

Project Name

Qty

Type

Catalog / Part Number



Ø4 in Round Pole
WO Base Option

Base cover options



Round

4

Ø4 in

5

Ø5 in

6

Ø6 in

Square

4

4 in

5

5 in

6

6 in

Fluted

4

Ø4 in

5

Ø5 in

Available Pole Shapes

(Consult "Configurations Table" Section for more details)

Description

Lumenpulse Straight Poles are available in steel or aluminum of various diameters and profiles to suit your outdoor design. Our Straight Poles are suitable for use with our accessories, such as Banner Arms, Basket Holders and choice of Base Cover. Lumenpulse Straight Poles are available in multiple finishes.

Features

Dimensions	4 in , 5 in , 6 in
Shapes	Round, Square, Fluted
Height	Up to 30 ft, to specify height in 1 ft increments (consult configurations table for maximum height informations)
Option	Ground Fault Duplex Receptacle Ground Fault Duplex Receptacle (while in use) Direct Burial Tamper-Proof Screws Corrosion-resistant Coating for Hostile Environments Galvanized Steel Universal Yoke drilling pattern Pressure Gland drilling pattern

Warranty 5-year limited warranty

Physical

Material	Aluminum, Steel
Access Door Dimensions	2 1/8 in x 4 in
Wall Thickness	1/8 in, 3/16 in, 1/4 in, 5/16 in
Anchor Bolt Material	Carbon steel partially galvanized
Hardware Material	Stainless steel

Certifications



Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).
Pole Top Options	2 3/8 in, 3 in and 4 in O.D. Tenon Adapter, Flat Cap, Drilling Pattern for Decorative Arms, MC1 Arm Style Tenon Adaptor Simple and Double Drilling Pattern for Lumenblade Small and Lumenblade Medium, Simple and Double Drilling Pattern for Lumenblade Small and Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for bridge applications).
Grounding Terminal	Copper single-conductor (UL listed, accessible from pole hand hole)









Environmental

Environment	Dry/damp/wet location
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Accessories - Optional (Order Separately)

Arms	Banner Arm (top only, or top and bottom) Plant Holder Arm (single or double)
Fixture Mounting	Universal Yoke
Hardware	Pressure Gland

Configurations Table

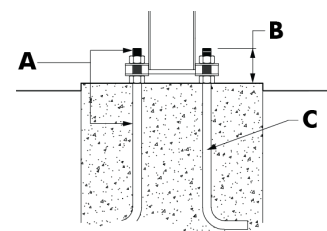
Shapes	Round			Square			Fluted*	
								
Maximum Height (material)	Aluminium: 20 ft Steel: 20 ft	Aluminium: 20 ft Steel: 30 ft	Aluminium: 30 ft Steel: 30 ft	Aluminium: 20 ft Steel: 24 ft	Aluminium: 20 ft Steel: 30 ft	Aluminium: 20 ft* Steel: 30 ft	Aluminium: 20 ft	Aluminium: 20 ft
Compatible Base Cover Options	Up to 20 ft P WL WA WM WB WO WC WP WF WR WH WS WI WY WJ WYX	Up to 20 ft P WM WA WO WC WP WF WR WH WS WI WY WJ WYX WL 21 ft to 30 ft P WM WF WO WH WR WI WS WL WYX	Up to 20 ft P WL WC WO WI WY WJ WYX 21 ft to 30 ft P WO	Up to 20 ft P 21 ft to 30 ft P			Up to 20 ft P WL WA WM WB WO WC WP WF WR WH WS WI WY WJ WYX	Up to 20 ft P WM WA WO WC WP WF WR WH WS WI WY WJ WYX WL
Compatible Accessories	BA, PH, PLTU	BA, PH, PLTU	PLTU	PLTU			BA, PH	BA, PH

*Available for 3/16 in wall thickness (M) only.

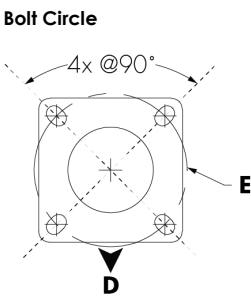
Consult individual Pole Accessory specification sheet for details.

Anchoring Details









Anchor Details



- A** - Galvanized Steel portion
B - The threads of Anchor Bolts must protrude between 3 in and 3 1/2 in from concrete base.
C - (4X) Anchors Bolt, supplied with two Nuts and Flats Washers for each (provided).



- D** - Access Door and Street Side
E - Bolt Circle

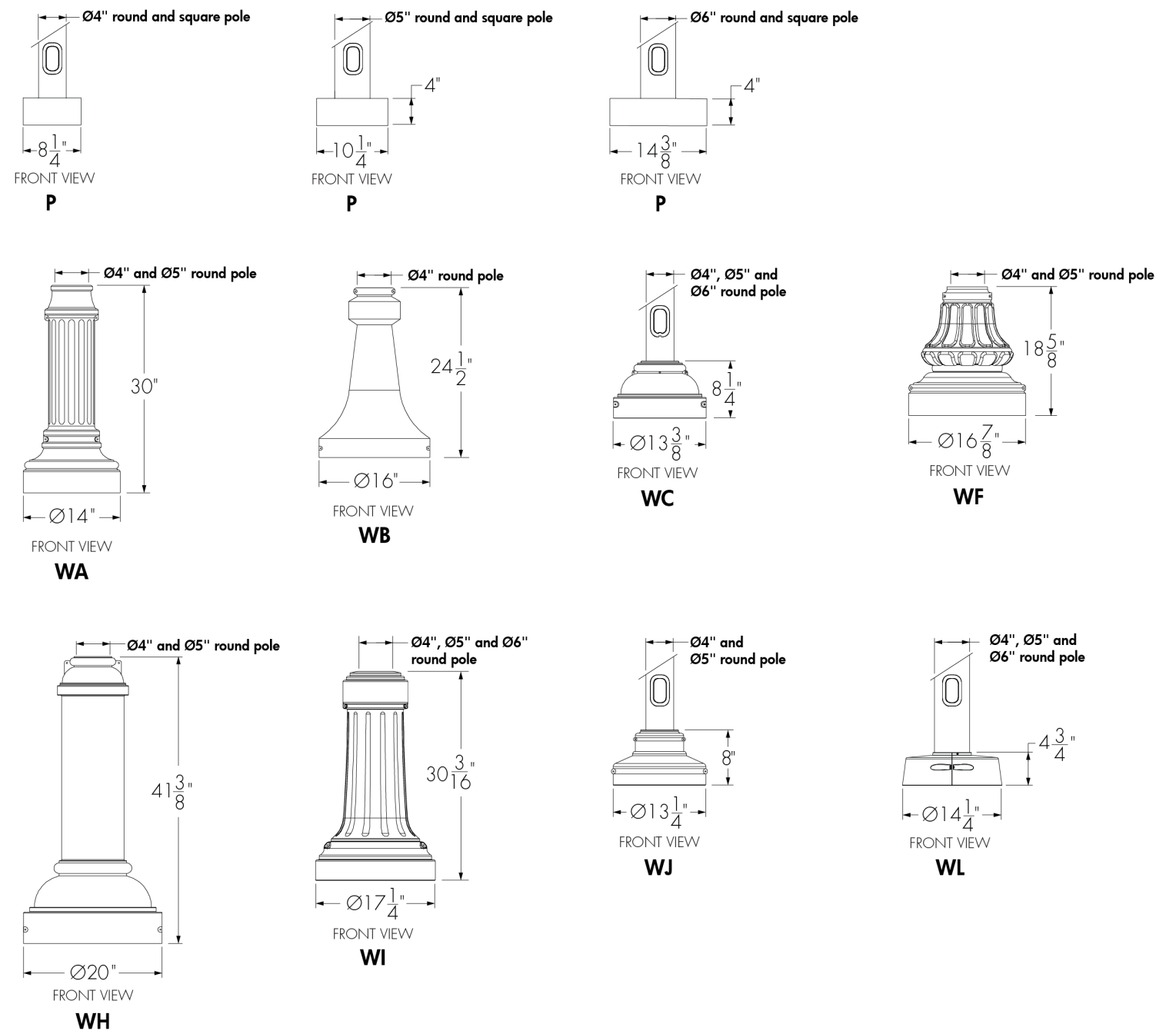
Shapes	Aluminium				Steel			
	Anchor Bolts		Bolt Circle		Anchor Bolts		Bolt Circle	
	Up to 20 ft	21 ft to 30 ft	Up to 20 ft	21 ft to 30 ft	Up to 20 ft	21 ft to 30 ft	Up to 20 ft	21 ft to 30 ft
4 in   	Ø3/4 in x 26 in	N/A	Ø8.5 in	N/A	Ø3/4 in x 26 in	Ø1 in x 36 in	Ø8.5 in	Ø10 in
5 in   	Ø3/4 in x 26 in	N/A	Ø10 in	N/A	Ø3/4 in x 26 in	Ø1 in x 36 in	Ø10 in	Ø11.5 in
6 in  	Ø3/4 in x 26 in	Ø1 in x 36 in	Round and Fluted: Ø10 in Square: Ø11.5 in	Ø14 in	Ø3/4 in x 26 in	Ø1 in x 36 in	Round and Fluted: Ø10 in Square: Ø11.5 in	Ø14 in

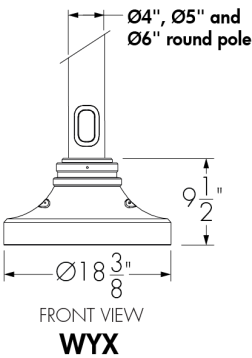
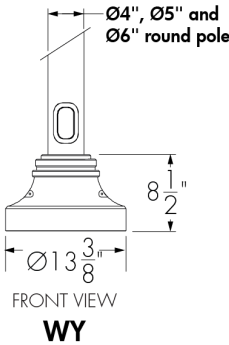
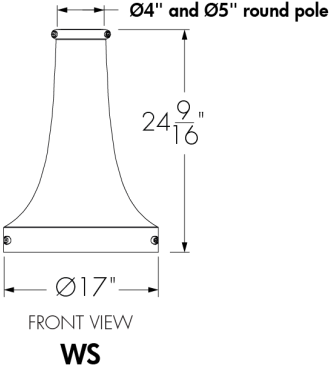
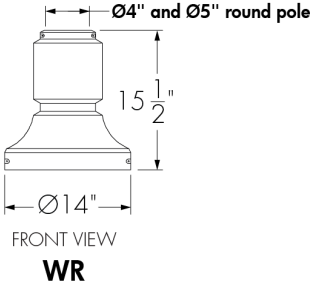
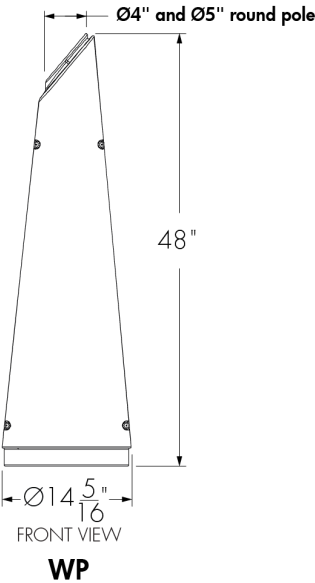
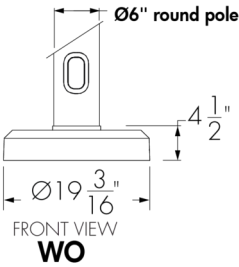
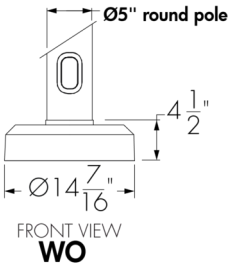
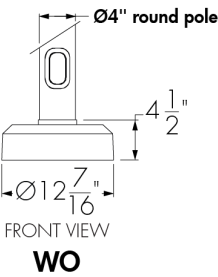
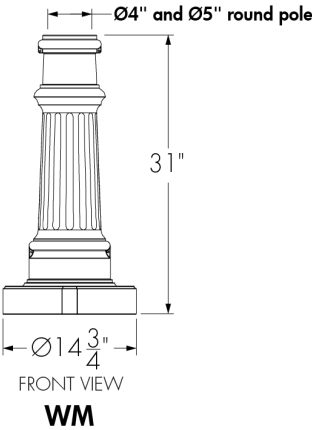
Technical drawing of a wall section showing a vertical wall with a horizontal base. The wall has a vertical section labeled **A** at the top, a horizontal section labeled **B** at the base, and a vertical section labeled **C** on the right. Dimensions are given: 12" for the vertical section **A**, 20" for the horizontal section **B**, and 48" for the vertical section **C**. The wall is shown with a cross-hatched pattern. Labels **D**, **E**, **F**, and **G** point to various parts of the wall and base.

- A** - External maximum height for direct burial: 26 ft (4 ft needed for landfill)
- B** - Standard location of Ground Fault Duplex Receptacle (DRG and DRG IU) is 12 in from the top on door side (consult factory for other configurations).
- C** - Access Door
- D** - Anti-Rotating blade
- E** - Opening for conduit
- F** - Filling
- G** - Finished grade

5 / 13

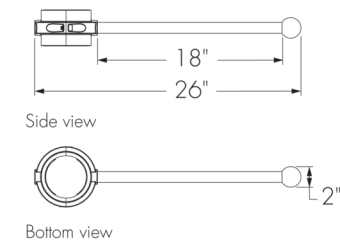
Base Cover Options Dimensions



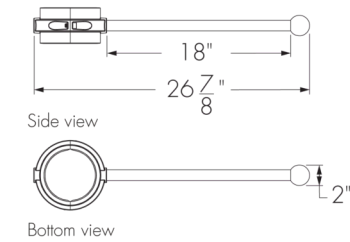


Banner Arm Dimensions*

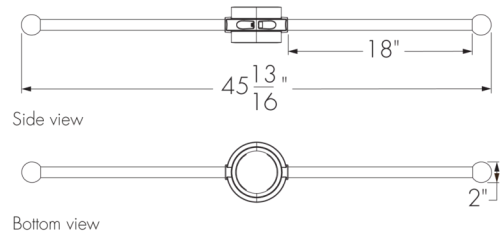
BA-X-CLMP-18-S1X-4-R



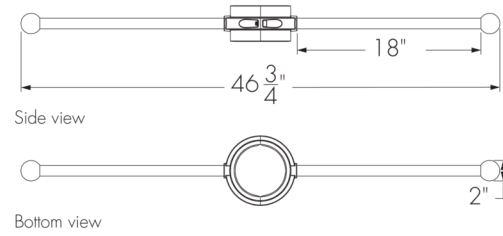
BA-X-CLMP-18-S1X-5-R



BA-X-CLMP-18-S2X-4-R



BA-X-CLMP-18-S2X-5-R

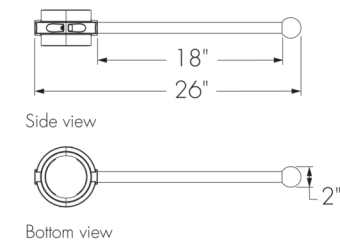


Order separately, consult Banner Arm specification sheet for details.

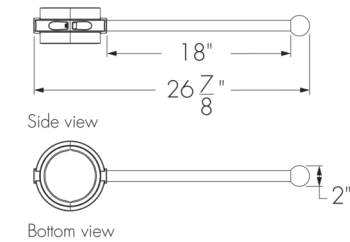
* Specify banner dimensions, installation height and orientation in the Ordering Specifications section.

Plant Holder Arm Dimensions*

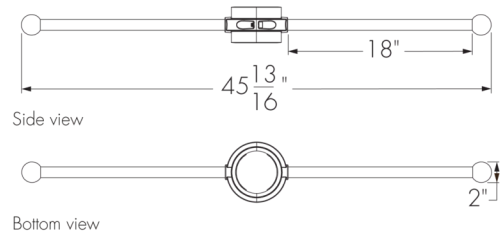
PH-CLMP-18-S1X-4-R/F



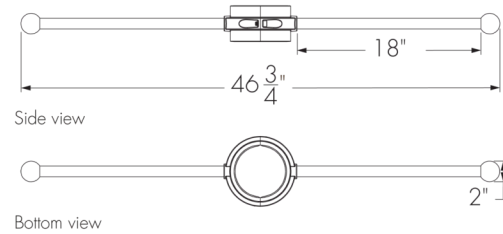
PH-CLMP-18-S1X-5-R-R/F



PH-CLMP-18-S2X-4-R/F



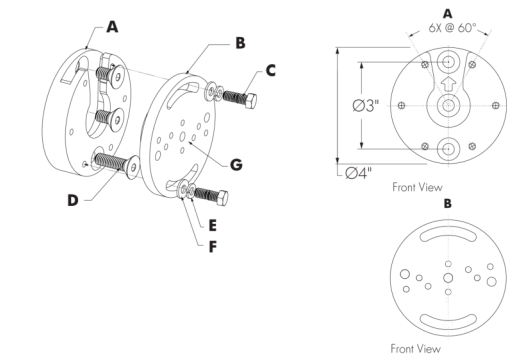
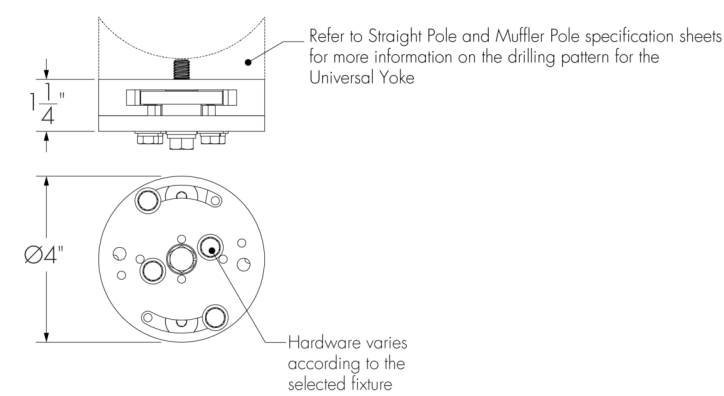
PH-CLMP-18-S2X-5-R/F



Order separately, consult Plant Holder Arm specification sheet for details.

* Specify basket dimensions and weight (maximum load 80 lbs wet), as well as installation height and orientation in the Ordering specifications section.

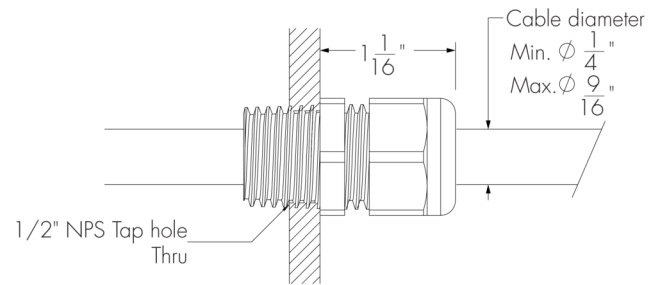
Universal Yoke Dimensions



- A - Fixed part (Skate included)
- B - 360° swivel part
- C - (2X) 1/4-20 Bolts (included, use to assemble 360° swivel part to fixed part)
- D - (2X) 3/8-16 Bolts
- E - (2X) Lock Washer
- F - (2X) Flats Washer
- G - For 3/8-16 or 1/4-20 Bolts (included when ordered with a Lumenbeam product, refer to Drilling Pattern of installation instruction for more details)

Order separately, consult Universal Yoke specification sheet for details.

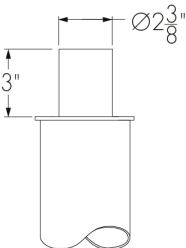
Pressure Gland Dimensions



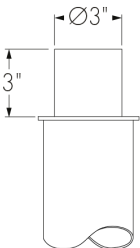
Order separately, consult Pressure Gland specification sheet for details.

Pole Top Options Details

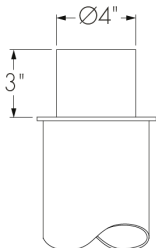
TN2 - 2 3/8 in O.D. Tenon Adapter



TN3 - 3 in O.D. Tenon Adapter



TN4 - 4 in O.D. Tenon Adapter



CAP - Flat Cap



BRK - Drilling Pattern For Decorative Arms [1]



BLDS-S1E [2], BLDS-S2E [3], BLDS-S1E-3GV [2] and BLDS-S2E-3GV [3] - Drilling Pattern for Lumenblade Small [4]



BLDM-S1E [2] and BLDM-S2E [3] - Drilling Pattern for Lumenblade Medium [4]



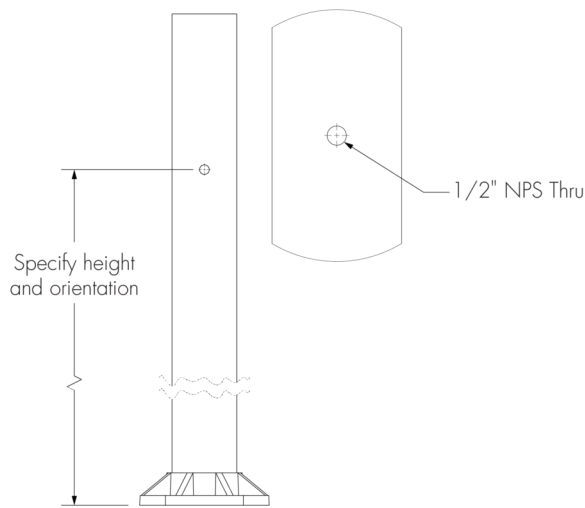
BLDM-S1E-3GV [2] and BLDM-S2E-3GV [3] - Drilling Pattern for Lumenblade Medium [4]



[1] Consult Decorative Arm specification sheets for more details.
[2] Standard orientation for **S1E** configuration is 0° (access door)
[3] Standard orientation for **S2E** configuration is 0° and 180° from access door.
[4] Flat cap included.

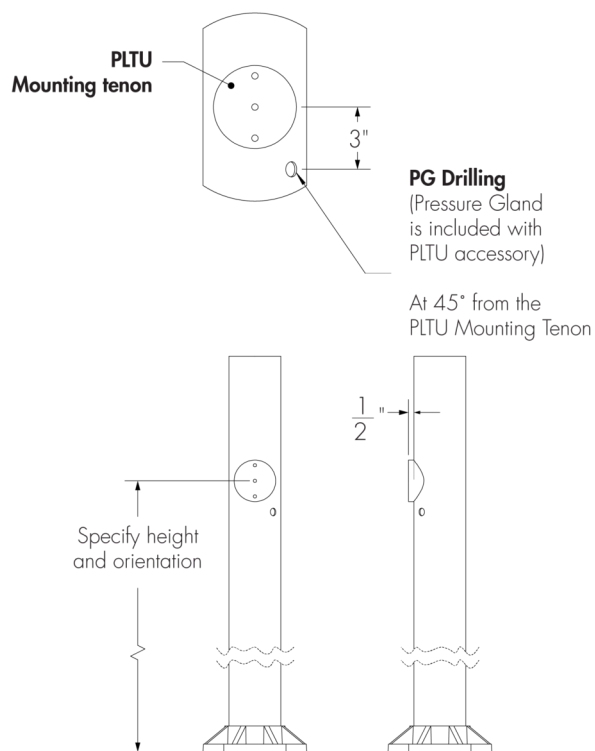
Pole Accessory Drilling Patterns

PG - Pressure Gland Drilling Pattern

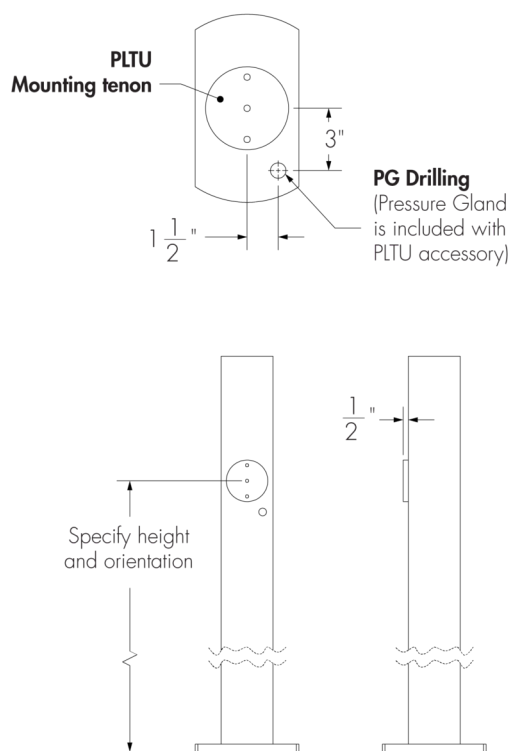


PLTU - Universal Yoke Drilling Pattern

Round Pole Shape



Square Pole Shape



Ordering Specifications

(Specifications Are Used For EPA Calculations)*

180°

270°

90°

0°

(Access door)

180°

270°

90°

0°

(Access door)

180°

270°

90°

0°

(Access door)

Product code

Orientation
(0°, 90°, 180°, 270°)

Height
(consult "configuration table"
section for maximum height)

Weight
(please specify weight of accessories)

Dimensions
(please specify dimensions of accessories)

1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

* In addition to specifying installation height and orientation, don't forget to include specific details for each accessory:

- Universal Yoke (PLTU)/Small and Large Skate for Lumentech (SSK, LSK)**
- If used with a fixture from another manufacturer, consult factory.
- Banner Arm (BA)**
- Specify banner dimensions.
- Street Sign holder (SSH)**
- Specify dimensions of sign to be mounted on Street Sign Holder.
- Plant Holder Arm (PH)**
- Specify basket size and weight (maximum 80 lbs wet).
- Pressure Gland (PG)**
- If used with a fixture from another manufacturer, specify the weight and dimensions of this fixture.

How to Order

Pole ⁽¹⁾	Dimensions	Material	Shapes	Height ⁽⁴⁾	Wall Thickness ⁽⁵⁾	Finish	Base Cover Options ⁽⁴⁾	Pole Top Options	Option	Anchor Bolts Option
PL-S Straight Pole	4 4 in	AL Aluminum	R Round	10 10 ft	L 1/8 in ⁽⁶⁾	BK Black Sandtex®	P Square Base Cover P for 4 in, 5 in and 6 in Pole ⁽¹²⁾	TN2 2 3/8 in O.D. Tenon Adaptor	DRG Ground Fault Duplex Receptacle ⁽²⁰⁾	AB Anchor Bolts ⁽²⁶⁾
	5 5 in	STL Steel	S Square	11 11 ft	M 3/16 in	BRZ Bronze Sandtex®	WA Round Base Cover WA for 4 in and 5 in Pole ⁽¹³⁾	TN3 3 in O.D. Tenon Adaptor	DRG IU Ground Fault Duplex Receptacle (while in use) ⁽²⁰⁾	
	6 6 in		F Fluted ^{(2) (3)}	12 12 ft	H 1/4 in ⁽⁷⁾	SI Silver Sandtex®	WB Round Base Cover WB for 4 in Pole ⁽¹³⁾	TN4 4 in O.D. Tenon Adaptor ⁽¹⁴⁾	DB Direct Burial ⁽²¹⁾	
				13 13 ft	W 5/16 in ⁽⁸⁾			CAP Flat Cap	TP Tamper-Proof Screws	
				14 14 ft		BKTX Textured Black	WC Round Base Cover WC for 4 in, 5 in and 6 in Pole ⁽¹³⁾	BRK Drilling Pattern for Decorative Arms	CRC Corrosion-resistant coating ^{(22) (23)}	
				15 15 ft		BRZTX Textured Bronze Non-Metallic	WF Round Base Cover WF for 4 in and 5 in Pole ⁽¹³⁾	BLDS-S1E Simple Drilling Pattern for Lumenblade Small ^{(15) (16)}	GALV Galvanized Steel ⁽²⁴⁾	
				16 16 ft			WH Round Base Cover WH for 4 in and 5 in Pole ⁽¹³⁾	BLDS-S2E Double Drilling Pattern for Lumenblade Small ^{(15) (16)}	PLTU Universal Yoke drilling pattern ⁽²⁵⁾	
				17 17 ft		GRATX Textured Medium Gray	WI Round Base Cover WI for 4 in, 5 in and 6 in Pole ⁽¹³⁾	BLDM-S1E Simple Drilling Pattern for Lumenblade Medium ⁽¹⁵⁾	PG Pressure Gland drilling pattern ⁽²⁵⁾	
				18 18 ft		GRNTX Textured Green	WJ Round Base Cover WJ for 4 in and 5 in Pole ⁽¹³⁾	BLDM-S2E Double Drilling Pattern for Lumenblade Medium ⁽¹⁵⁾		
				19 19 ft			WL Round Base Cover WL for 4 in, 5 in and 6 in Pole ⁽¹³⁾	BLDS-S1E-3GV Simple Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for bridge applications)		
				20 20 ft		WHTX Textured White	WM Square Base Cover WM for 4 in and 5 in Pole ⁽¹³⁾	BLDS-S2E-3GV Double Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for bridge applications)		
				21 21 ft		CC Custom Color & Finish ^{(9) (10) (11)}	WO Round Base Cover WO for 4 in, 5 in and 6 in Pole ⁽¹³⁾	BLDM-S1E-3GV Simple Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for bridge applications)		
				22 22 ft			WP Round Base Cover WP for 4 in and 5 in Pole ⁽¹³⁾	BLDM-S2E-3GV Double Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for bridge applications)		
				23 23 ft			WR Round Base Cover WR for 4 in and 5 in Pole ⁽¹³⁾	TNMC1 MC1 Arm Style Tenon Adaptor ⁽¹⁹⁾		
				24 24 ft			WS Round Base Cover WS for 4 in and 5 in Pole ⁽¹³⁾			
				25 25 ft			WY Round Base Cover WY for 4 in, 5 in and 6 in Pole ⁽¹³⁾			
				26 26 ft			WYX Round Base Cover WYX for 4 in, 5 in and 6 in Pole ⁽¹³⁾			
				27 27 ft						
				28 28 ft						
				29 29 ft						
				30 Maximum height 30 ft						

Notes:

1. Consult Related Products section on webpage for a selection of compatible accessories (sold separately).

2. Available for 3/16 in wall thickness only (M).

3. Available for Ø4 in and Ø5 in aluminum poles only.

4. Consult Configuration table of specification sheet for more details regarding restrictions on base covers and pole heights.

5. Determined by Lumenpulse.

6. Not available for 6 in aluminum and steel square pole. Not available for fluted pole.

7. Not available for 6 in aluminum square pole. Not available for 4 in and 6 in steel square pole. Not available for fluted pole.

8. Not available for 6 in aluminum round pole. Not available for aluminum square pole. Not available for 5 in steel round pole. Not available with 6 in steel square pole. Not available with fluted pole.

9. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

10. Setup charges apply for RAL colors. Consult factory for details.

11. Longer lead times can be expected for custom RAL color finishes.

12. Available for round, square and fluted pole.
13. Available with round and fluted pole only.

14. TN4 tenon adaptor not required with 4 in round pole.

15. Flat cap included.

16. Consult factory for availability with fluted shape poles.

17. Available for 4 in poles with wall thicknesses L and M only.

18. Available with 6 in pole dimension only.

19. TNMC1 Tenon adaptor required when MC1 post-top arm style selected.

20. Only one duplex receptacle can be specified by fixture.

21. Available for a maximum height of 16 ft for Ø4 in and Ø5 in aluminum pole and Ø4 in steel pole. Available for a maximum height of 26 ft for Ø6 in aluminum pole and for Ø5 in and Ø6 in steel pole.

22. Automatically included when a steel pole is specified.

23. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

24. Only available for steel poles with textured finish (immersion marks may occur).

25. Consult factory for details.

26. Anchor bolts provided with double nuts, washers and template. One template provided for every 5 poles.