

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: 7A02AR -- Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS

Post - The post shaft is spun from seamless 6000 series alloy aluminum.

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

Collar - Clamshell design made from high quality aluminum casting.

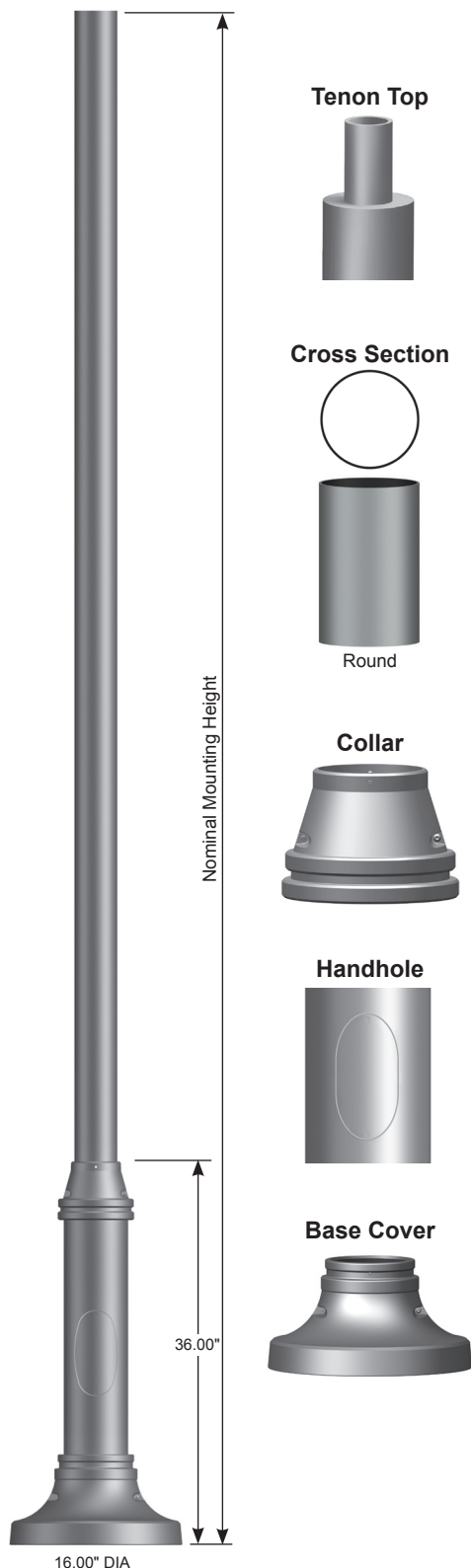
Handhole - A covered handhole and grounding provision are provided.

Base Cover - Clamshell design made from high quality aluminum casting.

Anchor Base - The anchor base is cast from 356 alloy aluminum. 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 one hex nut, one leveling shim, and one flat washer. 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 Industries' Specifications. Additional finish options available upon request.



DORCHESTER

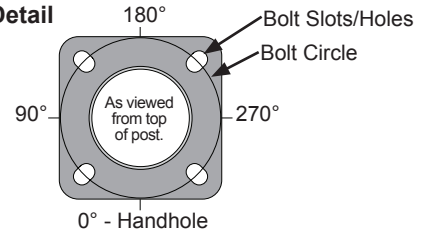
6" Round Non-Tapered Aluminum Post

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ANCHORAGE DATA

ANCHOR BASE				ANCHOR BOLTS			
BOLT CIRCLE		SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)	
DIA (IN)	± (IN)						
9.50	0.75	10.32	0.63	0.75 x 17.00 x 3.00	3.50	N/A	

Anchor Base Detail



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 EPA ² (SQFT)	MAX WEIGHT ² (LBS)	MAX EPA ² (SQFT)	MAX WEIGHT ² (LBS)	MAX EPA ² (SQFT)	MAX WEIGHT ² (LBS)					
8'-0"	18.4	50	14.4	50	11.5	50	6.00	4.00	0.125	27	080040604JS
	20.0	50	17.7	50	14.2	50	6.00	4.00	0.156	31	080040605JS
	20.0	50	20.0	50	16.9	50	6.00	4.00	0.188	35	080040606JS
10'-0"	14.0	50	10.8	50	8.6	50	6.00	4.00	0.125	31	100040604JS
	17.4	50	13.5	50	10.8	50	6.00	4.00	0.156	36	100040605JS
	20.0	50	16.1	50	12.9	50	6.00	4.00	0.188	41	100040606JS
12'-0"	10.9	50	8.3	50	6.5	50	6.00	4.00	0.125	34	120040604JS
	13.7	50	10.5	50	8.3	50	6.00	4.00	0.156	40	120040605JS
	16.4	50	12.7	50	10.0	50	6.00	4.00	0.188	46	120040606JS
14'-0"	8.6	50	6.4	50	4.9	50	6.00	4.00	0.125	38	140040604JS
	11.0	50	8.3	50	6.4	50	6.00	4.00	0.156	45	140040605JS
	13.3	50	10.1	50	7.9	50	6.00	4.00	0.188	51	140040606JS
16'-0"	6.5	50	4.7	50	3.5	50	6.00	4.00	0.125	42	160040604JS
	8.5	50	6.2	50	4.7	50	6.00	4.00	0.156	49	160040605JS
	10.4	50	7.8	50	6.0	50	6.00	4.00	0.188	57	160040606JS
18'-0"	4.9	50	3.3	50	2.3	50	6.00	4.00	0.125	45	180040604JS
	6.6	50	4.7	50	3.4	50	6.00	4.00	0.156	53	180040605JS
	8.2	50	6.0	50	4.5	50	6.00	4.00	0.188	62	180040606JS
20'-0"	3.6	50	2.2	50	1.4	50	6.00	4.00	0.125	49	200040604JS
	5.0	50	3.4	50	2.3	50	6.00	4.00	0.156	58	200040605JS
	6.4	50	4.5	50	3.2	50	6.00	4.00	0.188	67	200040606JS

- 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 1'-0" above and 2'-0" 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 anchor base only.

PRODUCT ORDERING CODES

DESIGN SERIES	CROSS SECTION	MODEL NUMBER	FIXTURE MOUNTING	COLOR	OPTIONS
7A02A	R				
	Round	080040604JS 140040606JS 080040605JS 160040604JS 080040606JS 160040605JS 100040604JS 160040606JS 100040605JS 180040604JS 100040606JS 180040605JS 120040604JS 180040606JS 120040605JS 200040604JS 120040606JS 200040605JS 140040604JS 200040606JS 140040605JS	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" 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 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)