**COMPOSITE POLE**

**SQUARE POLE 5.0 INCHES**

- Square straight composite pole shaft
- Direct Embedded and Anchor Base models
- ABS Injection Molded 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>
</tr>
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<tbody>
<tr>
<td>SS5</td>
<td>16</td>
<td>DE</td>
<td>BLK</td>
<td>30</td>
</tr>
<tr>
<td>SS5</td>
<td>20</td>
<td>AB</td>
<td>DGR</td>
<td>23</td>
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</table>

- **B** Above Grade Height
  - Cat No. Description
  - 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
  - Cat No. Description
  - DE Direct Embedded
  - AB Anchor Base

- **D** Color
  - Cat No. Description
  - BLK Black
  - MTB Matte Black
  - DBZ Dark Bronze
  - DGR Dark Green
  - HTG Hunter 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)
  - Cat No. Description
  - 23 2 3/8" (60 mm)
  - 27 2 7/8" (73 mm)
  - 30 3" (76 mm) nominal

  - For other tenon sizes contact the factory.

- **F** Options
  - Cat No. Description
  - 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.
### Specifications

**POLE SHAFT**
The pole shaft shall be square straight 4" square, smooth with a 2.5'/62mm x 5'/125mm cover painted to match pole. The composite lighting pole shall be square, hollow and straight with no taper. The pole shall be non-conductive and chemically inert. The square cross section shall provide 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-ground length and have no more than a 15% deflection at full wind loading. 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.

**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) to the sun, with no dulling or chalking of the surface.

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

**BASE COVER**
The standard base cover shall be a round or square two-piece ABS cover. All base covers shall be corrosion free and painted to match pole.

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

### Direct Embedded - DE

<table>
<thead>
<tr>
<th>SHAFT LENGTH</th>
<th>EMBEDDED DEPTH</th>
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<tbody>
<tr>
<td>10 to 13 feet</td>
<td>3ft / 910mm</td>
</tr>
<tr>
<td>14 to 24 feet</td>
<td>4ft / 1250mm</td>
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<tr>
<td>25 to 30 feet</td>
<td>5ft / 1520mm</td>
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</table>

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

Hand hole is:
2.5'/62mm x 5'/125mm.

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**Anchor Base Installation - AB**

- Hand hole is 2.5'/62mm x 5'/125mm
- Mounting holes are 1'/25mm x 1.5'/38mm for 11" bolt circle
- Conduit entry hole in base plate is 4.0'/100mm

### Anchor Base Dimensions for SS5

<table>
<thead>
<tr>
<th>BOLT CIRCLE (A)</th>
<th>BASE PLATE SIZE (B)</th>
<th>ANCHOR BOLTS</th>
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<tbody>
<tr>
<td>10'/125mm</td>
<td>11.125'/283mm</td>
<td>3/4&quot; x 30&quot;</td>
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### Wind Loading Data

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<th>120</th>
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<td>41.9</td>
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</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; for side mounting, total loading cannot exceed 50 lbs (max loading includes all attachments, arms, fixtures & accessories).

Contact factory for AASHTO or specific local codes.

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