

○ Expedited Embedded Round Tapered Aluminum Pole

XERTA

Unique design which allows expedited, on-demand manufacturing and shipment of Embedded, Tapered Aluminum Poles to your desired length without alternation of the top and bottom pole diameters. Ensures that your desired Pole Length can be quickly specified and supplied with peace of mind that your Luminaire Couplings and Pole Attachments will all fit as designed.

Shaft

Spun tapered from 6063 alloy aluminum tubing. Heat treated to produce a T6 temper. Shaft is furnished with ground lugs located on cast aluminum base plate.

Embed and Direct Burial Detail

Designed for durability and stability, the bottom of the embedded pole is engineered with a flattened, oval cross-section to prevent rotation and ensure secure placement. Wire access holes are conveniently located 24 inches below the ground line for easy installation and maintenance. Due to varying soil conditions at different sites, it is essential that foundation requirements be assessed by a qualified Structural Engineer familiar with the specific soil characteristics of the job site. This ensures optimal performance and longevity of the installation.

Drilling Side Mount

A removable pole cap is included. Pole will be drilled to match U.S. Architectural fixtures. For other Drilling required, please specify DP after specified drill pattern. (example: 2-180DP)

Pole Top Mount

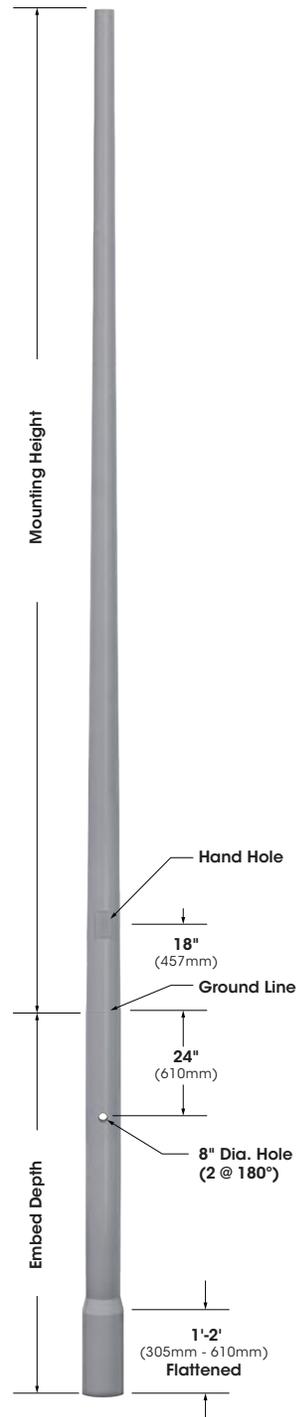
Standard pole top mount - PT27, fabricated from 2.5" (2.875" O.D.) aluminum pipe - tenon options for PT276 and PT23 pole tops please see Mounting column. For other pole top configurations please consult factory.

Hand Hole Cover

Rectangular 3" x 5" stamped heavy gauge aluminum material Hand Hole Cover, 2 1/4" x 4 1/4" access opening. Sealed door is secured by a formed aluminum bar and a stainless steel, tamper proof screw.

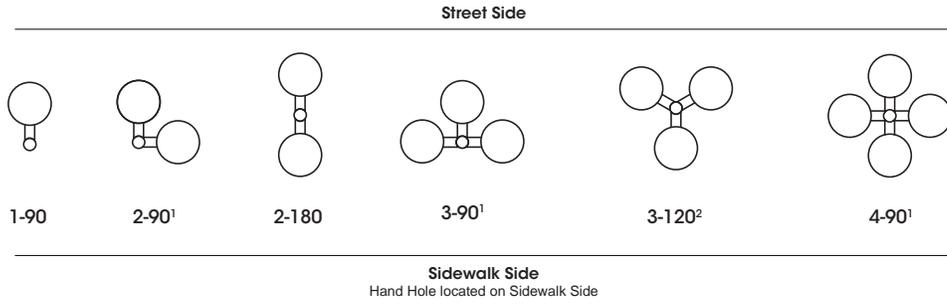
Finish

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



Pole Model	Pole Dia.		Pole Height	Embed Depth
	Bottom	Top		
XERTA	4" - 6"	3" - 4"	14' - 30'	5' - 7'

DRILLING SIDE MOUNT



Notes

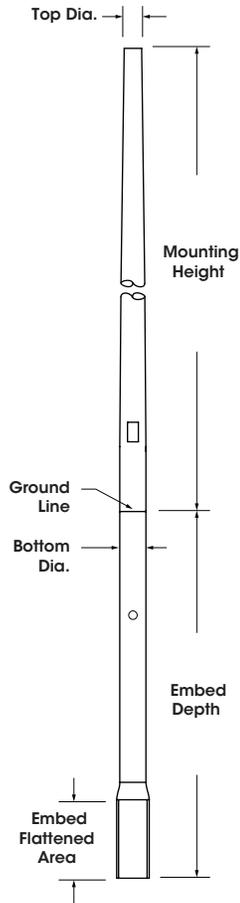
1- Poles smaller than 5" Dia. at top, or Non Linear Drilling requires PT27 and T490 Adapter. (Adaptor is rotatable)

2- Poles smaller than 5" Dia. at top, or Non Linear Drilling requires PT27 and T3120 Adapter. (Adaptor is rotatable)

When drilling pattern from other manufacturer's fixture is required, add "DP" to drill specifications. (Example: 2-180DP) **Drilling template must be provided.**

In the case of other manufacturer's drilling pattern, customer must provide drilling pattern.

DIMENSION DETAILS



Catalog Number	POLE							EMBED DIMENSION DETAILS					
	Mounting Height		Bottom - Top				Wall Thickness (In/Ga)	Weight (Lbs)	Mounting Height		Embed Depth	Embed Dia.	Embed Flattened Area
	Ft	M	In	Cm	Ft	M							
XERTA 1043-188	10	3.05	4.00	3.00	10.16	7.62	0.188	37	10	3.05	5'	4"	1' - 2'
XERTA 1243-188	12	3.66	4.00	3.00	10.16	7.62	0.188	42	12	3.66	5'	4"	1' - 2'
XERTA 1443-188	14	4.27	4.00	3.00	10.16	7.62	0.188	47	14	4.27	5'	4"	1' - 2'
XERTA 1253-188	12	3.66	5.00	3.00	12.70	7.62	0.188	54	12	3.66	5'	5"	1' - 2'
XERTA 1453-188	14	4.27	5.00	3.00	12.70	7.62	0.188	61	14	4.27	5'	5"	1' - 2'
XERTA 1553-188	15	4.57	5.00	3.00	12.70	7.62	0.188	64	15	4.57	5'	5"	1' - 2'
XERTA 1653-188	16	4.88	5.00	3.00	12.70	7.62	0.188	67	16	4.88	5'	5"	1' - 2'
XERTA 1853-188	18	5.49	5.00	3.00	12.70	7.62	0.188	73	18	5.49	5'	5"	1' - 2'
XERTA 2064-188	20	6.10	6.00	4.00	15.24	10.16	0.188	109	20	6.10	7'	6"	1' - 2'
XERTA 2264-188	22	6.71	6.00	4.00	15.24	10.16	0.188	117	22	6.71	7'	6"	1' - 2'
XERTA 2464-188	24	7.32	6.00	4.00	15.24	10.16	0.188	125	24	7.32	7'	6"	1' - 2'
XERTA 2564-188	25	7.62	6.00	4.00	15.24	10.16	0.188	129	25	7.62	7'	6"	1' - 2'

ORDERING INFORMATION

Spec/Order Example: XERTA2064-188/1-90/6005-T

Pole Model Number						Mounting	Finish	Options
Pole Model Number						Mounting	Finish	Options
Mounting Height	Bottom Dia.	Top Dia.	Embed Depth	Wall Thickness				
<input type="checkbox"/> XERTA 1043-188	10'	4.00"	3.00"	5.00'	0.188	Tenon Mount <input type="checkbox"/> 27/8" X 3" Tenon PT27 (Standard) <input type="checkbox"/> 2 3/8" X 3" Tenon PT23 <input type="checkbox"/> 27/8" X 6" Tenon PT276 <input type="checkbox"/> Other Tenon Mt _____ Drill Mount <input type="checkbox"/> 1-90 <input type="checkbox"/> 2-180 <input type="checkbox"/> 2-90 <input type="checkbox"/> 3-90 <input type="checkbox"/> 4-90 <input type="checkbox"/> 3-120 3-120 requires PT27 and T3120 Adapter 2-90, 3-90, 4-90 requires PT27 and T490 Adapter When Drilling Pattern from other manufacturer is required, add "DP" to drill specifications (Example: 2-180DP) Drilling template must be provided.	Standard Smooth Finish <input type="checkbox"/> Black 9005-S <input type="checkbox"/> White 9003-S <input type="checkbox"/> Grey 7004-S <input type="checkbox"/> Dark Bronze 8019-S <input type="checkbox"/> Green 6005-S Premium Finishes <input type="checkbox"/> Rust <input type="checkbox"/> Patina Copper PGC <input type="checkbox"/> Custom Specify RAL# _____ <input type="checkbox"/> Anodized AZ For Smooth Finish replace suffix "T" with suffix "T" Example: 9005-S See USALTG.COM for additional colors	<input type="checkbox"/> Vibration Dampener 2nd Mode Field Install VBDS-M2 Receptacle <input type="checkbox"/> G.F.I. Receptacle w/ Cover GFI <input type="checkbox"/> G.F.I. Receptacle w/ In-Use Cover GFI-U [Specify GFI location: Height and Direction] See Location Diagram below <input type="checkbox"/> 3 Way Adapter T3120 <input type="checkbox"/> 4 Way Adapter T490 Coupling <input type="checkbox"/> 1/2" Coupling CPLN12 <input type="checkbox"/> 3/4" Coupling CPLN34 <input type="checkbox"/> 1 1/4" Coupling CPLN114 <input type="checkbox"/> 1 1/2" Coupling CPLN112 <input type="checkbox"/> 2" Coupling CPLN2 [Specify Coupling location: Height and Direction] See Location Diagram below Nipple <input type="checkbox"/> 1/2" Nipple NPLE12 <input type="checkbox"/> 3/4" Nipple NPLE34 <input type="checkbox"/> 1 1/4" Nipple NPLE114 <input type="checkbox"/> 1 1/2" Nipple NPLE112 <input type="checkbox"/> 2" Nipple NPLE2 [Specify Coupling location: Height and Direction] See Location Diagram below Location Diagram Please use this diagram to indicate placement location Refer to the Accessories Section for other options
<input type="checkbox"/> XERTA 1243-188	12'	4.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 1443-188	14'	4.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 1253-188	12'	5.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 1453-188	14'	5.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 1553-188	15'	5.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 1653-188	16'	5.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 1853-188	18'	5.00"	3.00"	5.00'	0.188			
<input type="checkbox"/> XERTA 2064-188	20'	6.00"	4.00"	7.00'	0.188			
<input type="checkbox"/> XERTA 2264-188	22'	6.00"	4.00"	7.00'	0.188			
<input type="checkbox"/> XERTA 2464-188	24'	6.00"	4.00"	7.00'	0.188			
<input type="checkbox"/> XERTA 2564-188	25'	6.00"	4.00"	7.00'	0.188			

Other heights available
Please consult factory

OPTIONS



GFI
Duplex GFI
w/ Cover



GFI-U
Duplex GFI
w/ In-Use Cover



T3120
3 Way Adapter



T490
4 Way Adapter

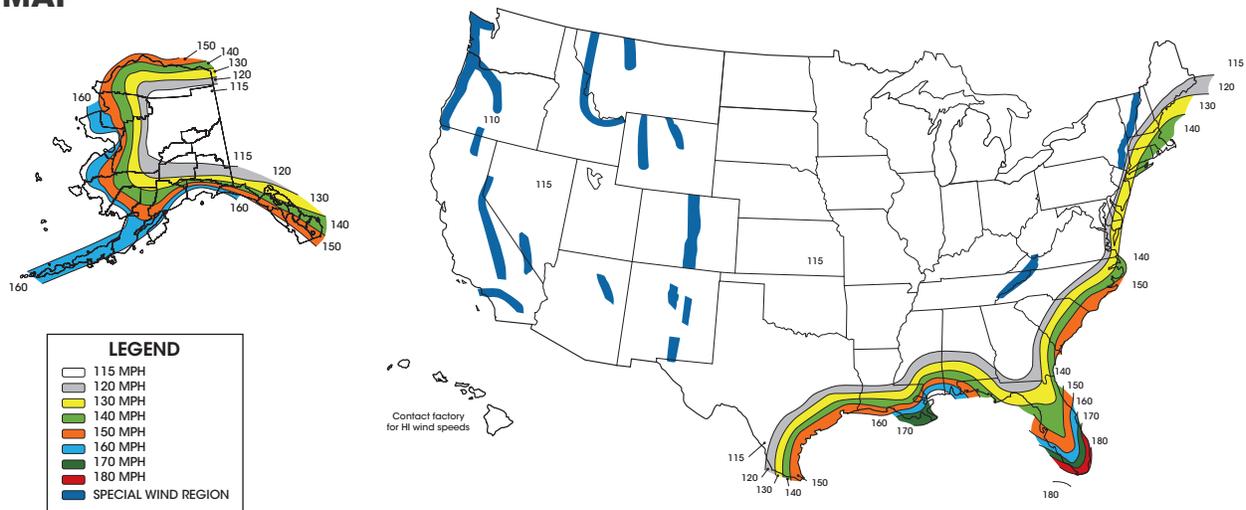


CPLN
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Coupling



NPLE
1/2", 3/4", 1 1/4", 1 1/2",
or 2" Nipple

WIND MAP



EPA INFORMATION (ft²) (per 2020 FL Building Code)

Cat. No.	Weight Capacity Maximum (Lbs.)	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
XERTA 1043-188	300 - 210	15.0	15.0	12.5	10.9	8.8	7.4	6.0
XERTA 1243-188	300 - 168	15.0	12.0	10.0	8.7	7.0	5.9	4.8
XERTA 1443-188	300 - 140	12.4	10.0	8.3	7.2	5.8	4.9	4.0
XERTA 1253-188	300	15.0	15.0	15.0	15.0	13.0	10.5	9.5
XERTA 1453-188	300 - 294	15.0	15.0	15.0	13.1	10.6	9.4	8.4
XERTA 1553-188	300 - 235	15.0	15.0	13.0	10.5	9.0	8.3	6.7
XERTA 1653-188	300 - 189	15.0	13.5	11.0	8.7	8.2	6.7	5.4
XERTA 1853-188	300 - 137	12.8	10.2	8.2	6.5	6.1	4.9	3.9
XERTA 2064-188	300 - 207	14.5	12.0	10.2	8.7	7.5	6.6	5.9
XERTA 2264-188	300 - 172	11.9	9.8	8.4	7.3	6.2	5.5	4.9
XERTA 2464-188	300 - 144	9.9	8.1	7.0	6.1	5.2	4.6	4.1
XERTA 2564-188	287 - 116	8.2	6.7	5.8	5.1	4.3	3.8	3.3

* Please use the following to obtain the proper weight capacity:

The maximum fixture weight equals 60 lbs., or the product of 35 lbs. x the EPA value (from the chart above), whichever is greater, not to exceed 300 lbs.
 Example, EPA = 2.2, maximum fixture weight = 35 lbs. x 2.2 EPA = 77 lbs.

Notes

- Specifier is responsible for correct pole selection. For proper pole choice, the specifier must consider the total EPA of fixtures, banners, arms, and any other accessories attached to pole assembly.
- U.S. Outdoor Lighting discourages the attachment of unauthorized accessories; any such attachments will void the manufacturer's warranty.
- ALL EPAs are calculated for ground installations. For installations on bridges, buildings or other structures, the specifier must contact the factory or consult with a Structural Engineer.
- Unpredictable aerodynamic forces such as 2nd Mode (Aeolian) wind-induced vibrations are not included in wind velocity ratings or EPA ratings.
- Wind gust factors are considered in developing all EPA chart data.

To mitigate 2nd Mode (Aeolian) Vibration please read the following Recommendations:

- We do not recommend the installation of poles without a fixture; such installations have been known to fail due to destructive 2nd mode pole vibration.
- Pole installations with a combined (fixtures, banners, flags, etc.) EPA of less than 2.0 ft² and 25 feet or taller are strongly recommended to be installed with a Vibration Dampener. Please consult with your Structural Engineer for site-specific requirements.
- U.S. Outdoor Lighting offers a 2nd Mode Vibration Dampener VBDS-M2 for purchase as a field-installable option.