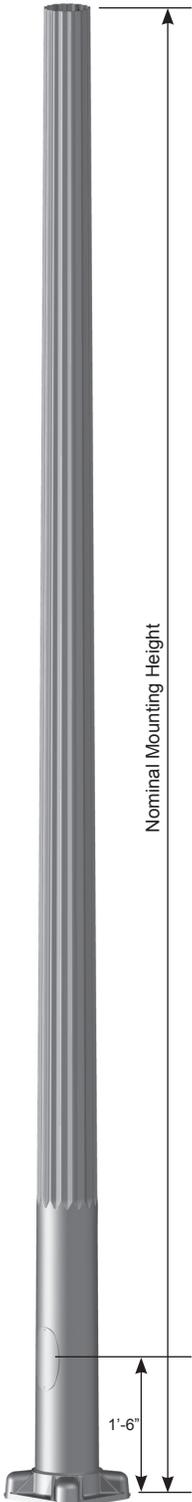


Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

**SPECIFICATIONS**



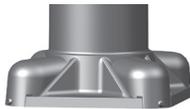
**Tenon Top**



**Handhole**



**Nut Covers**

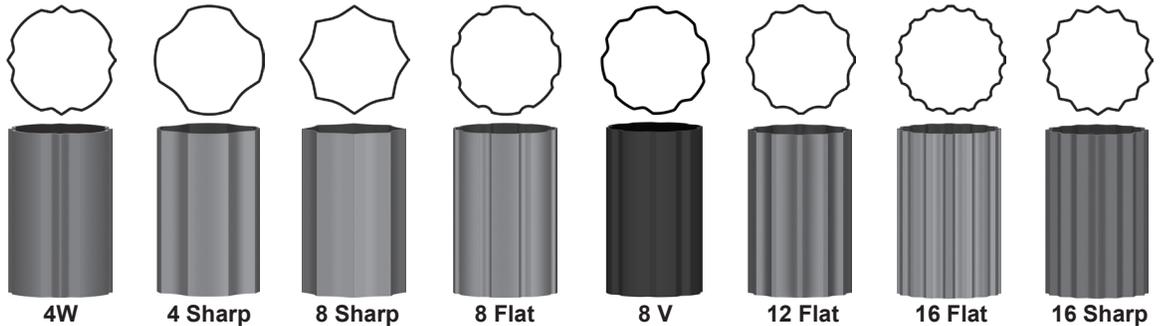


Nominal Mounting Height

Handhole

1'-6"

**Cross Section Fluted**



**Pole** - The pole shaft is spun from seamless 6063 alloy aluminum with a constant linear taper of 0.14 in/ft.

**Fluting Process** - The tapered shafts are cold rolled over a precision hardened steel mandrel to form the desired flute shape. The flutes are uniform and equally spaced throughout the process. The termination of the flutes is no greater than 1.50" radii transition into the round section of the shaft. The results of this fluting process are flutes with architecturally pleasing radiused terminations and crisp uniform flutes.

**Linear Flute Layout** - Flutes start and stop to ensure anchor base connection fits a smooth round diameter and provides mounting of side-mount luminaire arm assemblies. Flute start and stop locations should be specified.

**Pole Top** - A pole top plate and tenon are provided for top mount luminaire and/or bracket. A removable pole cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies.

**Handhole** - A covered handhole and grounding provision with hardware is provided.

**Base Cover** - Optional decorative base covers available as special order.

**Anchor Base** - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

**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.

**Finish** - The standard finish for the pole assembly and components is polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

**Design Criteria** - Please reference Design Criteria Specification for appropriate design conditions.

# ROUND TAPERED FLUTED Aluminum



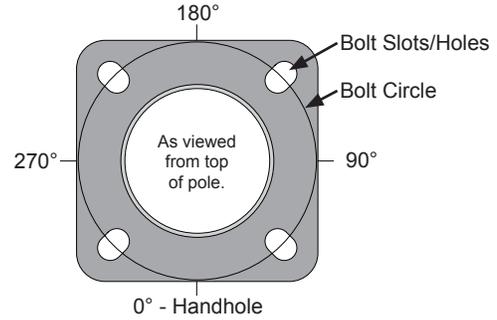
STRUCTURES

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

## ANCHORAGE DATA

POLE	BASE PLATE					ANCHOR BOLTS			
	BASE OD (IN)	WALL THK (GA)	BOLT CIRCLE		THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)	
DIA (IN)			± (IN)						
5.00	0.125	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A	
5.00	0.156	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A	
6.00	0.156	9.50	0.75	10.32	0.630	0.75 x 17.00 x 3.00	3.50	N/A	
7.00	0.156	10.50	0.50	11.26	0.750	1.00 x 36.00 x 4.00	4.13	N/A	
8.00	0.188	11.50	0.50	12.05	0.750	1.00 x 36.00 x 4.00	4.13	N/A	
10.00	0.188	14.25	0.75	13.19	1.250	1.00 x 36.00 x 4.00	4.75	N/A	

Anchor Base Detail



## LOAD AND DIMENSIONAL DATA

NOMINAL MOUNTING HEIGHT	DESIGN INFORMATION						POLE DIMENSIONS				MODEL NUMBER
	80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		BASE OD (IN)	TOP OD (IN)	WALL THK (IN)	STRUCTURE WEIGHT <sup>2</sup> (LBS)	
	MAX EPA <sup>1</sup> (SQFT)	MAX WEIGHT <sup>1</sup> (LBS)	MAX EPA <sup>1</sup> (SQFT)	MAX WEIGHT <sup>1</sup> (LBS)	MAX EPA <sup>1</sup> (SQFT)	MAX WEIGHT <sup>1</sup> (LBS)					
8'-0"	16.9	120	12.9	120	10.1	120	5.00	3.88	0.125	16	080039504V4
	21.3	120	16.4	120	13.0	120	5.00	3.88	0.156	20	080039505V4
10'-0"	13.3	120	10.0	120	7.7	120	5.00	3.60	0.125	19	100036504V4
	16.9	120	12.9	120	10.1	120	5.00	3.60	0.156	24	100036505V4
12'-0"	20.7	120	15.7	120	12.1	120	6.00	4.32	0.156	35	120043605V4
14'-0"	17.1	120	12.7	120	9.6	120	6.00	4.04	0.156	39	140040605V4
16'-0"	13.7	120	10.0	120	7.3	120	6.00	3.76	0.156	44	160038605V4
	19.7	120	14.5	120	10.8	120	7.00	4.76	0.156	53	160048705V4
18'-0"	16.0	120	11.6	120	8.4	120	7.00	4.48	0.156	58	180045705V4
20'-0"	13.1	120	9.2	120	6.4	120	7.00	4.20	0.156	63	200042705V4
	23.0	120	16.8	120	12.3	120	8.00	5.20	0.188	89	200052806V4
22'-0"	10.7	120	7.2	120	4.7	120	7.00	3.92	0.156	67	220039705V4
	19.3	120	13.8	120	9.8	120	8.00	4.92	0.188	96	220049806V4
24'-0"	16.2	120	11.3	120	7.7	120	8.00	4.64	0.188	102	240046806V4
26'-0"	13.6	120	9.2	120	6.0	120	8.00	4.36	0.188	108	260044806V4
28'-0"	11.3	120	7.3	120	4.4	120	8.00	4.08	0.188	114	280041806V4
30'-0"	17.1	120	11.1	120	6.8	120	10.00	5.80	0.188	161	300058106V4
32'-0"	14.4	120	8.9	120	5.0	120	10.00	5.52	0.188	168	320055106V4

- EPA represents the Effective Projected Area of each luminaire. Designs are limited to one luminaire per arm. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
- Structure weight is a nominal value which includes the pole shaft and base plate.

## PRODUCT ORDERING CODES

CROSS SECTION	MODEL NUMBER	FIXTURE MOUNTING	COLOR	OPTIONS
A = 8 Sharp C = 12 Flat D = 16 Sharp E = 16 Flat F = 8 Flat G = 4 Sharp W = 4W Shape V = 8 V	080039504V4 080039505V4 100036504V4 100036505V4 120043605V4 140040605V4 160038605V4 160048705V4 180045705V4 200042705V4 200052806V4 220039705V4 220049806V4 240046806V4 260044806V4 280041806V4 300058106V4 320055106V4	<b>Drill Mounting</b> D1 = 1 Luminaire D2 = 2 @ 180° D3 = 3 @ 120° D4 = 4 @ 90° D5 = 2 @ 90° D6 = 3 @ 90° <b>Tenon Mounting</b> P2 = 2.38" OD x 4.00" P3 = 3.50" OD x 6.00" P4 = 4.00" OD x 6.00" P5 = 2.88" OD x 4.00" P7 = 2.38" OD x 5.00" PQ = 2.38" OD x 12.00" PD = 3.00" OD x 3.00" -- = Plain Top P9 = Other Tenon (Contact Factory)	DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color (Contact Factory)	See Accessories at <a href="http://valmontstructures.com">valmontstructures.com</a> (Please Specify with Code)

SPC7299 12/14 valmontstructures.com carries the most current spec information and supersedes these guidelines.