**SSS**

**Square Straight Steel Pole**

**No Arm — 4-Bolt Base**

<table>
<thead>
<tr>
<th>C</th>
<th>D Top Sq.</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 (11 Gauge)</td>
<td>4</td>
<td>8 - 9</td>
<td>8</td>
<td>3.75</td>
<td>.75 x 17 x 3</td>
</tr>
<tr>
<td>4 (7 Gauge)</td>
<td>4</td>
<td>8 - 9</td>
<td>8</td>
<td>3.75</td>
<td>.75 x 30 x 3</td>
</tr>
<tr>
<td>5 (11 Gauge)*</td>
<td>5</td>
<td>10 - 12</td>
<td>11</td>
<td>4.875</td>
<td>.75 x 30 x 3</td>
</tr>
<tr>
<td>5 (7 Gauge)</td>
<td>5</td>
<td>10 - 12</td>
<td>11</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>11 - 13</td>
<td>12.5</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
</tbody>
</table>

*Requires the use of oversized washers (provided). Dimensions in inches

---

**Base Style**

4-Bolt Steel Plate

Base Flange of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware.

---

**Anchorage**

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M214-80 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A193. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A paper bolt circle template will be provided.

---

**Handhole**

Reinforced, 3" x 5"

Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

---

**Base Cover**

Square ABS plastic Base Covers are standard on all SSS poles specified in BA-Black, BM-Dark Bronze and BH-White. SSS poles specified in all other colors will be manufactured of metal materials. Custom specification of SSS square metal style Base Covers in BA, BM and BH powder coated finishes is available.

---

**Vibration Damper**

If determined necessary by Hapco, a top-mount, field installed First Mode Vibration Damper will be provided. Customer specification of the damper is available.

---

**Pole**

Pole shaft shall be weldable-grade, cold-rolled, commercial quality carbon steel tubing conforming to ASTM A500 Grade B. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.2 using ER70S-6 electrodes.

---

**WARNING:** Do not install light pole without luminaire.
### Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.

- **MOUNTING**
- **BASE**
- **STYLE**
- **FINISH**

<table>
<thead>
<tr>
<th>SHAFT</th>
<th>ASSEMBLY</th>
<th>WALL</th>
<th>TOP</th>
<th>SQ.</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SSS</strong></td>
<td><strong>H</strong></td>
<td><strong>S</strong></td>
<td><strong>G</strong></td>
<td><strong>A</strong></td>
<td><strong>L</strong></td>
</tr>
</tbody>
</table>

**Catalog Number Example -**

- **SSS 20 D 5 - 4 - BA**
  - Square Straight Steel, 20" Mounting Height, 7 Gauge, 5" Butt Square, No Taper, 4-Bolt Base, Black Powder Coat Finish.

### Side Drill Mount
- Includes removable pole cap.
- NOTE: A luminaire drilling template must be supplied at time of order.

### Mounting Options

<table>
<thead>
<tr>
<th>Model</th>
<th>Butt Sq.</th>
<th>Diameter</th>
<th>Height</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>D390</td>
<td>3.50</td>
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<td>90</td>
<td>10</td>
</tr>
<tr>
<td>D490</td>
<td>4.00</td>
<td>4.0</td>
<td>100</td>
<td>12</td>
</tr>
<tr>
<td>D218</td>
<td>2.00</td>
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<td>110</td>
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<tr>
<td>D390</td>
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</tr>
<tr>
<td>D218</td>
<td>2.00</td>
<td>4.0</td>
<td>140</td>
<td>20</td>
</tr>
</tbody>
</table>

### Drill Mount Options

- D190
- D290
- D218

### Pole Orientation

- D 180°
- C 270°
- B 0°

### Tenon Mount
- For Tenon Mount applications specify both Tenon diameter and length.

### Electrical Box

- GFI Duplex GFI Receptacle
- GFI Duplex GFI Receptacle (WR) with Cover
- GFI Duplex GFI Receptacle with Cover

### Pole Orientation

- Extra Handhole
- Extra Handhole (WR)
- Extra Handhole
- Extra Handhole

### Powder Coat Colors

- BA - Black Powder Coat
- BM - Dark Bronze Powder Coat
- BV - Dark Green Powder Coat
- GC - Gray Powder Coat
- SC - Special Colors*

### Catalog Number Example

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Model</th>
<th>Butt Sq.</th>
<th>Diameter</th>
<th>Height</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>SSS 20 D 5 - 4 - BA</td>
<td>20</td>
<td>5</td>
<td>240</td>
<td>2.20</td>
<td>4.0</td>
</tr>
</tbody>
</table>

*Specify Number and Orientation

**Specify D.O. and Height

### EPA Notes:
- Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life.
- Maximum EPA is based on the luminaire weight shown.
- Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.
### Round Straight Steel Pole
**No Arm — 4-Bolt Base**

**D Top Diameter**

**B Wall Thickness**
Round Straight Steel Tube
ASTM A500 Grade B Steel

**Removable Pole Cap**
(Tenon Option Available)

---

### Pole

Pole shaft shall be weldable-grade, cold-rolled, commercial quality carbon steel tubing conforming to ASTM A500 Grade B. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.1 using ER70S-6 electrodes.

### Base Style

4-Bolt Steel Base
Plate of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware.

### Anchorage

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel).

A paper bolt circle template will be provided.

### Handhole

3" Butt Diameter - Reinforced, 2" x 4" Handhole with cover and stainless steel screws. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

4"+ Butt Diameters - Reinforced, 3" x 5" Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

### Base Cover

Round ABS plastic Base Covers are standard in all 11 Gauge RSS poles specified in powder coat finishes BA-Black, BM-Dark Bronze and BH-White.

Square metal powder coated Base Covers are standard in all 11 Gauge RSS poles that are specified in colors other than BA, BM, and BH and in all 7 Gauge poles in ALL COLORS. Custom specification of RSS Square Metal style Base Covers in BA, BM and BH powder coated finishes is available.

### Vibration Damper

If determined necessary by Hapco an internal, factory installed, Second Mode Vibration Damper will be provided. Custom specification of the damper is available.

---

**Dimensions in Inches**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
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<td>3.75</td>
<td>.75 x 17 x 3</td>
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<tr>
<td>4</td>
<td>4</td>
<td>7.5-8.5</td>
<td>8</td>
<td>3.75</td>
<td>.75 x 17 x 3</td>
</tr>
<tr>
<td>4.5</td>
<td>4.5</td>
<td>7.5-8.5</td>
<td>8</td>
<td>3.75</td>
<td>.75 x 17 x 3</td>
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<tr>
<td>5 (11 Gauge)</td>
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<td>7.5-8.5</td>
<td>8</td>
<td>3.75</td>
<td>.75 x 17 x 3</td>
</tr>
<tr>
<td>5 (7 Gauge)</td>
<td>5</td>
<td>8-9</td>
<td>8.75</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
</tbody>
</table>

**WARNING:** Do not install light pole without luminaire.
### Catalog Number System

The catalog number for Hapco poles utilizes the following identification system:

```
RSS Height Butt Gauge Top Dia. Style Finish
```

### Catalog Number Example

**RSS 20B 4 - 4 - BH**

Round Straight Steel, 20' Mounting Height, 11 Gauge, 4" Butt Diameter, No Taper, 4-Bolt Base, White Powder Coat Finish.

### EPA Notes

Effective Projected Area (EPA) in square feet. EPA is calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

<table>
<thead>
<tr>
<th>Height</th>
<th>Butt Gauge</th>
<th>Top Dia.</th>
<th>Style</th>
<th>Finish</th>
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</thead>
<tbody>
<tr>
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<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
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<tr>
<td>100</td>
<td>110</td>
<td>4</td>
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<td>110</td>
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<td>4</td>
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<td>130</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
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</tr>
<tr>
<td>140</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
</tbody>
</table>

### Pole Orientation

- **D:** 180°
- **C:** 270°
- **A:** 90°
- **B:** 0°

### Electrical Box**

- **GF1:** Duplex GFI Receptacle with Cover
- **GF2:** Duplex GFI with In-Use Cover

### Mounting Options

- **ASSEMBLY SHAFT:**
  - FA - 30" Up, "D"
  - FB - 30" Up, "B"
  - FC - 30" Up, "A"
  - FD - 30" Up, "C"
  - FE - 36" Up, "D"
  - FF - 36" Up, "B"
  - FG - 36" Up, "A"
  - FH - 36" Up, "C"
  - FI - 24" Up, "D"
  - FK - 24" Up, "A"
  - FL - 24" Up, "C"
  - FZ - Custom

- **MOUNTING OPTIONS: DRILL MOUNT**
  - D000 - No Drilling
  - D190 - Std. "A"
  - D290 - Std. "A" & "D"
  - D390 - Std. "A", "G", 
  - D490 - Std. "A", "B", "C", & "D"

- **MOUNTING OPTIONS: TENON**
  - T204 - 2-3/8" Dia. x 4"
  - T304 - 2-7/8" Dia. x 4"
  - T356 - 3-1/2" Dia. x 6"
  - T405 - 4" Dia. x 6"
  - T2US - Custom Tenon

- **ACCESSORIES/OPTIONS:**
  - **FA:** 4" O.D. x 4" Standard Tenon
  - **FB:** 3-1/2" O.D. x 4" Standard Tenon
  - **FC:** 3" O.D. x 4" Standard Tenon
  - **FD:** 2-3/8" O.D. x 4" Standard Tenon
  - **FE:** Black PC Over Galv.
  - **FF:** White PC Over Galv.
  - **FG:** Black PC Over Galv.

### Powder Coat Colors

- **BA:** Black Powder Coat
- **BB:** Brown Powder Coat
- **BC:** Concrete Powder Coat

### Galvanized Options

- **100:** Galvanized Only
- **200:** Black PC Over Galv.
- **300:** White PC Over Galv.
- **B15:** Black PC Over Galv.
- **B75:** White PC Over Galv.

### Special Colors

- **SC:** Special Colors**

### Accessory/Options

- **SCG:** Color Chip

### Catalog Number Example

**RSS 20 B 4 - 4 – BH**

Round Straight Steel, 20' Mounting Height, 11 Gauge, 4" Butt Diameter, No Taper, 4-Bolt Base, White Powder Coat Finish.

<table>
<thead>
<tr>
<th>Height</th>
<th>Butt Gauge</th>
<th>Top Dia.</th>
<th>Style</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>110</td>
<td>4</td>
<td>Round Straight Steel Pole</td>
<td></td>
</tr>
</tbody>
</table>

### Pole Orientation

- **D:** 180°
- **C:** 270°
- **A:** 90°
- **B:** 0°

### Electrical Box

- **GF1:** Duplex GFI Receptacle with Cover
- **GF2:** Duplex GFI with In-Use Cover

### Mounting Options

- **ASSEMBLY SHAFT:**
  - FA - 30" Up, "D"
  - FB - 30" Up, "B"
  - FC - 30" Up, "A"
  - FD - 30" Up, "C"
  - FE - 36" Up, "D"
  - FF - 36" Up, "B"
  - FG - 36" Up, "A"
  - FH - 36" Up, "C"
  - FI - 24" Up, "D"
  - FK - 24" Up, "A"
  - FL - 24" Up, "C"
  - FZ - Custom

- **MOUNTING OPTIONS: DRILL MOUNT**
  - D000 - No Drilling
  - D190 - Std. "A"
  - D290 - Std. "A" & "D"
  - D390 - Std. "A", "G", 
  - D490 - Std. "A", "B", "C", & "D"

- **MOUNTING OPTIONS: TENON**
  - T204 - 2-3/8" Dia. x 4"
  - T304 - 2-7/8" Dia. x 4"
  - T356 - 3-1/2" Dia. x 6"
  - T405 - 4" Dia. x 6"
  - T2US - Custom Tenon

### Special Colors

- **SC:** Special Colors**

### Accessory/Options

- **SCG:** Color Chip

### Powder Coat Colors

- **BA:** Black Powder Coat
- **BB:** Brown Powder Coat
- **BC:** Concrete Powder Coat

### Galvanized Options

- **100:** Galvanized Only
- **200:** Black PC Over Galv.
- **300:** White PC Over Galv.
- **B15:** Black PC Over Galv.
- **B75:** White PC Over Galv.

### Special Colors

- **SC:** Special Colors**

### Accessory/Options

- **SCG:** Color Chip

### Catalog Number Example

**RSS 20 B 4 - 4 – BH**

Round Straight Steel, 20' Mounting Height, 11 Gauge, 4" Butt Diameter, No Taper, 4-Bolt Base, White Powder Coat Finish.
Round Tapered Steel Pole
No Arm — 4-Bolt Base

Removable Pole Cap
(Tenon Option Available)

D Top Diameter

B Wall Thickness
Round Tapered Steel Tube
ASTM A595 Grade A Steel

A Mounting Height

Handhole

C Butt Diameter
4-Bolt Base
With Cover

Pole
Pole shaft shall be weldable-grade, hot-rolled, commercial quality carbon steel tubing conforming to ASTM A595 Grade A. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.2 using ER70S-6 electrodes.

Base Style
4-Bolt Steel Base Plate of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware. Base Cover will be fabricated from metal materials.

Anchorage
Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A paper bolt circle template will be provided.

Handhole
Up To 5.9" Butt Diameters -
Reinforced, 3" x 5" Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

G+" Butt Diameters -
Reinforced, 4" x 6-1/2" Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

Base Cover
Square metal powder coated Base Covers are standard on all RTS poles.

Vibration Damper
If determined necessary by Hapco, an internal, factory installed, Second Mode Vibration Damper will be provided. Customer specification of the damper is available.

WARNING: Do not install light pole without luminaire.

---

<table>
<thead>
<tr>
<th>C Butt Dia.</th>
<th>F Bolt Cir. Dia.</th>
<th>G Base Sq.</th>
<th>H Bolt Proj.</th>
<th>I Bolt Size</th>
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<tbody>
<tr>
<td>4.5</td>
<td>7.5 - 8.5</td>
<td>8</td>
<td>3.75</td>
<td>.75 x 17 x 3</td>
</tr>
<tr>
<td>5.2</td>
<td>8 - 9</td>
<td>8.5</td>
<td>3.75</td>
<td>.75 x 17 x 3</td>
</tr>
<tr>
<td>6.1 - 6.6</td>
<td>9.5 - 10.5</td>
<td>10</td>
<td>3.75</td>
<td>.75 x 30 x 3</td>
</tr>
<tr>
<td>6.8</td>
<td>10 - 11</td>
<td>10</td>
<td>3.75</td>
<td>.75 x 30 x 3</td>
</tr>
<tr>
<td>7.0&quot; - 7.5</td>
<td>10.5 - 11.5</td>
<td>10.5</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
<tr>
<td>8.0</td>
<td>11 - 12</td>
<td>11</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
<tr>
<td>8.5</td>
<td>11.5 - 12.5</td>
<td>12</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
<tr>
<td>9.0 (11 Gauge)</td>
<td>12 - 13</td>
<td>12.375</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
</tr>
<tr>
<td>9.0 (7 Gauge)</td>
<td>13 - 14</td>
<td>12.75</td>
<td>5.875</td>
<td>1.25 x 48 x 6</td>
</tr>
<tr>
<td>10</td>
<td>13.5 - 14.5</td>
<td>13</td>
<td>4.875</td>
<td>1 x 48 x 4</td>
</tr>
<tr>
<td>11</td>
<td>15 - 16</td>
<td>14</td>
<td>5.875</td>
<td>1.25 x 48 x 6</td>
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<tr>
<td>12</td>
<td>16 - 17</td>
<td>15.5</td>
<td>6.75</td>
<td>1.5 x 54 x 6</td>
</tr>
</tbody>
</table>

*Nominal
Dimensions in inches

Powder Coated, Galvanized or Powder Coated over Galvanized Finish Per Customer Specification.
### Mounting Options

#### Side Drill Mount
Includes removable pole cap.

**NOTE:** A luminaire drilling template must be supplied at time of order.

#### Tenon Mount
For Tenon Mount applications specify both Tenon diameter and length.

---

### Drill Mount Options

<table>
<thead>
<tr>
<th>A Mig. Hgt.</th>
<th>B Wall Gauge</th>
<th>C Butt Dia.</th>
<th>D Top Dia.</th>
<th>Total Limit. Weight</th>
<th>MOUNTING Height</th>
<th>BUTT Dia.</th>
<th>BASE Style</th>
<th>FINISH</th>
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<tbody>
<tr>
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<td>3.1</td>
<td>385</td>
<td>90</td>
<td>120</td>
<td>130</td>
<td>140</td>
</tr>
<tr>
<td>20</td>
<td>11</td>
<td>6.1</td>
<td>3.3</td>
<td>340</td>
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### Electrical Box

#### Box Only

#### GF1 Duplex GFI Receptacle with Cover

#### GF2 Duplex GFI with In-Use Cover

### Pole Orientation

**Note:** GFI Options must be specified in Accessories.

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### Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.

#### Shaft Assembly

- **RTS:** Round Tapered Steel Pole
- **GF1:** Duplex GFI Receptacle (WR) with Cover
- **GF2:** Duplex GFI with In-Use Cover

#### Wall Gauge

- **A:** 11 Gauge
- **B:** 7 Gauge
- **C:** 5 Gauge
- **D:** 3 Gauge

#### Top Diameter

- **D190:** 1-1/8" O.D. x 6" (WR)
- **D218:** 1-1/2" O.D. x 4" (WR)
- **D290:** 1-1/2" O.D. x 4" (WR)
- **D312:** 1-1/2" O.D. x 4" (WR)
- **D390:** 1-1/2" O.D. x 4" (WR)
- **D490:** 1-1/2" O.D. x 4" (WR)

#### Drill Mount Options

- **RTS 30 B 80 - 4 - BM**
  - Round Tapered Steel, 30’ Mounting Height, 11 Gauge, 8” Butt Diameter, Tapered, 4-Bolt Base, Dark Bronze Powder Coat Finish.

### EPA Notes:

Effective Projected Area (EPA) is calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.
Value.

Durability.

Safety.

Proudly Supporting Our Industry…

American Welding Society
AWS D1.2 Committee

American Association of State Highway and Transportation Officials
AASHTO NCHRP

National Electrical Manufacturers Society
NEMA ANSI C136
Accredited Standards Committee

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