

DESIGN RTA

UNITED LIGHTING STANDARDS, INC.

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Pole Shaft Specifications



The shaft is spun tapered from all new seamless 6063 alloy aluminum tubing and heat-treated to produce a T6 temper. Each shaft has a 6" long straight section at the top which may be drilled to manufacturer's specifications for mounting luminaires.* The shaft is gracefully cone tapered to the butt diameter.

*We reserve the right to use a pole top adaptor for the use of direct mounting of fixtures as deemed necessary.

Anchor Base

Cast from A356 alloy aluminum, the anchor base shall be heat-treated to produce a T6 condition. The shaft shall be inserted into the anchor base casting. The anchor base casting and shaft shall be joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base. Aluminum nut covers are supplied to cover exposed bolt and nut.

Round Tapered Aluminum Poles

Catalog No.	Mounting Height (Ft.)	*Effective Projected Area (Sq. Ft.)				Shaft Size		Wall Thickness	Bolt Circle (")	Bolt Size (")	Base Plate Size (L x W)
		80	90	100	120	Butt (")	Top (")				
RTA-745202	20	15.9	12.2	9.7	6.2	7	4.5	.156	10.5	1 x 40	11.5 x 11.5
RTA-745222	22	12.3	9.2	7.2	4.7	7	4.5	.156	10.5	1 x 40	11.5 x 11.5
RTA-745252	25	10.3	7.6	5.9	3.7	7	4.5	.156	10.5	1 x 40	11.5 x 11.5
RTA-845252	25	15.3	11.7	9.2	5.7	8	4.5	.156	11.5	1 x 40	12.0 x 12.0
RTA-845272	27	12.0	9.2	7.1	4.1	8	4.5	.156	11.5	1 x 40	12.0 x 12.0
RTA-845273	27	15.6	11.9	9.4	6.0	8	4.5	.188	11.5	1 x 40	12.0 x 12.0
RTA-845302	30	10.2	7.7	5.9	3.5	8	4.5	.156	11.5	1 x 40	12.0 x 12.0
RTA-845303	30	13.3	10.4	7.9	5.0	8	4.5	.188	11.5	1 x 40	12.0 x 12.0
RTA-845304	30	19.4	14.9	11.7	7.4	8	4.5	.250	11.5	1 x 40	12.0 x 12.0
RTA-845353	35	9.2	6.8	5.1	2.8	8	4.5	.188	11.5	1 x 40	12.0 x 12.0
RTA-845354	35	14.1	10.7	8.3	4.9	8	4.5	.250	11.5	1 x 40	12.0 x 12.0
RTA-845393	39	6.5	4.6	3.2	1.4	8	4.5	.188	11.5	1 x 40	12.0 x 12.0
RTA-845394	39	10.8	7.9	6.1	3.3	8	4.5	.250	11.5	1 x 40	12.0 x 12.0

*EPA ratings include 1.3 gust factor.

Anchor Bolts should be set using factory supplied anchor bolt templates.

Vibration dampeners are suggested for poles 30 feet and above.

Round Tapered Aluminum Poles 20-39 Ft.