DECORATIVE LAMP POST
POLE CF10
DECORATIVE BASE D21M

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

Ordering Information

SAMPLE CATALOG NUMBER LOGIC

<table>
<thead>
<tr>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<tbody>
<tr>
<td>CF10-D21M</td>
<td>17</td>
<td>DE</td>
<td>DGR</td>
<td>40</td>
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<tr>
<td>CF10-D21M</td>
<td>21</td>
<td>AB</td>
<td>BLK</td>
<td>30</td>
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</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
- 18 18 feet/5.5M
- 19 19 feet/5.8M
- 20 20 feet/6.1M
- 21 21 feet/6.4M

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

- 30 3’ (76mm) O.D. x 3” (76mm) height
- 40 4’ (102mm) O.D. x 6” (178mm) height
- 99 Custom Tenon Size

**F Options**

- 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.

**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.

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
**Specifications**

**POLE SHAFT**
The CF10 pole shaft shall be round tapered, smooth with 10 flutes and a .108”/2.7mm 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 shaped 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 and have no more than a 15% deflection at full wind loading. The post shall be non-conductive and have four holes at ninety degrees, accommodating a bolt circle as indicated in the chart.

**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 chalking 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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**Direct Embedded - DE**

**Shaft Length**

<table>
<thead>
<tr>
<th>Shaft Length</th>
<th>Embedded Depth</th>
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<tr>
<td>6 to 13 feet</td>
<td>3ft/0.91M</td>
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<tr>
<td>14 to 25 feet</td>
<td>4ft/1.2M</td>
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* Embedded depths may vary per local codes, site soil conditions, drainage and very high wind conditions.

**Anchor Base Installation - AB**

**Shaft Length**

<table>
<thead>
<tr>
<th>Shaft Length</th>
<th>Anchor Bolts</th>
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<tr>
<td>6’ to 21’ (1.8M to 6.4M)</td>
<td>9’ to 11’ (229mm-279mm) 10’ (254mm) 3/4” x 30”</td>
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**Wind Loading Data for Direct Embedded and Anchor Base**

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<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
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<th>90</th>
<th>100</th>
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<th>120</th>
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<th>140</th>
<th>150</th>
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<td>6 feet/1.8M</td>
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<td>7 feet/2.1M</td>
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<td>8</td>
<td>8 feet/2.4M</td>
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<td>33.2</td>
<td>26.7</td>
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<td>9 feet/2.7M</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.