

Base-Flange Tower (6.0"OD)



Product Summary:

EasyStreet Systems provides a game-changing solution to Lighting, Internet of Things (IoT), WiFi and 4G/5G small cell infrastructure demands—at a fraction of current construction methods.

Imagine a tower that can be installed by two people in a couple hours and can blend with the surrounding aesthetic. Our product is light-weight, customizable and impacts the environment much less than traditional solutions.

A 20'H EasyStreet direct-bury 6.0" Outer Diameter (OD) tower weighs ~100 lbs. as opposed to ~1,000 lbs for a steel tower, cutting installation costs significantly.

Specifications

Applications:	Lighting, IoT, WiFi, 4G/5G small cell sites
Height Ranges:	20' to 40' typical but can be lower
Weight (Lbs.):	20'H: 100; 25'H: 120; 30'H: 140; 35'H: 160; 40'H: 180
Outer Diameter:	6.0" Standard OD (5.5" ID)
Cable-Access:	5"H x 2.5"W handhole with secure cover 24" above grade
Conduit-Entry (Below Grade)	5"H x 2.5"W oval port for conduit-routing (factory-installed or easily field-configured with standard tools)
Colors:	Gray, Black, Brown & Dark Green standard (custom available)
Construction:	Patented composite structure with reinforced UV-resistant coating
Equipment:	Accommodates all Small Cell, Microwave and IoT equipment
Wind Speeds:	Up to 180 mph (depending on loading)
Structural:	Analysis per TIA-222, AASHTO and local building codes
Electrical:	Hand-hole and conduit-port available for routing power, fiber & data cables.
Hardware Mounting:	Pullout (Lbs.): #8 Screw: 600; 1/4" Rivnut: 1230; 3/8" Rivnut: 1700 Shear (Lbs.): 5/16" Screw: 1750; 3/8" Rivnut: 4300

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20' Base-Flange product shown to demonstrate how lightweight it is

Hurricane resistant composite-based round pole

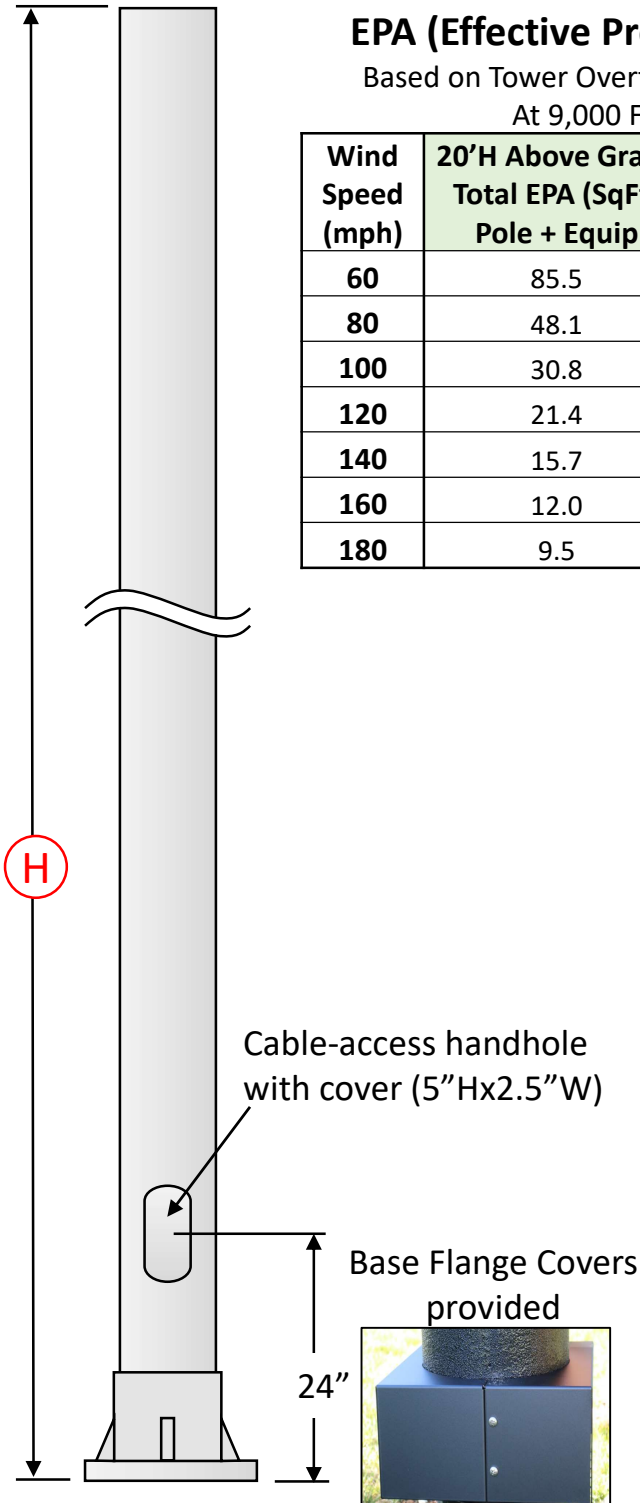
<u>Height (H)</u>	<u>Diameter</u>	<u>Standard Colors</u>	<u>Customer Options</u>
20: 20' above grade	6: 6.0" OD	G: Gray	Various light-mounts,
25: 25' above grade		B: Black	luminaires, toppers,
30: 30' above grade		N: Brown	IoT equipment, etc.
Custom Heights up to 30 Ft		R: Green	

EPA (Effective Projected Area) Capacities for 20' & 30'H Towers

Based on Tower Overturning-Moment (OM) Load Capacity of 9,000 Ft-Lbs (9 Kip-Ft)

At 9,000 Ft-Lbs, there can be up to a 7% deflection at the tip

Wind Speed (mph)	20'H Above Grade Total EPA (SqFt) Pole + Equip	20'H Above Grade Total EPA (SqFt) Equip Only	30'H Above Grade Total EPA (SqFt) Pole + Equip	30'H Above Grade Total EPA (SqFt) Equip Only
60	85.5	78.8	57.0	46.9
80	48.1	41.4	32.1	22.0
100	30.8	24.1	20.5	10.5
120	21.4	14.7	14.2	4.2
140	15.7	9.0	10.5	0.4
160	12.0	5.3	Not Usable	Not Usable
180	9.5	2.8	Not Usable	Not Usable



Base Flange Mounting Pattern

(Adapters available upon request)

