

# RTSP Round Tapered Steel Poles



**RTSP**

## Pole Shaft

The pole shaft is one or two section design, each section being fabricated from standard 11 gauge (0.1196"), 7 gauge (0.1793"), or 3 gauge (0.2391") steel. The pole shaft material is a weldable grade hot rolled commercial quality carbon steel with a guaranteed minimum yield strength of 55,000 psi after fabrication. Each section is one-piece construction with a full length longitudinal weld and is cylindrical in cross-section having a uniform taper of 0.14 inches of diameter change per foot of length.

## Base Plate

The anchor base is fabricated from structural quality hot rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base telescopes the pole shaft and is circumferentially welded top and bottom. All welds are performed in accordance with the American Welding Society specification AWS D1.1, latest edition.

## Anchor Bolts

Anchor bolts are fabricated from commercial quality hot rolled carbon steel bar that meets or exceeds a minimum yield strength of 55,000 psi. Four properly sized anchor bolts, each with two regular hex nuts and washers, are furnished and shipped with all poles unless otherwise specified. Anchor bolts shall have the threaded end galvanized a minimum of 8 inches in accordance with ASTM A-153. Fully galvanized anchor bolts are available upon request.

## Handhole

An oval reinforced gasketed handhole, having a nominal 3" x 5" or 4" x 6-1/2" inside opening, located 1'-6" above base, is standard on all poles. Optional 5" x 8" and 4" x 10" handholes are available (see options). A grounding provision is located inside the handhole ring.

## Finishes

The [Standard Finish](#) is a polyester thermosetting powder coating applied to the surface of the substrate to a minimum of 3 mils for all color finishes. [Hot dip Galvanized](#) finish to a ASTM A-123 specification or primed finish is also available. For optional finishes, see [K-KLAD](#) and [K-KLAD Over Galvanizing](#).

## HOW TO ORDER

When ordering KW lighting standards, mounting adaptors and accessories, be sure to specify the complete catalog number. Our catalog numbers reflect the precise specifications of the item ordered to ensure our customers will receive the product which meets their exact requirements.

The following explanation of the catalog numbers will be helpful in placing orders:

### CATALOG LOGIC - ORDERING SAMPLE



Catalog Number	Nominal Height	Pole Shaft	Gauge	Handhole Size	Anchor Bolt	Bolt Circle	80 MPH	90 MPH	100 MPH	Ship WT.	Select
RTSP10-4.5-11	10	4.5 x 3.1 x 10.0	11	3 x 5.0	0.75 x 17 x 3	8	45.6	37.2	30.7	72	<a href="#">Configure</a>
RTSP12-4.8-11	12	4.8 x 3.1 x 12.0	11	3 x 5.0	0.75 x 17 x 3	8	42.3	34.6	28.6	84	<a href="#">Configure</a>
RTSP14-5.1-11	14	5.1 x 3.1 x 14.0	11	3 x 5.0	0.75 x 17 x 3	8	40	32.7	27	96	<a href="#">Configure</a>
RTSP15-5.4-11	15	5.4 x 3.3 x 15.0	11	3 x 5.0	0.75 x 17 x 3	8	33.5	27	22	104	<a href="#">Configure</a>
RTSP16-5.4-11	16	5.4 x 3.1 x 16.0	11	3 x 5.0	0.75 x 17 x 3	8	32.3	26.3	21.6	109	<a href="#">Configure</a>
RTSP18-5.6-11	18	5.6 x 3.1 x 18.0	11	3 x 5.0	0.75 x 17 x 3	8	28.6	23.1	18.9	122	<a href="#">Configure</a>
RTSP20-5.9-11	20	6.1 x 3.3 x 20.0	11	3 x 5.0	0.75 x 30 x 3	9.5	22.7	18.1	14.6	149	<a href="#">Configure</a>
RTSP20-6.5-11	20	6.5 x 3.7 x 20.0	11	4 x 6.5	1.00 x 36 x 4	9.5	42	34	27	188	<a href="#">Configure</a>
RTSP20-6.1-11	20	6.1 x 3.3 x 20.0	11	3 x 5.0	0.75 x 30 x 3	9.5	22.7	18.1	14.6	173	<a href="#">Configure</a>
RTSP25-6.1-11	25	6.1 x 2.6 x 25.0	11	3 x 5.0	0.75 x 30 x 3	9.5	16.7	13.3	10.6	173	<a href="#">Configure</a>
RTSP25-6.6-11	25	6.8 x 3.3 x 25.0	11	4 x 6.5	0.75 x 30 x 3	10	18.9	14.8	11.6	190	<a href="#">Configure</a>
RTSP25-7.0-11	25	6.8 x 3.3 x 25.0	11	4 x 6.5	1.00 x 36 x 4	10	35	24.6	20	230	<a href="#">Configure</a>
RTSP25-7.5-11	25	7.5 x 4.0 x 25.0	11	4 x 6.5	1.00 x 36 x 4	10.5	42	32	26	253	<a href="#">Configure</a>
RTSP25-6.8-11	25	6.8 x 3.3 x 25.0	11	4 x 6.5	0.75 x 30 x 3	10	27	21	15	213	<a href="#">Configure</a>
RTSP30-6.8-11	30	6.8 x 2.6 x 30.0	11	4 x 6.5	0.75 x 30 x 3	10	14	10.8	8.3	213	<a href="#">Configure</a>
RTSP30-7.5-11	30	7.5 x 3.3 x 30.0	11	4 x 6.5	1.00 x 36 x 4	10.5	22.1	17.5	13.9	265	<a href="#">Configure</a>
RTSP30-8.0-11	30	8.1 x 3.9 x 30.0	11	4 x 6.5	1.00 x 36 x 4	11	24.8	19.4	15.3	293	<a href="#">Configure</a>
RTSP30-8.5-11	30	8.5 x 4.3 x 30.0	11	4 x 6.5	1.00 x 36 x 4	11.5	29.1	22.8	18	309	<a href="#">Configure</a>
RTSP30-9.0-11	30	9.0 x 4.8 x 30.0	11	4 x 6.5	1.00 x 36 x 4	12.5	32.5	25.5	20.1	331	<a href="#">Configure</a>
RTSP30-9.0-7	30	9.0 x 4.8 x 30.0	7	4 x 6.5	1.25 x 42 x 6	12.5	54.5	43.6	35.3	493	<a href="#">Configure</a>
RTSP30-10.0-11	30	10.0 x 5.8 x 30.0	11	4 x 6.5	1.00 x 36 x 4	13.5	41	31.5	24	388	<a href="#">Configure</a>
RTSP30-11.0-7	30	11.0 x 6.8 x 30.0	7	4 x 6.5	1.25 x 42 x 6	15	62	47	37	720	<a href="#">Configure</a>
RTSP35-7.5-11	35	7.5 x 2.6 x 35.0	11	4 x 6.5	1.00 x 36 x 4	10.5	15.7	12.3	9.7	283	<a href="#">Configure</a>
RTSP35-8.0-11	35	8.1 x 3.2 x 35.0	11	4 x 6.5	1.00 x 36 x 4	11	17.3	13.4	10.4	311	<a href="#">Configure</a>
RTSP35-8.5-11	35	8.5 x 3.6 x 35.0	11	4 x 6.5	1.00 x 36 x 4	11.5	21.8	16.9	13.1	338	<a href="#">Configure</a>
RTSP35-9.0-11	35	9.0 x 4.1 x 35.0	11	4 x 6.5	1.00 x 36 x 4	12.5	24.6	19	14.7	358	<a href="#">Configure</a>
RTSP35-9.0-7	35	9.0 x 4.1 x 35.0	7	4 x 6.5	1.25 x 42 x 6	12.5	42.3	33.7	27.1	534	<a href="#">Configure</a>

RTSP33-11.0-7	33	11.0 x 8.1 x 33.0	7	4 x 6.5	1.25 x 42 x 6	15	62	47	37	720	Configure
RTSP39-8.1-11	39	8.1 x 2.6 x 39.0	11	4 x 6.5	1.00 x 36 x 4	11	13.7	10.5	8	327	Configure
RTSP39-9.0-11	39	9.0 x 3.5 x 39.0	11	4 x 6.5	1.00 x 36 x 4	12.5	19.6	14.9	11.2	376	Configure
RTSP39-9.0-7	39	9.0 x 3.5 x 39.0	7	4 x 6.5	1.25 x 42 x 6	12.5	37.5	29	22.5	597	Configure
RTSP39-10.0-11	39	10.0 x 4.5 x 39.0	11	4 x 6.5	1.00 x 36 x 4	13.5	26	18	17	480	Configure
RTSP39-11.0-7	39	11.0 x 5.5 x 39.0	7	4 x 6.5	1.25 x 42 x 6	15	47	36.5	28.4	720	Configure
RTSP39-14.0-7	39	14.0 x 8.5 x 39.0	7	4 x 6.5	1.50 x 54 x 6	20	101.8	80	63.5	1075	Configure
RTSP39-12.0-7	39	12.0 x 6.5 x 39.0	7	4 x 6.5	1.50 x 54 x 6	16	85	67	52	949	Configure
RTSP45-10.0-11	45	10.0 x 4.6 x 39.0 5.02 x 3.9 x 7.75	11 11	4 x 6.5	1.00 x 36 x 4	13.5	18.3	13.2	9.3	488	Configure
RTSP45-11.0-7	45	11.0 x 5.5 x 39.0 6.10 x 4.9 x 8.30	7 11	4 x 6.5	1.25 x 42 x 6	15	36.8	28.5	22	800	Configure
RTSP45-12.0-7	45	12.0 x 7.8 x 30.0 8.5 x 5.95 x 18.25	7 11	4 x 6.5	1.5 x 54 x 6	16	66	50	39	1008	Configure
RTSP45-12.5-3	45	12.5 x 8.3 x 30.0 9.0 x 6.6 x 17.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	70	54	41	1342	Configure
RTSP45-14.0-7	45	14.0 x 8.3 x 41.0 9.0 x 8.0 x 7.0	7 11	4 x 6.5	1.50 x 54 x 6	20	80	60	45	1272	Configure
RTSP45-14.0-3	45	14.0 x 8.3 x 41.0 9.0 x 8.0 x 7.0	3 7	4 x 6.5	1.75 x 84 x 6	20	113	87	68	1729	Configure
RTSP50-10.0-11	50	10.0 x 4.6 x 39.0 5.02 x 3.2 x 12.75	11 11	4 x 6.5	1.00 x 36 x 4	13.5	12.9	8.9	5.7	510	Configure
RTSP50-11.0-7	50	11.0 x 5.5 x 39.0 6.10 x 4.2 x 13.3	7 11	4 x 6.5	1.25 x 42 x 6	15	27.3	20.6	15.4	802	Configure
RTSP50-12.0-7	50	12.0 x 7.8 x 30.0 8.5 x 5.3 x 23.25	7 11	4 x 6.5	1.50 x 54 x 6	16	42.1	33.4	26.8	937	Configure
RTSP50-14.0-7	50	14.0 x 8.3 x 41.0 9.0 x 7.3 x 12.0	7 11	4 x 6.5	1.50 x 54 x 6	20	64	47	34	1323	Configure
RTSP50-14.0-3	50	14.0 x 8.3 x 41.0 9.0 x 7.3 x 12.0	3 7	4 x 6.5	1.75 x 54 x 6	20	93	72	55	1807	Configure
RTSP50-12.5-3	50	12.5 x 8.3 x 30.0 9.0 x 5.9 x 22.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	27.4	19	12.6	1331	Configure
RTSP55-12.0-7	55	12.0 x 7.8 x 30.0 8.5 x 4.6 x 28.25	7 11	4 x 6.5	1.50 x 54 x 6	16	21	19	13	970	Configure
RTSP55-14.0-7	55	14.0 x 8.5 x 39.0 9.00 x 6.5 x 17.8	7 11	4 x 6.5	1.50 x 54 x 6	20	33.2	23.4	15.9	1254	Configure
RTSP55-12.5-3	55	12.5 x 8.3 x 30.0 9.00 x 5.2 x 27.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	27.4	19	12.6	1331	Configure
RTSP55-14.0-3	55	14.0 x 8.3 x 41.0 9.00 x 6.7 x 16.7	3 7	4 x 6.5	1.75 x 84 x 6	20	50.4	37.5	27.6	1646	Configure
RTSP60-12.0-7	60	12.0 x 7.8 x 30.0 8.5 x 3.8 x 33.25	7 11	4 x 6.5	1.50 x 54 x 6	16	15.7	11.2	7.9	1011	Configure
RTSP60-14.0-7	60	14.0 x 8.5 x 39.0 9.00 x 5.8 x 22.6	7 11	4 x 6.5	1.50 x 54 x 6	20	26.7	17.9	11.2	1299	Configure
RTSP60-12.5-3	60	12.5 x 8.3 x 30.0 9.00 x 4.5 x 32.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	21.9	14.4	8.8	1375	Configure
RTSP60-14.0-3	60	14.0 x 8.3 x 41.0 9.00 x 6.0 x 21.7	3 7	4 x 6.5	1.75 x 84 x 6	20	41.8	30.3	21.5	1705	Configure
RTSP65-14.0-7	65	14.0 x 8.5 x 39.0 9.00 x 5.1 x 27.6	7 11	4 x 6.5	1.50 x 54 x 6	20	21.1	13.3	7.3	1333	Configure
RTSP65-12.5-3	65	12.5 x 8.3 x 30.0 9.00 x 3.8 x 37.4	3 7	4 x 6.5	1.50 x 54 x 6	16.5	17.2	10.6	5.6	1413	Configure
RTSP65-14.0-3	65	14.0 x 8.3 x 41.0 9.00 x 5.3 x 26.7	3 7	4 x 6.5	1.75 x 84 x 6	20	34.5	24.3	16.5	1757	Configure
RTSP70-14.0-7	70	14.0 x 8.5 x 39.0 9.00 x 4.4 x 32.6	7 11	4 x 6.5	1.50 x 54 x 6	20	15.6	8.9	3.7	1363	Configure
RTSP70-14.0-3	70	14.0 x 8.3 x 41.0 9.00 x 4.6 x 31.7	3 7	4 x 6.5	1.75 x 84 x 6	20	26.8	18.1	11.4	1803	Configure

## FINISHES

Standard	Galvanized	K-KLAD	K-KLAD Over Galvanizing
<b>BRZ</b> Bronze	<b>G</b> Galvanized	<b>K813</b> Bronze	<b>KZ13</b> Bronze
<b>BLK</b> Black		<b>K821</b> Black	<b>KZ21</b> Black
<b>GRY</b> Gray		<b>K841</b> Gray	<b>KZ41</b> Gray
<b>GRN</b> Green		<b>K891</b> Green	<b>KZ91</b> Green
<b>WHT</b> White		<b>K881</b> White	<b>KZ81</b> White
<b>P</b> Primed		<b>K845</b> Natural Aluminum	<b>KZ45</b> Natural Aluminum
<b>NA</b> Natural Aluminum			

1 YEAR WARRANTY

5 YEAR WARRANTY

10 YEAR WARRANTY

## MOUNTING DESIGNATIONS

### Tenon Mount

<b>2</b>	2 3/8 " x 4 " TENON
<b>3</b>	2 7/8 " x 4 " TENON
<b>3.5</b>	3 1/2 " x 6 " TENON
<b>4</b>	4 " x 6 " TENON

### Drill Mount

<b>DM10</b>	Drilled for 1 Luminaire
<b>DM2090</b>	Drilled for 2 Luminaires @ 90°
<b>DM2180</b>	Drilled for 2 Luminaires @ 180°
<b>DM3090</b>	Drilled for 3 Luminaires @ 90°
<b>DM3120</b>	Drilled for 3 Luminaires @ 120°
<b>DM4090</b>	Drilled for 4 Luminaires @ 90°

### Gain Mount

<b>GMT4</b>	attachment for CXA
<b>GMT9</b>	attachment for CXASQ

### Open Mount

<b>OT</b>	Open Top
<b>OTC</b>	Open Top includes Pole Cap

There are numerous options that can be ordered. Please indicate these selections under the options column in the catalog number. Example: CPL-WPR2-BC-CS-SC.

**Accessories**

- BC** Base Cover
- NC** Nut Covers
- CPL** Threaded Coupling\*
- NPL** Threaded Nipple\*
- WPR2** Weatherproof Duplex Receptacle\*\*
- WPRP** Festoon Opening\*\*
- CS** Climbing Steps
- SC** Safety Cable

Poles ordered with climbing steps will include provisions for safety cable mounting.  
Poles ordered with safety cable will be provided with one safety device and belt per order unless otherwise requested.

**Optional Handholes**

- 58HH** 5 " x 8 " Handhole\*
- 410HH** 4 " x 10 " Handhole\*

**Extra Handholes**

- XHH** Extra Handhole\*

**Embedment Pole Options**

- E** Embedded Pole
- GS** Ground Sleeve
- CTE** Coal Tar Epoxy

**For Embedment Poles:**

Recommended Mounting Height	Recommended Embedment Depth
Less than 20'	4'
20' - 33'	6'
34' - 39'	7'
40' - 60'	10'

**Additional Simplex**

- 1S** 1 @ 0° \*
- 2S** 2 @ 180° \*
- 3S** 3 @ 90° \*
- 4S** 4 @ 90° \*

Greater embedment depths are available upon request.  
Embedment poles greater than 60' are not available.

\* Please advise size, location, and orientation. (Handholes are restricted by size of pole shaft diameter)  
\*\* Located 24" above baseplate and same side as handhole. (No electrical included)

**PACKAGING**

Immediately after coating, the lighting standard including the baseplate shall be wrapped in heavy corrugation specially designed and sized to achieve maximum protection in transit.

KW Industries, Inc. coating process system and stringent quality control procedures provide our customer the finest quality lighting standards in the industry.

**Printer Friendly View**