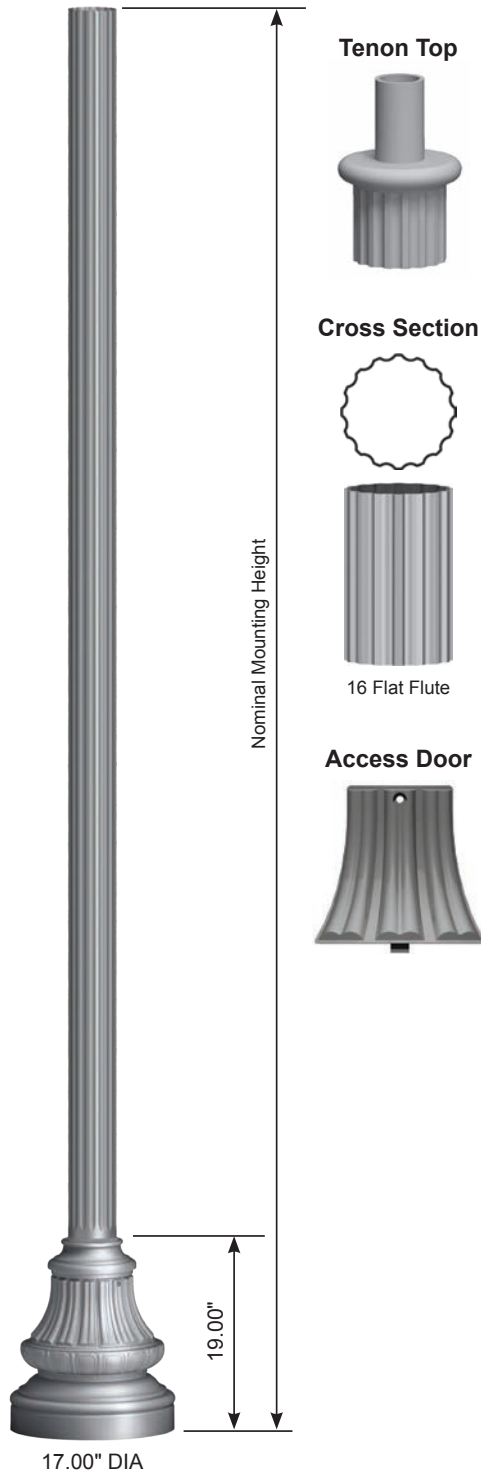


Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: 5D01AS -- Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS



Post - The post shaft is either spun or extruded from 6000 series alloy aluminum.

Post Top - A post top plate and tenon can be provided for top mount luminaire and/or bracket. A removable finial is available for posts receiving drilling patterns for side-mount luminaire arm assemblies.

Structural Base - The structural base is cast from 356 alloy aluminum and provided with a 4.25" wide X 6.50" tall access door. A grounding provision is provided. The post shaft is inserted and welded into the structural base casting. The completed assembly is heat-treated to a T6 temper after the structural welding is completed.

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 post assembly and components is polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

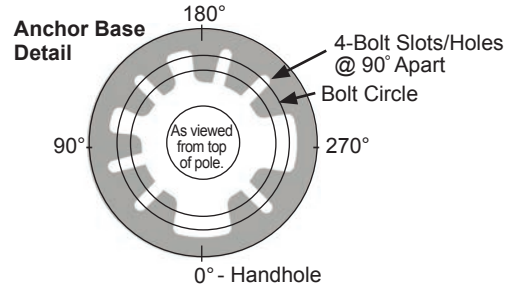
WASHINGTON Fluted Tapered/Non-Tapered Aluminum Post

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: 5D01AS -- Quote: _____	Customer Approval: _____ Date: _____

ANCHORAGE DATA

STRUCTURAL BASE				ANCHOR BOLTS*			
BOLT CIRCLE		DIAMETER (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)	
DIA (IN)	± (IN)						
12.00	1.00	17.00	0.75	0.75 x 17.00 x 3.00	3.39	0.25	

* Four anchor bolts are required at 90° apart.



LOAD AND DIMENSIONAL DATA

NOMINAL MOUNTING HEIGHT	DESIGN INFORMATION						POST DIMENSIONS					MODEL NUMBER
	80 MPH w/1.3 GUST ¹		90 MPH w/1.3 GUST ¹		100 MPH w/1.3 GUST ¹		BASE OD (IN)	TOP OD (IN)	WALL THK (IN)	STRUCTURE WEIGHT ³ (LBS)		
	MAX LUMINAIRE EPA ² (SQFT)	MAX LUMINAIRE WEIGHT ² (LBS)	MAX LUMINAIRE EPA ² (SQFT)	MAX LUMINAIRE WEIGHT ² (LBS)	MAX LUMINAIRE EPA ² (SQFT)	MAX LUMINAIRE WEIGHT ² (LBS)						
Fluted Round Non-Tapered												
8'-0"	10.6	300	8.1	300	6.4	300	4.00	4.00	0.125	55	080040404UW	
	17.7	300	13.7	300	10.8	300	5.00	5.00	0.125	66	080050504UW	
10'-0"	7.9	300	5.9	300	4.5	300	4.00	4.00	0.125	58	100040404UW	
	13.6	300	10.4	300	8.0	300	5.00	5.00	0.125	63	100050504UW	
12'-0"	5.7	300	4.1	300	2.9	300	4.00	4.00	0.125	63	120040404UW	
	10.6	300	7.8	300	5.8	300	5.00	5.00	0.125	66	120050504UW	
	16.4	300	12.3	300	9.4	300	6.00	6.00	0.125	72	120060604UW	
14'-0"	7.8	300	5.5	300	3.9	300	5.00	5.00	0.125	75	140050504UW	
	12.7	300	9.2	300	6.8	300	6.00	6.00	0.125	76	140060604UW	
16'-0"	5.6	300	3.7	300	2.3	300	5.00	5.00	0.125	75	160050504UW	
	9.6	300	6.7	300	4.6	300	6.00	6.00	0.125	83	160060604UW	
	10.1	300	7.3	300	5.2	300	5.00	5.00	0.188	102	160050506UW	
18'-0"	3.7	300	2.1	300	0.9	300	5.00	5.00	0.125	91	180050504UW	
	7.1	300	4.6	300	2.8	300	6.00	6.00	0.125	98	180060604UW	
	8.3	300	5.6	300	3.6	300	6.00	6.00	0.188	120	180060606UW	
Fluted Round Tapered												
8'-0"	17.7	300	13.7	300	10.9	300	5.00	4.10	0.125	57	080041504VW	
10'-0"	13.8	300	10.5	300	8.2	300	5.00	3.80	0.125	60	100038504VW	
12'-0"	16.8	300	12.7	300	9.8	300	6.00	4.50	0.125	68	120045604VW	
14'-0"	13.2	300	9.8	300	7.4	300	6.00	4.20	0.125	72	140042604VW	
16'-0"	10.3	300	7.5	300	5.4	300	6.00	3.90	0.125	75	160039604VW	
18'-0"	8.0	300	5.6	300	3.8	300	6.00	3.70	0.125	79	180037604VW	

- EPA values are calculated using fastest mile winds.
- Maximum EPA (Effective Projected Area) and weight values are based on top mounted luminaires and/or brackets having a centroid 2'-6" above and 1'-6" eccentric to the post top at Nominal Mounting Height. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of posts is dependent upon the post being properly attached to a supporting foundation of adequate design.
- Structure Weight is a nominal value which includes the post shaft and structural base.

PRODUCT ORDERING CODES

DESIGN SERIES	CROSS SECTION	MODEL NUMBER		FIXTURE MOUNTING	COLOR	OPTIONS
5D01AS	E					
	16 Flat Flute	Fluted Round Non-Tapered	Fluted Round Tapered	Drill Mounting D1 = 1 Luminaire D2 = 2 @ 180° D3 = 3 @ 120° D4 = 4 @ 90° D5 = 2 @ 90° D6 = 3 @ 90° Tenon Mounting P2 = 2.38" OD x 4.00" PD = 3.00" OD x 3.00" -- = Plain Top P9 = Other Tenon (Contact Factory)	DWH = White DSS = Sandstone HTG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze DNB = New Dark Bronze DDB = Dark Bronze DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color (Contact Factory)	See Decorative Accessories or Decorative Arms - Aluminum at valmontstructures.com (Please Specify)
		080040404UW 080050504UW 100040404UW 100050504UW 120040404UW 120050504UW 120060604UW 140050504UW 140060604UW 160050504UW 160060604UW 160050506UW 180050504UW 180060604UW 180060606UW	080041504VW 100038504VW 120045604VW 140042604VW 160039604VW 180037604VW			