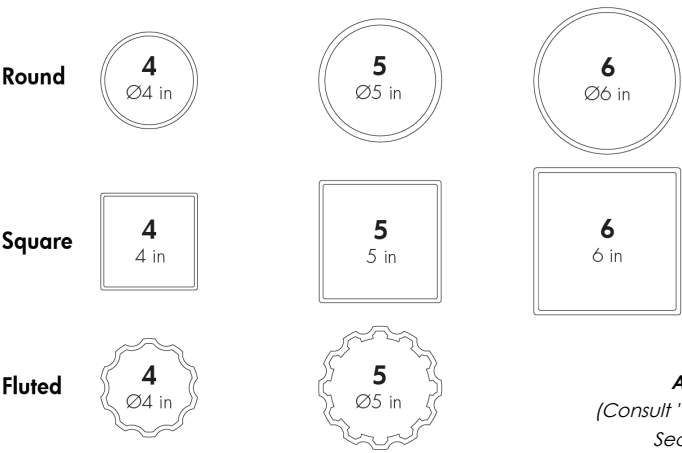


Project Name _____

Qty _____

Type _____

Catalog / Part Number _____



Available Pole Shapes
(Consult "Configurations Table"
Section for more details)

Base cover options



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: 4 in , 5: 5 in , 6: 6 in
Shapes	R: Round, S: Square, F: Fluted
Height	Up to 30 ft, to specify height in 1 ft increments (consult configurations table for maximum height informations)
Option	DRG: Ground Fault Duplex Receptacle DRG IU: Ground Fault Duplex Receptacle (While in Use) DB: Direct Burial TP: Tamper-Proof Screws CRC: Corrosion-Resistant Coating for Hostile Environments GALV: Galvanized Steel PLTU: Universal Yoke Drilling Pattern PG: Pressure Gland Drilling Pattern VD: Vibration Dampener

Warranty	5-year limited warranty
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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

Lumencycle™ Program



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 and Pole Top Accessories, MC1 Arm Style Tenon Adapter 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). Simple and Double Drilling Pattern for Lumenblade Nano, 6 in Round Pole Variable Height Drilling Pattern For Lumenblade Nano, 6 in Lumentech Round Pole Simple and Double Drilling Pattern for Lumenblade Nano, 6 in Square Pole Variable Height Drilling Pattern for Lumenblade Nano, 6 in Lumentech Square Pole Simple, Double, Triple and Quadruple Drilling Pattern for Lumenspoke Small Drilling Pattern for Decorative Arms (for Normal application as per ANSI 136.31 2018)
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	BA: Banner Arm (top only, or top and bottom) PH: Plant Holder Arm (single or double)
Fixture Mounting	PLTU: Universal Yoke
Hardware	PG: Pressure Gland
Needles	NDL: Spiked Needle NDL-BV: Beveled Needle

Important

Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Configurations Table

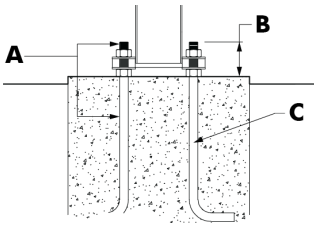
Shapes	Round			Square			Fluted*	
								
Maximum Height (material)	Aluminum: 20 ft Steel: 20 ft	Aluminum: 20 ft Steel: 30 ft	Aluminum: 30 ft Steel: 30 ft	Aluminum: 20 ft Steel: 24 ft	Aluminum: 20 ft Steel: 30 ft	Aluminum: 20 ft* Steel: 30 ft	Aluminum: 20 ft	Aluminum: 20 ft
Compatible Base Cover Options	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, NDL, NDL-BV		PLTU, NDL, NDL-BV	PLTU			BA, PH	BA, PH

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

Consult individual Pole Accessory specification sheet for details.

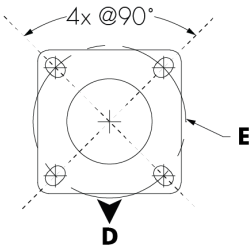
Anchoring Details

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).

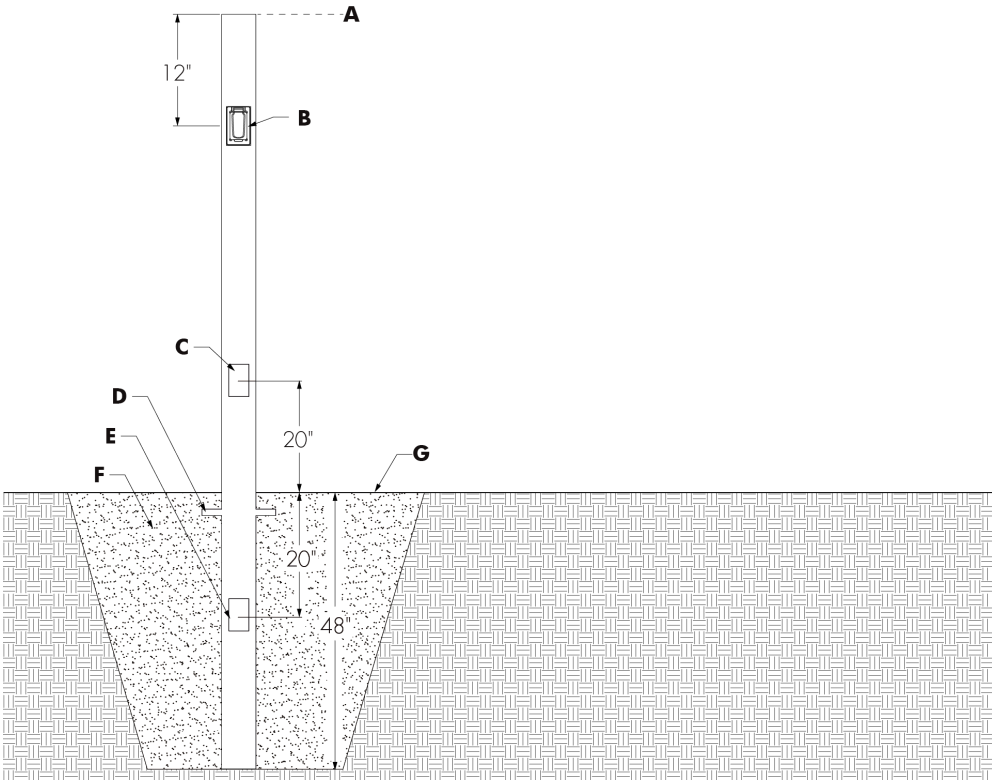
Bolt Circle



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

Shapes	Aluminum				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

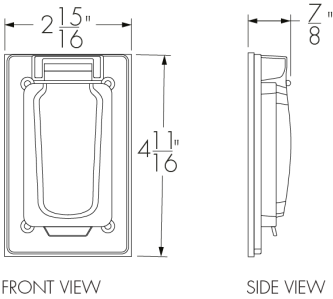
Direct Burial And Ground Fault Duplex Receptacle Options Details



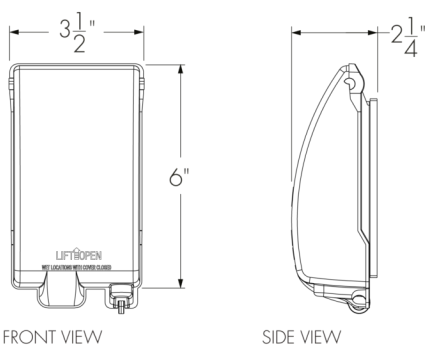
- A - External maximum height for direct burial: 26 ft (4 ft needed for landfill)
- B - Standard location of Ground Fault Duplex Receptacle (DRG and DRG IU) is 12 in from the top on door side (consult factory for other configurations).
- C - Access Door
- D - Anti-Rotating blade
- E - Opening for conduit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

Duplex Receptacle Installation Dimensions

DRG - Ground Fault Duplex Receptacle



DRG IU - Ground Fault Duplex Receptacle (while in use)*

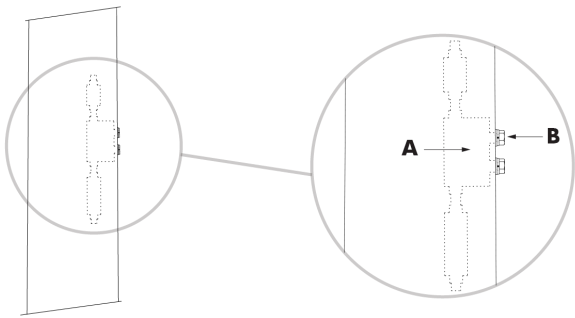


DRG and USB options are not suitable under the Canadian Electrical Code (CEC) for product installations in Canada. Only the DRG IU or USB IU are suitable for products installed in Canada.

* Weather-resistant and lockable cover (padlock by others)

The duplex receptacle must be installed in accordance with applicable national and local electrical and construction codes by a person familiar with the construction and operation of the product and the hazards involved. Refer to national and local electrical codes before selecting a duplex receptacle to ensure all requirements are met.

VD - Vibration Dampener

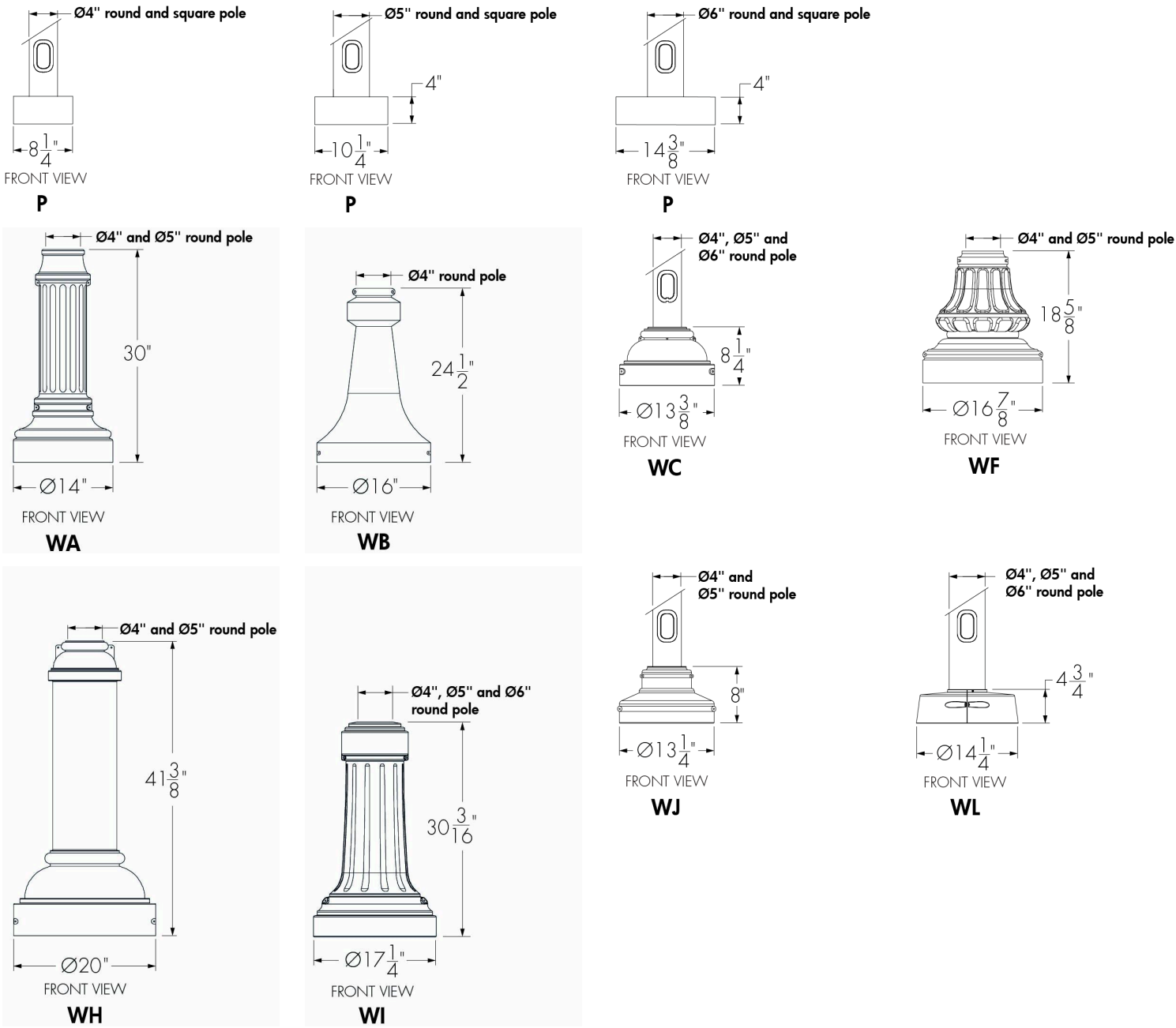


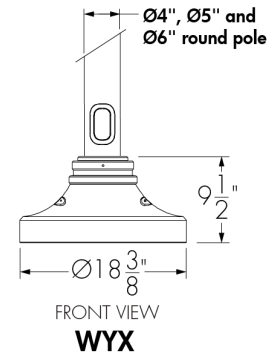
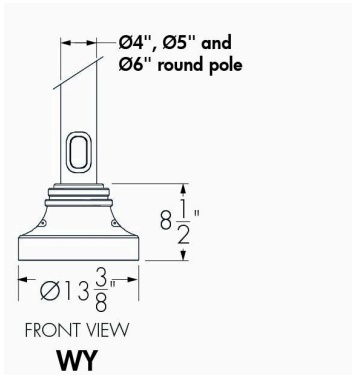
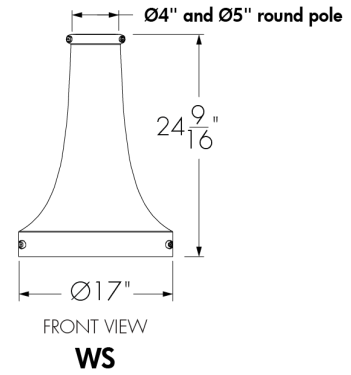
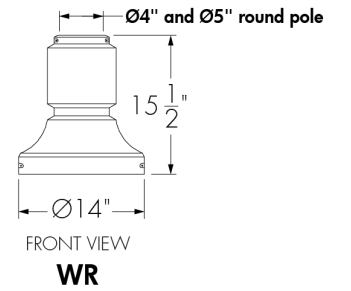
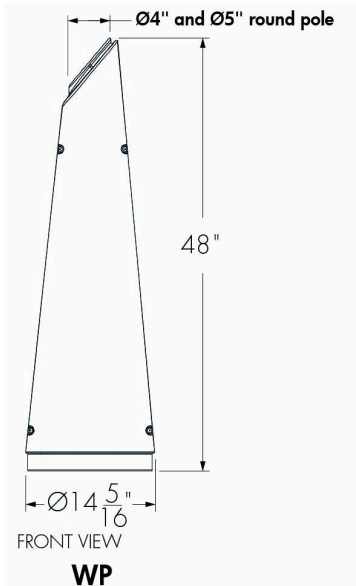
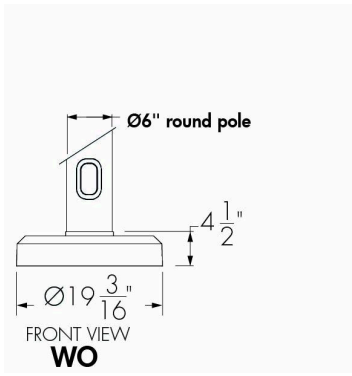
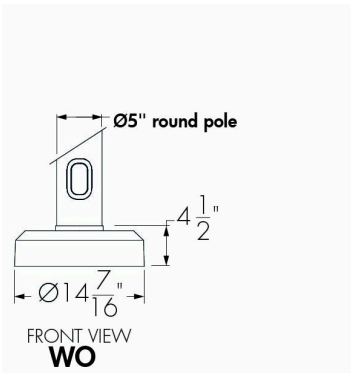
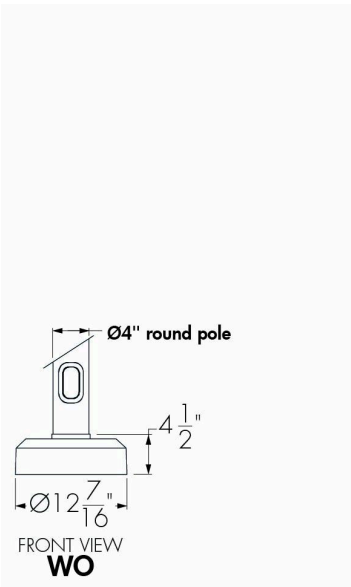
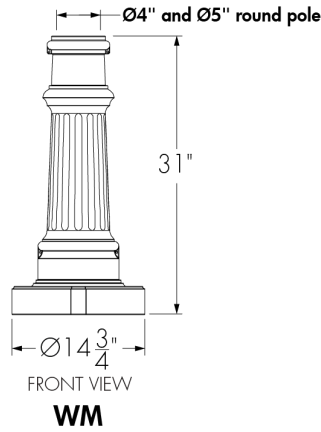
- A - Vibration Dampener
- B - Installation hardware(painted to match pole finish)

As per ANSI C136.30 standard for Pole Vibration, it is recommended to add a Vibration Dampener for a pole taller than 25 ft with low attachment EPA (less than 2 ft²). Special considerations should also be given to determine the need for a Vibration Dampener based on site conditions, regardless of selected pole height and EPA. Lumenpulse is not responsible for determining vibration dampener requirements on a project.

Consult factory for details.

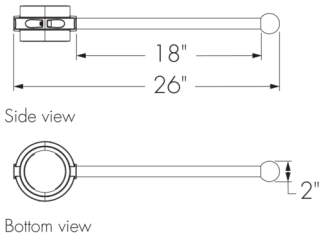
Base Cover Options Dimensions



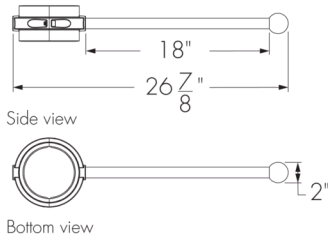


Banner Arm Dimensions*

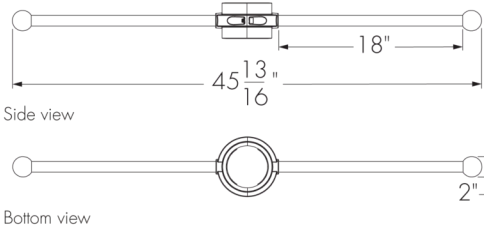
BA-X-CLMP-18-S1X-4-R



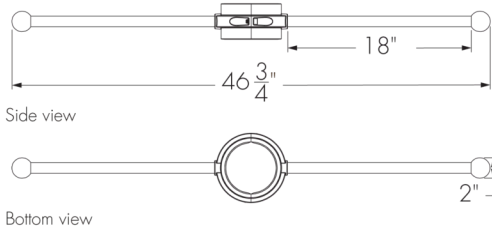
BA-X-CLMP-18-S1X-5-R



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



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

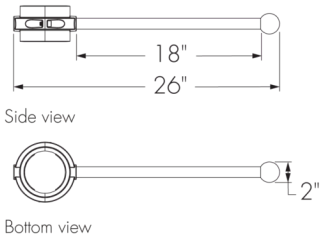


Order separately, consult Banner Arm specification sheet for details.

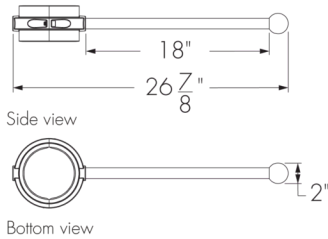
* Specify banner dimensions, installation height and orientation in the Ordering Specifications section.

Plant Holder Arm Dimensions*

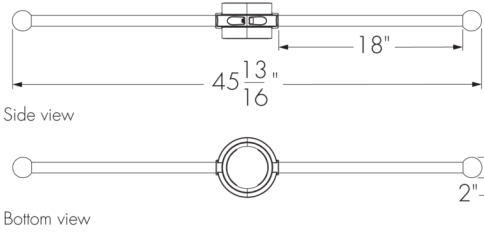
PH-CLMP-18-S1X-4-R/F



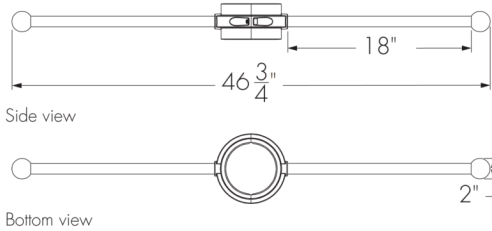
PH-CLMP-18-S1X-5-R-R/F



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



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

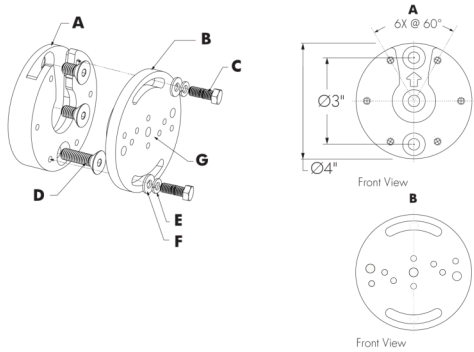
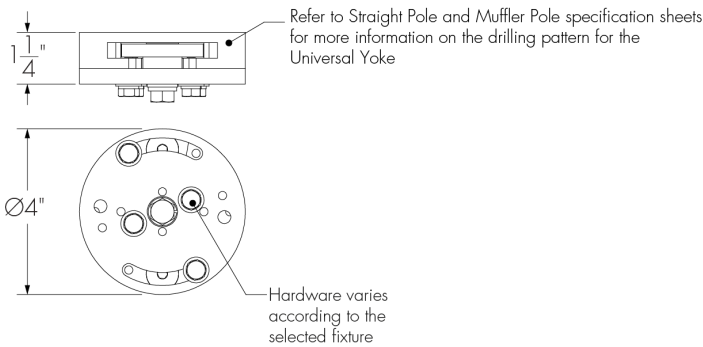


Order separately, consult Plant Holder Arm specification sheet for details.

* 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

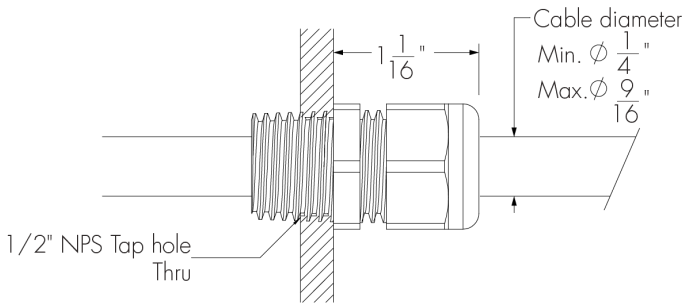
Straight and Muffler Pole



- 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 - (3X) 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 in installation instructions for more details)

Order separately, consult Universal Yoke specification sheet for details.

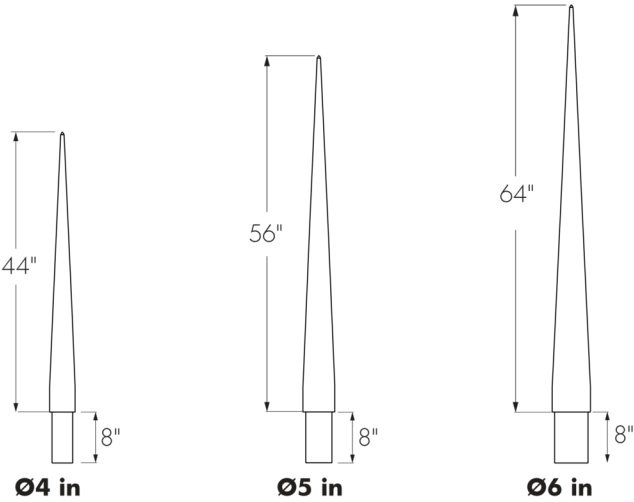
Pressure Gland Dimensions



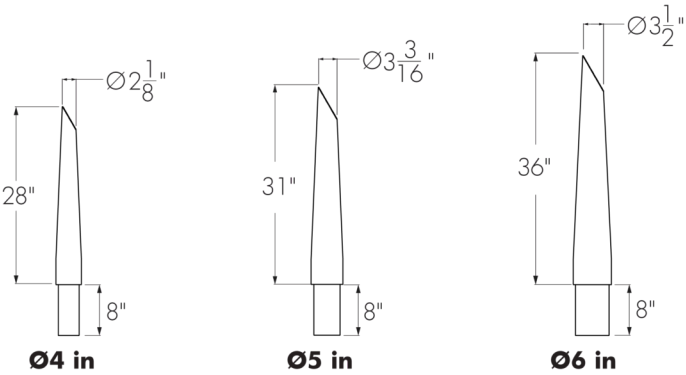
Order separately, consult Pressure Gland specification sheet for details.

Accessories (Order Separately)

NDL - Spiked Needle



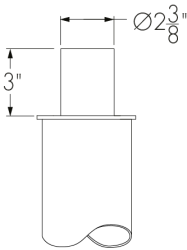
NDL-BV - Beveled Needle



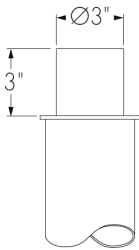
The corresponding pole dimension determines the height of each Needle. Consult Needle specification sheet for details.

Pole Top Options Details

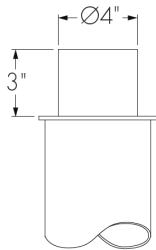
TN2 - 2 3/8 in O.D. Tenon Adapter



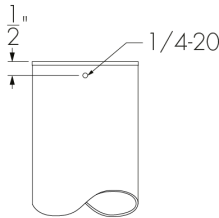
TN3 - 3 in O.D. Tenon Adapter



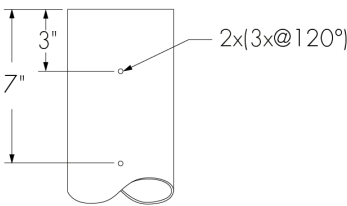
TN4 - 4 in O.D. Tenon Adapter



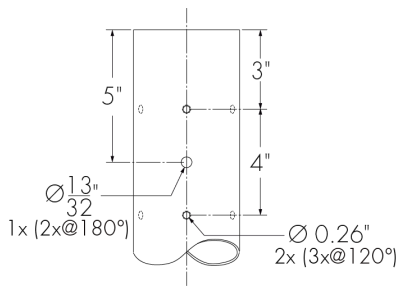
CAP - Flat Cap



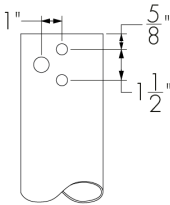
BRK - Drilling Pattern For Decorative Arms and Pole Top Accessories [1]



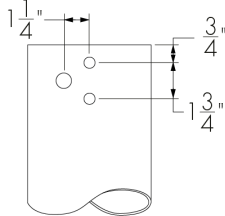
BRK-VRN - Drilling Pattern For Decorative Arms (for Normal application as per ANSI 136.31 2018.) [1]



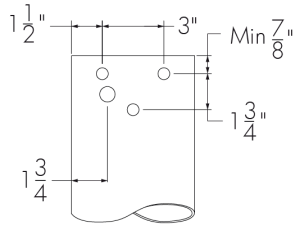
BLDS-S1E [2], BLDS-S2E [3], BLDS-S1E-3GV [2] and BLDS-S2E-3GV [3] - Drilling Pattern for Lumenblade Small [4]



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

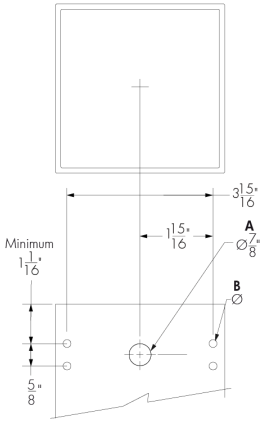


BLDM-S1E-3GV [2] and BLDM-S2E-3GV [3] - Drilling Pattern For Lumenblade Medium [4]



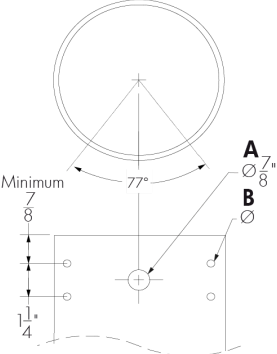
[1] Consult Decorative Arm and Needle specification sheets for more details.
[2] Standard orientation for **S1E** configuration is 0° (access door).
[3] Standard orientation for **S2E** configuration is 0° and 180° from access door.
[4] Flat cap included.

BLDN-SPA6N Square Pole Adapter for Ø6 in Pole



6 in Square pole mounting

BLDN-RPA6N Round Pole Adapter for Ø6 in Pole



6 in Ø Round pole mounting

A - Wire feeding location

B - S1E and S2E pole configuration

9/32 in drilling holes. Nylon nuts (x4) and screws (4x) 1/4-20 x 1.25 in provided by lumenpulse.

S1X pole configuration

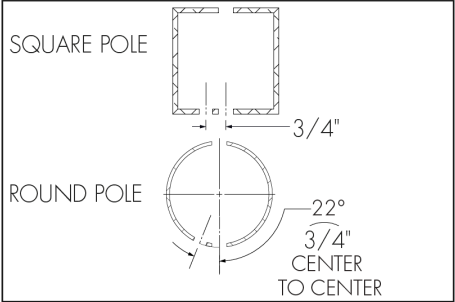
1/4-20 threaded holes. Screws (4x) 1/4-20 x 1.25 in provided by lumenpulse.

SPKS-S1E - Simple Drilling Pattern for Lumenspoke
Small with SPKS4 Arm Style on Top of the Pole

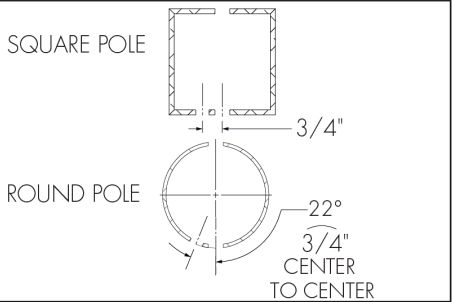
SPKH-S1E - Simple Drilling Pattern for Lumenspoke
Small with SPKH4 Arm Style on Top of the Pole

SPK-S1X – Simple Drilling Pattern for Lumenspoke
Small with SPKS4 and SPKH4 Arm Style at Variable
Height

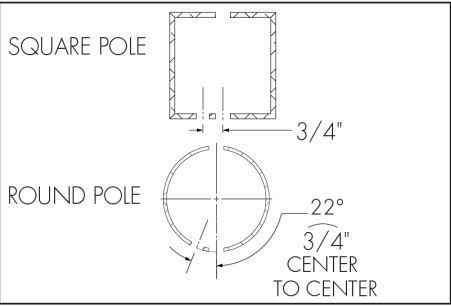
A-A SECTION



A-A SECTION

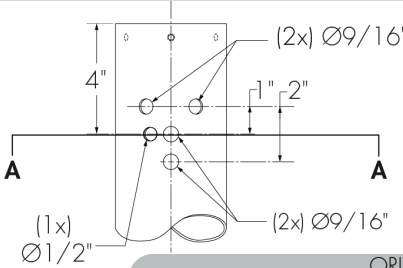
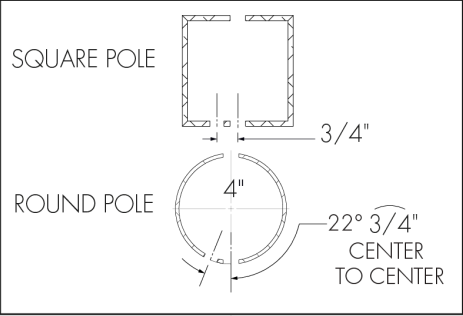


A-A SECTION

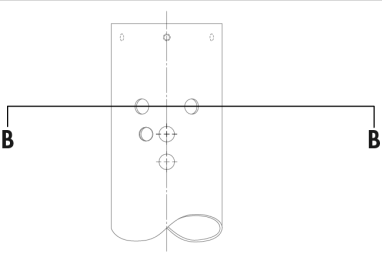
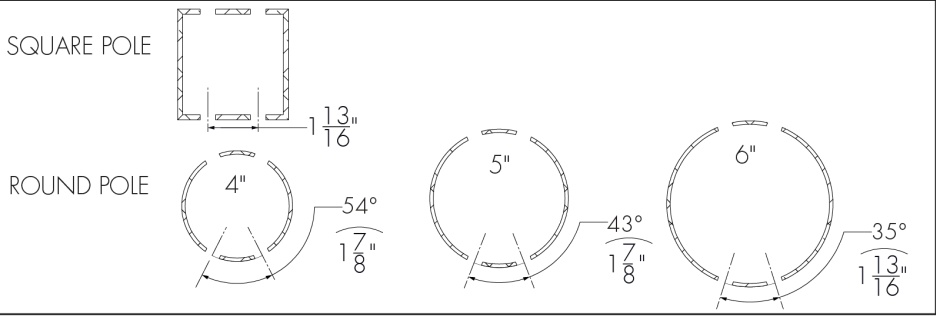


SPKS-S2E/S3E/S3Y/S4E - Double, Triple, Triple Y Shape and Quadruple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole

A-A SECTION



B-B SECTION



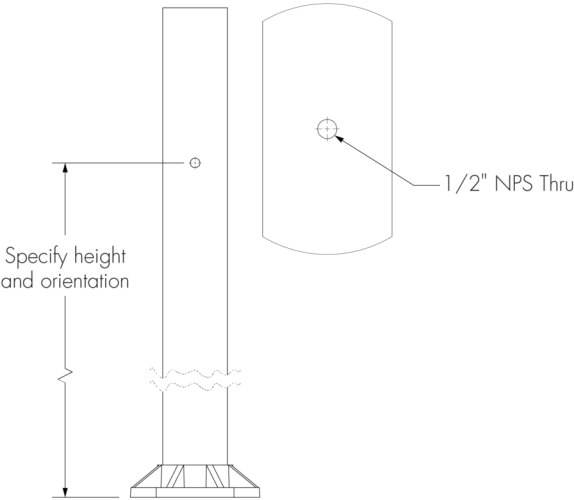
ORIENTATION

- SPKS-S2E: 0° - 180°
SPKS-S3E: 0° - 90° - 270°
SPKS-S3Y: 0° - 120° - 240°
SPKS-S4E: 0° - 90° - 180° - 270°

Double Configuration (S2E) Drilling Pattern shown

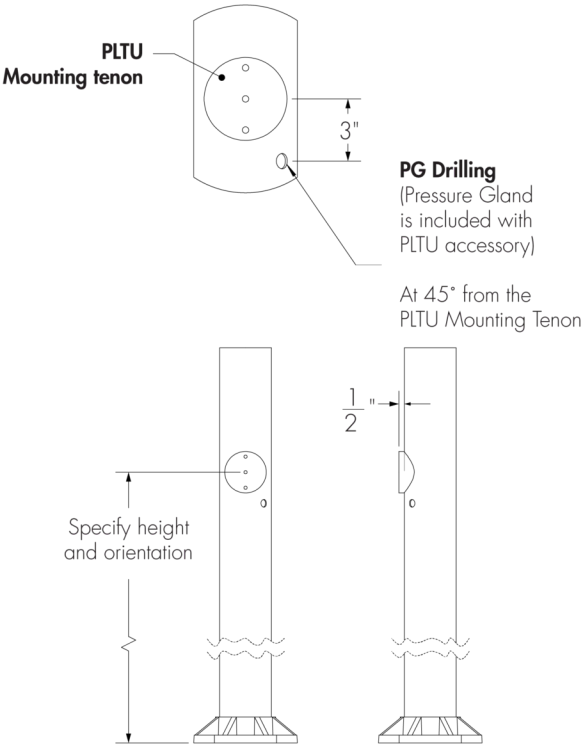
Pole Accessory Drilling Patterns

PG - Pressure Gland Drilling Pattern

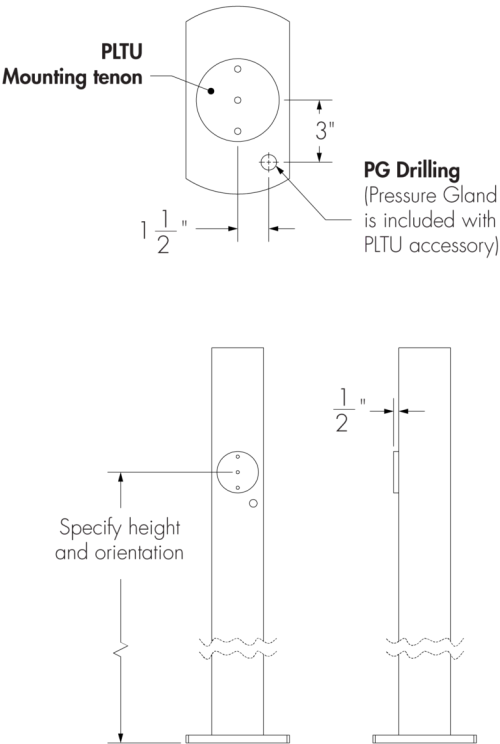


PLTU - Universal Yoke Drilling Pattern

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.

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Pole ⁽¹⁾	Dimensions	Material	Shapes	Height ⁽⁴⁾	Wall Thickness ⁽⁵⁾	Finish	Base Cover Options ⁽⁴⁾	
PL-S Straight Pole	4 4 in	AL Aluminum STL Steel	R Round S Square F Fluted ⁽²⁾ ⁽³⁾	10 10 ft	L 1/8 in ⁽⁶⁾ M 3/16 in H 1/4 in ⁽⁷⁾ W 5/16 in ⁽⁸⁾	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® BKTX Textured Black BRZTX Textured Bronze Non-Metallic GRATX Textured Medium Gray GRNTX Textured Green WHTX Textured White CC Custom Color & Finish ⁽⁹⁾ ⁽¹⁰⁾ ⁽¹¹⁾	P Square Base Cover P for 4 in, 5 in and 6 in Pole ⁽¹²⁾	
	5 5 in			11 11 ft			WA Round Base Cover WA for 4 in and 5 in Pole ⁽¹³⁾	
	6 6 in			12 12 ft			WB Round Base Cover WB for 4 in Pole ⁽¹³⁾	
				13 13 ft			WC Round Base Cover WC for 4 in, 5 in and 6 in Pole ⁽¹³⁾	
				14 14 ft			WF Round Base Cover WF for 4 in and 5 in Pole ⁽¹³⁾	
				15 15 ft			WH Round Base Cover WH for 4 in and 5 in Pole ⁽¹³⁾	
				16 16 ft			WI Round Base Cover WI for 4 in, 5 in and 6 in Pole ⁽¹³⁾	
				17 17 ft			WJ Round Base Cover WJ for 4 in and 5 in Pole ⁽¹³⁾	
				18 18 ft			WL Round Base Cover WL for 4 in, 5 in and 6 in Pole ⁽¹³⁾	
				19 19 ft			WM Square Base Cover WM for 4 in and 5 in Pole ⁽¹³⁾	
				20 20 ft			WO Round Base Cover WO for 4 in, 5 in and 6 in Pole ⁽¹³⁾	
				21 21 ft			WP Round Base Cover WP for 4 in and 5 in Pole ⁽¹³⁾	
				22 22 ft			WR Round Base Cover WR for 4 in and 5 in Pole ⁽¹³⁾	
				23 23 ft			WS Round Base Cover WS for 4 in and 5 in Pole ⁽¹³⁾	
				24 24 ft			WY Round Base Cover WY for 4 in, 5 in and 6 in Pole ⁽¹³⁾	
				25 25 ft			WYX Round Base Cover WYX for 4 in, 5 in and 6 in Pole ⁽¹³⁾	
				26 26 ft				
				27 27 ft				
				28 28 ft				
				29 29 ft				
				30 Maximum Height 30 ft				

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 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.

How to Order

Pole Top Options	Option	Anchor Bolts Option
TN2 2 3/8 in O.D. Tenon Adapter TN3 3 in O.D. Tenon Adapter TN4 4 in O.D. Tenon Adapter ⁽¹⁴⁾ TNMC1 MC1 Arm Style Tenon Adapter ⁽¹⁵⁾ CAP Flat Cap BRK Drilling Pattern for Decorative Arms and Pole Top Accessories BRK-VRN Drilling Pattern for Decorative Arms (for Normal application as per ANSI 136.31 2018) ⁽¹⁶⁾ BLDS-S1E Simple Drilling Pattern for Lumenblade Small ^{(17) (18)} BLDS-S2E Double Drilling Pattern for Lumenblade Small ^{(17) (18) (19)} BLDM-S1E Simple Drilling Pattern for Lumenblade Medium ^{(17) (18) (20)} BLDM-S2E Double Drilling Pattern for Lumenblade Medium ^{(17) (18) (20)} BLDS-S1E-3GV Simple Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) BLDS-S2E-3GV Double Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽¹⁹⁾ BLDM-S1E-3GV Simple Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽²⁰⁾ BLDM-S2E-3GV Double Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽²⁰⁾ BLDN-S1E-RPA6 Simple Drilling Pattern for Lumenblade Nano, 6 in Lumentech Round Pole BLDN-S2E-RPA6 Double Drilling Pattern for Lumenblade Nano, 6 in Lumentech Round Pole BLDN-S1X-RPA6 Variable Height Drilling Pattern For Lumenblade Nano, 6 in Lumentech Round Pole BLDN-S1E-SPA6 Simple Drilling Pattern For Lumenblade Nano, 6 in Lumentech Square Pole BLDN-S2E-SPA6 Double Drilling Pattern for Lumenblade Nano, 6 in Lumentech Square Pole BLDN-S1X-SPA6 Variable Height Drilling Pattern for Lumenblade Nano, 6 in Lumentech Square Pole SPKS-S1E Simple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole ^{(17) (18)} SPKH-S1E Simple Drilling Pattern for Lumenspoke Small with SPKH4 Arm Style on Top of the Pole ^{(17) (18)} SPKS-S2E Double Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole ^{(17) (18)} SPKS-S3E Triple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole ^{(17) (18) (21)} SPKS-S3Y Triple Y Shape Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole ^{(17) (18) (22)} SPKS-S4E Quadruple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole ^{(17) (18) (21)} SPK-S1X Simple Drilling Pattern for Lumenspoke Small with SPKS4 and SPKH4 Arm Style at Variable Height ⁽²³⁾	DRG Ground Fault Duplex Receptacle ⁽²⁴⁾ DRG IU Ground Fault Duplex Receptacle (While in Use) ⁽²⁴⁾ DB Direct Burial ⁽²⁵⁾ TP Tamper-Proof Screws CRC Corrosion-Resistant Coating ^{(26) (27)} GALV Galvanized Steel ⁽²⁸⁾ PLTU Universal Yoke Drilling Pattern ^{(29) (30)} PG Pressure Gland Drilling Pattern ⁽³⁰⁾ VD Vibration Dampener ^{(30) (31)}	AB Anchor Bolts ⁽³²⁾

Notes:

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

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

16. Available for Ø4 in poles only.
17. Flat Cap included.

18. Consult factory for availability with fluted shape poles.

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

20. Available with 6 in pole dimension only.

21. Not available for 4 in or 5 in Poles.

22. Not Available for Square Poles.

23. Consult factory for availability.

24. Only one duplex receptacle can be specified per fixture.

25. 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.

26. Automatically included when a steel pole is specified.

27. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
28. Only available for steel poles with textured finish (immersion marks may occur).

29. Not available for Fluted Pole Shape.

30. Consult factory for details.

31. As per ANSI C136.30 standard for Pole Vibration, it is recommended to add a Vibration Dampener for a pole taller than 25 ft with low attachment EPA (less than 2 ft²). Special considerations should also be given to determine the need for a Vibration Dampener based on site conditions, regardless of selected pole height and EPA. Lumenpulse is not responsible for determining vibration dampener requirements on a project.

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