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**

<table>
<thead>
<tr>
<th>BOLT CIRCLE</th>
<th>STRUCTURAL BASE</th>
<th>ANCHOR BOLTS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIA (IN)</td>
<td>THK (IN)</td>
<td>DIA x LENGTH x HOOK</td>
</tr>
<tr>
<td>12.00</td>
<td>1.00</td>
<td>17.00</td>
</tr>
</tbody>
</table>

* Four anchor bolts are required at 90° apart.

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**PRODUCT ORDERING CODES**

<table>
<thead>
<tr>
<th>DESIGN SERIES</th>
<th>CROSS SECTION</th>
<th>MODEL NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5D01AS</td>
<td>16 Flat Flute</td>
<td></td>
</tr>
</tbody>
</table>

**LOAD AND DIMENSIONAL DATA**

- **Nominal Mounting Height**: 80 MPH w/1.3 GUST
- **Max Luminare Weight**: 90 MPH w/1.3 GUST
- **Max Luminare Weight**: 100 MPH w/1.3 GUST

<table>
<thead>
<tr>
<th>NOMINAL MOUNTING HEIGHT</th>
<th>POST DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NAME</td>
</tr>
<tr>
<td></td>
<td>BASE OD (IN)</td>
</tr>
<tr>
<td></td>
<td>TOP OD (IN)</td>
</tr>
<tr>
<td></td>
<td>WALL THK (IN)</td>
</tr>
<tr>
<td></td>
<td>STRUCTURE WEIGHT (LBS)</td>
</tr>
</tbody>
</table>

1. EPA values are calculated using fastest mile winds.
2. 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.
3. Structure Weight is a nominal value which includes the post shaft and structural base.

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**ANCHORAGE DATA**

- **Anchor Base Detail**: 4-Bolt Slots/Holes @ 90° Apart
- **Bolt Circle**: 90° - Handhole
- **Angle Viewed from Top of Pole**: 180° - 90° - 0°
- **4 Bolt Slots/Holes**: 90° Apart

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**Drill Mounting**

- D1 = 1 Luminaire
- D2 = 2 @ 180°
- D3 = 3 @ 120°
- D4 = 4 @ 90°
- D5 = 5 @ 90°

**Termination**

- P2 = 2.38" OD x 4.00"
- P3 = Other Termination

**Color**

- DWH = White
- DSS = Sandstone
- HTG = Hunter Green
- DNA = Natural Aluminum
- DCG = Charcoal Gray
- DMB = Medium Bronze
- DNB = New Dark Bronze
- DDB = Dark Bronze
- DFL = Black
- DSB = Steel Blue
- DTG = Dark Green
- DBR = Red
- SC = Special Color

**Options**

See Decorative Accessories or Decorative Arms - Aluminum at [valmontstructures.com](http://valmontstructures.com)

(All Specify)