

Round Straight Aluminum Light Poles-Direct Burial

Product Introduction

Pole Shaft - The pole shaft is extruded from seamless 6063-T6 aluminum.

Pole Top - A welded top tenon is provided for poles.

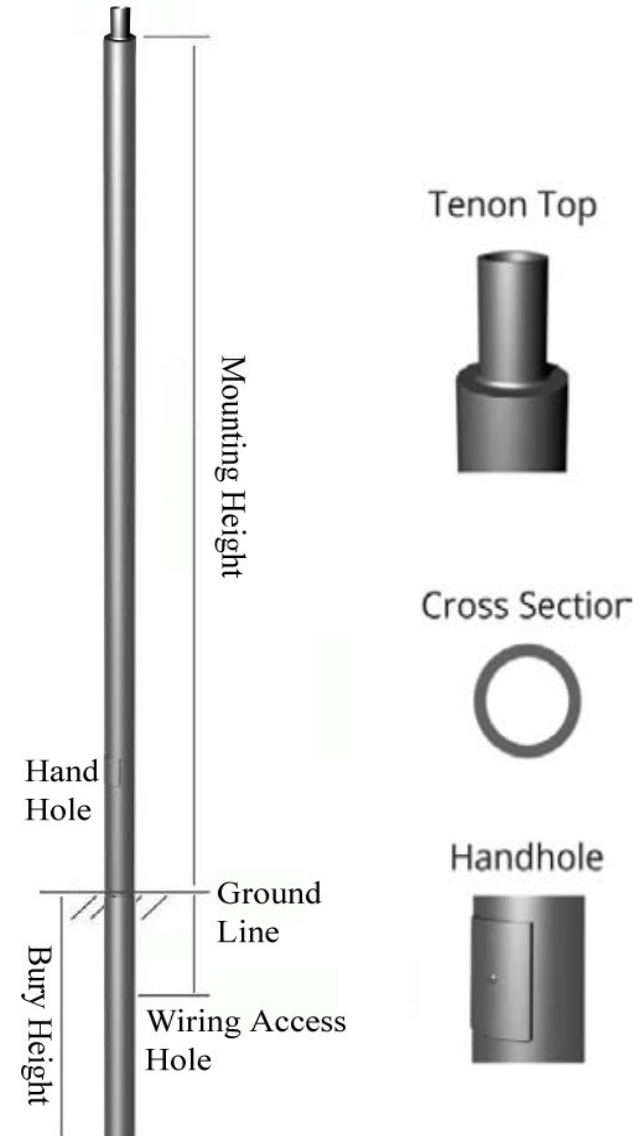
Hand Hole - An above ground 3" x 5" hand hole and grounding provision are provided. Cover and cover attachment hardware also included.

Embedment - An wiring access hole is prepared for the pole. It is located approximately 18" below grade.

Finish -Poles are powder coated. Before powder coating, the poles are treated by sand machine. It will increase the life span of the powder coating finish. This procedure is very unique in our workshop. The most popular color of powder coating is black and bronze. Please consult factory for special finishing colors.

Packaging - All poles are packaged in three layers and the finish is well protected.

Design Criteria - Standard EPA (Effective Projected Area) and weight values are based on Criteria (with 3 second gust factor) for side and top mounted fixtures only. Satisfactory performance of light poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.



Aluminum Round Pole's Technical Parameters

ITEM #	Shaft Height (ft)	Shaft Size (in)	Wall Thickness (in)	Base Plate Width (in)	Bolt Circle Dia. (in)	Anchor Bolts Dia x Len x Hook (in)	Max Loading Capacities (1.3 Gust Factor)		
							80 (mph)	90 (mph)	100 (mph)
							EPA (ft ²)	EPA (ft ²)	EPA (ft ²)
10ft-R4-11Ga.	10	4	0.12	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	6.7	5.1	3.7
10ft-R5-11Ga.	10	5	0.12	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	12.0	9.5	7.7
15ft-R4-11Ga.	15	4	0.12	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	2.1	1.2	0.7
15ft-R4-7Ga.	15	4	0.188	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	6.0	4.3	3.4
15ft-R5-11Ga.	15	5	0.12	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	5.2	3.9	3.1
15ft-R5-7Ga.	15	5	0.188	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	9.3	7.1	5.5
20ft-R4-11Ga.	20	4	0.12	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	0.7	-	-
20ft-R4-7Ga.	20	4	0.188	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	3.2	2.0	1.4
20ft-R5-11Ga.	20	5	0.12	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	2.7	1.8	1.3
20ft-R5-7Ga.	20	5	0.188	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	5.5	4.2	3.1
25ft-R4-7Ga.	25	4	0.188	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	1.1	-	-
25ft-R5-7Ga.	25	5	0.188	10.5 x 10.5 x 0.75	8~12	0.75 x 27.5 x 3	3.0	1.6	-

*EPA/Wt. data here is the maximum value; The EPA/Wt. of fixture(s) must be equal to or smaller than that;

POLE:

Pole shaft is extruded from 6063-T6 aluminum. Hand Hole is in size of 3"x5 " with grounding inside.

SURFACE FINISH:

Shot Blasting and then Polyester powder coating with temperature 200°C;