

20A7RT156TB

20 Foot Round Tapered Aluminum Light Pole with Transformer Base, 7 Inch Diameter, 0.156 Inch Wall Thickness

PRODUCT DESCRIPTION

Pole Top Options: Poles are provided with either a removable top cap or a welded aluminum tenon. A 2-3/8 inch outside diameter tenon, 4 inches in length is the most common; however, other tenon options are available. Customers should confirm the appropriate tenon size required by their project prior to ordering. Poles with a top cap can also be drilled during fabrication. The drill pattern and orientation need to be provided by the customer unless Energy Light fixtures are being used for the project.

Pole Shaft: The pole shaft is constructed of seamless 6063 aluminum extruded tube per the requirements of ASTM B221. The shaft is full-length heat treated after base weld to produce a T6 temper.

Transformer Base: The cast transformer base (T-Base) is made from aluminum alloy 356-T6 with an aluminum cover and stainless-steel hex screws. It is FHWA breakaway approved. The 17-inch tall base includes a cover and attachment hardware. 6 to 10-inch butt diameter poles have a tapered cover opening that is 9-3/4 (Bottom) x 9-1/4 inch (Top) and 11-3/4 inch tall. Grounding provision feature a tapped 1/4"-20NC and 1/2"-13NC.

Anchor Bolts: Base anchorage includes four (4) L-shaped steel anchor bolts conforming to AASHTO M314-90 grade 55, four (4) each heavy-duty flat washers, lock washers, and hex nuts. Ten inches (10") of threaded end will be galvanized per ASTM A153. Top connecting hardware includes four (4) each 1"-8NC x 3-3/4" hex head bolts, flat washers, heavy-duty flat washers, lock washers, and hex nuts (galv. steel). A bolt circle template will be provided.

Color and Finish Options: The standard finish for our aluminum light poles is a natural aluminum finish. Our poles are also available with a commercial grade, powder coat finish for an additional charge. Standard color options include dark bronze, black, gray, green, and white; however, custom color options are also available.

Other Options: The following options are available at an additional charge. Please consult one of our light pole experts for details: Vibration dampener, custom tenon size, custom color, electric/GFI outlet, custom pole height, additional handhole and UL compliant handholes.

| Specification Table | | |
|--------------------------|---|------------|
| Mounting Height (ft.) | A | 20 |
| Wall Thickness (in.) | B | 0.156 |
| Top Diameter (in.) | C | 4.5 |
| Butt Diameter (in.) | D | 7 |
| Base Width (in.) | E | 13.0625 |
| T-Base Bolt Circle (in.) | F | 12 |
| Bolt Projection (in.) | G | 3.5 |
| Anchor Bolt Size (in.) | H | 1 x 36 x 4 |

| Maximum EPA with 1.3 Gust Factor: | | |
|-----------------------------------|------|-------------|
| 90 mph: | 20.0 | Square Feet |
| 100 mph: | 15.8 | Square Feet |
| 120 mph: | 12.0 | Square Feet |
| 130 mph: | 10.0 | Square Feet |

