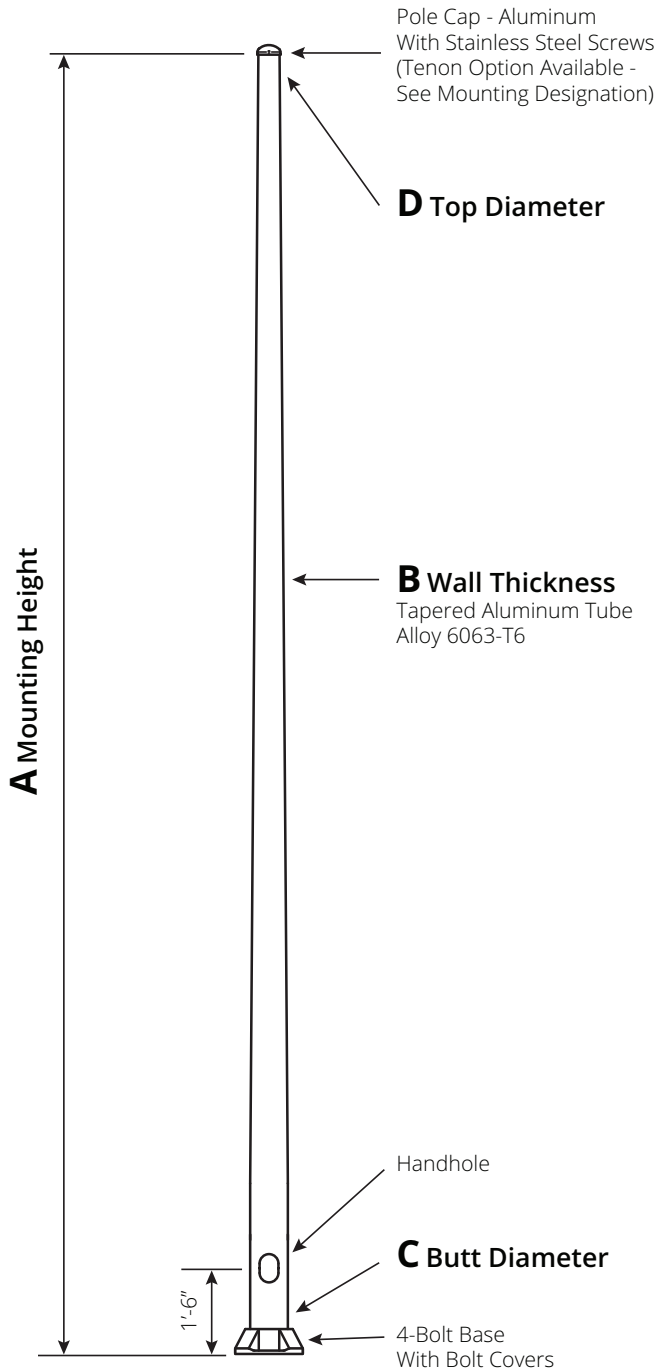


RTA

ROUND TAPERED ALUMINUM POLE NO ARM — 4-BOLT BASE



Satin Aluminum or Powder Coated Finish per Customer Specification.

C (Butt Dia.)	D (Top Dia.)	F (Bolt Cir. Dia.)	G (Base Sq.)	H (Bolt Proj.)	I (Bolt Size)
4	3	6.5 - 8	7.5	2	.75 x 17 x 3
5	3	7.5 - 8	7.5	2	.75 x 17 x 3
6	4.5	9 - 10	9.75	2.75	.75 x 30 x 3*
7	4.5	10 - 11	10.5	2.75	1 x 36 x 4
8	4.5	11 - 12	11.25	2.75	1 x 36 x 4
9	4.5	12.5 - 14	12.75	2.75	1 x 36 x 4
10 up to .250"	6	14 - 15	14	3.25	1 x 48 x 4
10 .312"	6	14 - 15	14	3.25	1.25 x 48 x 6

*1" x 36" x 4" Anchor Bolts can be specified for 6" butt diameter poles. All dimensions in inches.

Pole

The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated after base weld to produce a T6 temper.

Base Style

4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Bolt Covers (Alloy 356-F) and Stainless Steel Hex Head Attaching Screws.



Handhole

4"-5" Butt Diameters - 2" x 4" Handhole with curved Lap Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision incorporating a tapped 1/4"-20NC hole is provided.

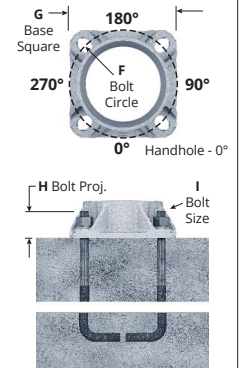
6" Butt Diameter - Reinforced, 3" x 5" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. A Grounding Provision incorporating a 3/8" diameter hole is provided opposite the Handhole.

7"+ Butt Diameters - Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.

Anchorage

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153.

Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.

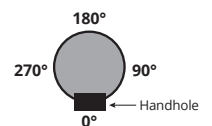


Vibration Damper

When determined necessary by Big Shine LED, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation

Side Drill Mount



Tenon Mount - Welded or Spun

For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.). Tenon style is factory option. Welded Tenon can be specified.



A Mtg. Hgt.	B Wall Thickness	C Butt Diameter	Total Lum. Weight	Maximum EPA					Model Num.
				90	100	110	120	130	
6	0.125"	4	100	17.6	14.2	13.2	11.0	9.2	BSL-RTA-06-D-8-B-4-***
8	0.125"	4	100	11.8	9.4	8.6	7.0	5.8	BSL-RTA-08-B-4-A-4-***
8	0.188"	4	100	17.2	13.8	12.8	10.6	8.8	BSL-RTA-08-D-4-A-4-***
10	0.125"	4	75	8.4	6.6	6.0	4.8	4.0	BSL-RTA-10-B-4-A-4-***
10	0.188"	4	100	12.6	10.0	9.2	7.4	6.2	BSL-RTA-10-D-4-A-4-***
10	0.125"	5	100	16.6	13.0	12.2	10.0	8.2	BSL-RTA-10-B-5-A-4-***
10	0.188"	5	100	24.6	19.6	18.2	15.2	12.6	BSL-RTA-10-D-5-A-4-***
12	0.125"	4	50	6.4	4.8	4.4	3.4	2.6	BSL-RTA-12-B-4-A-4-***
12	0.188"	4	85	9.6	7.4	6.8	5.6	4.4	BSL-RTA-12-D-4-A-4-***
12	0.125"	5	100	12.6	10.0	9.2	7.4	6.2	BSL-RTA-12-B-5-A-4-***
12	0.156"	5	100	16.6	13.0	12.2	10.0	8.2	BSL-RTA-12-C-5-A-4-***
12	0.188"	5	100	24.6	19.6	18.2	15.2	12.6	BSL-RTA-12-D-5-A-4-***
14	0.125"	4	25	4.8	3.6	3.2	2.4	1.8	BSL-RTA-14-B-4-A-4-***
14	0.188"	4	60	7.6	5.8	5.2	4.0	3.2	BSL-RTA-14-D-4-A-4-***
14	0.125"	5	90	10.0	7.6	7.0	5.6	4.4	BSL-RTA-14-B-5-A-4-***
14	0.156"	5	100	12.8	9.8	9.0	7.4	6.0	BSL-RTA-14-C-5-A-4-***
14	0.188"	5	100	15.4	12.0	11.2	9.0	7.4	BSL-RTA-14-D-5-A-4-***
16	0.188"	4	35	6.0	4.4	4.0	3.0	2.2	BSL-RTA-16-D-4-A-4-***
16	0.125"	5	60	8.0	6.0	5.4	4.2	3.2	BSL-RTA-16-B-5-A-4-***
16	0.156"	5	85	10.2	7.8	7.2	5.6	4.4	BSL-RTA-16-C-5-A-4-***
16	0.156"	5	90	9.8	7.4	6.6	5.2	4.4	BSL-RTA-16-C-5-B-4-***
16	0.188"	5	100	12.6	9.8	9.0	7.2	5.8	BSL-RTA-16-D-5-A-4-***
16	0.188"	6	100	24.2	19.0	17.6	14.6	12.2	BSL-RTA-16-D-6-B-4-***
18	0.125"	5	40	6.4	4.6	4.2	3.0	2.2	BSL-RTA-18-B-5-A-4-***
18	0.156"	5	60	8.2	6.2	5.6	4.2	3.4	BSL-RTA-18-C-5-A-4-***
18	0.188"	5	85	10.2	7.8	7.0	5.4	4.4	BSL-RTA-18-D-5-A-4-***
18	0.156"	6	100	16.2	12.4	11.6	9.4	7.8	BSL-RTA-18-C-6-B-4-***
18	0.188"	6	100	20.0	15.6	14.4	11.8	10.0	BSL-RTA-18-D-6-B-4-***
18	0.156"	7	100	24.0	18.8	17.4	14.4	12.0	BSL-RTA-18-C-7-B-4-***
20	0.125"	5	30	5.0	3.4	3.0	2.0	1.4	BSL-RTA-20-B-5-A-4-***
20	0.156"	5	40	6.6	4.8	4.2	3.2	2.2	BSL-RTA-20-C-5-A-4-***
20	0.188"	5	55	8.4	6.2	5.6	4.2	3.2	BSL-RTA-20-D-5-A-4-***
20	0.125"	6	85	10.0	7.4	6.8	5.4	4.4	BSL-RTA-20-B-6-B-4-***
20	0.156"	6	100	13.2	10.0	9.2	7.4	6.2	BSL-RTA-20-C-6-B-4-***
20	0.188"	6	100	16.6	12.8	11.8	9.6	8.0	BSL-RTA-20-D-6-B-4-***
20	0.156"	7	100	20.2	15.6	14.4	11.8	10.0	BSL-RTA-20-C-7-B-4-***
20	0.188"	7	100	24.8	19.6	18.0	14.8	12.4	BSL-RTA-20-D-7-B-4-***
20	0.156"	8	100	28.0	22.2	20.6	17.0	14.2	BSL-RTA-20-C-8-B-4-***
20	0.188"	8	100	34.4	27.2	25.4	21.0	17.6	BSL-RTA-20-D-8-B-4-***
25	0.156"	6	60	8.0	5.6	5.0	4.0	3.2	BSL-RTA-25-C-6-B-4-***
25	0.188"	6	85	10.4	7.6	7.0	5.4	4.4	BSL-RTA-25-D-6-B-4-***
25	0.156"	7	100	13.0	9.8	9.0	7.2	5.8	BSL-RTA-25-C-7-B-4-***
25	0.188"	7	100	16.6	12.8	11.6	9.4	7.8	BSL-RTA-25-D-7-B-4-***
25	0.156"	8	100	19.0	14.8	13.6	11.0	9.2	BSL-RTA-25-C-8-B-4-***
25	0.188"	8	100	23.8	18.6	17.2	14.0	11.8	BSL-RTA-25-D-8-B-4-***
25	0.219"	8	100	28.4	22.2	20.6	17.0	14.2	BSL-RTA-25-E-8-B-4-***
25	0.250"	8	100	32.8	25.8	24.0	19.8	16.6	BSL-RTA-25-F-8-B-4-***
25	0.156"	9	100	25.8	20.2	18.8	15.4	13.0	BSL-RTA-25-C-9-B-4-***
25	0.156"	10	100	33.6	27.0	25.0	20.8	17.4	BSL-RTA-25-C-1-C-4-***
30	0.156"	7	60	8.4	5.8	5.2	4.0	3.0	BSL-RTA-30-C-7-B-4-***
30	0.188"	7	90	11.0	8.0	7.2	5.6	4.6	BSL-RTA-30-D-7-B-4-***
30	0.156"	8	100	13.0	9.6	8.8	7.0	5.6	BSL-RTA-30-C-8-B-4-***
30	0.188"	8	100	16.8	12.6	11.6	9.4	7.6	BSL-RTA-30-D-8-B-4-***
30	0.219"	8	100	20.4	15.6	14.4	11.6	9.6	BSL-RTA-30-E-8-B-4-***
30	0.250"	8	100	23.8	18.4	17.0	13.8	11.6	BSL-RTA-30-F-8-B-4-***
30	0.188"	9	100	23.2	18.0	16.6	13.6	11.4	BSL-RTA-30-D-9-B-4-***
30	0.250"	9	100	32.4	25.6	23.6	19.6	16.4	BSL-RTA-30-F-9-B-4-***
30	0.188"	10	100	30.8	24.4	22.8	18.8	15.8	BSL-RTA-30-D-1-C-4-***
30	0.250"	10	100	42.4	33.8	31.6	26.2	22.0	BSL-RTA-30-F-1-C-4-***
35	0.156"	8	55	8.6	6.0	5.4	4.0	3.0	BSL-RTA-35-C-8-B-4-***
35	0.188"	8	90	11.6	8.4	7.6	5.8	4.6	BSL-RTA-35-D-8-B-4-***
35	0.219"	8	100	14.4	10.8	9.8	7.6	6.2	BSL-RTA-35-E-8-B-4-***
35	0.250"	8	100	17.4	13.0	12.0	9.6	7.8	BSL-RTA-35-F-8-B-4-***
35	0.188"	9	100	16.8	12.8	11.6	9.4	7.6	BSL-RTA-35-D-9-B-4-***
35	0.250"	9	100	24.4	19.0	17.4	14.2	11.8	BSL-RTA-35-F-9-B-4-***
35	0.188"	10	100	23.0	18.2	16.8	13.8	11.4	BSL-RTA-35-D-1-C-4-***
35	0.219"	10	100	27.8	22.0	20.4	16.8	14.0	BSL-RTA-35-E-1-C-4-***
35	0.250"	10	100	32.6	25.8	24.0	19.8	16.6	BSL-RTA-35-F-1-C-4-***
35	0.312"	10	100	41.8	33.4	31.0	25.6	21.6	BSL-RTA-35-G-1-C-4-***
40	0.188"	8	40	7.8	5.2	4.6	3.2	2.4	BSL-RTA-40-D-8-B-4-***
40	0.219"	8	70	10.0	7.0	6.2	4.6	3.6	BSL-RTA-40-E-8-B-4-***
40	0.250"	8	95	12.4	8.8	8.0	6.2	4.8	BSL-RTA-40-F-8-B-4-***
40	0.188"	9	95	11.8	8.6	7.8	6.0	4.8	BSL-RTA-40-D-9-B-4-***
40	0.250"	9	100	18.2	13.8	12.6	10.2	8.2	BSL-RTA-40-F-9-B-4-***
40	0.188"	10	100	17.0	13.2	12.2	9.8	8.0	BSL-RTA-40-D-1-C-4-***
40	0.219"	10	100	21.2	16.6	15.4	12.4	10.2	BSL-RTA-40-E-1-C-4-***
40	0.250"	10	100	25.2	19.8	18.4	15.0	12.4	BSL-RTA-40-F-1-C-4-***
40	0.312"	10	100	33.0	26.2	24.2	20.0	16.6	BSL-RTA-40-G-1-C-4-***

Model Number System

The model number for Big Shine LED poles utilizes the following identification system.



Model Number Example

BSL-RTA-30-D-8-B-4-01

Round Tapered Aluminum, 30' Mounting Height, .188" Wall Thickness, 8" Butt Diameter, 4.5" Top Diameter, 4-Bolt Base, Satin Aluminum Finish.

Wall Thickness

- B = .125"
- C = .156"
- D = .188"
- E = .219"
- F = .250"
- G = .312"

Butt Diameter

- 4 = 4"
- 5 = 5"
- 6 = 6"
- 7 = 7"
- 8 = 8"
- 9 = 9"
- 1 = 10"

Top Diameter

- A = 3"
- B = 4.5"
- C = 6"

Base Style

4 = 4-Bolt Base

Finish

- 01 = Satin Aluminum
- BA = Black Powder Coat
- BH = White Powder Coat
- BM = Dark Bronze Powder Coat
- BV = Dark Green Powder Coat
- GC = Gray Powder Coat
- ** = Specify Finish

EPA Notes:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.