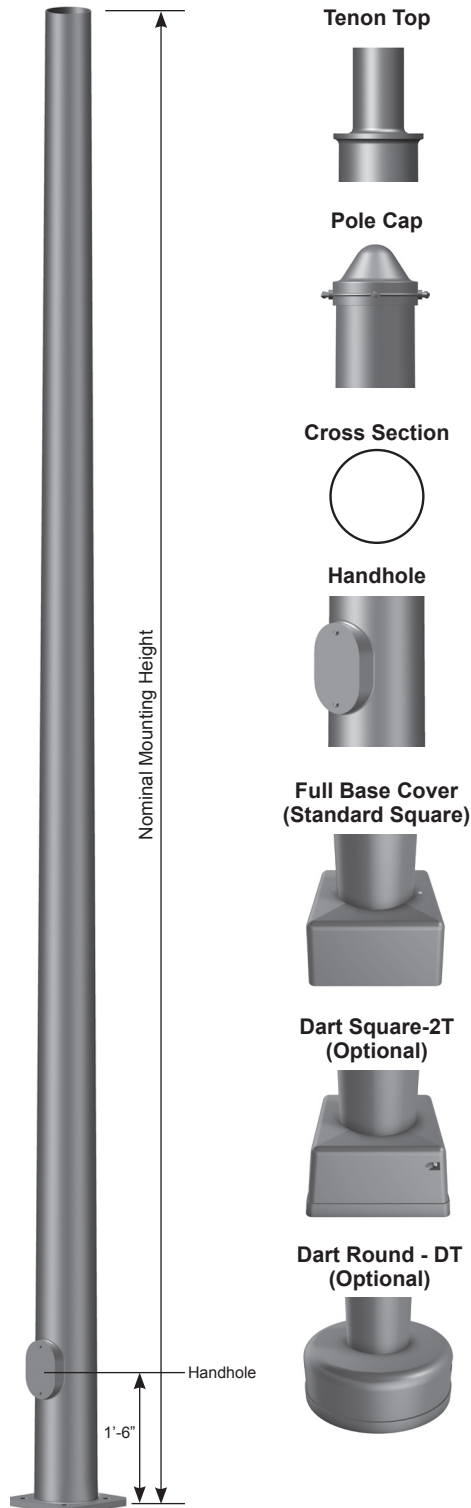


|   |                                      |
|---|--------------------------------------|
| Job Name: _____                         | Client Name: _____                   |
| Job Location - City: _____ State: _____ | Created By: _____ Date: _____        |
| Product: _____ Quote: _____             | Customer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

**SPECIFICATIONS**



**Pole Shaft** - The pole shaft is a 1-piece assembly conforming to ASTM A595 Grade A or A572 Grade 55 with a constant linear taper of 0.14 in/ft.

**Pole Top** - Pole is provided with either a tenon top or drilled for a fixture mounting. A removable pole cap is provided for drilled poles. Consult the luminaire manufacturer for correct tenon size or drill pattern. Other pole top options include pole cap only (PC) or plain top (PL) which is typical when the pole top diameter matches the necessary slip fit dimensions.

**Handhole** - A reinforced handhole with grounding provision is provided at 1'-6" from the base end of the pole assembly. Each handhole includes a cover and the cover attachment hardware. Poles with a 5.90" base diameter are supplied with a 3" X 5" rectangular handhole. All other pole assemblies are provided with a 4" X 6.5" ovalized handhole. Handhole dimensions are nominal.

**Base Cover** - A two-piece full base cover fabricated from ABS plastic is provided with each pole assembly. Valmont reserves the right to provide a two-piece steel full base cover on some applications depending upon the finish requirement and/or pole base diameter. Nut covers can be substituted on most models. Additional base cover options, including the Dart Square (2T) cast aluminum cover and Dart Round (DT) cast aluminum cover, are available upon request.

**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.

**Hardware** - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

**Finish** - Standard finishes are either Galvanized (GV) or Finish Painted (FP). Additional finish options including Finish Paint over Galvanizing (FPGV) or any of the V-PRO™ Finish Coating Systems are available upon request. See the product ordering code for color options.

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

# ROUND TAPERED STEEL DS210

## Light Duty



STRUCTURES

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

### DESIGNATION, LOAD AND DIMENSIONAL DATA

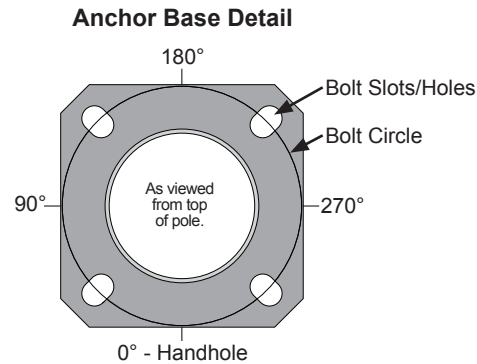
| NOMINAL MOUNTING HEIGHT | DESIGN INFORMATION          |                               |                             |                               |                             |                               | POLE DIMENSIONS |             |               |                                     | DESIGNATION |
|-------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------|-------------|---------------|-------------------------------------|-------------|
|                         | 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 (GA) | 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) |                 |             |               |                                     |             |
| 20'-0"                  | 19.3                        | 482                           | 15.1                        | 377                           | 12.2                        | 305                           | 5.90            | 3.10        | 11            | 140                                 | 590A200     |
|                         | 24.2                        | 605                           | 19.3                        | 482                           | 15.6                        | 390                           | 6.50            | 3.70        | 11            | 160                                 | 650A200     |
| 25'-0"                  | 12.5                        | 312                           | 9.9                         | 247                           | 8.0                         | 200                           | 5.90            | 2.40        | 11            | 155                                 | 590A250     |
|                         | 20.3                        | 507                           | 16.2                        | 405                           | 13.1                        | 327                           | 7.00            | 3.50        | 11            | 200                                 | 700A250     |
|                         | 30.5                        | 760                           | 24.0                        | 625                           | 19.8                        | 495                           | 7.00            | 3.50        | 7             | 280                                 | 700E250     |
| 30'-0"                  | 11.7                        | 292                           | 9.3                         | 232                           | 7.5                         | 187                           | 6.60            | 2.40        | 11            | 200                                 | 660A300     |
|                         | 18.9                        | 473                           | 14.9                        | 373                           | 12.0                        | 300                           | 8.00            | 3.80        | 11            | 265                                 | 800A300     |
|                         | 33.5                        | 838                           | 27.0                        | 675                           | 22.0                        | 550                           | 8.00            | 3.80        | 7             | 380                                 | 800E300     |
| 35'-0"                  | 11.2                        | 280                           | 8.9                         | 222                           | 7.1                         | 177                           | 7.30            | 2.40        | 11            | 250                                 | 730A350     |
|                         | 18.9                        | 472                           | 15.1                        | 377                           | 12.2                        | 305                           | 8.50            | 3.60        | 11            | 315                                 | 850A350     |
|                         | 23.2                        | 580                           | 18.2                        | 455                           | 14.5                        | 363                           | 9.50            | 4.60        | 11            | 370                                 | 950A350     |
| 39'-0"                  | 10.7                        | 267                           | 8.5                         | 212                           | 6.6                         | 165                           | 7.82            | 2.40        | 11            | 285                                 | 782A389     |
|                         | 17.2                        | 430                           | 13.5                        | 338                           | 10.8                        | 270                           | 9.00            | 3.58        | 11            | 355                                 | 900A389     |
|                         | 28.5                        | 715                           | 23.0                        | 575                           | 19.0                        | 475                           | 9.00            | 3.58        | 7             | 515                                 | 900E389     |
| 45'-0"                  | 17.4                        | 435                           | 13.5                        | 338                           | 10.6                        | 265                           | 10.00           | 3.70        | 11            | 450                                 | T00A450     |
|                         | 28.5                        | 715                           | 23.0                        | 575                           | 19.0                        | 475                           | 10.00           | 3.70        | 7             | 650                                 | T00E450     |
| 50'-0"                  | 13.2                        | 330                           | 10.6                        | 265                           | 8.3                         | 208                           | 10.00           | 3.00        | 11            | 475                                 | T00A500     |
|                         | 20.5                        | 512                           | 16.5                        | 412                           | 13.6                        | 340                           | 10.00           | 3.00        | 7             | 680                                 | T00E500     |

DS210 Heavy Duty poles available at [valmontstructures.com](http://valmontstructures.com)

- Maximum EPA (Effective Projected Area) and weight values are based on top mounted luminaires and/or brackets having a centroid 2'-6" above the Nominal Mounting Height. 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 only.

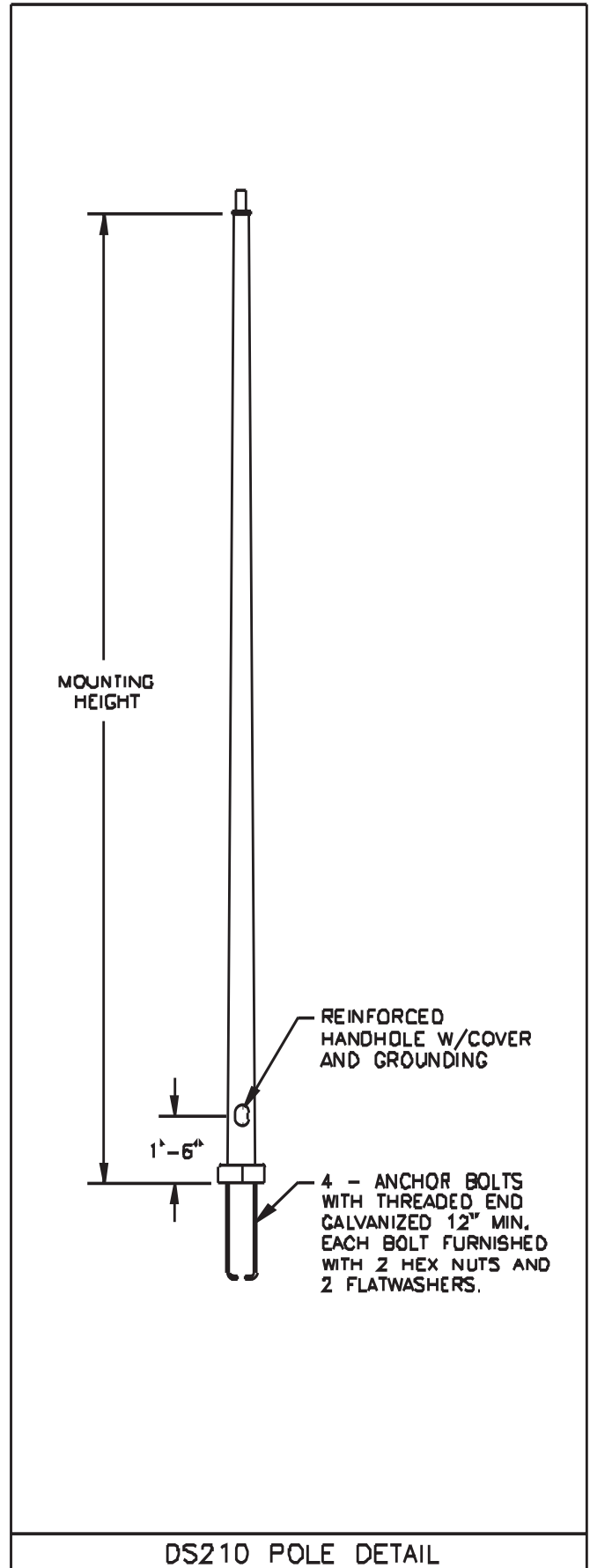
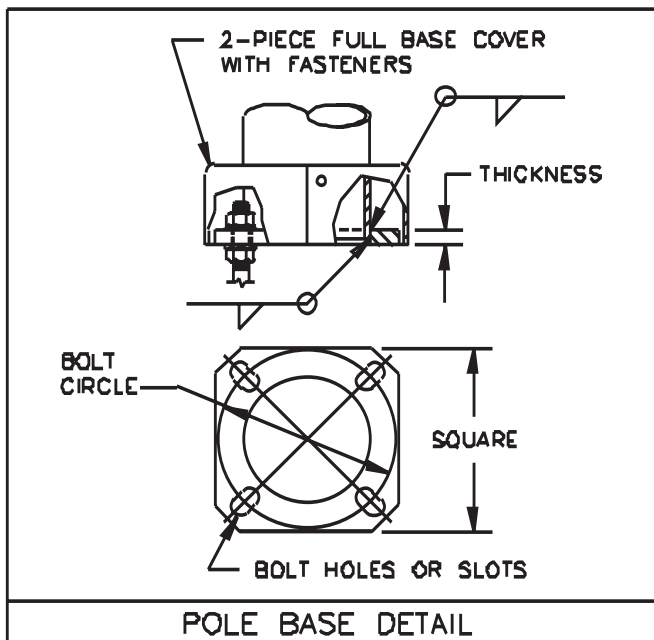
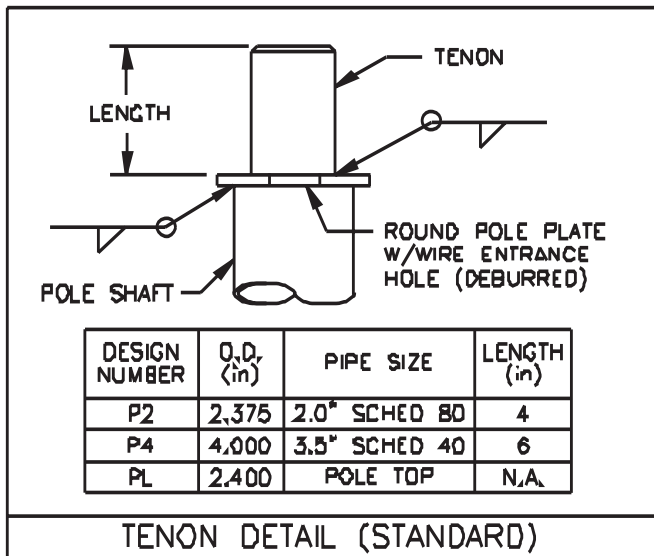
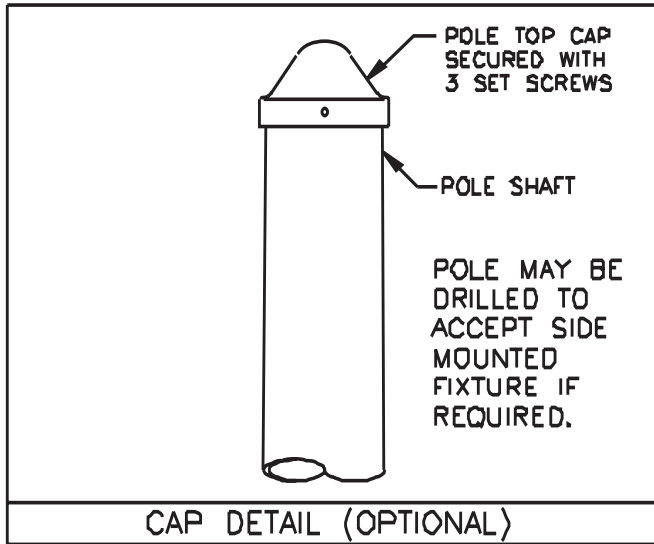
### ANCHORAGE DATA

| POLE         |               | BASE PLATE  |        |             | ANCHOR BOLTS |                          |                 |        |
|--------------|---------------|-------------|--------|-------------|--------------|--------------------------|-----------------|--------|
| BASE OD (IN) | WALL THK (GA) | BOLT CIRCLE |        | SQUARE (IN) | THK (IN)     | DIA x LENGTH x HOOK (IN) | PROJECTION (IN) | ± (IN) |
|              |               | DIA (IN)    | ± (IN) |             |              |                          |                 |        |
| 5.90         | 11            | 9.00        | 0.50   | 10.00       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 6.50         | 11            | 9.50        | 0.50   | 10.50       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 6.60         | 11            | 9.50        | 0.50   | 10.50       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 7.00         | 11            | 10.00       | 0.50   | 10.88       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 7.00         | 7             | 10.00       | 0.50   | 10.88       | 1.000        | 1.00 x 36.00 x 4.00      | 4.25            | 0.25   |
| 7.30         | 11            | 10.50       | 0.50   | 11.25       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 7.82         | 11            | 11.00       | 0.50   | 11.50       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 8.00         | 11            | 11.00       | 0.50   | 11.50       | 0.875        | 1.00 x 36.00 x 4.00      | 4.13            | 0.25   |
| 8.00         | 7             | 11.00       | 0.50   | 11.50       | 1.250        | 1.25 x 42.00 x 6.00      | 5.00            | 0.25   |
| 8.50         | 11            | 11.50       | 0.50   | 12.00       | 1.000        | 1.00 x 36.00 x 4.00      | 4.25            | 0.25   |
| 9.00         | 11            | 12.50       | 0.50   | 12.38       | 1.000        | 1.00 x 36.00 x 4.00      | 4.25            | 0.25   |
| 9.00         | 7             | 12.50       | 0.50   | 12.38       | 1.250        | 1.25 x 42.00 x 6.00      | 5.00            | 0.25   |
| 9.50         | 11            | 13.00       | 0.50   | 13.00       | 1.000        | 1.00 x 36.00 x 4.00      | 4.25            | 0.25   |
| 10.00        | 11            | 13.50       | 0.50   | 14.00       | 1.000        | 1.00 x 36.00 x 4.00      | 4.25            | 0.25   |
| 10.00        | 7             | 13.50       | 0.50   | 14.00       | 1.250        | 1.25 x 42.00 x 6.00      | 5.00            | 0.25   |



### PRODUCT ORDERING CODE

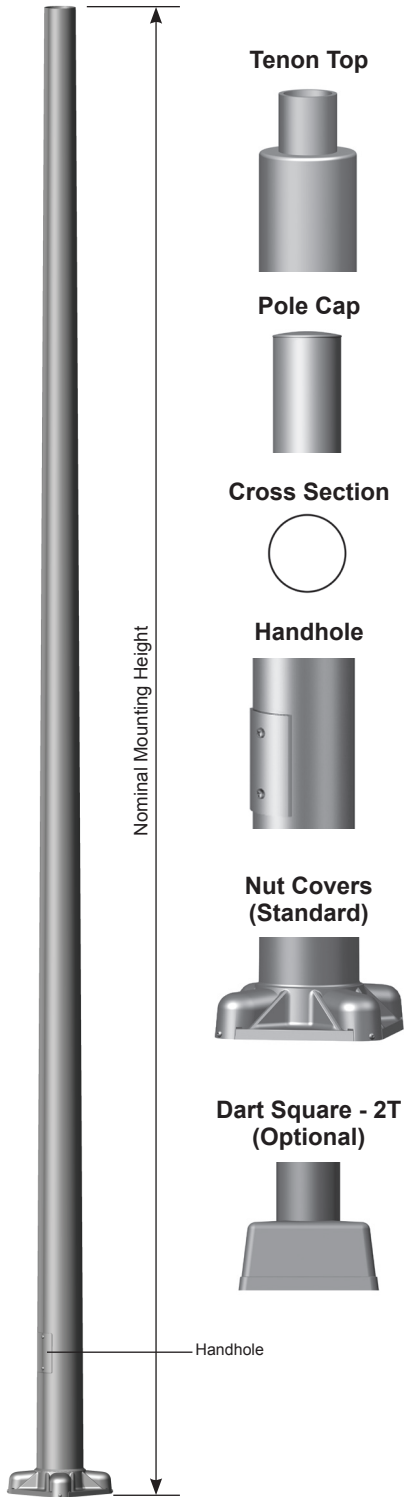
| MODEL | DESIGNATION  | FIXTURE MOUNTING   | FINISH SYSTEM   | STANDARD COLOR OPTIONS  | BASE COVER  | ANCHOR BOLTS   | SUPPLEMENTAL INFO |
|-------|--|--|---|---|---|--|-------------------|
| DS210 | Select Correct Designation from the Load and Dimensional Data Chart. | <b>Drill Mounting (See Orientation)</b><br>D1 = (1) Drilling @ 270°<br>D2 = (2) Drillings @ 90° & 270°<br>D3 = (3) Drillings @ 60°, 180°, & 300°<br>D4 = (4) Drillings @ 0°, 90°, 180°, & 270°<br>D5 = (2) Drillings @ 180° & 270°<br>D6 = (3) Drillings @ 90°, 180°, & 270°<br><br><b>Tenon Mounting</b><br>P2 = 2.38" OD x 4" tenon<br>P4 = 4.00" OD x 6" tenon<br>P5 = 2.88" OD x 4" tenon<br>P6 = 2.88" OD x 5" tenon<br>P7 = 2.38" OD x 5" tenon<br>P9 = Special Size (Specify)<br><br><b>Other Options</b><br>PC = Pole Cap<br>PL = Plain Top (No Cap) | GV = Galvanized<br>FP = Finish Painted<br>-----OPTIONAL-----<br>FPGV = Finish Paint over Galvanizing<br>VP30 = V-PRO™ 30 System<br>VP32 = V-PRO™ 32 System<br>VP53 = V-PRO™ 53 System<br>VP54 = V-PRO™ 54 System<br>VP57 = V-PRO™ 57 System<br>VP100 = V-PRO™ 100 System<br>VP105 = V-PRO™ 105 System | GV = Galvanized<br>BK = Black<br>DB = Dark Bronze<br>MB = Medium Bronze<br>WH = White<br>LG = Light Gray<br>CB = Bronze<br>DG = Dark Green<br>ST = Sandstone<br>HG = Hunter Green<br>SG = Slate Gray<br>SL = Silver<br>SC = Special Color (Specify) | FBC = Full Base Cover<br>-----OPTIONAL-----<br>NC = Nut Covers<br>2T = Square Dart Cover<br>DT = Dart Round Cover | AB = With Anchor Bolts<br>LAB = Without Anchor Bolts |                   |



SPC7204 02/17 valmontstructures.com carries the most current spec information and supersedes these guidelines.

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

**SPECIFICATIONS**



**Pole** - The pole shaft is spun 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.

# 8' to 16' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base



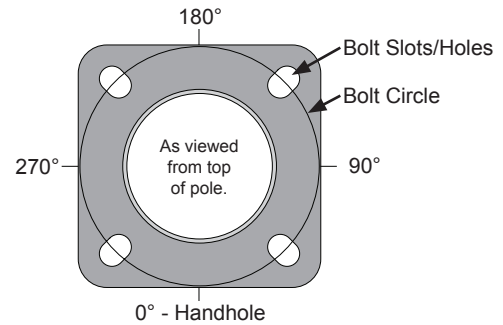
STRUCTURES

|   |                                      |
|---|--------------------------------------|
| 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 (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    |  |
| 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

| NOMINAL MOUNTING HEIGHT | DESIGN INFORMATION |                  |                   |                  |                   |                  |                    |                  |                    |                  | POLE DIMENSIONS |              |             |               |                         |              |
|-------------------------|--------------------|------------------|-------------------|------------------|-------------------|------------------|--------------------|------------------|--------------------|------------------|-----------------|--------------|-------------|---------------|-------------------------|--------------|
|                         | 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 WEIGHT2 (LBS) | MODEL NUMBER |
|                         | MAX EPA1 (SQ FT)   | MAX WEIGHT (LBS) | MAX EPA1 (SQ FT)  | MAX WEIGHT (LBS) | MAX EPA1 (SQ FT)  | MAX WEIGHT (LBS) | MAX EPA1 (SQ FT)   | MAX WEIGHT (LBS) | MAX EPA1 (SQ FT)   | MAX WEIGHT (LBS) |                 |              |             |               |                         |              |
| 8'-0"                   | 11.3               | 75               | 8.5               | 75               | 6.5               | 75               | 5.1                | 75               | 4.1                | 75               | 7'-8"           | 4.00         | 3.00        | 0.125         | 17                      | 070830404T4  |
| 10'-0"                  | 8.7                | 75               | 6.4               | 75               | 4.8               | 75               | 3.7                | 75               | 2.9                | 75               | 9'-8"           | 4.00         | 3.00        | 0.125         | 20                      | 090830404T4  |
|                         | 16.4               | 75               | 12.3              | 75               | 9.5               | 75               | 7.5                | 75               | 6.1                | 75               | 9'-8"           | 5.00         | 3.00        | 0.125         | 24                      | 090830504T4  |
| 12'-0"                  | 6.7                | 75               | 4.8               | 75               | 3.5               | 75               | 2.6                | 75               | 1.9                | 75               | 11'-8"          | 4.00         | 3.00        | 0.125         | 23                      | 110830404T4  |
|                         | 13.3               | 75               | 9.8               | 75               | 7.4               | 75               | 5.8                | 75               | 4.6                | 75               | 11'-8"          | 5.00         | 3.00        | 0.125         | 26                      | 110830504T4  |
|                         | 16.6               | 75               | 12.4              | 75               | 9.5               | 75               | 7.4                | 75               | 6.0                | 75               | 11'-8"          | 5.00         | 3.00        | 0.156         | 31                      | 110830505T4  |
|                         | 19.9               | 100              | 14.8              | 100              | 11.4              | 100              | 9.0                | 100              | 7.3                | 100              | 11'-8"          | 5.00         | 3.00        | 0.188         | 36                      | 110830506T4  |
| 14'-0"                  | 5.2                | 75               | 3.5               | 75               | 2.4               | 75               | 1.6                | 75               | 1.1                | 75               | 13'-8"          | 4.00         | 3.00        | 0.125         | 27                      | 130830404T4  |
|                         | 10.8               | 75               | 7.8               | 75               | 5.8               | 75               | 4.4                | 75               | 3.4                | 75               | 13'-8"          | 5.00         | 3.00        | 0.125         | 31                      | 130830504T4  |
|                         | 13.7               | 75               | 10.0              | 75               | 7.5               | 75               | 5.8                | 75               | 4.6                | 75               | 13'-8"          | 5.00         | 3.00        | 0.156         | 37                      | 130830505T4  |
|                         | 16.4               | 100              | 12.1              | 100              | 9.2               | 100              | 7.2                | 100              | 5.7                | 100              | 13'-8"          | 5.00         | 3.00        | 0.188         | 43                      | 130830506T4  |
| 16'-0"                  | 3.8                | 75               | 2.4               | 75               | 1.5               | 75               | 0.8                | 75               | 0.4                | 75               | 15'-8"          | 4.00         | 3.00        | 0.125         | 30                      | 150830404T4  |
|                         | 8.5                | 75               | 6.0               | 75               | 4.3               | 75               | 3.2                | 75               | 2.4                | 75               | 15'-8"          | 5.00         | 3.00        | 0.125         | 35                      | 150830504T4  |
|                         | 10.9               | 75               | 7.8               | 75               | 5.8               | 75               | 4.4                | 75               | 3.4                | 75               | 15'-8"          | 5.00         | 3.00        | 0.156         | 42                      | 150830505T4  |
|                         | 13.2               | 100              | 9.6               | 100              | 7.2               | 100              | 5.5                | 100              | 4.3                | 100              | 15'-8"          | 5.00         | 3.00        | 0.188         | 50                      | 150830506T4  |
|                         | 18.8               | 100              | 14.0              | 100              | 10.7              | 100              | 8.5                | 100              | 6.9                | 100              | 15'-8"          | 6.00         | 4.00        | 0.156         | 53                      | 150840605T4  |
|                         | 22.9               | 100              | 17.1              | 100              | 13.2              | 100              | 10.5               | 100              | 8.6                | 100              | 15'-8"          | 6.00         | 4.00        | 0.188         | 62                      | 150840606T4  |

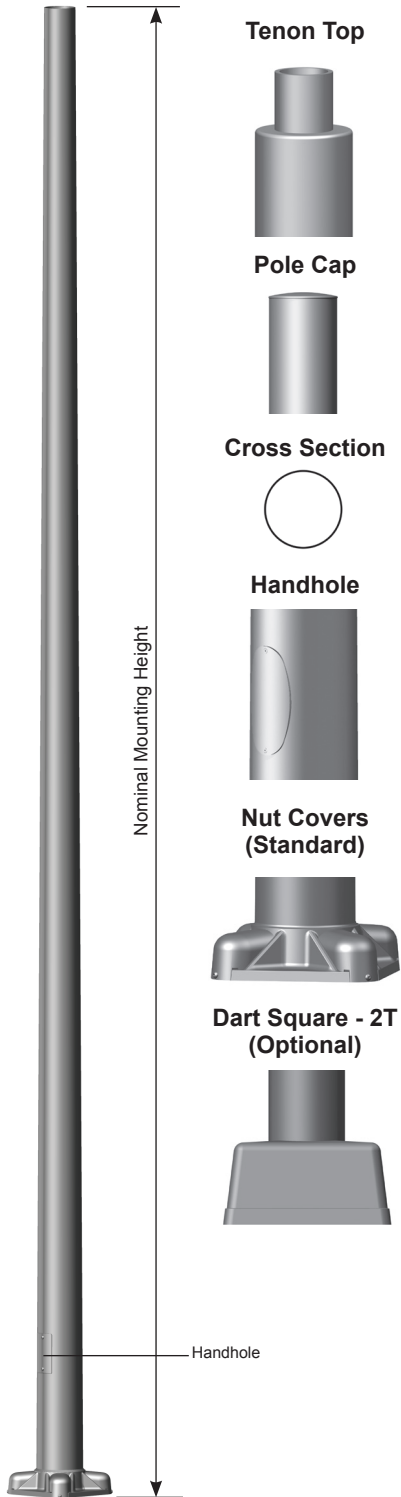
- EPA represents the Effective Projected Area of each luminaire. Designs are limited to top mount or side-mount luminaires. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation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

## PRODUCT ORDERING CODES

| CROSS SECTION | MODEL NUMBER  | FIXTURE MOUNTING   | COLOR   |  | OPTIONS   |
|---------------|---|--|---|--|---|
| R             |   |  |   |  |   |
| R = Round     | 070830404T4<br>090830404T4<br>090830504T4<br>110830404T4<br>110830504T4<br>110830505T4<br>110830506T4<br>130830404T4<br>130830504T4<br>130830505T4<br>130830506T4<br>150830404T4<br>150830504T4<br>150830505T4<br>150830506T4<br>150840605T4<br>150840606T4 | <b>Drill Mounting</b><br>D1 = 1 Luminaire<br>D2 = 2 @ 180°<br>D3 = 3 @ 120°<br>D4 = 4 @ 90°<br>D5 = 2 @ 90°<br>D6 = 3 @ 90°<br><b>Tenon Mounting</b><br>P2 = 2.38" OD x 4.00"<br>P3 = 3.50" OD x 6.00"<br>P4 = 4.00" OD x 6.00"<br>P5 = 2.88" OD x 4.00"<br>P7 = 2.38" OD x 5.00"<br>PQ = 2.38" OD x 12.00"<br>PD = 3.00" OD x 3.00"<br>-- = Plain Top<br>P9 = Other Tenon (Contact Factory) | <b>Polyester Powder</b><br>DWH = White<br>DSS = Sandstone<br>BR = Burgundy<br>HG = Hunter Green<br>DNA = Natural Aluminum<br>DCG = Charcoal Gray<br>DMB = Medium Bronze<br>SBN = Sanded Brown<br>DNB = New Dark Bronze<br>DDB = Dark Bronze<br>SBK = Sanded Black<br>DBL = Black<br>DSB = Steel Blue<br>DTG = Dark Green<br>DBR = Red<br>SC = Special Color (Contact Factory) | <b>Anodized</b><br>204 = Clear Natural<br>311 = Light Bronze*<br>312 = Medium Bronze*<br>313 = Dark Bronze*<br>335 = Black*<br>*Duranodic Anodize<br><b>Brushed</b><br>SBF = Satin Brushed | See Accessories at valmontstructures.com (Please Specify with Code) |

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

**SPECIFICATIONS**



**Pole** - The pole shaft is spun 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.



# 28' to 33' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

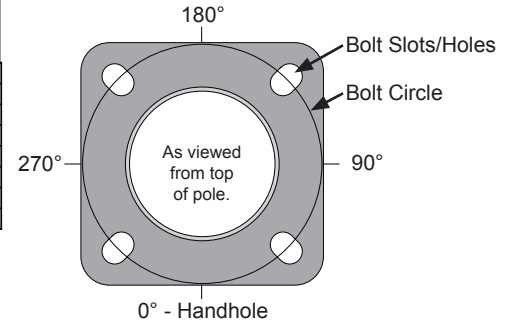


|   |  |                                      |  |
|---|--|--------------------------------------|--|
| Job Name: _____                         |  | Client Name: _____                   |  |
| Job Location - City: _____ State: _____ |  | Created By: _____ Date: _____        |  |
| Product: _____ Quote: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

## ANCHORAGE DATA

| POLE         |               | BASE PLATE  |        |             |          | ANCHOR BOLTS             |                 |          |
|--------------|---------------|-------------|--------|-------------|----------|--------------------------|-----------------|----------|
| BASE OD (IN) | WALL THK (IN) | BOLT CIRCLE |        | SQUARE (IN) | THK (IN) | DIA X LENGTH X HOOK (in) | PROJECTION (IN) | +/- (IN) |
|              |               | DIA (IN)    | ± (IN) |             |          |                          |                 |          |
| 7.00         | 0.156         | 10.56       | 0.43   | 11.26       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 8.00         | 0.156         | 11.63       | 0.37   | 12.05       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 8.00         | 0.188         | 11.63       | 0.37   | 12.05       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 8.00         | 0.250         | 11.63       | 0.37   | 12.05       | 0.750    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 9.00         | 0.156         | 13.25       | 0.75   | 12.48       | 1.250    | 1.00 x 36.00 x 4.00      | 4.13            | N/A      |
| 9.00         | 0.188         | 13.25       | 0.75   | 12.48       | 1.250    | 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      |
| 10.00        | 0.250         | 14.50       | 0.50   | 14.00       | 1.250    | 1.25 x 42.00 x 6.00      | 5.25            | N/A      |

Anchor Base Detail



## LOAD AND DIMENSIONAL DATA

| NOMINAL MOUNTING HEIGHT | DESIGN INFORMATION           |                  |                              |                  |                              |                  |                              |                  |                              |                  | POLE DIMENSIONS |              |             |               |                                     |              |
|-------------------------|------------------------------|------------------|------------------------------|------------------|------------------------------|------------------|------------------------------|------------------|------------------------------|------------------|-----------------|--------------|-------------|---------------|-------------------------------------|--------------|
|                         | 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 <sup>2</sup> (LBS) | MODEL NUMBER |
|                         | MAX EPA <sup>1</sup> (SQ FT) | MAX WEIGHT (LBS) | MAX EPA <sup>1</sup> (SQ FT) | MAX WEIGHT (LBS) | MAX EPA <sup>1</sup> (SQ FT) | MAX WEIGHT (LBS) | MAX EPA <sup>1</sup> (SQ FT) | MAX WEIGHT (LBS) | MAX EPA <sup>1</sup> (SQ FT) | MAX WEIGHT (LBS) |                 |              |             |               |                                     |              |
| 28'-0"                  | 10.5                         | 150              | 7.1                          | 150              | 5.0                          | 150              | 3.7                          | 150              | 2.8                          | 150              | 27'-8"          | 7.00         | 4.00        | 0.156         | 92                                  | +270840705T4 |
|                         | 15.5                         | 150              | 11.1                         | 150              | 8.3                          | 150              | 6.5                          | 150              | 5.1                          | 150              | 27'-8"          | 8.00         | 4.50        | 0.156         | 105                                 | 270845805T4  |
|                         | 19.6                         | 150              | 14.3                         | 150              | 10.8                         | 150              | 8.5                          | 150              | 6.8                          | 150              | 27'-8"          | 8.00         | 4.50        | 0.188         | 124                                 | 270845806T4  |
|                         | 27.4                         | 150              | 20.2                         | 150              | 15.5                         | 150              | 12.3                         | 150              | 9.9                          | 150              | 27'-8"          | 8.00         | 4.50        | 0.250         | 161                                 | 270845808T4  |
|                         | 21.4                         | 150              | 15.7                         | 150              | 12.0                         | 150              | 9.4                          | 150              | 7.5                          | 150              | 27'-8"          | 9.00         | 4.50        | 0.156         | 116                                 | 270845905T4  |
|                         | 26.8                         | 150              | 19.8                         | 150              | 15.2                         | 150              | 12.0                         | 150              | 9.7                          | 150              | 27'-8"          | 9.00         | 4.50        | 0.188         | 137                                 | 270845906T4  |
|                         | 34.5                         | 200              | 26.0                         | 200              | 20.2                         | 200              | 16.0                         | 200              | 12.9                         | 200              | 27'-8"          | 10.00        | 6.00        | 0.188         | 161                                 | 270860106T4  |
| 30'-0"                  | 46.6                         | 300              | 35.3                         | 300              | 27.5                         | 300              | 22.0                         | 300              | 17.8                         | 300              | 27'-8"          | 10.00        | 6.00        | 0.250         | 217                                 | 270860108T4  |
|                         | 8.8                          | 150              | 5.7                          | 150              | 3.8                          | 150              | 2.7                          | 150              | 2.0                          | 150              | 29'-8"          | 7.00         | 4.00        | 0.156         | 99                                  | +290840705T4 |
|                         | 13.3                         | 150              | 9.3                          | 150              | 6.9                          | 150              | 5.3                          | 150              | 4.1                          | 150              | 29'-8"          | 8.00         | 4.50        | 0.156         | 113                                 | +290845805T4 |
|                         | 17.1                         | 150              | 12.2                         | 150              | 9.2                          | 150              | 7.1                          | 150              | 5.6                          | 150              | 29'-8"          | 8.00         | 4.50        | 0.188         | 134                                 | 290845806T4  |
|                         | 18.8                         | 150              | 13.6                         | 150              | 10.3                         | 150              | 8.0                          | 150              | 6.3                          | 150              | 29'-8"          | 9.00         | 4.50        | 0.156         | 127                                 | +290845905T4 |
|                         | 23.7                         | 150              | 17.4                         | 150              | 13.3                         | 150              | 10.4                         | 150              | 8.3                          | 150              | 29'-8"          | 9.00         | 4.50        | 0.188         | 149                                 | 290845906T4  |
|                         | 24.2                         | 150              | 17.7                         | 150              | 13.6                         | 150              | 10.7                         | 150              | 8.6                          | 150              | 29'-8"          | 8.00         | 4.50        | 0.250         | 174                                 | 290845808T4  |
| 33'-0"                  | 30.9                         | 200              | 23.2                         | 200              | 17.9                         | 200              | 14.1                         | 200              | 11.3                         | 200              | 29'-8"          | 10.00        | 6.00        | 0.188         | 175                                 | 290860106T4  |
|                         | 41.9                         | 300              | 31.7                         | 300              | 24.6                         | 300              | 19.6                         | 300              | 15.8                         | 300              | 29'-8"          | 10.00        | 6.00        | 0.250         | 235                                 | 290860108T4  |
|                         | 10.4                         | 150              | 7.1                          | 150              | 5.1                          | 150              | 3.8                          | 150              | 2.9                          | 150              | 32'-8"          | 8.00         | 4.50        | 0.156         | 124                                 | +320845805T4 |
|                         | 13.8                         | 150              | 9.7                          | 150              | 7.1                          | 150              | 5.5                          | 150              | 4.2                          | 150              | 32'-8"          | 8.00         | 4.50        | 0.188         | 147                                 | 320845806T4  |
|                         | 15.3                         | 150              | 10.9                         | 150              | 8.1                          | 150              | 6.2                          | 150              | 4.8                          | 150              | 32'-8"          | 9.00         | 4.50        | 0.156         | 138                                 | +320845905T4 |
|                         | 19.7                         | 150              | 14.2                         | 150              | 10.7                         | 150              | 8.4                          | 150              | 6.6                          | 150              | 32'-8"          | 9.00         | 4.50        | 0.188         | 163                                 | 320845906T4  |
|                         | 20.1                         | 150              | 14.5                         | 150              | 11.0                         | 150              | 8.6                          | 150              | 6.8                          | 150              | 32'-8"          | 8.00         | 4.50        | 0.250         | 190                                 | 320845808T4  |
| 26.0                    | 200                          | 19.4             | 200                          | 14.9             | 200                          | 11.7             | 200                          | 9.2              | 200                          | 32'-8"           | 10.00           | 6.00         | 0.188       | 191           | 320860106T4                         |              |
| 35.8                    | 300                          | 26.9             | 300                          | 20.8             | 300                          | 16.4             | 300                          | 13.1             | 300                          | 32'-8"           | 10.00           | 6.00         | 0.250       | 257           | 320860108T4                         |              |

- 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     | +270840705T4<br>270845805T4<br>270845806T4<br>270845808T4<br>270845905T4<br>270845906T4<br>270860106T4<br>270860108T4<br>+290840705T4<br>+290845805T4<br>290845806T4<br>+290845905T4<br>290845906T4<br>290845808T4<br>290860106T4<br>290860108T4<br>+320845805T4<br>320845806T4<br>+320845905T4<br>320845906T4<br>320845808T4<br>320860106T4<br>320860108T4 | <b>Drill Mounting</b><br>D1 = 1 Luminaire<br>D2 = 2 @ 180°<br>D3 = 3 @ 120°<br>D4 = 4 @ 90°<br>D5 = 2 @ 90°<br>D6 = 3 @ 90°<br><b>Tenon Mounting</b><br>P2 = 2.38" OD x 4.00"<br>P3 = 3.50" OD x 6.00"<br>P4 = 4.00" OD x 6.00"<br>P5 = 2.88" OD x 4.00"<br>P7 = 2.38" OD x 5.00"<br>PQ = 2.38" OD x 12.00"<br>PD = 3.00" OD x 3.00"<br>-- = Plain Top<br>P9 = Other Tenon (Contact Factory) | <b>Polyester Powder</b><br>DWH = White<br>DSS = Sandstone<br>BR = Burgundy<br>HG = Hunter Green<br>DNA = Natural Aluminum<br>DCG = Charcoal Gray<br>DMB = Medium Bronze<br>SBN = Sanded Brown<br>DNB = New Dark Bronze<br>DDB = Dark Bronze<br>SBK = Sanded Black<br>DBL = Black<br>DSB = Steel Blue<br>DTG = Dark Green<br>DBR = Red<br>SC = Special Color (Contact Factory) | <b>Anodized</b><br>204 = Clear Natural<br>311 = Light Bronze*<br>312 = Medium Bronze*<br>313 = Dark Bronze*<br>335 = Black*<br>*Duranodic Anodize<br><br><b>Brushed</b><br>SBF = Satin Brushed | See Accessories at valmontstructures.com (Please Specify with Code) |