



Tapered octagonal poles

Tapered octagonal poles

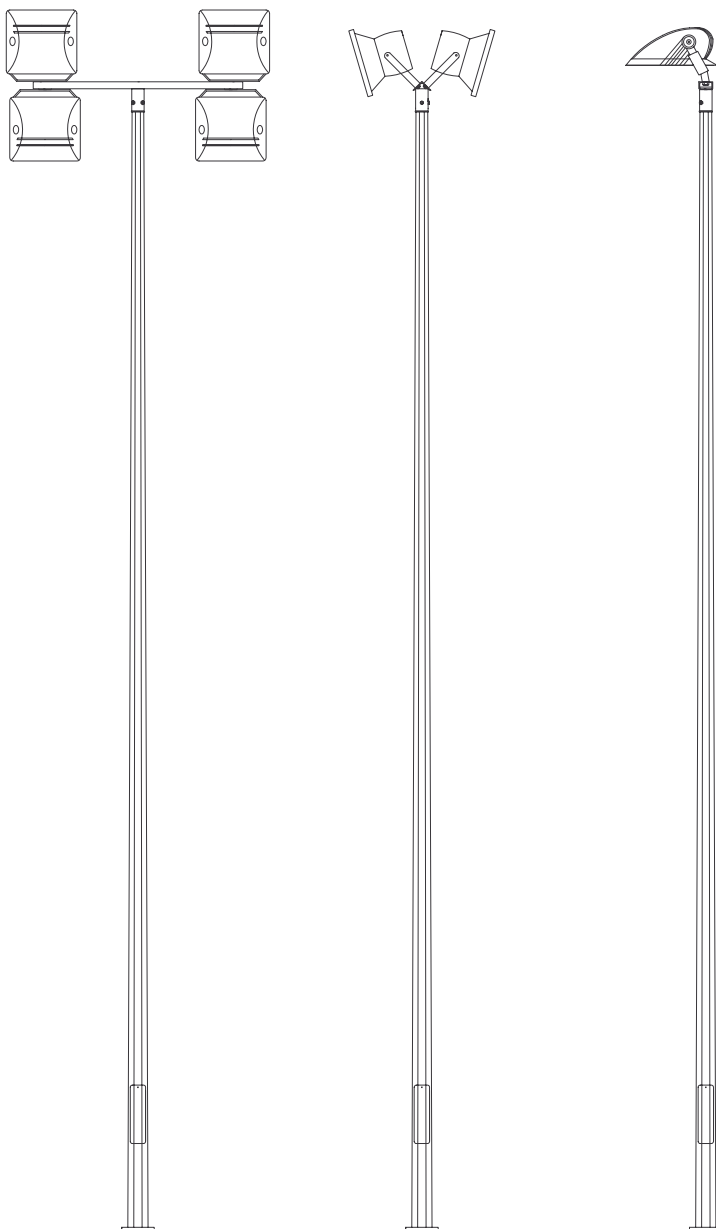
The tapered octagonal pole has a variety of uses from sporting ovals to industrial developments, from as low as 4.5 metres to as high as 35 metres. Due to the wide range of uses, the tapered octagonal pole is also known as the General Purpose pole. The tapered octagonal pole is ideally suited to floodlighting projects that requires the luminaire control gear to be mounted inside the pole, due to the larger diameter at the base.

Applications

Sports lighting
Parks and reserves
Commercial and industrial developments
Construction sites
Mining sites
Railways
Airports
Car park lighting
Shopping centres

Design options & accessories

- The tapered octagonal pole range is standard base plate mounted, however in-ground mounted can be designed.
- All poles are hot dip galvanized to AS/NZS 4680:2006, and can be powder coated or painted.
- The tapered octagonal pole range is available in standard heights of 4.5 metres to 35 metres, larger heights are also available upon request.
- All pole accessories such as luminaire crossarms, adaptors, headframes, platforms, Lad Saf system, climbing rungs and lightning protection rods are available.
- Extra access doors for the larger tapered octagonal poles.
- Security or tamper proof screws for access door covers.
- The product data sheet represents the standard range, but other heights and section sizes can be custom designed to meet specific requirements.
- Slip joint assembly required for poles over 11 metres in height.





Tapered octagonal poles



NOMINAL HEIGHT m	PRODUCT CODE	MAXIMUM SAIL AREA (m ²) TERRAIN CATEGORY			MAXIMUM TOP MASS kg	POLE DIAMETER		DOOR SIZE LENGTH mm	DOOR SIZE WIDTH mm	BOLT CONFIGURATION PCD	LIMIT STATE BASE MOMENT kNm	LIMIT STATE BASE SHEAR kN	POLE MASS kg
		2	2.5	3		TOP mm	BOTTOM mm						
EX. LIGHT DUTY													
20	TOBPLL20	0.77	1.04	1.37	250	119	375	610	190	4 x M36@500	87.7	8.9	544
25	TOBPLL25	1.22	1.53	1.91	200	125	465	610	190	12 x M30@640	172.9	14.2	971
27	TOBPLL27	1.22	1.55	1.93	200	126	500	610	190	12 x M30@640	209.0	16.3	1209
30	TOBPLL30	1.15	1.46	1.82	200	111	534	610	190	12 x M30@640	264.4	19.2	1473
LIGHT DUTY													
5	TOBPL5	0.60	0.78	0.95	60	85	155	265	110	4 x M20@233	5.3	1.3	57
6	TOBPL6	0.60	0.80	0.93	60	84	125	265	80	4 x M20@233	6.4	1.4	62
8	TOBPL8	0.60	0.74	0.94	80	84	145	380	100	4 x M20@233	9.5	1.7	86
10	TOBPL10	1.00	1.30	1.60	140	84	207	380	130	4 x M24@350	20.4	3.0	142
12	TOBPL12	0.92	1.22	1.61	200	86	230	380	130	4 x M24@350	26.7	3.6	182
15	TOBPL15	0.72	1.00	1.36	250	92	272	610	190	4 x M24@350	37.2	4.6	280
18	TOBPL18	1.10	1.49	1.83	300	127	360	610	190	4 x M36@500	81.2	8.3	503
20	TOBPL20	1.25	1.52	1.84	300	122	375	610	190	8 x M30@500	104.0	9.7	674
22	TOBPL22	1.12	1.42	1.77	200	125	385	610	190	8 x M30@500	121.9	10.8	756
25	TOBPL25	2.07	2.56	3.15	350	170	485	610	190	12 x M30@640	225.8	16.7	1227
27	TOBPL27	2.00	2.69	3.29	400	172	515	610	190	12 x M30@640	263.3	18.6	1459
28	TOBPL28	1.05	1.24	1.47	200	110	500	610	190	12 x M30@640	211.9	16.5	1283
30	TOBPL30	1.80	2.40	2.95	400	174	550	610	190	16 x M30@680	321.5	21.5	1748
35	TOBPL35	1.30	1.68	2.18	400	208	600	610	190	16 x M36@800	445.0	27.4	2514
MEDIUM DUTY													
6	TOBPM6	0.90	1.20	1.50	100	84	155	265	110	4 x M20@233	9.6	1.9	67
8	TOBPM8	1.60	1.85	2.10	120	84	209	380	130	4 x M24@350	19.8	3.2	119
9	TOBPM9	2.25	2.73	2.80	150	86	275	610	190	4 x M24@350	32.1	4.7	197
10	TOBPM10	1.80	2.26	2.30	180	86	270	610	190	4 x M24@350	32.0	4.5	214
12	TOBPM12	1.19	1.57	2.03	300	91	270	610	190	4 x M24@350	32.4	4.2	230
15	TOBPM15	1.20	1.72	2.13	150	119	265	610	190	4 x M30@350	51.8	5.4	352
18	TOBPM18	1.93	2.42	2.96	350	127	360	610	190	8 x M30@500	105.6	9.7	606
20	TOBPM20	2.05	2.47	3.00	400	126	375	610	190	8 x M30@500	131.0	11.1	829
22	TOBPM22	2.08	2.52	3.05	200	135	385	610	190	8 x M30@500	158.8	12.5	1142
25	TOBPM25	3.15	3.97	4.79	600	190	500	610	190	16 x M30@680	278.1	19.0	1414
27	TOBPM27	3.39	4.03	4.80	600	175	515	610	190	16 x M30@680	330.8	21.2	1856
30	TOBPM30	3.10	3.71	4.43	600	192	565	610	190	16 x M30@710	403.5	24.6	2179
35	TOBPM35	2.90	3.70	4.51	600	236	640	610	190	16 x M36@800	573.3	31.8	3090
HEAVY DUTY													
8	TOBPH8	2.13	2.53	2.80	150	86	265	610	190	4 x M24@350	25.6	4.1	173
12	TOBPH12	1.83	2.29	2.88	300	127	265	610	190	4 x M30@350	44.5	5.3	298
15	TOBPH15	1.80	2.20	2.71	200	119	265	610	190	4 x M30@350	62.4	6.3	408
18	TOBPH18	2.05	2.47	3.00	400	126	360	610	190	8 x M30@500	109.0	9.9	617

NOTES:- INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE, PLEASE ENSURE THAT INFORMATION IS CURRENT AT TIME OF ORDER

1 - TOPOGRAPHIC MULTIPLIER (M) IN ACCORDANCE WITH AS1170.2 - 1.0

2 - TERRAIN CATEGORY IN ACCORDANCE WITH AS1170.2

3 - BASE OF POLE AT GROUND LEVEL AND NOT ELEVATED

4 - SERVICABILITY DEFLECTION LIMIT = HEIGHT DIVIDED BY 15

5 - MAXIMUM SAIL AREAS HAVE BEEN DESIGNED FOR LIGHTING ONLY

6 - POLE DIAMETER IS MEASURED AS THE FLAT TO FLAT DIMENSION

7 - SAIL AREAS AND TOP MASSES DO NOT INCLUDE ALLOWANCE FOR MAINTENANCE ACCESS

8 - IMPORTANCE LEVEL 1 IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA

9 - ALL POLES DESIGNED FOR REGION A IN ACCORDANCE WITH AS1170.2

10 - COPYRIGHT © 2008 COULTHARD SHIM PTY LTD & COSLEE HEAVY METAL FABRICATORS PTY LTD