



Round Straight Aluminum Light Pole

Anchor Base

POLE SHAFT

- Extruded from seamless 6063-T6 aluminum

POLE TOP

- A removable top cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. Other pole top options include Tenon Top, Top Cap Only, or Open Top for installations in which the pole top diameter matches the slip-fit dimensions

HAND HOLE

- 2" x 4" oval hand hole, grounding provision, cover, and cover attachment hardware are included

ANCHOR BASE & COVER

- Cast from 356 alloy aluminum, the anchor base is supplied with a two-piece aluminum base cover. The completed pole assembly is heat-treated to a T6 temper. Decorative base covers are available as special order options

ANCHOR BOLTS

- Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end

HARDWARE

- Structural fasteners are galvanized high strength carbon steel. Non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel

FINISH

- Finishes include painted and anodized. For special finishing colors and fixture matching options, contact EiKO. Remove protective wrapping immediately upon delivery to prevent finish damage when storing outside

DESIGN CRITERIA

- Standard EPA (Effective Projected Area) and weight values are based on AASHTO 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

NOTE: Additional sizes and configurations are available upon request.

project name	type
catalog number	date



CONFIGURATOR

DESIGNATION	HEIGHT	BASE OD	TOP OD	THICKNESS	ANCHOR BOLTS	BASE TYPE	VIBRATION DAMPENER	FINISH TYPE	COLOR	FIXTURE MOUNTING						
PRA - Pole Round Aluminum	18 - 18'	40 - 4"	40 - 4"	D - 0.188"	AB - Anchor Bolts	SB - Std Base CB - Custom Base	[Blank]	P - Painted	BZ - Bronze	D1 - 0° D2 - 1@90°; 1@270° D3 - 1@0°; 1@120°; 1@240° D4 - 1@0°; 1@90°; 1@180°; 1@ 270° D5 - 1@0°; 1@270° D6 - 1@0°; 1@180°; 1@270° D7 - Cap Only, No Side Drilling D8 - Open Top, No Cap or Side Drilling T1 - 2.38" OD x 4" Long Tenon						
	20 - 20'			E - 0.250"		SB - Std Base										
	22 - 22'	50 - 5"	50 - 5"				VD - Vibration Dampener									
	25 - 25'															

EPA LOAD INFORMATION

ITEM #	80 MPH W/ 3SEC GUST		90 MPH W/ 3SEC GUST		100 MPH W/ 3SEC GUST		110 MPH W/ 3SEC GUST		120 MPH W/ 3SEC GUST	
	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)	MAX EPA (SQ FT)	MAX WEIGHT (LBS)
PRA-18-4040-D-AB-SB-P-BZ	5.8	100	3.9	100	2.5	100	1.9	100	1.1	100
PRA-20-4040-E-AB-SB-P-BZ	6.7	100	4.5	100	3	100	2.3	100	1.3	100
PRA-22-5050-E-AB-SB-P-BZ	10.3	125	7	125	4.7	125	3.7	125	2.3	125
PRA-25-5050-E-AB-SB-VD-P-BZ	7.4	125	4.6	125	2.6	125	1.8	125	0.6	125
PRA-18-4040-D-AB-CB-P-BZ	5.8	100	3.9	100	2.5	100	1.9	100	1.1	100
PRA-20-4040-E-AB-CB-P-BZ	6.7	100	4.5	100	3	100	2.3	100	1.3	100

ACCESSORIES

PA-VDFI	Internal Vibration Dampener, Field Installable
PA-PSAB58	Pre-Ship Anchor Bolts - 0.625" x 16" x 2"
PA-PSAB34	Pre-Ship Anchor Bolts - 0.75" x 17" x 2"
PA-PSAB1	Pre-Ship Anchor Bolts - 1.0" x 36" x 4"

DESIGNATION & DIMENSIONAL INFORMATION

BASE MODEL	POLE DIMENSIONS					BASE PLATE		ANCHOR BOLTS	
	NOMINAL MOUNTING HEIGHT	TOP SQ (IN)	BASE SQ (IN)	WALL THK (IN)	STRUCTURE WEIGHT (LBS)	BOLT CIRCLE DIA (IN)	SQ (IN) X THK (IN)	DIA X LENGTH X HOOK (IN)	PROJECTION (IN)
PRA-18-4040-D	18'-0"	4	4	0.188	71	9.25	8.625 x 8.625 x 0.75	0.75 x 17.00 x 2.00	2.75
PRA-20-4040-E	20'-0"	4	4	0.250	94	9.25	8.625 x 8.625 x 0.75	0.75 x 17.00 x 2.00	2.75
PRA-22-5050-E	22'-0"	5	5	0.250	120	8.375 - 10.375	10.25 x 10.25 x 0.875	0.75 x 17.00 x 2.00	3.5
PRA-25-5050-E	25'-0"	5	5	0.250	133	8.375 - 10.375	10.25 x 10.25 x 0.875	0.75 x 17.00 x 2.00	3.5

1. The total combined EPA and weight of all fixtures, brackets and attachments mounting to a light pole cannot exceed the EPA and weight rating for a specified pole.
2. Standard EPA (Effective Projected Area) and weight values are based on Standard Commercial Criteria (with 3 second gust factor) for side and top mounted fixtures only.
3. Satisfactory performance of light poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.

NOTE: Additional sizes and configurations are available upon request.

FURTHER INFORMATION

EIKO LIGHT POLE WARRANTY

EIKO LIGHT POLE LIMITED WARRANTY

NON-CANCELLABLE / NON-RETURNABLE ITEMS

NON-CANCELLABLE AND NON-RETURNABLE ITEMS

EXISTING ANCHOR BOLT MEASUREMENT

EXISTING ANCHOR BOLT MEASUREMENT FORM

ANODIZING ADVISORY

ANODIZING ADVISORY

ANCHOR BASE DETAIL

LIGHT POLE MAINTENANCE & INSTALLATION

POLE MAINTENANCE / INSTALLATION GUIDE

2010 FL CODE 180 MPH WIND MAP

2010 FL CODE 180 MPH WIND MAP

2010 FL CODE 200 MPH WIND MAP

2010 FL CODE 200 MPH WIND MAP

2009 AASHTO WIND MAP

2009 AASHTO WIND MAP