Decorative Lamp Post

POLE TS45

TAPERED SMOOTH POLE

• Tapered, smooth composite pole shaft
• 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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<tr>
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<td>DGR</td>
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<td>AB</td>
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**B ABOVE GRADE HEIGHT**

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<td>14 feet/4.3M</td>
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<td>15 feet/4.6M</td>
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<td>16</td>
<td>16 feet/4.9M</td>
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<td>17</td>
<td>17 feet/5.2M</td>
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<td>18 feet/5.5M</td>
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<td>19 feet/5.8M</td>
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<td>20</td>
<td>20 feet/6.1M</td>
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<td>21 feet/6.40M</td>
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<td>22 feet/6.71M</td>
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<td>23</td>
<td>23 feet/7.01M</td>
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<td>24</td>
<td>24 feet/7.32M</td>
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<td>25</td>
<td>25 feet/7.62M</td>
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<td>26</td>
<td>26 feet/7.92M</td>
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<tr>
<td>27</td>
<td>27 feet/8.32M</td>
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<tr>
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<td>28 feet/8.53M</td>
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<tr>
<td>29</td>
<td>29 feet/8.84M</td>
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<tr>
<td>30</td>
<td>30 feet/9.14M</td>
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**C INSTALLATION METHOD**

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<td>AB</td>
<td>Anchor Base</td>
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**D COLOR**

<table>
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<td>BLK</td>
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<tr>
<td>MTB</td>
<td>Matte Black</td>
</tr>
<tr>
<td>DBZ</td>
<td>Dark Bronze</td>
</tr>
<tr>
<td>DGR</td>
<td>Dark Green</td>
</tr>
<tr>
<td>HTG</td>
<td>Hunter Green</td>
</tr>
<tr>
<td>SLV</td>
<td>Silver</td>
</tr>
<tr>
<td>WHT</td>
<td>White</td>
</tr>
<tr>
<td>GRY</td>
<td>Grey</td>
</tr>
<tr>
<td>CC</td>
<td>Custom color -  Please provide a min. 3&quot; x 3&quot; color chip.</td>
</tr>
<tr>
<td>RAL</td>
<td>Please provide a four digit RAL color number.</td>
</tr>
</tbody>
</table>

**E TENON O.D. (OUTSIDE DIAMETER)**

<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>23</td>
<td>2 3/8&quot; (60 mm)</td>
</tr>
<tr>
<td>27</td>
<td>2 7/8&quot; (73mm)</td>
</tr>
<tr>
<td>30</td>
<td>3&quot; (76 mm) nomial</td>
</tr>
<tr>
<td>35</td>
<td>3 1/2&quot; (89 mm)</td>
</tr>
<tr>
<td>40</td>
<td>4&quot; (102 mm)</td>
</tr>
</tbody>
</table>

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

- For other tenon sizes contact the factory.

**F OPTIONS**

<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC</td>
<td>Receptacle housing and a NEC approved cover. GFCI receptacle by others. Standard location is 12'/305mm below the top of the pole.</td>
</tr>
<tr>
<td></td>
<td>Other accessories are shown on the Accessories specification sheet.</td>
</tr>
</tbody>
</table>
The products shall be warranted to be free of defects for three years from the date of shipment from the factory.

**WARRANTY**

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

**ORNAMENTAL BASE COVER**

The shaft shall be constructed of continuous fiberglass filament combined with a thermosetting resin. The glass filament shall be helically wound at alternating high and low angle layers for maximum compressive and bending strength. The hand hole area and hardware attachment areas shall be reinforced. The poles shall be designed with a minimum safety factor of 1.5:1 and have a maximum deflection of 15% under full wind loading conditions. The post shall be designed with a minimum safety factor of 1.5:1 and have a maximum deflection of 2.5% of the above-ground length 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 chemically inert.

**PERFORMANCE CRITERIA**

The post shall be round tapered, smooth with a .14’/3.5mm per foot taper. The hand hole shall be 2.5”/62mm x 5”/125mm. The Hand hole is:

- 2.5’/62mm x 5”/125mm.

**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>
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</thead>
<tbody>
<tr>
<td>10</td>
<td>10 feet/3.10M</td>
<td>39</td>
<td>14.8</td>
<td>11.9</td>
<td>9.7</td>
<td>8.1</td>
<td>6.8</td>
<td>5.8</td>
<td>5.0</td>
</tr>
<tr>
<td>11</td>
<td>11 feet/3.35M</td>
<td>45</td>
<td>15.0</td>
<td>12.0</td>
<td>9.8</td>
<td>8.1</td>
<td>6.8</td>
<td>5.8</td>
<td>5.0</td>
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<tr>
<td>12</td>
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<td>6.4</td>
<td>5.4</td>
<td>4.7</td>
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<tr>
<td>13</td>
<td>13 feet/3.96M</td>
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<td>10.1</td>
<td>8.5</td>
<td>7.0</td>
<td>5.9</td>
<td>5.0</td>
<td>4.3</td>
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<tr>
<td>14</td>
<td>14 feet/4.27M</td>
<td>58</td>
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<td>10.1</td>
<td>8.2</td>
<td>6.7</td>
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<tr>
<td>15</td>
<td>15 feet/4.57M</td>
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<tr>
<td>16</td>
<td>16 feet/4.88M</td>
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<tr>
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<tr>
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<td>27 feet/8.32M</td>
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</table>

Wind speed values are for a 3-second gust per ASCE. 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.

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**Direct Embedded - DE**

**Anchor Base Installation - AB**

**Whatley - Valmont Composite Structures, Inc.**

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