

PROJECT

TYPE

SPECIFIER

MEMO

ORDERING CODE BREAKDOWN

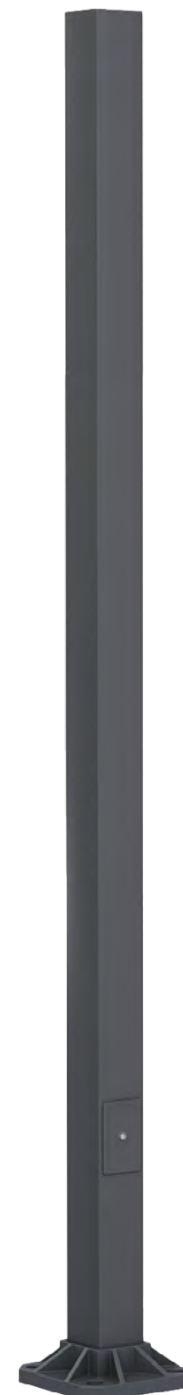
SQUARE STRAIGHT STEEL POLES

MAIN FEATURES

- Single piece construction, fabricated from carbon steel structural tubing with uniform wall thickness.
- Conform to ASTM A500 Grade C with a minimum yield strength of 50,000 psi.
- Anchor base fabricated from hot rolled carbon steel plate that meets/exceeds minimum yield strength of 36,000 psi.
- Handhole is standard on all poles.
- Anchor bolts fabricated from hot rolled carbon steel bar that meets/exceeds a minimum yield strength of 55,000 psi. Anchor bolts are provided with all poles unless otherwise specified.
- The Standard Finish is a polyester thermosetting powder coating with a minimum of 3 mils. Hot dip Galvanized finish to a ASTM A123 specification also available. Consult factory for alternate finishes.

| POLE | HEIGHT | DIAMETER | GAUGE | MOUNTING | FINISH | OPTIONS |
|------|------------------|-----------------|---------------|---------------------------------------|--------------|-------------------------------|
| SSSP | 10 : 10 ft. tall | 4 : 4" diameter | 11 : 11 gauge | DM10 : 1 side drilled for single head | SBZ : Bronze | AVD : Anti-Vibration Device |
| | 15 : 15 ft. tall | | | DM290 : 2 sides drilled at 90° | SBK : Black | |
| | 20 : 20 ft. tall | | | DM2180 : 2 sides drilled at 180° | SWH : White | GFR : Ground Fault Receptacle |
| | 25 : 25 ft. tall | | | DM390 : 3 sides drilled at 90° | SGY : Grey | |
| | 20 : 20 ft. tall | 4 : 4" diameter | 7 : 7 gauge | DM490 : 4 sides drilled at 90° | SGN : Green | |
| | 25 : 25 ft. tall | | | T238 : 2 3/8" OD Tenon | | |
| | 20 : 20 ft. tall | 5 : 5" diameter | 11 : 11 gauge | ND : No Drilling | | |
| | 25 : 25 ft. tall | | | | | |
| | 25 : 25 ft. tall | 5 : 5" diameter | 7 : 7 gauge | | | |
| | 30 : 30 ft. tall | | | | | |

- Notes:
- Anchor bolts and base covers are included, but are also available to order additional quantities separately. Consult factory.
 - Standard shipping is shared load which takes up to 2 weeks. Consult Factory for direct shipment options
 - Any pole + head combo meets BAA/BABA requirements. Consult factory to order.
 - Fixture(s) must be mounted prior to pole installation. Failure to do so will void warranty due to possible damaging harmonic vibrations.
 - Most common configurations listed. Consult Factory for additional options.



EPA DATA

| WIDTH | GAUGE | SOLAIS CODE | HEIGHT | 80 MPH | 90 MPH | 100 MPH | 110 MPH | 120 MPH | 130 MPH | 140 MPH |
|-------|-------|-------------|--------|--------|--------|---------|---------|---------|---------|---------|
| 4" | 11 | SSSP10-4-11 | 10' | 34.1 | 26.4 | 15.0 | 15.0 | 13.9 | 11.5 | 9.5 |
| | | SSSP15-4-11 | 15' | 20.8 | 15.7 | 12.1 | 9.4 | 7.4 | 5.8 | 4.3 |
| | | SSSP20-4-11 | 20' | 12.8 | 9.2 | 6.6 | 4.7 | 3.2 | 2.1 | 0.8 |
| | | SSSP25-4-11 | 25' | 7.7 | 5.0 | 3.0 | 1.5 | 0.4 | 5.6 | 4.2 |
| | 7 | SSSP20-4-7 | 20' | 21.2 | 15.0 | 11.3 | 8.6 | 6.5 | 4.9 | 3.6 |
| | | SSSP25-4-7 | 25' | 14.2 | 9.5 | 6.6 | 4.5 | 2.9 | 1.7 | 0.7 |
| 5" | 11 | SSSP20-5-11 | 20' | 21.2 | 9.9 | 6.8 | 4.4 | 2.6 | 1.3 | 0.2 |
| | | SSSP25-5-11 | 25' | 12.9 | 8.7 | 5.6 | 3.4 | 1.7 | 0.3 | 0.2 |
| | 7 | SSSP25-5-7 | 25' | 23.7 | 17.3 | 12.8 | 9.4 | 6.8 | 4.8 | 3.2 |
| | | SSSP30-5-7 | 30' | 16.1 | 11.3 | 7.6 | 4.9 | 2.9 | 1.3 | 1.2 |

▪ EPA vary; Consult Factory for additional options.

DRILL PATTERNS

DM10 : 1 side drilled for single head



DM390 : 3 sides drilled at 90°



DM290 : 2 sides drilled at 90°




DM490 : 4 sides drilled at 90°



DM2180 : 2 sides drilled at 180°



• Data below includes luminaire and integrated mounting option. Additional tenons, arms and brackets are not included.

| Fixture | Mounting Type | Tilt | Single (DM10) | 2 at 90° (DM290) | 2 at 180° (DM2180) | 2 at 120° (DM2120) | 3 at 90° (DM390) | 3 at 120° (DM3120) | 4 at 90° (DM490) | 2 Side-by-Side  |
|-------------------------|---|------------------|------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|---------------------|---|
| GL1 | Fixed Arm (FA) | n/a | 0.59 sq. ft. | 0.97 sq. ft. | 1.18 sq. ft. | 1.25 sq. ft. | 1.56 sq. ft. | 1.63 sq. ft. | 1.56 sq. ft. | 0.77 sq. ft. |
| | Extended Site Arm (ES) | n/a | 0.67 sq. ft. | 1.17 sq. ft. | 1.34 sq. ft. | 1.49 sq. ft. | 1.84 sq. ft. | 1.99 sq. ft. | 1.84 sq. ft. | 1.00 sq. ft. |
| | Extended Site Arm (ES) with Round Pole Adapter (ERP) | n/a | 0.72 sq. ft. | 1.22 sq. ft. | 1.43 sq. ft. | 1.54 sq. ft. | 1.93 sq. ft. | 2.04 sq. ft. | 1.93 sq. ft. | 1.00 sq. ft. |
| | Horizontal Tenon (HT) | n/a | 0.48 sq. ft. | 0.78 sq. ft. | 0.96 sq. ft. | 0.98 sq. ft. | 1.26 sq. ft. | 1.28 sq. ft. | 1.26 sq. ft. | 0.60 sq. ft. |
| GL1/BL1 | Knuckle Mount (KM) (7.5° increments) | 90° (horizontal) | 0.56 sq. ft. | 0.97 sq. ft. | 1.12 sq. ft. | 1.13 sq. ft. | 1.54 sq. ft. | 1.54 sq. ft. | 1.54 sq. ft. | 0.83 sq. ft. |
| | | 60° | 0.56 sq. ft. | 1.34 sq. ft. | 1.12 sq. ft. | 1.70 sq. ft. | 1.91 sq. ft. | 2.49 sq. ft. | 1.91 sq. ft. | 1.56 sq. ft. |
| | | 45° | 0.56 sq. ft. | 1.56 sq. ft. | 1.12 sq. ft. | 2.04 sq. ft. | 2.12 sq. ft. | 3.04 sq. ft. | 2.12 sq. ft. | 2.00 sq. ft. |
| | | 30° | 0.56 sq. ft. | 1.72 sq. ft. | 1.12 sq. ft. | 2.33 sq. ft. | 2.28 sq. ft. | 3.48 sq. ft. | 2.28 sq. ft. | 2.31 sq. ft. |
| | | 0° (vertical) | 0.56 sq. ft. | 1.83 sq. ft. | 1.12 sq. ft. | 2.50 sq. ft. | 2.39 sq. ft. | 3.77 sq. ft. | 2.39 sq. ft. | 2.54 sq. ft. |
| BL1 | Trunnion Mount (TM) (15° increments) | 90° (horizontal) | 0.45 sq. ft. | 0.75 sq. ft. | 0.89 sq. ft. | | 1.19 sq. ft. | | 1.19 sq. ft. | 0.60 sq. ft. |
| | | 60° | 0.45 sq. ft. | 1.08 sq. ft. | 0.89 sq. ft. | | 1.53 sq. ft. | | 1.53 sq. ft. | 1.28 sq. ft. |
| | | 45° | 0.45 sq. ft. | 1.29 sq. ft. | 0.89 sq. ft. | | 1.74 sq. ft. | | 1.74 sq. ft. | 1.70 sq. ft. |
| | | 30° | 0.45 sq. ft. | 1.44 sq. ft. | 0.89 sq. ft. | | 1.88 sq. ft. | | 1.88 sq. ft. | 1.98 sq. ft. |
| | | 0° (vertical) | 0.45 sq. ft. | 1.54 sq. ft. | 0.89 sq. ft. | | 1.99 sq. ft. | | 1.99 sq. ft. | 2.19 sq. ft. |
| GL2 + GL3 | Fixed Arm (FA) | n/a | 0.74 sq. ft. | 1.13 sq. ft. | 1.49 sq. ft. | 1.51 sq. ft. | 1.87 sq. ft. | 1.90 sq. ft. | 1.87 sq. ft. | 0.77 sq. ft. |
| | Extended Site Arm (ES) | n/a | 0.83 sq. ft. | 1.32 sq. ft. | 1.66 sq. ft. | 1.75 sq. ft. | 2.15 sq. ft. | 2.24 sq. ft. | 2.15 sq. ft. | 0.98 sq. ft. |
| | Extended Site Arm (ES) with Round Pole Adapter (ERP) | n/a | 0.88 sq. ft. | 1.37 sq. ft. | 1.75 sq. ft. | 1.80 sq. ft. | 2.24 sq. ft. | 2.29 sq. ft. | 2.24 sq. ft. | 0.98 sq. ft. |
| | Horizontal Tenon (HT) | n/a | 0.65 sq. ft. | 0.94 sq. ft. | 1.30 sq. ft. | 1.22 sq. ft. | 1.58 sq. ft. | 1.51 sq. ft. | 1.58 sq. ft. | 0.65 sq. ft. |
| GL2/BL2 + GL3/BL3 | Knuckle Mount (KM) (7.5° increments) | 90° (horizontal) | 0.73 sq. ft. | 1.14 sq. ft. | 1.46 sq. ft. | 1.37 sq. ft. | 1.87 sq. ft. | 1.78 sq. ft. | 1.87 sq. ft. | 0.82 sq. ft. |
| | | 60° | 0.73 sq. ft. | 1.75 sq. ft. | 1.46 sq. ft. | 2.02 sq. ft. | 2.48 sq. ft. | 3.04 sq. ft. | 2.48 sq. ft. | 2.04 sq. ft. |
| | | 45° | 0.73 sq. ft. | 2.06 sq. ft. | 1.46 sq. ft. | 2.33 sq. ft. | 2.80 sq. ft. | 3.66 sq. ft. | 2.80 sq. ft. | 2.66 sq. ft. |
| | | 30° | 0.73 sq. ft. | 2.29 sq. ft. | 1.46 sq. ft. | 2.57 sq. ft. | 3.02 sq. ft. | 4.13 sq. ft. | 3.02 sq. ft. | 3.12 sq. ft. |
| | | 0° (vertical) | 0.73 sq. ft. | 2.53 sq. ft. | 1.46 sq. ft. | 3.19 sq. ft. | 3.26 sq. ft. | 4.99 sq. ft. | 3.26 sq. ft. | 3.60 sq. ft. |
| BL2 + BL3 | Trunnion Mount (TM) (15° increments) | 90° (horizontal) | 0.61 sq. ft. | 0.91 sq. ft. | 1.22 sq. ft. | | 1.52 sq. ft. | | 1.52 sq. ft. | 0.60 sq. ft. |
| | | 60° | 0.61 sq. ft. | 1.52 sq. ft. | 1.22 sq. ft. | | 2.14 sq. ft. | | 2.14 sq. ft. | 1.82 sq. ft. |
| | | 45° | 0.61 sq. ft. | 1.81 sq. ft. | 1.22 sq. ft. | | 2.42 sq. ft. | | 2.42 sq. ft. | 2.40 sq. ft. |
| | | 30° | 0.61 sq. ft. | 2.02 sq. ft. | 1.22 sq. ft. | | 2.63 sq. ft. | | 2.63 sq. ft. | 2.81 sq. ft. |
| | | 0° (vertical) | 0.61 sq. ft. | 2.18 sq. ft. | 1.22 sq. ft. | | 2.80 sq. ft. | | 2.80 sq. ft. | 3.14 sq. ft. |