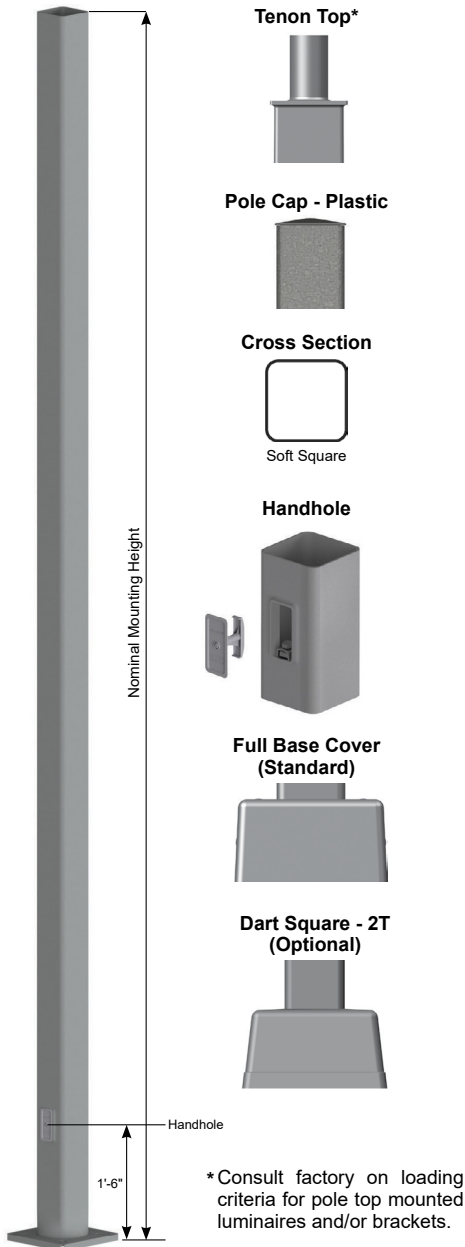




Square Straight Smooth Steel Pole



Specifications and Features:

Shaft

The pole shaft is fabricated from hot rolled welded steel tubing of one-piece construction with a minimum yield strength of 55 KSI.

Pole Top

A removeable pole cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. For top mount luminaires and/or bracket, consult factory. Other pole top options include pole cap only (PC) or plain top (PL) which is typical when the pole top diameter matches the necessary slip fit dimensions.

Handhole

A reinforced handhole with grounding provision is provided at 1'-6" from the base end of the pole assembly. Each handhole includes an easy to install, self-contained Swing Latch handhole cover assembly. U.S. Patent Swing Latch cover is fabricated from durable polycarbonate/ABS blend plastic. All pole assemblies are provided with a 2.50" x 5.00" rectangular handhole. Handhole dimensions are nominal.

Base Cover

A two-piece full base cover fabricated from ABS plastic is provided with each pole assembly. Additional base cover options, including the dart round (DT) cast aluminum cover, are available (adder).

Anchor Bolts

Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Hardware

All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

Finish - Super Durable Polyester TGIC Powder Coat

- Standard finishes: high gloss black, textured black, high gloss white, medium bronze, dark bronze, green, gray, silver metallic
- Custom and Marine-grade finishes are available. All RAL colors are available to match (adder).

Project Information:

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

Certification & Listings:

Order Information Example:				VVD412SSSS11D1FBCABNSB					
Diameter	Height	Model	Type	Wall Size	Fixture Mounting	Base Cover	Anchor Bolts	Accessories	Finish
VVD4=4" OD VVD5=5" OD VVD6=6" OD	10=10' 12=12' 14=14' 16=16' 18=18' 20=20' 25=25' 30=30' 35=35' 40=40'	SSS=Square Straight Steel	S=Smooth	Refer to Chart	Drill Mounting (See Orientation) D1 =(1) Drillings @ 270° D2 =(2) Drillings @ 90° & 270° D4 =(1) Drillings @ 0°, 90°, 180° & 270° D5 =(2) Drillings @ 180° & 270° D6 =(3) Drillings @ 90°, 180° & 270° Tenon Mounting P2 =2.38" OD x 4" tenon P4 =4.00" OD x 6" tenon P5 = 2.88" OD x 4" tenon P6 =2.88" OD x 5" tenon P7 =2.38" OD x 5" tenon P9 =Special Size (Specify, Adder) Other Options PC =Pole Cap PL =Plain Top (No Cap)	FBC =3" Full Base Cover NC =Nut Covers* DT =Round Dart Cover* *Optional	AB =With Anchor Bolts LAB =Less Anchor Bolts	N =None GFI =GFI In-Use cover, Cast Aluminum* GFI =GFI In-Use Cover, Plastic* USB =Dual USB Port* *Adder; Please Indicate Location	STANDARD FINISHES BK =Black BZ =Bronze DBZ =Dark Bronze WH =White GR =Green SM =Silver Metallic GY =Light Gray TBK =Textured Black* CC =Custom Color (Consult Factory) Premium Colors (adder) SB =Satin Brushed VP =Verde Patina SS =Silver Sparkle PP =Pewter Patina CC =Custom Color (Consult Factory) *Matches Black Finish

Wind Loading and Dimensional Data:

Shaft					EFFECTIVE PROJECTED AREA-SQ FT-AT:					
MOUNT HEIGHT	BASE O.D. (IN)	WALL THICK. (GA)	STRUCT. WEIGHT (LBS)	ANCHOR BOLTS	80 MPH		90 MPH		100 MPH	
					MAX. EPA (FT²)	MAX. WEIGHT (LBS)	MAX. EPA (FT²)	MAX. WEIGHT (LBS)	MAX. EPA (FT²)	Max. Weight (lbs)
10'	4"	11	75	0.75" x 17" x 3"	30.60	765	23.80	595	18.90	473
12'	4"	11	90	0.75" x 17" x 3"	24.40	610	18.80	470	14.80	370
14'	4"	11	100	0.75" x 17" x 3"	19.90	498	15.10	378	11.70	293
16'	4"	11	115	0.75" x 17" x 3"	15.90	398	11.80	295	8.90	223
18'	4"	11	125	0.75" x 17" x 3"	12.60	315	9.20	230	6.70	168
20'	4"	11	140	0.75" x 17" x 3"	9.60	240	6.70	167	4.50	150
20'	5"	11	185	0.75" x 17" x 3"	17.70	443	12.70	343	9.40	235
20'	5"	7	265	0.75" x 17" x 3"	28.10	703	21.40	535	16.20	405
25'	4"	11	170	0.75" x 17" x 3"	4.80	150	2.60	100	1.00	50
25'	4"	7	245	0.75" x 17" x 3"	10.80	270	7.70	188	5.40	135
25'	5"	11	225	0.75" x 17" x 3"	9.80	245	6.30	157	3.70	150
25'	5"	7	360	0.75" x 17" x 3"	18.50	463	13.30	333	9.50	238
30'	4"	7	291	0.75" x 17" x 3"	6.70	168	4.40	110	2.60	64
30'	5"	11	265	0.75" x 17" x 3"	4.70	150	2.00	50	-	-
30'	5"	7	380	0.75" x 17" x 3"	10.70	267	6.70	167	3.90	100
30'	6"	7	520	1.00" x 36" x 4"	19.00	475	13.20	330	9.00	225
35'	5"	7	440	0.75" x 17" x 3"	5.90	150	2.50	100	-	-
35'	6"	7	540	1.00" x 36" x 4"	12.40	310	7.60	190	4.20	105
40'	6"	7	605	1.00" x 36" x 4"	7.20	180	3.00	75	-	-

*EPA calculations allow for 1.3 Gust Factor. If mast or truss arms are to be installed, contact Vivid Leds for E.P.A. information and recommended shaft length. Variations from standard sizes listed above, available upon inquiry at the factory. Satisfactory performance of lighting standards is dependent upon the standard being properly attached to a supporting foundation of adequate design. Vivid Leds does not design or offer recommendations for foundations.

Please note: Vivid Leds offers the following information as a guide only and assumes no liability for its use. DO NOT USE THIS CHART AS A GUIDE FOR ANCHOR BOLT INSTALLATION; REQUEST A BASE TEMPLATE BEFORE POURING CONCRETE!

Pole Data

POLE		BASE PLATE				ANCHOR BOLTS		
POLE BASE SQUARE OD (IN)	WALL THK (GA)	BOLT CIRCLE		SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)
		DIA (IN)	± (IN)					
4.00	11	8.50	0.50	8.25	0.750	0.75 x 17.00 x 3.00	3.50	0.25
4.00	7	8.50	0.50	8.25	0.875	0.75 x 17.00 x 3.00	3.63	0.25
5.00	11	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75	0.25
5.00	7	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75	0.25
6.00	7	12.00	1.00	12.50	1.000	1.00 x 36.00 x 4.00	4.25	0.25

Anchor Base Detail

