

- 8' to 18' mounting heights.
- 4" and 5" square poles.

SPECIFICATIONS

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

Shaft: The shaft shall be extruded from all new seamless 6000 series alloy aluminum tubing. Square shafts shall be supplied with a square top closure when the shafts are to be drilled for side mounting of luminaires. Valmont square straight shafts with a satin finish shall be longitudinally polished, resulting in a high quality brushed finish. After finishing, each pole shall be fully wrapped for protection in shipment.

Anchor Base: The anchor base is cast from A356 alloy aluminum and is circumferentially welded to the shaft. The assembly shall be heat treated to a T6 temper after all structural welding has been completed. The anchor bolt recesses in the anchor base casting shall be flush covered by (4) tamper resistant aluminum nut cover disks.

Handholes: All square poles shall include a wire access opening with a surface-mounted cover. The opening in the 4" square poles shall be 2" x 4" centered 12" above the bottom of the pole. The opening in the 5" poles shall be 2" x 4" centered 14" above the bottom of the pole. The opening in the 6" poles shall be 2-5/8" x 5" centered 18" above the bottom of the pole. The ground lug with 5/16" -18 tapped hole shall be located opposite the handhole. Consult factory for availability of larger openings and other opening locations.

Anchor Bolts: Each anchor base shall include: (4) steel hot dip galvanized anchor bolts each with (2) nuts and (2) flat washers sized to match the anchor bolt.

Special Finishes: Natural anodize, duranodic, or painted finishes may be specified as an addition to the pole satin finish. All aluminum parts and accessories shall receive a finish similar to that specified.

CATALOG LOGIC

Feet and Inches	Top Diameter	Base Diameter	Wall Thickness	Shape of Shaft	Base or Mounting	Fixture Mounting	Finishes	Options

Feet & Inches*	Diameter*	Wall Thickness*	Shape of Shaft	Base or Mounting	Fixture Mounting	Finishes	Options
0800 - 8'	TOP DIAMETER IN INCHES	THICKNESS IN 32NDS OF AN INCH	Y - Square Straight	4 - 4-Bolt Anchor Base	D1 - 1@90° D2 - 2@180° D4 - 4@90° D5 - 2@90° D6 - 3@90° P2 - 2-3/8" x 4 Tenon P9 - Other Tenon (Please Specify)	POLYESTER POWDER DBL - Black DCG - Charcoal Gray DMB - Med Bronze DSB - Steel Blue DTG - Dark Green SC - Special Color (Please Specify) ANODIZED 204 - Clear Natural 312 - Med Bronze* 335 - Black*	DBR - Bright Red DDB - Dark Bronze DNA - Natural Alum DSS - Sandstone DWH - White 311 - Light Bronze* 313 - Dark Bronze* * Duranodic Anodize
1000 - 10'	40 - 4"	4 - 4/32" or 0.125" Wall					See Accessory Section (Please Specify with Code #)
1200 - 12'	50 - 5"	6 - 6/32" or 0.188" Wall					
1400 - 14'	BASE DIAMETER* IN INCHES						
1500 - 15'	40 - 4"						
1600 - 16'	50 - 5"						
1800 - 18'							

* For available Base Diameter, Wall Thickness and Length Combinations, see Dimensional Load Data Table that follows.

BRUSHED
SBF - Satin Brushed Finish

Customer Approval:

signature _____ date _____

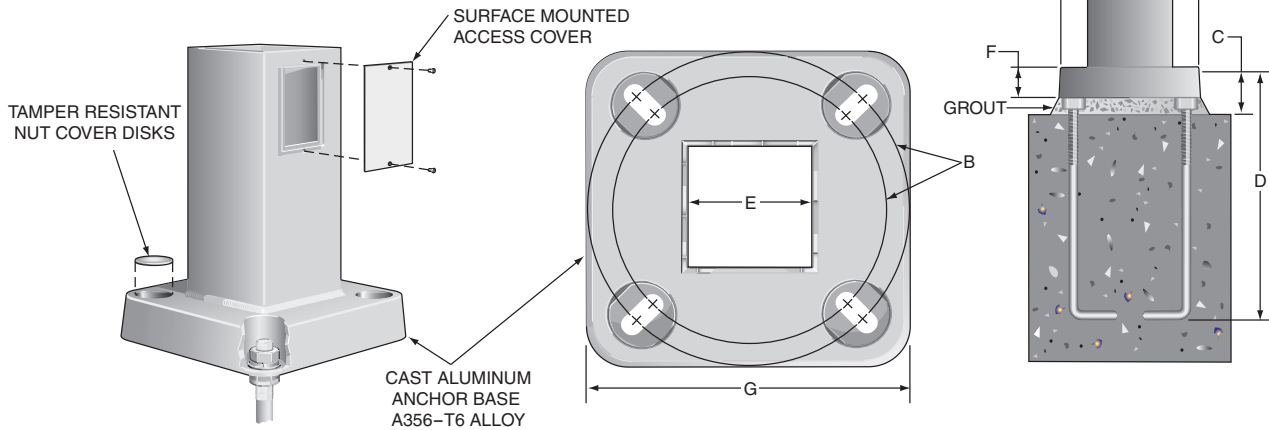
Job Name: _____ Quote: _____
 Client Name: _____
 Created By: _____ Date: _____

8' TO 18' SQUARE STRAIGHT 4-BOLT ANCHOR BASE POLES

ANCHOR BASE AND BOLT DETAIL

SQUARE POLES

A	B	C	D	E	F	G	STANDARD HEIGHT	STANDARD WALL
SQUARE SIZE	BOLT CIRCLE	BOLT PROJECTION	BOLT SIZE	CONDUIT OPENING	BASE HEIGHT	BASE SIZE		
4"	8-1/2" - 9-1/2"	3-1/8" ± 1/8"	3/4" x 17"	3-1/2"	2"	9-15/16"	8' - 18'	0.125"
4"	8-1/2" - 9-1/2"	3-1/8" ± 1/8"	3/4" x 17"	3-1/2"	2"	9-15/16"	16' - 18'	0.188"
5"	10-3/4"-11-1/2"	3-1/4" ± 1/8"	3/4" x 17"	4-1/2"	2-1/2"	11-9/16"	18'	0.188"



DIMENSIONAL AND LOAD DATA

TYPICAL WEIGHT AND ALLOWABLE SIZE OF LUMINAIRES*							DIMENSIONS OF POLES			
NOMINAL MOUNTING HEIGHT	TYPICAL LUMINAIRE WEIGHT (LBS.)	EFFECTIVE PROJECTED AREA IN SQUARE FEET AT:					POLE HEIGHT	OUTSIDE SQUARE	WALL	MODEL NUMBER**
		70 MPH	80 MPH	90 MPH	100 MPH	110 MPH				
8'	350	26.6	19.9	15.2	11.9	9.5	8'	4"	.125"	0800 - 40404Y4
10'	260	20.6	15.2	11.4	8.8	6.8	10'	4"	.125"	1000 - 40404Y4
12'	260	16.0	11.5	8.5	6.3	4.6	12'	4"	.125"	1200 - 40404Y4
14'	200	12.9	9.0	6.4	4.5	3.1	14'	4"	.125"	1400 - 40404Y4
15'	200	9.1	6.2	4.2	2.8	1.8	15'	4"	.125"	1500 - 40404Y4
16'	200	7.9	5.3	3.4	2.1	1.1	16'	4"	.125"	1600 - 40404Y4
16'	200	13.3	9.4	6.7	4.7	3.3	16'	4"	.188"	1600 - 40406Y4
18'	100	6.4	4.0	2.3	1.1	—	18'	4"	.125"	1800 - 40404Y4
18'	150	11.0	7.4	5.0	3.3	2.0	18'	4"	.188"	1800 - 40406Y4
18'	260	19.2	13.5	9.6	6.8	4.7	18'	5"	.188"	1800 - 50506Y4

* EPA calculations are based on a 1.3 Gust Factor. Variations from sizes listed above, available upon inquiry at the factory. Satisfactory performance of lighting poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. Valmont does not design or offer recommendations for foundations.
** Model number does not include mounting options or finish designation.

SPC7077 08/07 www.valmontstructures.com carries the most current spec information and supersedes these guidelines.