

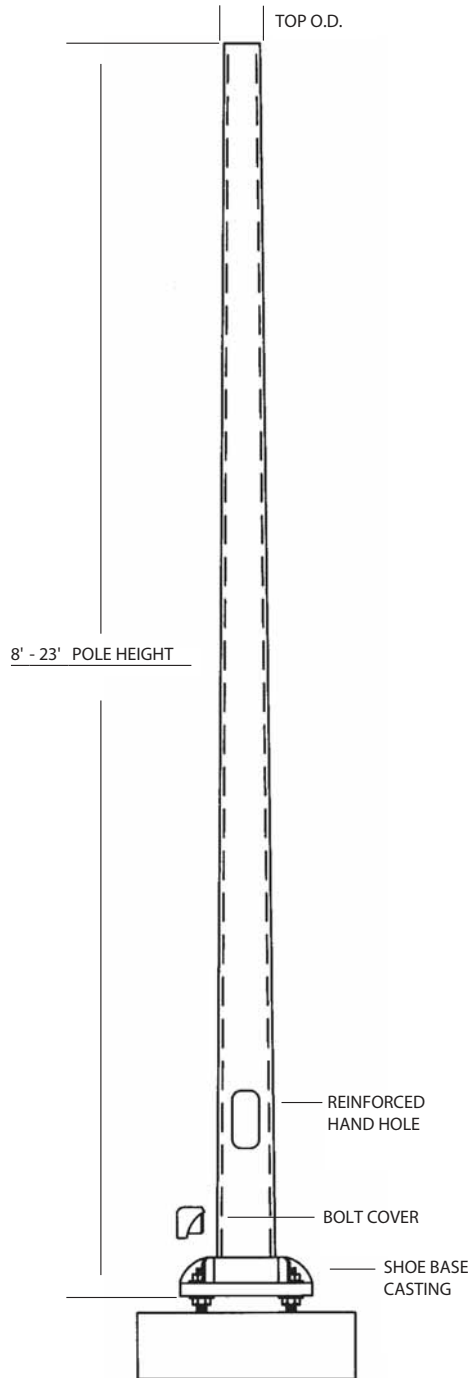
POLE

SEQUOIA LIGHTING SYSTEMS

ALUMINUM TAPERED

DESIGN
PA02

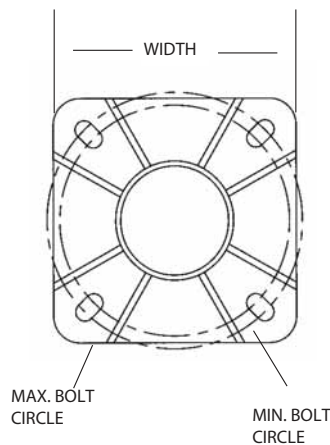
ROUND TAPERED ALUMINUM POLE



ALUMINUM ARM

SEE ALUMINUM ARM SECTION

ANCHOR BOLT DATA



Aluminum poles are designed for the combined effects of both wind dead load. The wind load effects have been analyzed with wind velocities ranging from 70 to 110 mph plus a 1.3 gust factor. Due to varying wind effects, height correction factors and drag coefficients have been applied to the entire structure. The dead load effects have been determined by using a final deflected position analysis to account for secondary moments caused by dead loads.

All Aluminum pole shafts are extruded from all new seamless 6063 alloy aluminum tubing and is heat treated to T6 temper. The top of the pole may be drilled or equipped with a top tenon for mounting luminaires

The anchor base consists of a permanent mold casting from A356 alloy aluminum. the shaft shall be inserted into the base casting and joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base casting. Anchor bolts are heat treated to a T6 temper after all structural welding has been completed.

Furnished with each standard are four hot dip galvanized anchor bolts, each with double nuts and double washers. Each anchor bolt assembly is provided with a 4" tail. Anchor bolt settings are provided to the customer with each shipment.

All Aluminum poles are polished with fine grain aluminum oxide clothes, resulting in a high quality longitudinal satin brushed finish.. Aluminum poles can also be primed and painted per the agencies specifications.

SEQUOIA LIGHTING CORPORATION

MANUFACTURERS OF QUALITY LIGHTING PRODUCTS

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Round Tapered Aluminum Poles (8'-23')

Catalog Number	Gross Weight (Lbs)	STRUCTURE DATA						
		Pole Shaft Data				Base Plate Data		Anchor Bolt Data
		Base O.D. (in)	Top O.D. (in)	Wall Thick (in)	Shaft Length (ft)	Bolt Circle Range (in)	Plate Width (in)	Dia x Lgth x Hk
SL-RTAP-08-40-A9-AB	30	4.0	3.0	.125	7.67	6.5-8.25	8.75	.75 x 15 x 3
SL-RTAP-10-40-A9-AB	33	4.0	3.0	.125	9.67	6.5-8.25	8.75	.75 x 15 x 3
SL-RTAP-10-50-A9-AB	37	5.0	3.0	.125	9.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-12-40-A9-AB	37	4.0	3.0	.125	11.67	6.5-8.25	8.75	.75 x 15 x 3
SL-RTAP-12-50-A9-AB	42	5.0	3.0	.125	11.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-12-50-B9-AB	48	5.0	3.0	.156	11.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-12-50-V9-AB	54	5.0	3.0	.188	11.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-14-40-A9-AB	40	4.0	3.0	.125	13.67	6.5-8.25	8.75	.75 x 15 x 3
SL-RTAP-14-50-A9-AB	46	5.0	3.0	.125	13.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-14-50-B9-AB	53	5.0	3.0	.156	13.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-14-50-V9-AB	61	5.0	3.0	.188	13.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-16-40-A9-AB	44	4.0	3.0	.125	15.67	6.5-8.25	8.75	.75 x 15 x 3
SL-RTAP-16-50-A9-AB	49	5.0	3.0	.125	15.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-16-50-B9-AB	59	5.0	3.0	.156	15.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-16-50-V9-AB	68	5.0	3.0	.188	15.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-16-60-B9-AB	74	6.0	4.0	.156	15.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-16-60-V9-AB	84	6.0	4.0	.188	15.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-18-50-A9-AB	53	5.0	3.0	.125	17.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-18-50-B9-AB	63	5.0	3.0	.156	17.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-18-50-V9-AB	73	5.0	3.0	.188	17.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-18-60-B9-AB	81	6.0	4.0	.156	17.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-18-60-V9-AB	92	6.0	4.0	.188	17.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-18-70-B9-AB	109	7.0	4.0	.156	17.67	9.875-11.25	10.63	1 x 36 x 4
SL-RTAP-20-50-A9-AB	56	5.0	3.0	.125	19.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-20-50-B9-AB	68	5.0	3.0	.156	19.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-20-50-V9-AB	79	5.0	3.0	.188	19.67	7.5-9.5	9.25	.75 x 15 x 3
SL-RTAP-20-60-B9-AB	84	6.0	4.0	.156	19.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-20-60-V9-AB	97	6.0	4.0	.188	19.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-20-70-B9-AB	114	7.0	4.0	.156	19.67	9.875-11.25	10.63	1 x 36 x 4
SL-RTAP-23-60-B9-AB	95	6.0	4.0	.156	22.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-23-60-V9-AB	107	6.0	4.0	.188	22.67	8.75-10.25	10.25	.75 x 25 x 4
SL-RTAP-23-70-B9-AB	122	7.0	4.0	.156	22.67	9.875-11.25	10.63	1 x 36 x 4
SL-RTAP-23-80-B9-AB	134	8.0	4.5	.156	22.67	11-12.125	11.63	1 x 36 x 4
SL-RTAP-23-80-V9-AB	153	8.0	4.5	.188	22.67	11-12.125	11.63	1 x 36 x 4