Decorative Lamp Post

Tapered Octagon Pole

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

Ordering Information

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<th>BASE &amp; POLE DESIGN</th>
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<th>INSTALLATION METHOD</th>
<th>COLOR</th>
<th>TENON O.D.</th>
<th>OPTIONS</th>
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<tr>
<td>CO50-D4M</td>
<td>25</td>
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<td>DGR</td>
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<td>RC</td>
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<td>AB</td>
<td>BLK</td>
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**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
- 22: 22 feet / 6.7M
- 23: 23 feet / 7.0M
- 24: 24 feet / 7.3M
- 25: 25 feet / 7.6M
- 26: 26 feet / 7.9M
- 27: 27 feet / 8.3M
- 28: 28 feet / 8.5M
- 29: 29 feet / 8.8M
- 30: 30 feet / 9.1M

**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' (76 mm) O.D. x 3'(76mm) height
- 40: 4' (102 mm) O.D. x 6'(178mm) height
- 99: Custom Tenon Size

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

**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.
Specifications
POLE SHAFT
The CO50 pole shaft shall be octagon tapered, smooth with a .18"/4.6mm 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.

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 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.

POST TOP
A painted aluminum or galvanized steel tenon 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.

Wind Loading Data for Direct Embedded and Anchor Base

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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.

Contact factory for AASHTO or specific local codes.