Decorative Lamp Post

Fluted Tapered Pole

- Fluted, tapered composite pole
- Direct Embedded and Anchor Base models
- XTREME® elastomeric urethane base cover

Ordering Information

Sample Description Number Logic

<table>
<thead>
<tr>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF50-D16M</td>
<td>12</td>
<td>AB</td>
<td>BLK</td>
<td>30</td>
</tr>
<tr>
<td>CF50-D16M</td>
<td>15</td>
<td>DE</td>
<td>WHT</td>
<td>40</td>
</tr>
</tbody>
</table>

**B** Above Grade Height

- 6: 6 feet/1.8M
- 7: 7 feet/2.1M
- 8: 8 feet/2.4M
- 9: 9 feet/2.7M
- 10: 10 feet/3.0M
- 11: 11 feet/3.4M
- 12: 12 feet/3.7M
- 13: 13 feet/4.0M
- 14: 14 feet/4.3M
- 15: 15 feet/4.6M
- 16: 16 feet/4.9M
- 17: 17 feet/5.2M

**C** Installation Method

- DE: Direct Embedded
- AB: Anchor Base

**D** Color

- BLK: Black
- DBZ: Dark Bronze
- DGR: Dark Green
- SLV: Silver
- WHT: White
- GRY: Grey
- CC: Custom color - Please provide a min. 3" x 3" color chip.
- RAL: Please provide a four digit RAL color number.

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

- 30: 3" (76mm) OD X 3" (76 mm) height
- 40: 4" (102mm) OD X 6" (178mm) height
- 99: Custom Tenon Size

- For other tenon sizes contact the factory.

**F** Options

- RC: Receptacle housing and a NEC approved cover with GFCI receptacle. Standard location is 12"/305mm below the top of the pole.

- Other accessories are shown on the Accessories specification sheet.

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
Decorative Lamp Post
POLE CF50
FLUTED TAPERED COMPOSITE POLE SHAFT

Direct Embedded - DE

Specifications

POLE SHAFT
The CF50 pole shaft shall be round tapered with 16 flutes and a .14’/3.6mm per foot taper. The hand hole shall be 2.5”/64mm x 5’/127mm with a cover. The shaft shall be constructed using an advanced resin transfer manufacturing process to produce an ornamental pole with extremely precise detail on the shaft flutes. The shaft shall be non-conductive and chemically inert. The fluting extends to the end of the pole and on embedded-type post shall serve as a resistance to rotation.

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 grade length with 100 lbs. of lateral top load (stiffness). 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 degrees 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 post. The anchor base shall have four holes at ninety degrees, accommodating a bolt circle as indicated by the chart.

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

FINISH
The surface of the pole 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 chalking of the surface.

ORNAMENTAL BASE COVER
The ornamental decorative base cover shall be on one or two-piece and constructed from 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.

Wind Loading Data for Direct Embedded and Anchor Base

<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
<th>WT</th>
<th>90</th>
<th>100</th>
<th>110</th>
<th>120</th>
<th>130</th>
<th>140</th>
<th>150</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6 feet/1.8M</td>
<td>55</td>
<td>11.9</td>
<td>9.4</td>
<td>7.5</td>
<td>6.1</td>
<td>5.0</td>
<td>4.2</td>
<td>3.6</td>
</tr>
<tr>
<td>7</td>
<td>7 feet/2.1M</td>
<td>58</td>
<td>11.9</td>
<td>9.4</td>
<td>7.5</td>
<td>6.1</td>
<td>5.0</td>
<td>4.2</td>
<td>3.6</td>
</tr>
<tr>
<td>8</td>
<td>8 feet/2.4M</td>
<td>61</td>
<td>11.9</td>
<td>9.4</td>
<td>7.5</td>
<td>6.1</td>
<td>5.0</td>
<td>4.2</td>
<td>3.6</td>
</tr>
<tr>
<td>9</td>
<td>9 feet/2.7M</td>
<td>64</td>
<td>11.9</td>
<td>9.4</td>
<td>7.5</td>
<td>6.1</td>
<td>5.0</td>
<td>4.2</td>
<td>3.5</td>
</tr>
<tr>
<td>10</td>
<td>10 feet/3.0M</td>
<td>67</td>
<td>11.9</td>
<td>9.4</td>
<td>7.5</td>
<td>6.1</td>
<td>5.0</td>
<td>4.2</td>
<td>3.5</td>
</tr>
<tr>
<td>11</td>
<td>11 feet/3.4M</td>
<td>70</td>
<td>11.9</td>
<td>9.4</td>
<td>7.4</td>
<td>6.0</td>
<td>4.9</td>
<td>4.1</td>
<td>3.4</td>
</tr>
<tr>
<td>12</td>
<td>12 feet/3.7M</td>
<td>75</td>
<td>11.9</td>
<td>9.3</td>
<td>7.4</td>
<td>5.9</td>
<td>4.8</td>
<td>4.0</td>
<td>3.3</td>
</tr>
<tr>
<td>13</td>
<td>13 feet/4.0M</td>
<td>78</td>
<td>11.9</td>
<td>9.2</td>
<td>7.3</td>
<td>5.8</td>
<td>4.7</td>
<td>3.9</td>
<td>3.2</td>
</tr>
<tr>
<td>14</td>
<td>14 feet/4.3M</td>
<td>82</td>
<td>11.8</td>
<td>9.1</td>
<td>7.1</td>
<td>5.7</td>
<td>4.6</td>
<td>3.7</td>
<td>3.1</td>
</tr>
<tr>
<td>15</td>
<td>15 feet/4.6M</td>
<td>86</td>
<td>11.7</td>
<td>9.0</td>
<td>7.0</td>
<td>5.6</td>
<td>4.5</td>
<td>3.6</td>
<td>3.0</td>
</tr>
<tr>
<td>16</td>
<td>16 feet/4.9M</td>
<td>90</td>
<td>10.7</td>
<td>8.2</td>
<td>6.3</td>
<td>5.0</td>
<td>4.0</td>
<td>3.2</td>
<td>2.6</td>
</tr>
<tr>
<td>17</td>
<td>17 feet/5.2M</td>
<td>95</td>
<td>10.4</td>
<td>7.9</td>
<td>6.1</td>
<td>4.8</td>
<td>3.8</td>
<td>3.0</td>
<td>2.4</td>
</tr>
</tbody>
</table>

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 the factory for AASHTO or specific local codes.

Whatley - Valmont Composite Structures, Inc.
19845 U.S. Highway 76 | Newberry, SC 29108 USA
Tel: 877.959.7676 | 803.276.5507 | Fax: 803.276.8940 | whatley.com