**Decorative Lamp Post**

**Tapered Octagon Pole**
- Tapered, octagon composite pole shaft
- Direct Embedded and Anchor Base models
- XTREME® elastomeric urethane base cover

**Ordering Information**

<table>
<thead>
<tr>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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**Above Grade Height**

- **Cat No.** 6
  - 6 feet/1.8M
- **Cat No.** 7
  - 7 feet/2.1M
- **Cat No.** 8
  - 8 feet/2.4M
- **Cat No.** 9
  - 9 feet/2.7M
- **Cat No.** 10
  - 10 feet/3.0M
- **Cat No.** 11
  - 11 feet/3.4M
- **Cat No.** 12
  - 12 feet/3.7M
- **Cat No.** 13
  - 13 feet/4.0M
- **Cat No.** 14
  - 14 feet/4.3M
- **Cat No.** 15
  - 15 feet/4.6M
- **Cat No.** 16
  - 16 feet/4.9M
- **Cat No.** 17
  - 17 feet/5.2M
- **Cat No.** 18
  - 18 feet/5.5M
- **Cat No.** 19
  - 19 feet/5.8M
- **Cat No.** 20
  - 20 feet/6.1M

**Installation Method**

- **Cat No.** DE Direct Embedded
- **Cat No.** AB Anchor Base

**Color**

- **Cat No.** BLK Black
- **Cat No.** DBZ Dark Bronze
- **Cat No.** DGR Dark Green
- **Cat No.** SLV Silver
- **Cat No.** WHT White
- **Cat No.** GRY Grey
- **Cat No.** CC Custom color - Please provide a min. 3 x 3 color chip.
- **Cat No.** RAL Please provide a four digit RAL color number.

**Tenon O.D. (Outside Diameter)**

- **Cat No.** 30
  - 3" (76 mm) O.D. x 3'(76mm) height
- **Cat No.** 40
  - 4" (102mm) O.D. x 6'(178mm) height
- **Cat No.** 99 Custom Tenon Size

Tenons include a cast decorative ring at the top of the pole.

**Options**

- **Cat No.** RC Receptacle housing and a NEC approved cover. GFCI receptacle included. Standard location is 12'/305mm below the top of the pole.

- **Other accessories are shown on the Accessories specification sheet.**

**Above Grade Height**

- **Height:** 9'/279MM
- **Base Diameter:** 16'/406MM

Whatley - Valmont Composite Structures, Inc.
19845 U.S. Highway 76 • Newberry, SC 29108 USA
Tel: 877.959.7678 | 803.276.5507 • Fax: 803.276.8940 • whatley.com
**Direct Embedded - DE**

![Diagram of Direct Embedded - DE](image)

**Shaft Length**
- 6 to 13 feet
- 14 to 24 feet

**Embedded Depth**
- 3 ft/.91M
- 4 ft/1.2M

*Embedded depths may vary per local codes, site soil conditions, drainage and very high wind conditions.

**Specifications**

**POLE SHAFT**
The CO50 pole shaft shall be octagon tapered, smooth with a .18"/.46mm per foot taper. The hand hole shall be 2.5"/64mm x 5"/127mm with a cover. The shaft shall be constructed of fiberglass combined with a thermosetting resin using an advanced centrifugal cast process. The hand hole area and hardware attachment areas shall be reinforced.

The butt end of the embedded-type post shall be octagon to increase the resistance to rotation. The post shall be non-conductive and chemically inert.

**PERFORMANCE CRITERIA**
The post shall be designed with a minimum safety factor of 1.5:1 and have no more than a 15% deflection at full wind loading. The post shall deflect no more than 2.5% of the above-ground length with 100 lbs. of lateral top load. Poles shall be tested and rated per ANSI C136.20-2012.

**DIRECT EMBEDDED INSTALLATION**
Direct embedded poles shall have two 2.5 inch (64mm) diameter holes at 180° for conduit entrance 24 inches (610mm) below finished grade. Embedded depths may vary per local codes, site soil conditions, drainage and very high wind conditions.

**ANCHOR BASE**
Anchor bases shall be constructed of hot dipped galvanized steel. The base shall be factory bonded to the pole. The anchor base shall have four holes at ninety degrees, accommodating a bolt circle as indicated in the chart.

**POST TOP**
A painted aluminum or galvanized steel tenon shall be factory bonded to the pole for mounting a post-top luminaire or arm.

**FINISH**
The surface of the post shall be uniform and consistent for the entire length of the post. A UV-resistant catalyzed urethane coating shall be extremely durable and retains its gloss after a 5000 hour exposure test (ASTM G-154), with no dulling or chalkling of the surface.

**ORNAMENTAL BASE COVER**
The ornamental decorative base cover shall be one or two piece and constructed of a proprietary elastomeric urethane and finished to match the post. The base shall be corrosion free and extremely resistant to impact and chipping.

**WARRANTY**
The products shall be warranted to be free of defects for three years from the date of shipment from the factory.

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**Anchor Base Installation - AB**

![Diagram of Anchor Base Installation - AB](image)

<table>
<thead>
<tr>
<th>Shaft Length</th>
<th>A</th>
<th>B</th>
<th>Anchor Bolts</th>
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<tbody>
<tr>
<td>6’ to 20’ (1.8M to 6.1M)</td>
<td>9’ to 11” (229mm-279mm)</td>
<td>10’ (254mm)</td>
<td>3/4” x 30”</td>
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**Wind Loading Data for Direct Embedded and Anchor Base**

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<tr>
<th>Cat No.</th>
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<td>40.1</td>
<td>32.1</td>
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<td>18.3</td>
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<td>7</td>
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<td>35.9</td>
<td>28.8</td>
<td>23.4</td>
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Wind speed values are for a 3-second gust per ASCE 7-05. Calculated per ANSI C136.20-2012. Assumes load 12 inches above the pole top. Safety factor = 1.5:1. Maximum weight for tenon mount is 100 lbs.

Contact factory for AASHTO or specific local codes.