

# 35A10RT188TB

## 35 Foot Round Tapered Aluminum Light Pole with Transformer Base, 10 Inch Diameter, 0.188 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	35
Wall Thickness (in.)	B	0.188
Top Diameter (in.)	C	6
Butt Diameter (in.)	D	10
Base Width (in.)	E	15.375
T-Base Bolt Circle (in.)	F	15
Bolt Projection (in.)	G	3.5
Anchor Bolt Size (in.)	H	1 x 48 x 4

Maximum EPA with 1.3 Gust Factor:		
90 mph:	23.0	Square Feet
100 mph:	18.2	Square Feet
120 mph:	13.8	Square Feet
130 mph:	11.4	Square Feet

