

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- One-piece steel construction provides durability and resists corrosion
- An assortment of finishes are available to complement the architectural elements of any outdoor space
- Available in heights up to 50'

SPECIFICATIONS

- SHAFT** – 1-piece assembly conforming to ASTM A595 Grade A or A572 Grade 55 with a constant linear taper of 0.14 in/ft
- POLE TOP** – Pole top plate and tenon provided for top mount luminaire. Removable pole cap provided for poles receiving drilling patterns for side-mount luminaire arm assemblies.
- HANDHOLE** – Reinforced and covered handhole with hardware and grounding provision provided. Poles with a 5.90" base diameter are supplied with a 3" x 5" nominal rectangular handhole. All other pole assemblies are provided with a 4" x 6.5" nominal ovalized handhole.
- BASE COVER** – Two-piece standard full base cover fabricated from ABS plastic. H.E. Williams, Inc. reserves the right to provide an optional two-piece steel full base cover on some applications depending upon the finish requirement and/or pole base diameter.
- FINISH** – Polyester powder coat bonded to pretreated metal, meets AAMA 2604 specifications for outdoor durability.
- HARDWARE** – All structural fasteners are galvanized high-strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel. Anchor bolts conform to ASTM F1554 Grade 55, galvanized a minimum of 12" on the threaded end.
- MOUNTING** – Anchor base (base plate) conforms to ASTM A36.

ORDERING EXAMPLE: RTS - 200 - 0590 - 11 - TM238 - DBR - AB - OPTIONS

ORDERING INFO

| SERIES | HEIGHT | SHAFT BASE DIAMETER | WALL THICKNESS | FIXTURE MOUNTING ^[1] |
|--------|---|---------------------|-----------------------------|---|
| RTS | Specify according to chart. See page 3 for LOAD AND DIMENSIONAL DATA. | | | POLE TOP MOUNT |
| 200 | 20'-0" ^[9] | 20' POLE | 7 7-gauge ^[11] | TM238 2-3/8" x 4" Round tenon |
| 250 | 25'-0" | 0590 5.90" | 11 11-gauge ^[12] | TM278 2-7/8" x 4" Round tenon |
| 300 | 30'-0" | 0650 6.50" | | TM3 3" x 4" Round tenon |
| 350 | 35'-0" ^[10] | 25' POLE | | TC___ Custom Round Tenon ^[2] |
| 390 | 39'-0" | 0590 5.90" | | |
| 450 | 45'-0" | 0700 7.00" | | |
| 500 | 50'-0" | 30' POLE | | DRILLED SIDE MOUNT |
| | | 0660 6.60" | | SM/S Single 0° ^[3] |
| | | 0800 8.00" | | SM/D90 Double 90° ^[4] |
| | | 35' POLE | | SM/D180 Double 180° ^[5] |
| | | 0730 7.30" | | SM/T90 Triple 90° ^[6] |
| | | 0850 8.50" | | SM/T120 Triple 120° ^[7] |
| | | 0950 9.50" | | SM/Q90 Quad 90° ^[8] |
| | | 39' POLE | | |
| | | 0782 7.82" | | |
| | | 0900 9.00" | | |
| | | 45' POLE | | |
| | | 1000 10.00" | | |
| | | 50' POLE | | |
| | | 1000 10.00" | | |

FINISH ^[13]

| | |
|-----------|--------------------------------|
| BLK | Black ^[14] |
| DBR | Medium bronze |
| DBZ | Dark bronze |
| GRAY | Standard gray |
| GRN | Green ^[15] |
| SLV | Satin aluminum ^[16] |
| WHT | White ^[17] |
| RAL#_____ | Specify custom color |

ANCHOR BOLTS

| | |
|-----|--|
| AB | Anchor bolts ^[18] |
| LAB | Less anchor bolts |
| PAB | Pre-shipped Anchor Bolts ^[19] |

OPTIONS

| | |
|------|----------------------------------|
| FS | Festoon box only ^[20] |
| FBCS | Full base cover, steel |
| NC | Nut covers |

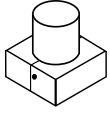
NOTES

- Designed for pole top tenon or drilled side mount. See page 2 for MOUNTING DETAILS.
- Must specify tenon diameter and height, consult factory.
- Located at 0°.
- Located at 0° and 90°.
- Located at 0° and 180°.
- Located at 0°, 90°, and 180°.
- Located at 0°, 120°, and 240°.
- Located at 0°, 90°, 180°, and 270°.
- 11 wall thickness only.
- 11 wall thickness only.
- 0.1793".

- 0.1196".
- See page 2 for FINISH OPTIONS.
- RAL #9004.
- RAL #6005.
- RAL #9006.
- RAL #9003.
- Four L-bolts provided with two hex nuts and two flat washers each, shipped with pole.
- Four L-bolts provided with two hex nuts and two flat washers each.
- Casting only. Outlet, cover and hardware by others.

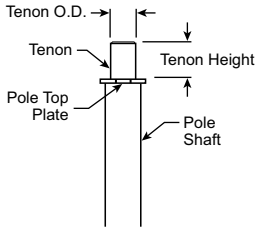
FIXTURE DETAILS

BASE COVER



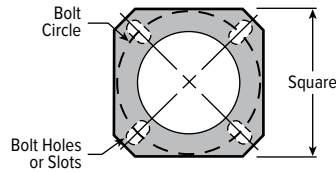
MOUNTING DETAILS

POLE TOP MOUNT TYPICAL TENON



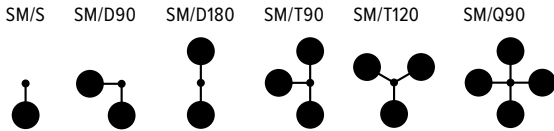
ANCHORAGE DATA

ANCHOR BASE

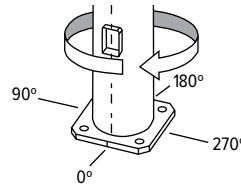
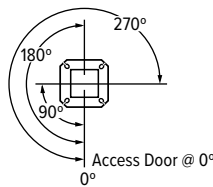


| POLE | | ANCHOR BASE | | | | ANCHOR BOLTS | | |
|-----------|----------------|-------------|------|---------|--------|----------------------|------------|------|
| BASE O.D. | WALL THK. (GA) | BOLT CIRCLE | | SQ. | THK. | DIA. X LENGTH X HOOK | PROJECTION | ± |
| | | DIA. | ± | | | | | |
| 5-15/16" | 11 | 9" | 1/2" | 10" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 6-1/2" | 11 | 9-1/2" | 1/2" | 10-1/2" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 6-5/8" | 11 | 9-1/2" | 1/2" | 10-1/2" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 7" | 11 | 10" | 1/2" | 10-7/8" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 7" | 7 | 10" | 1/2" | 10-7/8" | 1" | 1" x 36" x 4" | 4-1/4" | 1/4" |
| 7-5/16" | 11 | 10-1/2" | 1/2" | 11-1/4" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 7-13/16" | 11 | 11" | 1/2" | 11-1/2" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 8" | 11 | 11" | 1/2" | 11-1/2" | 7/8" | 1" x 36" x 4" | 4-1/8" | 1/4" |
| 8" | 7 | 11" | 1/2" | 11-1/2" | 1-1/4" | 1-1/4" x 42" x 6" | 5" | 1/4" |
| 8-1/2" | 11 | 11-1/2" | 1/2" | 12" | 1" | 1" x 36" x 4" | 4-1/4" | 1/4" |
| 9" | 11 | 12-1/2" | 1/2" | 12-3/8" | 1" | 1" x 36" x 4" | 4-1/4" | 1/4" |
| 9" | 7 | 12-1/2" | 1/2" | 12-3/8" | 1-1/4" | 1-1/4" x 42" x 6" | 5" | 1/4" |
| 9-1/2" | 11 | 13" | 1/2" | 13" | 1" | 1" x 36" x 4" | 4-1/4" | 1/4" |
| 10" | 11 | 13-1/2" | 1/2" | 14" | 1" | 1" x 36" x 4" | 4-1/4" | 1/4" |
| 10" | 7 | 13-1/2" | 1/2" | 14" | 1-1/4" | 1-1/4" x 42" x 6" | 5" | 1/4" |

DRILLED SIDE MOUNT OPTIONS



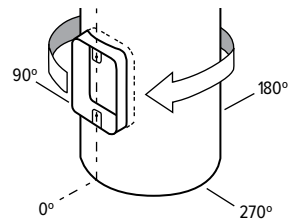
RADIAL INDEX



The Radial Index references how parts are oriented around the shaft. A degree measurement is used from a base point. The standard base point of reference is the access door. Degrees are measured in a clockwise motion as viewed from the top of the shaft.

OPTION DETAILS

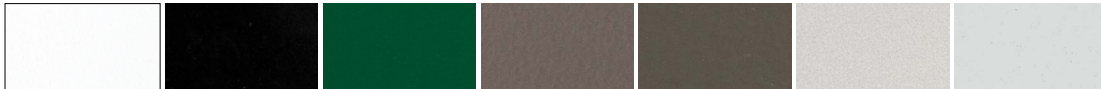
STEEL FESTOON BOX



NOTE: The festoon box is located above the access door at 0.

FINISH OPTIONS

WHITE BLACK GREEN MEDIUM BRONZE DARK BRONZE SATIN ALUMINUM GRAY



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

LOAD AND DIMENSIONAL DATA

| NOM. MTG. HEIGHT (FT) | CATALOG NUMBER | POLE DIMENSIONS | | | | 80 MPH ¹ | | 90 MPH ¹ | | 100 MPH ¹ | |
|-----------------------|------------------------------|-----------------|---------------|----------------|------------------------------|---------------------|------------------|---------------------|------------------|----------------------|------------------|
| | | BASE O.D. (IN) | TOP O.D. (IN) | WALL THK. (GA) | STRUC. WT (LBS) ² | MAX EPA (SQ FT) | MAX WEIGHT (LBS) | MAX EPA (SQ FT) | MAX WEIGHT (LBS) | MAX EPA (SQ FT) | MAX WEIGHT (LBS) |
| 20 | RTS-200-0590-11 ³ | 5.9 | 3.1 | 11 | 140 | 19.3 | 482 | 15.1 | 377 | 12.2 | 305 |
| | RTS-200-0650-11 | 6.5 | 3.7 | 11 | 160 | 24.2 | 605 | 19.3 | 482 | 15.6 | 390 |
| 25 | RTS-250-0590-11 ³ | 5.9 | 2.4 | 11 | 155 | 12.5 | 312 | 9.9 | 247 | 8.0 | 200 |
| | RTS-250-0700-11 | 7.0 | 3.5 | 11 | 200 | 20.3 | 507 | 16.2 | 405 | 13.1 | 327 |
| | RTS-250-0700-7 | 7.0 | 3.5 | 7 | 280 | 30.5 | 760 | 24.0 | 625 | 19.8 | 495 |
| 30 | RTS-300-0660-11 | 6.6 | 2.4 | 11 | 200 | 11.7 | 292 | 9.3 | 232 | 7.5 | 187 |
| | RTS-300-0800-11 | 8.0 | 3.8 | 11 | 265 | 18.9 | 473 | 14.9 | 373 | 12.0 | 300 |
| | RTS-300-0800-7 | 8.0 | 3.8 | 7 | 380 | 33.5 | 838 | 27.0 | 675 | 22.0 | 550 |
| 35 | RTS-350-0730-11 | 7.3 | 2.4 | 11 | 250 | 11.2 | 280 | 8.9 | 222 | 7.1 | 177 |
| | RTS-350-0850-11 | 8.5 | 3.6 | 11 | 315 | 18.9 | 472 | 15.1 | 377 | 12.2 | 305 |
| | RTS-350-0950-11 | 9.5 | 4.6 | 11 | 370 | 23.2 | 580 | 18.2 | 455 | 14.5 | 363 |
| 39 | RTS-390-0782-11 | 7.82 | 2.4 | 11 | 285 | 10.7 | 267 | 8.5 | 212 | 6.6 | 165 |
| | RTS-390-0900-11 | 9.0 | 3.58 | 11 | 355 | 17.2 | 430 | 13.5 | 338 | 10.8 | 270 |
| | RTS-390-0900-7 | 9.0 | 3.58 | 7 | 515 | 28.5 | 715 | 23.0 | 575 | 19.0 | 475 |
| 45 | RTS-450-1000-11 | 10.0 | 3.7 | 11 | 450 | 17.4 | 435 | 13.5 | 338 | 10.6 | 265 |
| | RTS-450-1000-7 | 10.0 | 3.7 | 7 | 650 | 28.5 | 715 | 23.0 | 575 | 19.0 | 475 |
| 50 | RTS-500-1000-11 | 10.0 | 3.0 | 11 | 475 | 13.2 | 330 | 10.6 | 265 | 8.3 | 208 |
| | RTS-500-1000-7 | 10.0 | 3.0 | 7 | 680 | 20.5 | 512 | 16.5 | 412 | 13.6 | 340 |

¹ Maximum weight and Effective Projected Area (EPA) values are based on a 1.3 Wind Gust Factor for top mounted luminaires or arm assemblies having a centroid 2'-6" above the nominal mounting height. Variations from sizes above are available upon inquiry. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. See page 4 for WIND MAP.

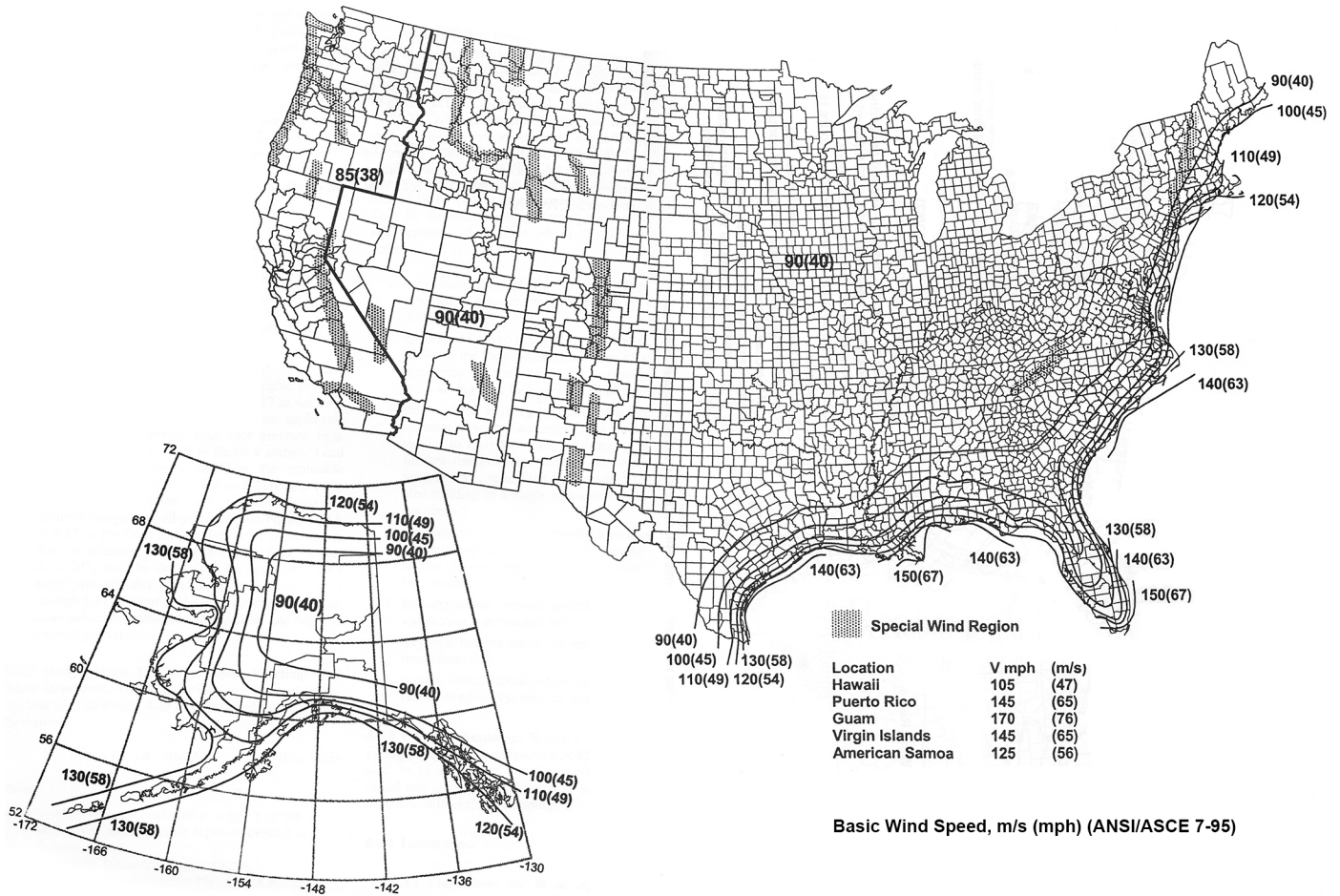
² Structure weight is a nominal value which includes the pole shaft and base plate only.

³ 3" x 5" nominal handhole - all others 4" x 6.5" nominal.

- Pole installations in various parts of the country perform satisfactorily; however, in select locations destructive vibration can occur. H.E. Williams, Inc. is not responsible for vibration induced fatigue damage.
- H.E. Williams, Inc. warrants this product to be free from defects in materials and workmanship. Any defective part returned within one year from the date of delivery of the goods will be repaired or replaced without charge, F.O.B. factory.
- This warranty specifically excludes fatigue or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

- The above warranties are given in lieu of all other warranties express or implied, including without limitation, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly stated that H.E. Williams, Inc. assumes no liability for consequential or liquidated damages arising out of a breach of the sale, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above.
- Any action for the breach under a sale including any warranties arising therefrom must be commenced within one year after the cause of action accrues.

WIND MAP



The Effective Projected Area (EPA) standards shown in the Load and Dimensional Data Tables on the specification sheets are designed to withstand dead loads and theoretical dynamic loads developed by variable wind speeds, as charted, with an appropriate wind gust factor under the following conditions:

- Values are nominal design 3-second gust wind speeds in miles per hour (m/s) at 33 ft (10 m) above ground for Exposure C category.

- Linear Interpolation between wind contours is permitted.
- Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
- Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
- This map is intended as a general guide. Check you local area for unique wind conditions.

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