Straight Square Steel Poles, 4” & 5”

The Straight Square Steel poles are built from high strength steel tube and are available side drilled for arm mounted area lighting luminaires or with tenon mounts for flood and post top luminaires. Typical area lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 10 to 30 feet can be used based on selected luminaire application.

Specifications and Features: Pole

Specifications:
Conforms to ASTM-A 500 Grade B: Minimum Yield Strength of 46,000 PSI.

Finish:
Textured Architectural Bronze Powdercoat Finish, Baked to Ensure Maximum Paint Adhesion, Hardness and Durability.

Anchor Bolts:
Anchor Bolts are Included, Sized Based on Pole Data Charts for the Selected Pole Size.

Hand Hole:
Cast Iron Reinforced Hand Hole and Cover with Ground Screw.

Base Cover:
Poles are Provided With a Two-Piece Formed Steel Base Cover that is Easily Assembled and Fitted Over Pole Base.

Pole Length:
Poles are Available in Standard Lengths as Shown in the Order Matrix. Poles can be Custom Cut to Order. Consult Factory.

Mounting Options:
Standard Length Poles Include 2½” OD Tenon, Side Drilled 4@90 Degrees, Polycarbonate Top Cover and Hole Plugs for Unused Drilling Locations.

Cut To Order Poles can be Side Drilled for 2@180 Degrees or 4@90 Degrees, Includes Polycarbonate Top Cover and Hole Plugs for Unused Drilling Locations.

Cut To Order Poles May Also Be Ordered With 2½” OD Tenons for Use With Post Top Decorative Luminaires, Flood/Area Slip Fitter Fixtures, or Any of a Wide Variety of Pole Top Mounting Accessories.

Our standard equipment is to make a top adapter with 2.5 inches. There is no opening on the top of the light pole. If ARM installation is needed, the top adapter shall be removed and holes shall be opened on the wall of the light pole. Finally, seal the top with a plastic rain cover.

Specifications:

<table>
<thead>
<tr>
<th>Specification type</th>
<th>10FT</th>
<th>15FT</th>
<th>20FT</th>
<th>25FT</th>
<th>30FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>10FT4-11G-D-T</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15FT4-11G-D-T</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20FT4-11G-D-T</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25FT4-11G-D-T</td>
<td>L=3.0 (m)</td>
<td>L=4.6 (m)</td>
<td>L=6.1 (m)</td>
<td>L=7.6 (m)</td>
<td>L=9.1 (m)</td>
</tr>
<tr>
<td>30FT5-11G-D-T</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>
## Dimension data:

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Mt. height</th>
<th>Wall thickness</th>
<th>Shaft size</th>
<th>Base size</th>
<th>Bolt circle</th>
<th>Bolt projection</th>
<th>Bolt size</th>
<th>Pole weight</th>
<th>EPA 70</th>
<th>EPA 80</th>
<th>EPA 90</th>
<th>EPA 100</th>
<th>EPA 110</th>
<th>EPA 120</th>
</tr>
</thead>
<tbody>
<tr>
<td>10FT4-11G-D-T</td>
<td>10 ft.</td>
<td>11 gauge</td>
<td>4x4 in.</td>
<td>11 in.</td>
<td>8-11 in.</td>
<td>2.75 in.</td>
<td>3/4x17x3 in.</td>
<td>88 lbs.</td>
<td>25.2</td>
<td>20.5</td>
<td>17.1</td>
<td>11.4</td>
<td>10.3</td>
<td>9.6</td>
</tr>
<tr>
<td>15FT4-11G-D-T</td>
<td>15 ft.</td>
<td>11 gauge</td>
<td>4x4 in.</td>
<td>11 in.</td>
<td>8-11 in.</td>
<td>2.75 in.</td>
<td>3/4x17x3 in.</td>
<td>117 lbs.</td>
<td>15.2</td>
<td>12.5</td>
<td>10.1</td>
<td>8.5</td>
<td>6.9</td>
<td>5.4</td>
</tr>
<tr>
<td>20FT4-11G-D-T</td>
<td>20 ft.</td>
<td>11 gauge</td>
<td>4x4 in.</td>
<td>11 in.</td>
<td>8-11 in.</td>
<td>2.75 in.</td>
<td>3/4x17x3 in.</td>
<td>152 lbs.</td>
<td>9.2</td>
<td>7.3</td>
<td>6</td>
<td>4.2</td>
<td>3</td>
<td>1.6</td>
</tr>
<tr>
<td>25FT4-11G-D-T</td>
<td>25 ft.</td>
<td>11 gauge</td>
<td>4x4 in.</td>
<td>11 in.</td>
<td>8-11 in.</td>
<td>2.75 in.</td>
<td>3/4x17x3 in.</td>
<td>190 lbs.</td>
<td>8.9</td>
<td>6.9</td>
<td>5.7</td>
<td>4.1</td>
<td>3.6</td>
<td>2.2</td>
</tr>
<tr>
<td>30FT5-11G-D-T</td>
<td>30 ft.</td>
<td>11 gauge</td>
<td>5x5 in.</td>
<td>11 in.</td>
<td>10-12 in.</td>
<td>3.375 in.</td>
<td>3/4x17x4 in.</td>
<td>267 lbs.</td>
<td>7.2</td>
<td>5.4</td>
<td>4.1</td>
<td>3.8</td>
<td>2.8</td>
<td>1.2</td>
</tr>
</tbody>
</table>

### National Wind Velocity Map

To calculate acceptable windloading, see reverse side.
POLE BRACKET • For mounting one fixture on an existing pole

4" Square Pole Mount with 2-3/8" O.D. Tenon
NO. VTS1-D  
Finish: Dark Bronze  
MAX EPA: 0.3  
USE: For use with square, non-tapered steel and aluminum poles. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

5" Square Pole Mount with 2-3/8" O.D. Tenon
NO. VTS5-D  
Finish: Dark Bronze  
MAX EPA: 0.3  
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 3/8"-16 x 2-1/2" stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

WALL BRACKET • Provides wiring access

90° Wall Mount Bracket with 2-3/8" O.D. Tenon  
NO. ADP2.5-W90-D  
Finish: Dark Bronze  
MAX EPA: 0.6  
USE: The 90° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 1-1/4" apart.

MID-POLE TENON BRACKET

2-3/8" OD Horizontal Tenon Mid-Pole Bracket  
NO. ADP2.5-D  
Finish: Dark Bronze  
MAX EPA: 0.3  
USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slip-fitter onto a 2-3/8" OD horizontal tenon.

ROUND EXTERNAL MOUNT HORIZONTAL TENON • To mount 2/3/4 fixtures on an existing pole

Double 90° Horizontal Tenon Adaptor  
NO. SB2.5TW90-D  
Finish: Dark Bronze  
MAX EPA: 0.4  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

Quad 90° Horizontal Tenon Adaptor  
NO. SB2.5Q90-D  
Finish: Dark Bronze  
MAX EPA: 0.9  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

Single Spoke Bracket Tenon Adaptor  
NO. SB2.5-S  
Finish: Dark Bronze  
MAX EPA: 0.4  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

Triple 90° Horizontal Tenon Adaptor  
NO. RB2.5TR90-D  
Finish: Dark Bronze  
MAX EPA: 1.0  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

Double 180° Horizontal Tenon Adaptor  
NO. SB2.5TW180-D  
Finish: Dark Bronze  
MAX EPA: 0.6  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

Quad 180° Horizontal Tenon Adaptor  
NO. RB2.5Q180-D  
Finish: Dark Bronze  
MAX EPA: 1.0  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

3/8" OD Horizontal Tenon Mid  
NO. SB2.5DOD-MID  
Finish: Dark Bronze  
MAX EPA: 0.9  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.

Triple 180° Horizontal Tenon Adaptor  
NO. RB2.5TR180H-D  
Finish: Dark Bronze  
MAX EPA: 1.0  
USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.
## SQUARE EXTERNAL MOUNT HORIZONTAL TENON

**To mount 2/3/4 fixtures on an existing pole**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>MAX EPA</th>
<th>Finish</th>
<th>USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Profile Ballast with 3 Tenons</td>
<td>VTS8R-3T-D</td>
<td>1.6</td>
<td>Dark Bronze</td>
<td>The Bracket is designed to mount over 2-3/8” O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</td>
</tr>
<tr>
<td>Low Profile Ballast with 3 Tenons</td>
<td>VTS9R-3T-D</td>
<td>1.0</td>
<td>Dark Bronze</td>
<td>The Bracket is designed to mount over 2-3/8” O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</td>
</tr>
<tr>
<td>Triple 120° Horizontal Tenon Adaptor</td>
<td>GT120-3T-D</td>
<td>1.4</td>
<td>Dark Bronze</td>
<td>The Bracket is designed to mount over 2-3/8” O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</td>
</tr>
<tr>
<td>Quad 90° Horizontal Tenon Adaptor</td>
<td>GT90-4T-D</td>
<td>1.8</td>
<td>Dark Bronze</td>
<td>The Bracket is designed to mount over 2-3/8” O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</td>
</tr>
</tbody>
</table>

### MOUNTING OPTIONS:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Finish</th>
<th>USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEWSBARMZ-2-D</td>
<td>Dark Bronze</td>
<td>Arm Mount 4” and 5” Square and Round poles. Standard versatile mounting arm is simple to install and can be used with existing poles for retro installations.</td>
</tr>
<tr>
<td>SBT-D</td>
<td>Dark Bronze</td>
<td>Easy to install for direct wall mounting with 1/2” conduit wiring.</td>
</tr>
<tr>
<td>BMS-5</td>
<td>Silver</td>
<td>Before installing the lamp pole, the installation hook should be buried underground and fixed by cement. After fixing, the lamp pole should be fixed by locking screw and base installed.</td>
</tr>
<tr>
<td>IBSS-5-D</td>
<td>Dark Bronze</td>
<td>The 5” installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.</td>
</tr>
<tr>
<td>IBM-5-D</td>
<td>Dark Bronze</td>
<td>This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked.</td>
</tr>
<tr>
<td>ARM-BAR-D</td>
<td>Dark Bronze</td>
<td>USE: square tube light bar installation, with Arm installation of lamps.</td>
</tr>
<tr>
<td>SADP-BAR-D</td>
<td>Dark Bronze</td>
<td>USE: square tube light bar installation, with Arm installation of lamps.</td>
</tr>
<tr>
<td>Feature</td>
<td>Height</td>
<td>Size</td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td>10 FT (3.0M)</td>
<td>4 (4X4in.)</td>
</tr>
<tr>
<td></td>
<td>15FT (4.6M)</td>
<td>5 (5X5in.)</td>
</tr>
<tr>
<td></td>
<td>20 FT (6.1M)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25FT (7.6M)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30 FT (9.1M)</td>
<td></td>
</tr>
</tbody>
</table>

Installation

1. Dig a hole in the installation position of the lamp pole. Fixed four fastener fittings according to the hole position of lamp pole and poured with cement concrete. (as shown in the figure)

2. Align the four bolts of the lamp pole to the mounting hole of the lamp pole. After fixing the lamp pole with a nut, install a protective cover at the lower end of the lamp pole. (as shown in the figure)