

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

SPECIFICATIONS

Pole - The pole shaft is extruded from seamless alloy aluminum.

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

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

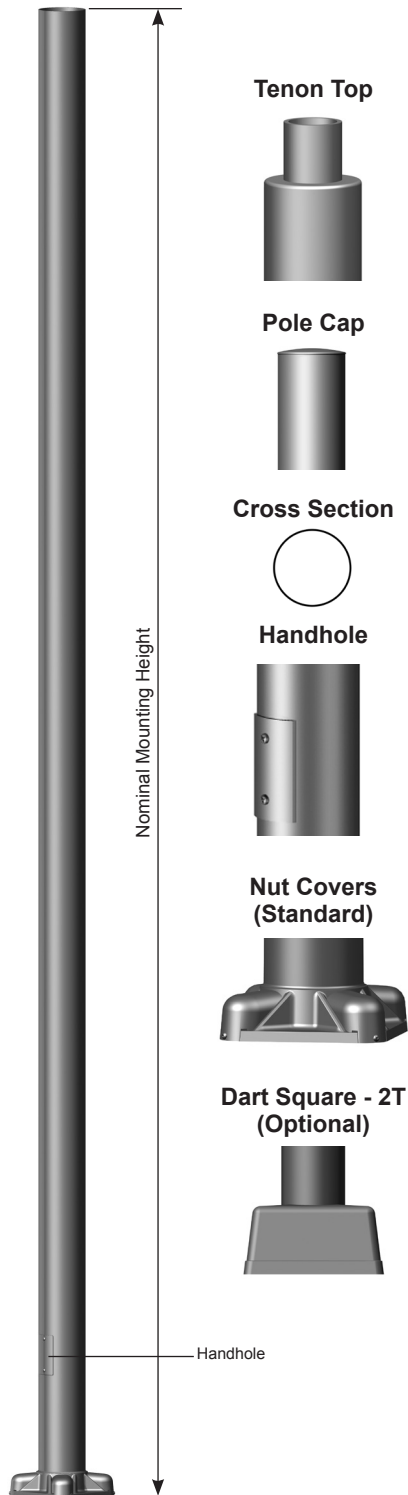
Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

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 satin brushed, natural anodize, duranodic or 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.



16' to 30' ROUND NON-TAPERED
ALUMINUM

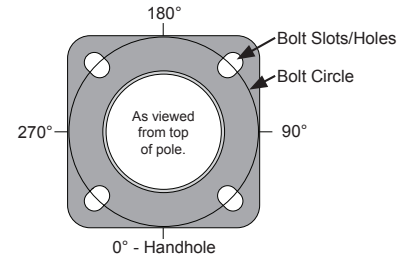
4-Bolt Anchor Base

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ANCHORAGE DATA

POLE		BASE PLATE				ANCHOR BOLTS		
BASE OD (IN)	WALL THK (IN)	BOLT CIRCLE		SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)
		DIA (IN)	± (IN)					
4.00	0.125	7.50	0.75	8.91	0.630	0.75 x 17.00 x 3.00	3.25	N/A
4.50	0.125	7.84	0.78	9.26	0.630	0.75 x 17.00 x 3.00	3.25	N/A
4.50	0.188	7.84	0.78	9.26	0.630	0.75 x 17.00 x 3.00	3.25	N/A
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
5.00	0.188	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
6.00	0.188	9.50	0.75	10.32	0.630	0.75 x 17.00 x 3.00	3.50	N/A

Anchor Base Detail



LOAD AND DIMENSIONAL DATA

DESIGN INFORMATION											POLE DIMENSIONS					
NOMINAL MOUNTING HEIGHT	70 MPH w/1.3 GUST		80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		110 MPH w/1.3 GUST		POLE HEIGHT	BASE OD (IN)	TOP OD (IN)	WALL THK (IN)	STRUCTURE WEIGHT ₂ (LBS)	MODEL NUMBER
	MAX EPA ₁ (SQ FT)	MAX WEIGHT (LBS)	MAX EPA ₁ (SQ FT)	MAX WEIGHT (LBS)	MAX EPA ₁ (SQ FT)	MAX WEIGHT (LBS)	MAX EPA ₁ (SQ FT)	MAX WEIGHT (LBS)	MAX EPA ₁ (SQ FT)	MAX WEIGHT (LBS)						
16'-0"	3.2	100	1.9	100	1.0	100	0.5	100	0.2	100	16'-0"	4.00	4.00	0.125	33	160040404S4
	5.1	100	3.3	100	2.2	100	1.6	100	1.2	100	16'-0"	4.50	4.50	0.125	37	160045454S4
	8.7	100	6.0	100	4.3	100	3.4	100	2.6	100	16'-0"	4.50	4.50	0.188	53	160045456S4
	7.4	100	5.1	100	3.8	100	3.0	100	2.3	100	16'-0"	5.00	5.00	0.125	41	160050504S4
	9.8	100	6.9	100	5.3	100	4.1	100	3.3	100	16'-0"	5.00	5.00	0.156	50	160050505S4
	12.2	100	8.7	100	6.7	100	5.3	100	4.2	100	16'-0"	5.00	5.00	0.188	58	160050506S4
	17.9	100	13.5	100	10.5	100	8.3	100	6.8	100	16'-0"	6.00	6.00	0.156	59	160060605S4
18'-0"	21.9	100	16.5	100	12.8	100	10.3	100	8.4	100	16'-0"	6.00	6.00	0.188	70	160060606S4
	6.7	100	4.5	100	3.1	100	2.3	100	1.8	100	18'-0"	4.50	4.50	0.188	59	180045456S4
	5.6	100	3.7	100	2.7	100	2.0	100	1.5	100	18'-0"	5.00	5.00	0.125	45	180050504S4
	7.7	100	5.2	100	3.9	100	3.0	100	2.3	100	18'-0"	5.00	5.00	0.156	55	180050505S4
	9.7	100	6.8	100	5.1	100	4.0	100	3.1	100	18'-0"	5.00	5.00	0.188	65	180050506S4
	18.0	100	13.5	100	10.5	100	8.3	100	6.7	100	18'-0"	6.00	6.00	0.188	78	180060606S4
	5.1	100	3.2	100	2.0	100	1.4	100	1.0	100	20'-0"	4.50	4.50	0.188	64	200045456S4
20'-0"	4.1	100	2.4	100	1.7	100	1.2	100	0.8	100	20'-0"	5.00	5.00	0.125	50	200050504S4
	5.9	100	3.8	100	2.8	100	2.0	100	1.5	100	20'-0"	5.00	5.00	0.156	61	200050505S4
	7.6	100	5.2	100	3.8	100	2.9	100	2.2	100	20'-0"	5.00	5.00	0.188	72	200050506S4
	11.9	100	8.8	100	6.7	100	5.3	100	4.2	100	20'-0"	6.00	6.00	0.156	73	200060605S4
	14.9	100	11.1	100	8.5	100	6.7	100	5.4	100	20'-0"	6.00	6.00	0.188	86	200060606S4
	2.1	100	0.6	100	0.0	100	0.0	100	0.0	100	25'-0"	4.50	4.50	0.188	79	+250045456S4
	6.9	100	4.9	100	3.6	100	2.7	100	2.0	100	25'-0"	6.00	6.00	0.156	90	+250060605S4
25'-0"	9.1	100	6.6	100	4.9	100	3.8	100	2.9	100	25'-0"	6.00	6.00	0.188	106	250060606S4
	5.0	100	3.4	100	2.3	100	1.6	100	1.1	100	30'-0"	6.00	6.00	0.188	127	+300060606S4

- EPA represents the Effective Projected Area of each luminaire. Designs are limited to top mount or side-mount luminaires. 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.
+ Pole includes factory installed vibration damper.

PRODUCT ORDERING CODES

CROSS SECTION	MODEL NUMBER		FIXTURE MOUNTING	COLOR		OPTIONS
R						
R = Round						
	<div>160040404S4200050506S4 160045454S4200060605S4 160045456S4200060606S4 160050504S4+250045456S4 160050505S4+250060605S4 160050506S4250060606S4 160060605S4+300060606S4 160060606S4 180045456S4 180050504S4 180050505S4 180050506S4 180060606S4 200045456S4 200050504S4 200050505S4</div>		<div>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)</div>	<div>Polyester Powder 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)</div>	<div>Anodized 204 = Clear Natural 311 = Light Bronze* 312 = Medium Bronze* 313 = Dark Bronze* 335 = Black* *Duranodic Anodize Brushed SBF = Satin Brushed</div>	<div>See Accessories at valmontstructures.com (Please Specify with Code)</div>