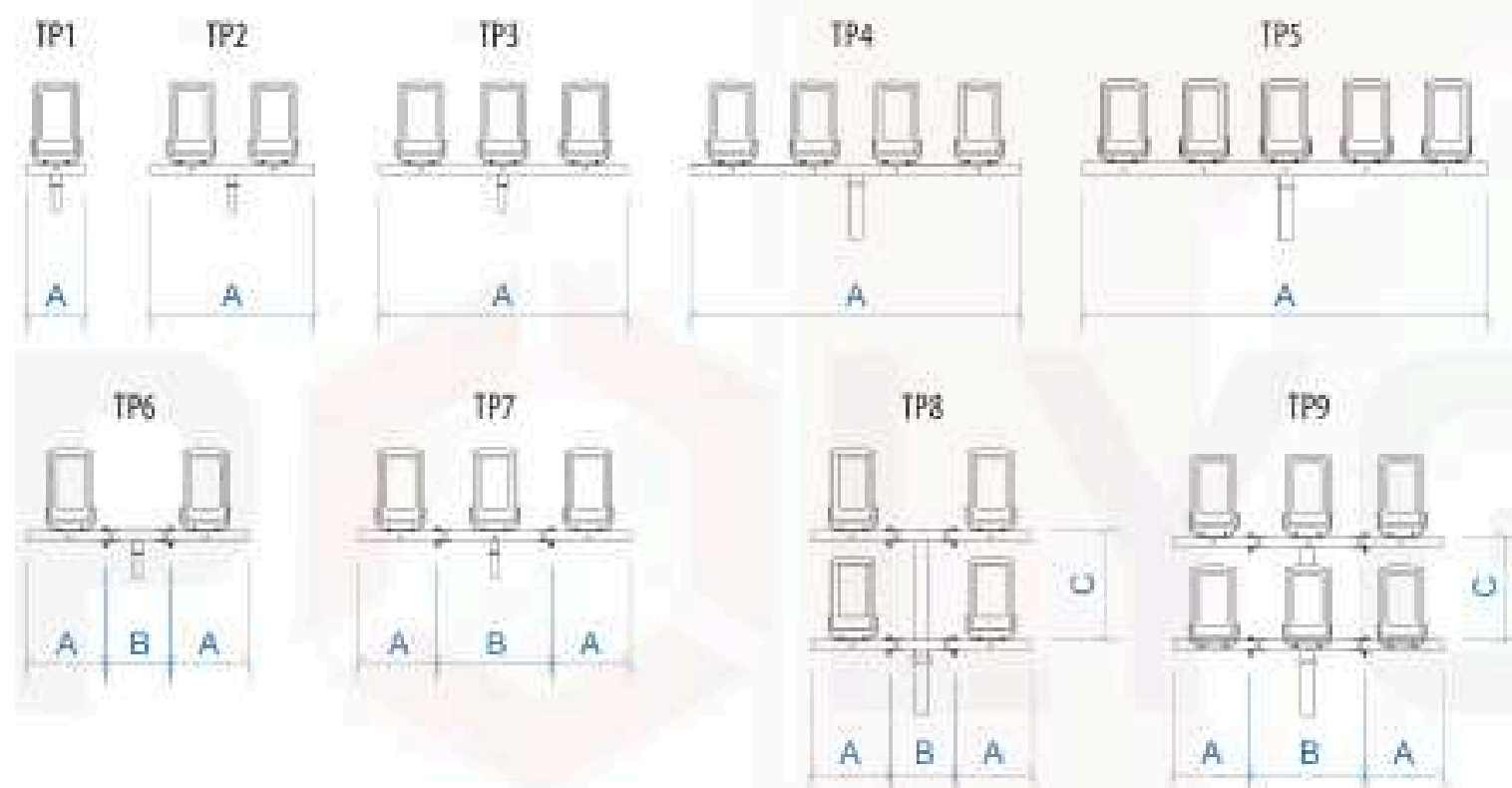
Lighting pole crossarms

TY Y 25.1-39573934-001:2016

Example of designation

TP1-60-φ TY Y 25.1-39573934-001:2016

mounting method
pole top diameter (mm)
crossarm type

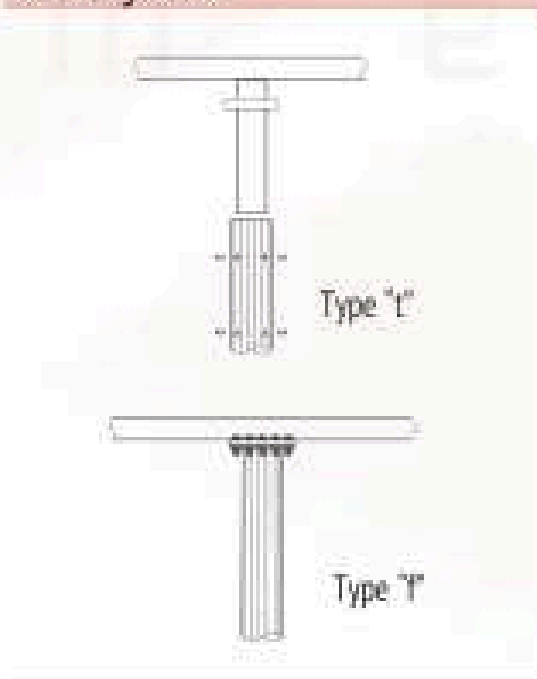


Type crossarm	Number floodlights	A	B	C
TP1	1	400	-	-
TP2	2	1100	-	-
TP3	3	1600	-	-
TP4	4	2000	-	-
TP5	5	2500	-	-
TP6	2	500	300	-
TP7	3	500	600	-
TP8	4	500	300	600
TP9	6	500	600	600

Material:
steel C245 DSTU 8539:2015

Coating:
hot-dip galvanizing in accordance with DSTU B V.2.6-193:2013

Mounting method



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OF

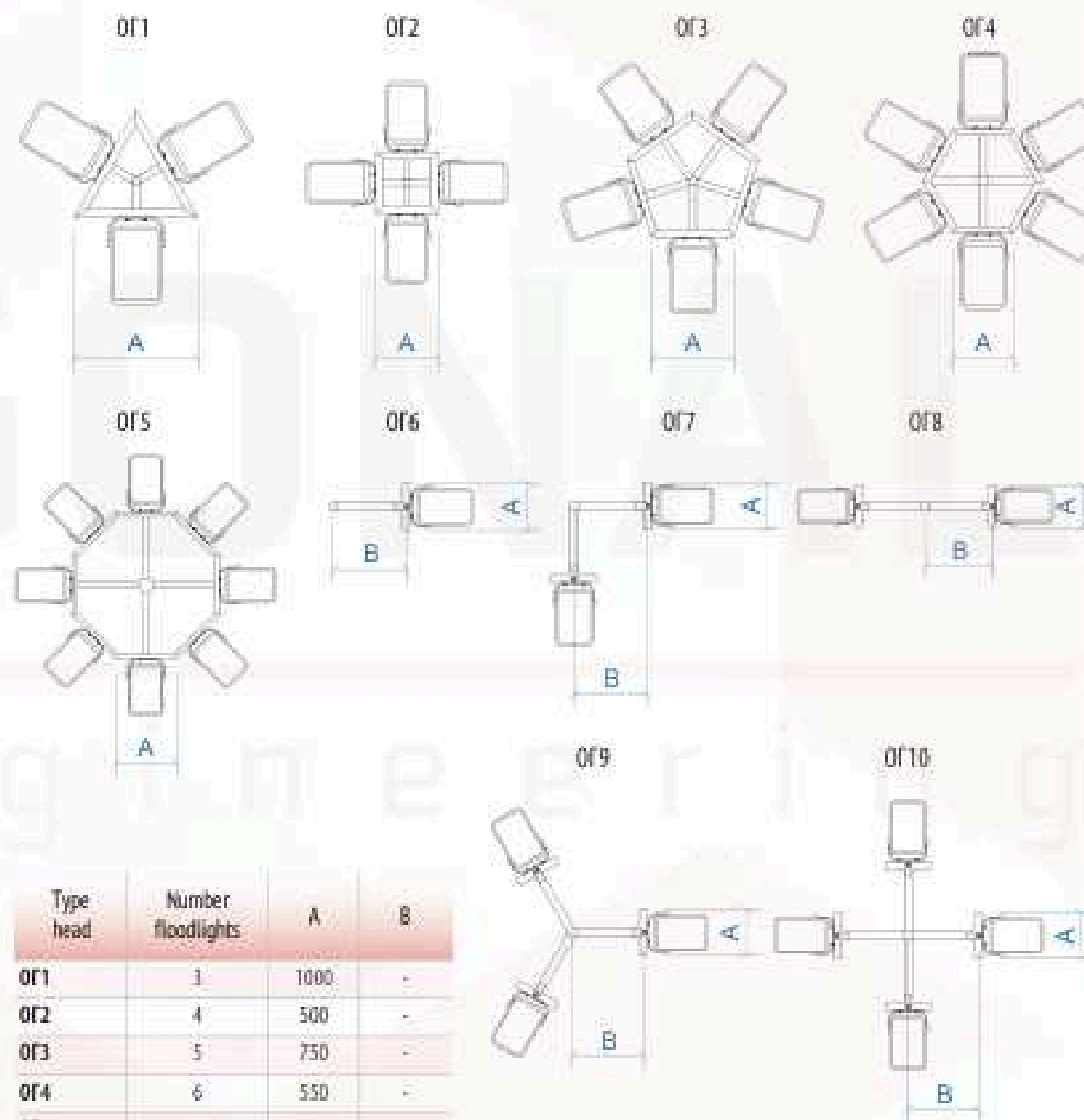
Lighting pole heads

TY Y 25.1-39573934-001:2016

Example of designation

OF1-60-φ TY Y 25.1-39573934-001:2016

mounting method
pole top diameter (mm)
head type



Type head	Number floodlights	A	B
OF1	3	1000	-
OF2	4	500	-
OF3	5	750	-
OF4	6	550	-
OF5	8	700	-
OF6	1	400	500
OF7	2	400	500
OF8	2	400	500
OF9	3	400	500
OF10	4	400	500

Material:
steel C245 DSTU 8539:2015

Coating:
hot-dip galvanizing in accordance with DSTU B V.2.6-193:2013

POLYGONAL
system engineering

ΦΠΟ

Foundation embedments

for lighting poles

ТУ У 25.1-39573934-001:2016

Example of designation

ΦΠΟ-1200-2 ТУ У 25.1-39573934-001:2016

foundation embedment type
embedment height (mm)
version

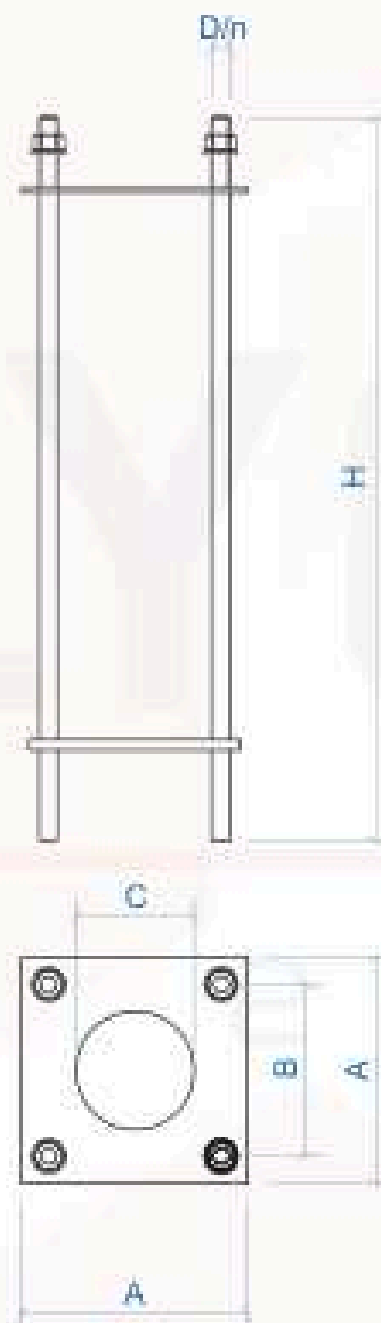
Type embedment	A	B	C	H	D/n
ΦΠΟ-800-1	250	190	130	800	20/4
ΦΠΟ-1000-1	300	220	160	1000	24/4
ΦΠΟ-1200-2	300	220	160	1200	24/4
ΦΠΟ-1500-1	400	300	160	1500	24/4
ΦΠΟ-1500-2	300	220	160	1500	24/4
ΦΠΟ-1500-3	400	300	160	1500	27/4

Material:

steel C245/C345 DSTU 8539:2015

Coating:

uncoated



ΦΠΜ

Foundation embedments

for floodlight masts and lightning rods

ТУ У 25.1-39573934-001:2016

Example of designation

ΦΠΜ-400-950 ТУ У 25.1-39573934-001:2016

foundation embedment type
embedment height (mm)
distance between anchors (mm)

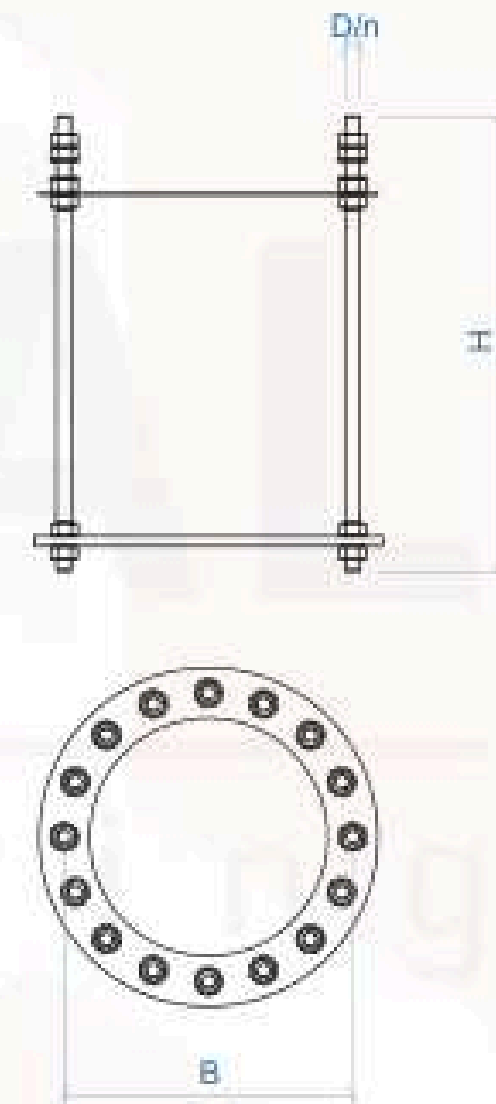
Embedment type	B	H	D/n
ΦΠΜ-440-850	440	850	27/12
ΦΠΜ-480-850	480	850	27/12
ΦΠΜ-390-900	390	900	30/6
ΦΠΜ-400-950	400	950	30/6
ΦΠΜ-500-900	500	900	30/12
ΦΠΜ-520-950	520	950	30/12
ΦΠΜ-570-950	570	950	30/12
ΦΠΜ-640-900	640	900	30/16
ΦΠΜ-460-1040	460	1040	36/6
ΦΠΜ-710-1040	710	1040	36/16

Material:

steel C245/C345 DSTU 8539:2015

Coating:

uncoated



ΦKM

Foundation embedments

for contact network poles

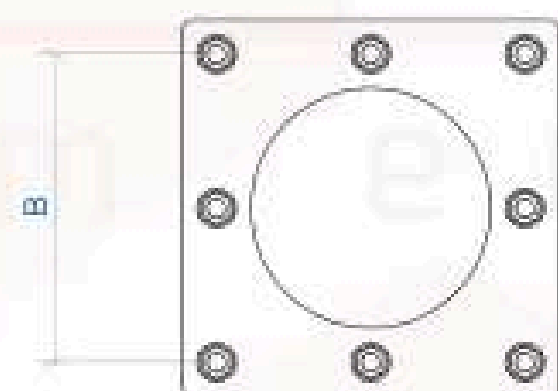
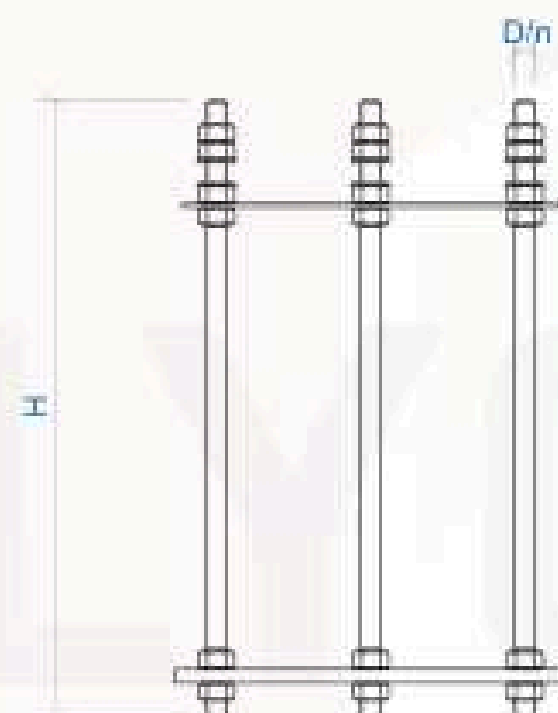
TY Y 25.1-39573934-001:2016

Example of designation

ΦKM-410-800 TY Y 25.1-39573934-001:2016

embedment height (mm)
distance between anchors (mm)
foundation embedment type

Embedment type	B	H	D/n
ΦKM-410-800	410	800	27/8
ΦKM-450-900	450	900	30/8
ΦKM-460-1040	460	1040	36/8
ΦKM-520-1200	520	1200	42/8



Material:

steel C245/C345 DSTU 8539:2015

Coating:

uncoated

ПМВ

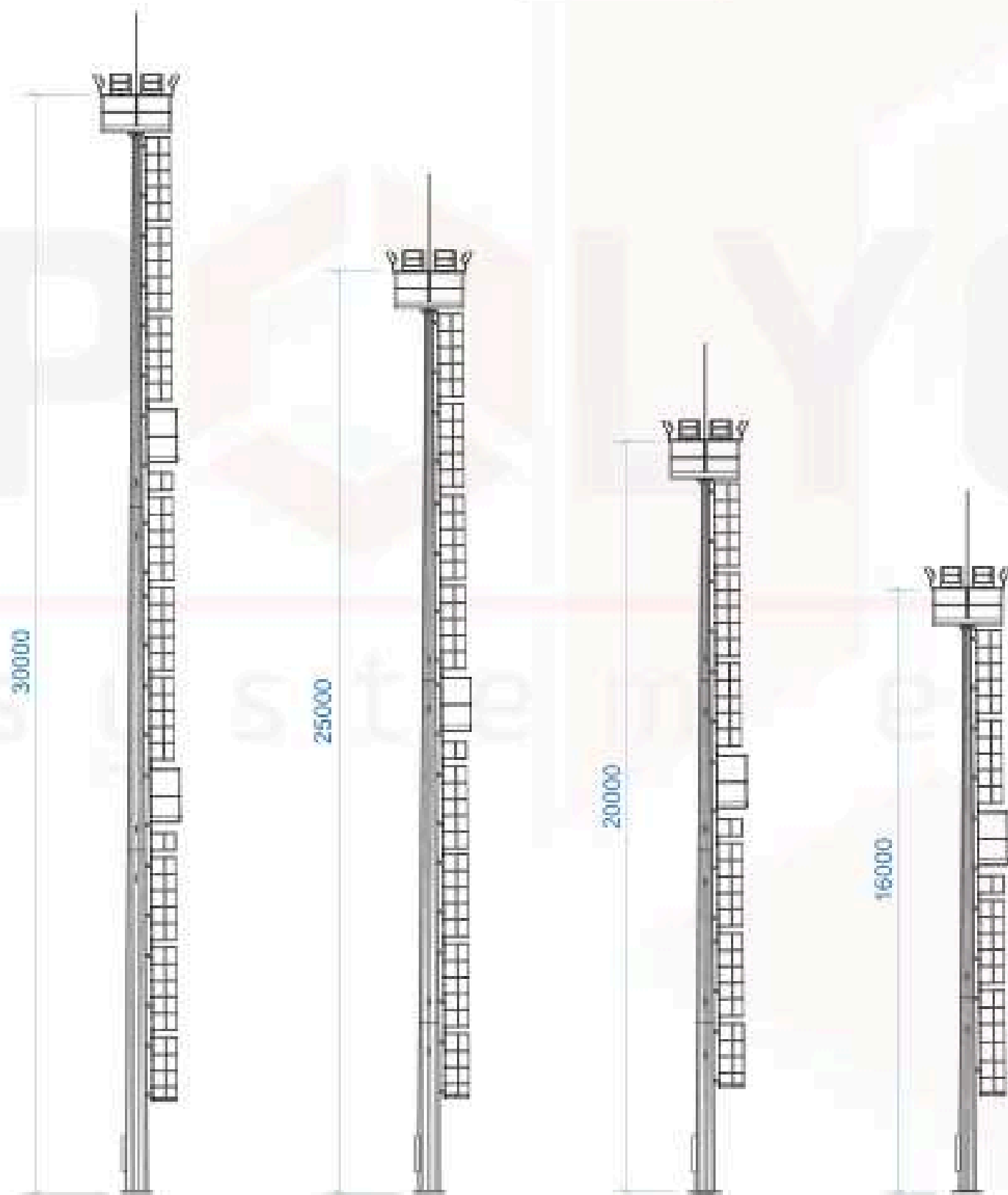
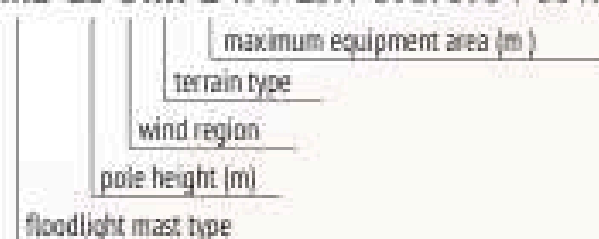
Floodlight masts

height 16 to 30 m

ТУ У 25.1-39573934-001:2016

Example of designation

ПМВ-25-3.III-2 ТУ У 25.1-39573934-001:2016



ПМТ

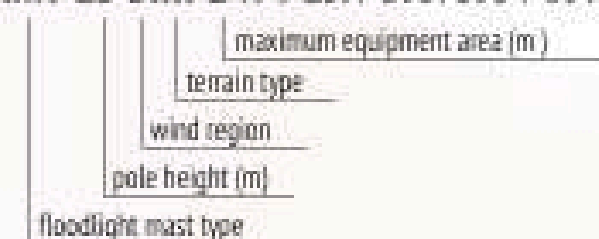
Floodlight masts

height 16 to 20 m

ТУ У 25.1-39573934-001:2016

Example of designation

ПМТ-25-3.III-2 ТУ У 25.1-39573934-001:2016



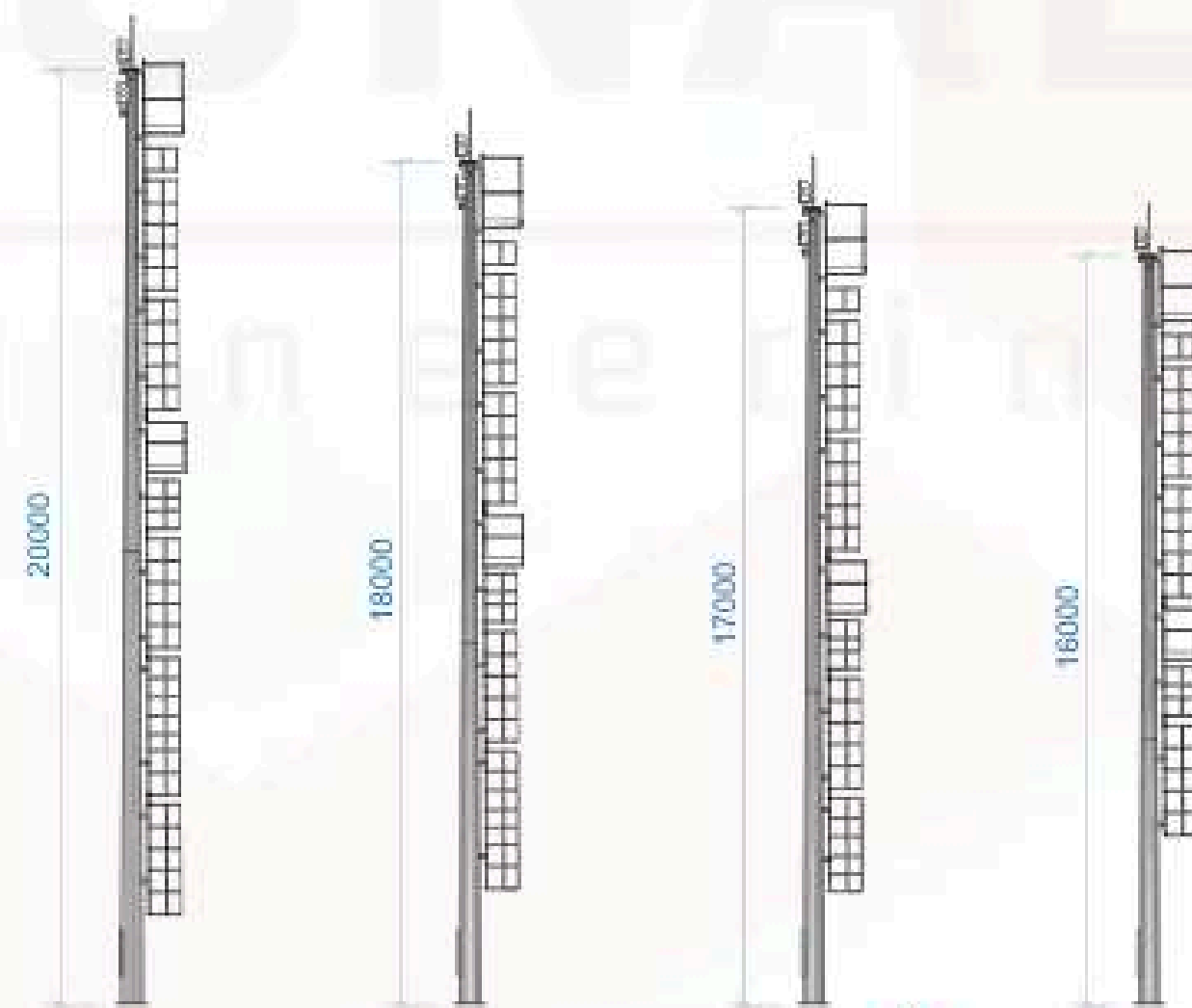
- designed for lighting large open areas, open switchgear substations, compressor stations, railway stations, construction sites and quarries, oil and gas production sites, storage facilities, warehouses.

- equipped with lightning rods, a service platform, rest platforms during climbing, and ladders with guard rails

- for ease of transportation, made from sections no longer than 12 m

- designed individually for the specific lighting level and equipment list

- anti-corrosion coating applied by hot-dip galvanizing



ПМО

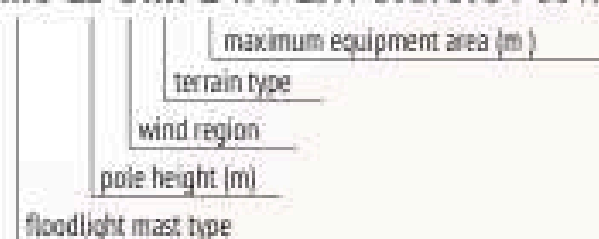
Floodlight masts

height 25 to 55 m

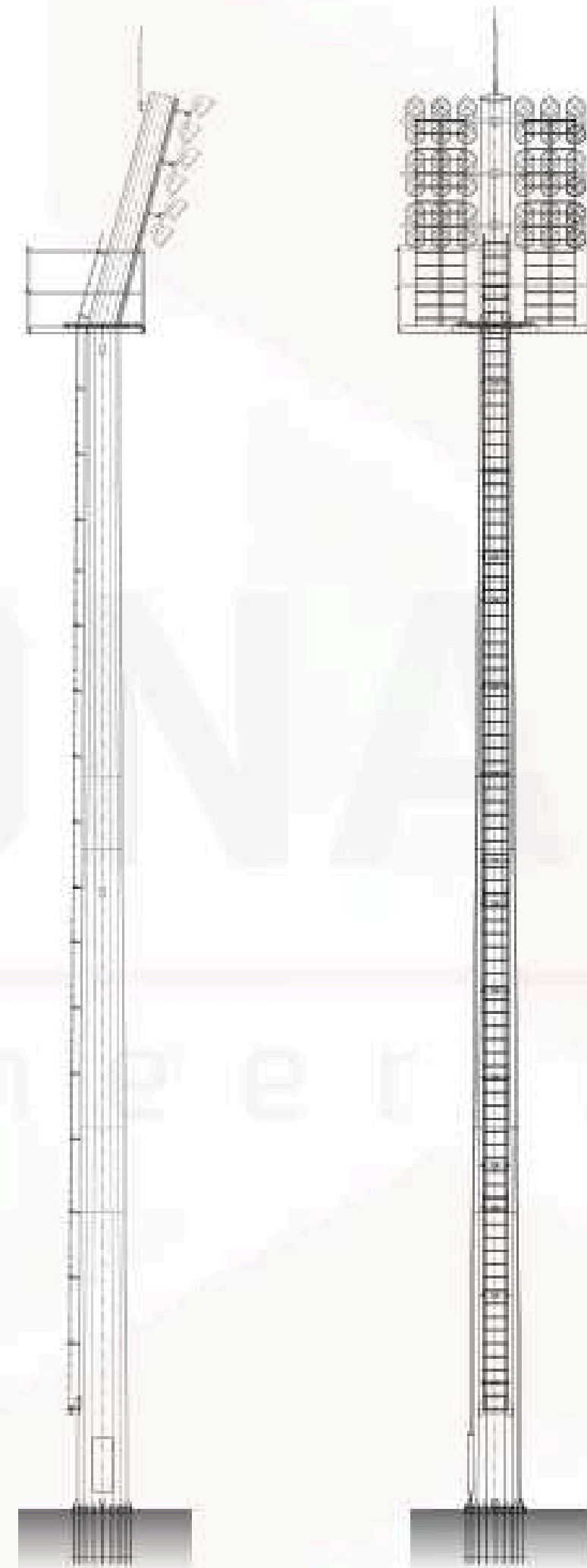
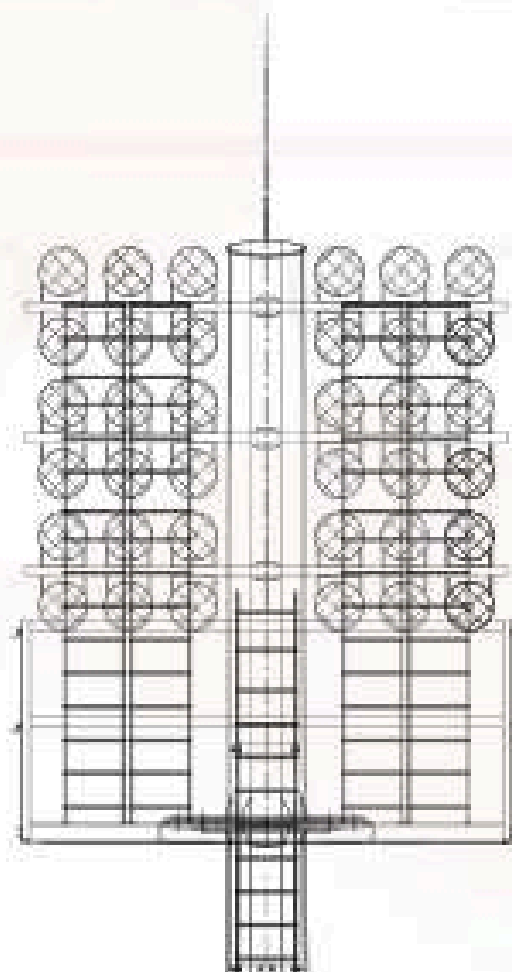
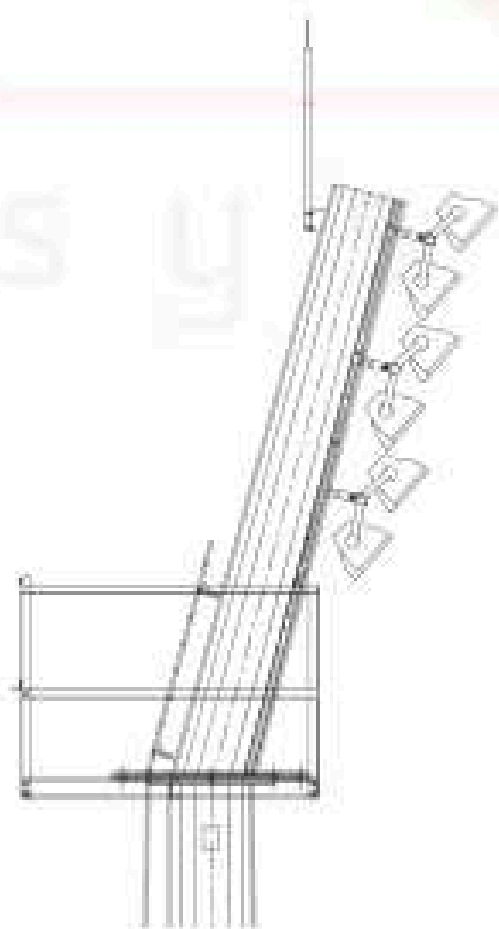
ТУ У 25.1-39573934-001:2016

Example of designation

ПМО-25-3.III-2 ТУ У 25.1-39573934-001:2016



- designed for lighting sports facilities
- equipped with service platforms, folding rest platforms during climbing, ladders with guard rails or a fixed fall-arrest system
- for ease of transportation, made from sections no longer than 12 m
- designed individually for the specific lighting level, taking architectural features of the facility into account
- anti-corrosion coating applied by hot-dip galvanizing



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