

# SQUARE STRAIGHT POLE

## COMMERCIAL GRADE POLE Straight Square Pole Series

### Pole Shaft and Finish

- The pole shaft is constructed from commercial-grade, cold-rolled carbon steel with a minimum yield strength of 46,000 psi. The shaft construction is a single piece of formed steel welded longitudinally. This material ensures high strength and longevity, ideal for demanding outdoor conditions, including high wind areas. The pole is hot-dip galvanized to enhance hardness and durability, followed by a commercial-grade ultra-durable powder coating finish to protect against corrosion and maintain appearance over time.

### Mounting and Hardware

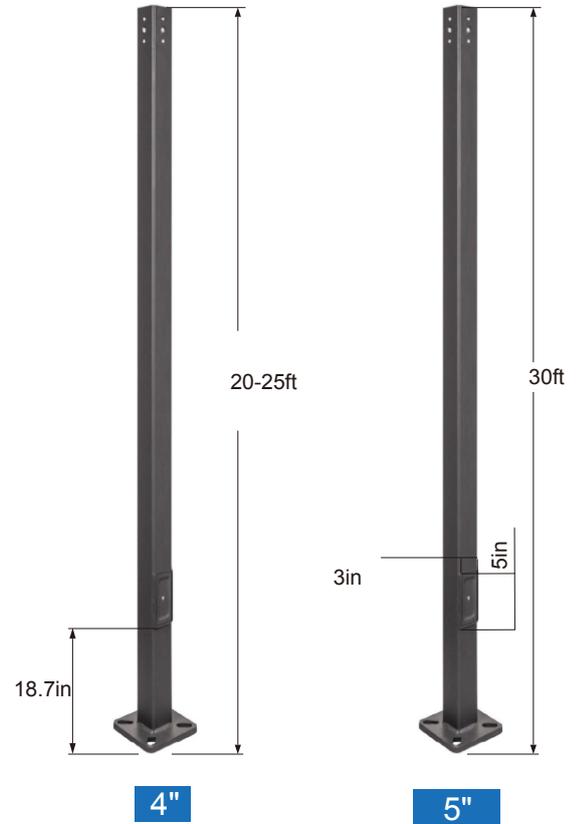
- The pole features an anchor base for secure, stable ground mounting to a concrete foundation (which should be engineered to local conditions). It comes with a set of four galvanized steel anchor bolts specifically designed for the assembly. Each anchor bolt includes two nuts and two washers; the top portion is threaded to allow for securing and leveling the pole during installation. An actual size galvanized steel template is provided to assist with foundation design and bolt placement. The pole is designed for top or side mounted luminaires, with a factory pre-drilled pattern on all four sides of the pole. Durable silicone black plugs are included to cover all unused holes (12 total).

### Features and Benefits

- Base Cover:** Poles are provided with a two-piece formed steel powder coated base cover that is easily assembled and fitted over the pole base.
- Top Cap:** A removable top cap is provided to cover the pole top opening, keeping moisture and debris out when no tenon or fixture is mounted directly. This helps to ensure structural stability and preserve the pole's integrity.
- Hand Hole:** The pole includes a Cast iron reinforced 3"x5" hand hole and cover with a ground screw for easy and proper electrical grounding and wiring access.
- Standard Powder Coated Finish:** Dark Bronze. Custom colors are available upon request.

### Options

- The following options are available: Shaft size: 4\*4" or 5\*5". Wall thickness available in 11 gauge or 7 gauge. Shock absorber, custom mortise and tenon size, custom color, electric/GFI socket, custom rod height, additional hand holes, UL compliant hand holes and custom base plate size. A large variety of accessory options, such as arm mounts, tenon top, bullhorn, slip fitter, bracket, etc.



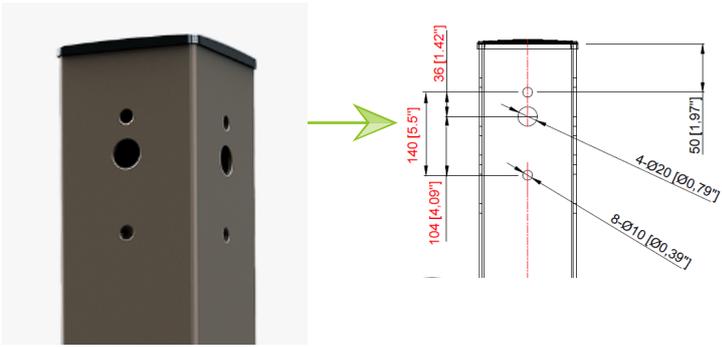
## ORDERING INFORMATION

SZ	4	S	XXFT	X	
Company Code	Shaft Size	Pole Type	Height	Finish	Custom Notes
<b>SZ</b>	4 = 4" 5 = 5"	<b>S</b> Square Straight Steel	<b>20FT</b> <b>25FT</b> <b>30FT</b>	<b>Blank</b> Dark Bronze <b>B</b> Black <b>W</b> White <b>SG</b> Silver Gray	

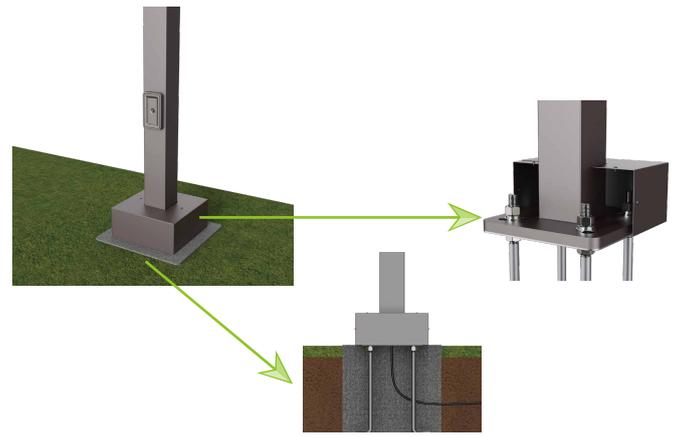
## TECHNICAL DETAILS

Catalog Number	Shaft Size (in)	Shaft Height (ft)	Wall thick (in)	Gauge	Weight (LBS)	Maximum EPA with 1.3 Gust Factor							
						80 mph	90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	150 mph
SZ-4S20FT	4"	20	0.120	11	150	F3	9.8	7.5	4.7	3.3	2.2	1.3	0.7
SZ-4S25FT	4"	25	0.120	11	180	12	9.2	7.1	4.5	3.1	2	1	0.6
SZ-5S30FT	5"	30	0.120	11	272	10	7.1	5.5	3.7	1.9	1	0.7	0.4

## DRILL DETAILS

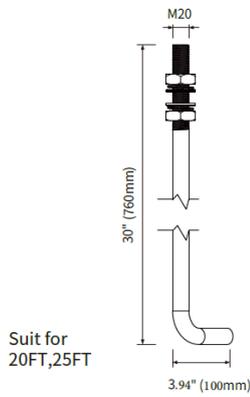


## INTERNAL DIAGRAM

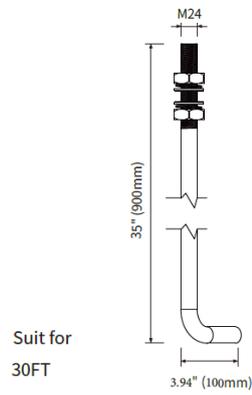


## ANCHOR BOLT

4"

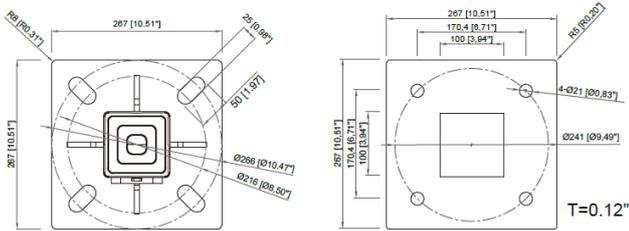


5"



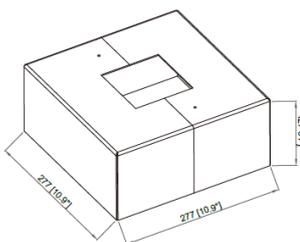
## ANCHORAGE GUIDE, POSITIONING PLATE, Base Cover

4"



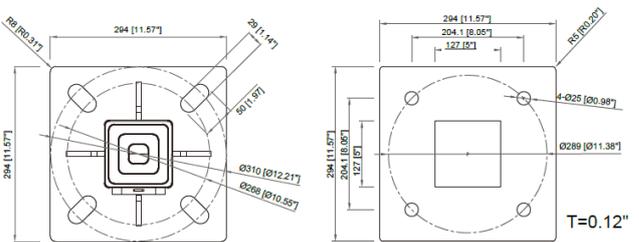
ANCHORAGE GUIDE

Anchor Bolt  
Positioning Plate



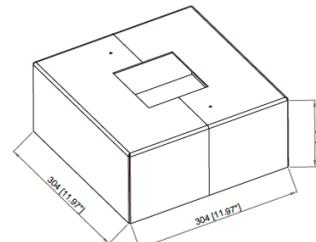
Base Cover

5"



ANCHORAGE GUIDE

Anchor Bolt  
Positioning Plate



Base Cover