

Project Name

Qty

Type

Catalog / Part Number



WLX Base Cover, N/A No Base Cover (Semi-Buried)



Base Cover Options



Lumencycle™ Program



Certifications



Description

The Lumenpulse Tapered Pole combines sleek, architectural design with durability, making it ideal for a wide range of outdoor applications. Crafted from heat-treated aluminum with a 0.25 in wall thickness, it offers reliable strength and long-lasting performance. With seamless fixture compatibility, optional access doors, and multiple height options, the Tapered Pole delivers both flexibility and a clean, modern aesthetic for bold, enduring installations.

Features

Dimensions	6@4: 6 in to 4 in 8@6: 8 in to 6 in
Shapes	R: Round
Height	Up to 35 ft, to specify height in 1 ft increments (consult configurations table for maximum height informations)
Base Cover Options	WL: Round Base Cover WL for 6 in Pole WY: Round Base Cover WY for 6 in Pole WLX: Round Base Cover WXL for 8 in Pole WYX: Round Base Cover WYX for 8 in Pole N/A: No Base Cover
Option	DRG: Ground Fault Duplex Receptacle DRG IU: Ground Fault Duplex Receptacle (While in Use) USB: Duplex Receptacle with USB A and USB C USB IU: Duplex Receptacle with USB A and USB C (While in Use) TP: Tamper-Proof Screws CRC: Corrosion-Resistant Coating for Hostile Environments PLTU: Universal Yoke Drilling Pattern PG: Pressure Gland Drilling Pattern AD: Secondary Base Access Door HK: Hook VD: Vibration Dampener

Warranty	5-year limited warranty
Physical	
Access Door Dimensions	6@4: 18 7/8 in X 3 3/8 in 8@6: 18 7/8 in X 4 1/4 in
Wall Thickness	1/4 in
Anchor Bolt Material	Carbon steel partially galvanized
Hardware Material	Stainless steel
Pole Top Options	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) TN2: 2 3/8 in O.D. Tenon Adapter TN3: 3 in O.D. Tenon Adapter TN4: 4 in O.D. Tenon Adapter TNMC1: MC1 Arm Style Tenon Adapter BLDS-S1E: Simple Drilling Pattern for Lumenblade Small BLDS-S1E-3GV: Simple Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) BLDS-S2E: Double Drilling Pattern for Lumenblade Small BLDS-S2E-3GV: Double Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) BLDM-S1E: Simple Drilling Pattern for Lumenblade Medium BLDM-S1E-3GV: Simple Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) BLDM-S2E: Double Drilling Pattern for Lumenblade Medium BLDM-S2E-3GV: Double Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) 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 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 SPKS-S2E: Double Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole SPKS-S3E: Triple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole SPKS-S3Y: Triple Y Shape Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole SPKS-S4E: Quadruple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole SPK-S1X: Simple Drilling Pattern for Lumenspoke Small with SPKS4 and SPKH4 Arm Style at Variable Height

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).
Grounding Terminal	Copper double-conductor (UL listed, accessible from pole hand hole)
Material	Aluminum

Environmental

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

Needles	NDL: Spiked Needle NDL-BV: Beveled Needle
Hardware	PG: Pressure Gland
Fixture Mounting	PLTU: Universal Yoke

Important

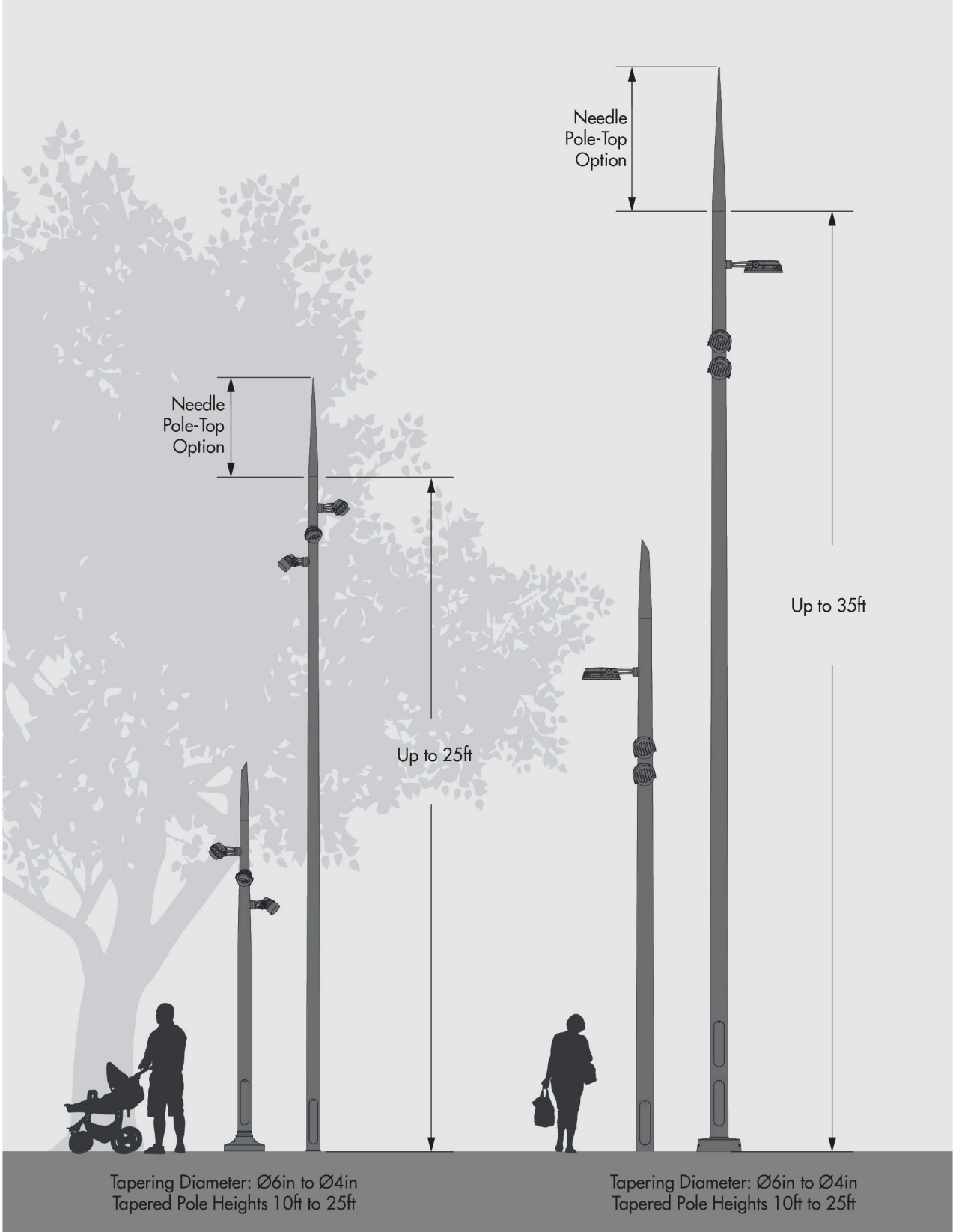
Virtual Patent Marking Notice

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>.

Installation Overview

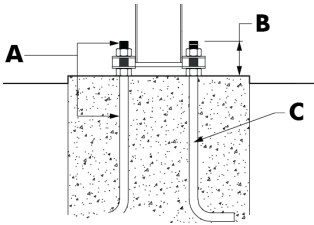


Configurations Table

Formes	Rond	
		
Hauteur maximum (matériel)	Aluminium: 10 pi à 20 pi	Aluminium: 20 pi à 35 pi
Options de cache bases compatibles	WL, WY N/A	WLX, WYX N/A
Accessoires compatibles	PLTU, NDL, NDL-BV	

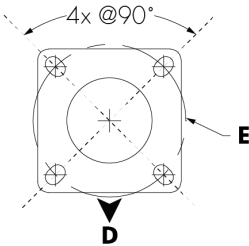
Anchoring Details

Anchor Details



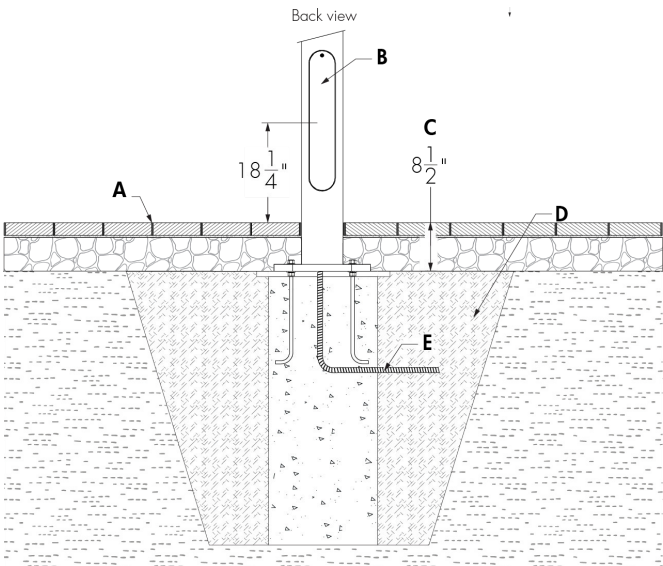
- A - Galvanized Steel portion
- B - The threads of Anchor Bolts must protrude minimum 2 3/4 in and maximum 3 1/4 in from concrete base.
- C - (4X) Anchors Bolt
6@4: ø3/4 in x 26 in long
8@6: ø1 in x 36 in long
Supplied with two Nuts and Flats Washers for each (provided).

Bolt Circle



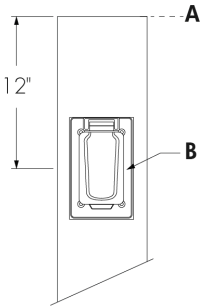
- D - Access Door and Street Side
- E - Bolt Circle:
6@4: 10 in
8@6: 11 1/2 in

Semi-Buried Installation Assembly Details



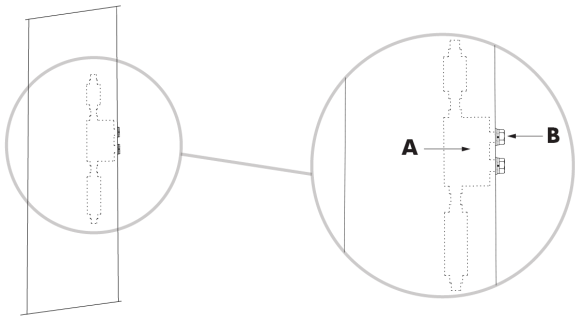
- A - Finished grade
- B - Access door
- C - Buried section
- D - Filling
- E - Conduit (by others)

Ground Fault Duplex Receptacle Options Detail



A - Top of pole
B - Standard location of Ground Fault Duplex Receptacle (DRG and DRG IU) and Duplex Receptacle with USB A and USB C (USB and USB IU) is 12 in from the top on door side (consult factory for others configurations).

VD - Vibration Dampener



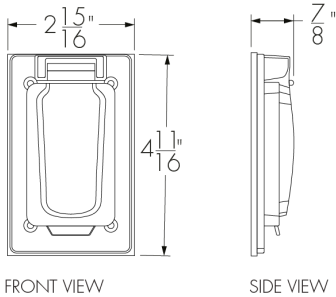
A - Vibration Dampener
B - Installation hardware (painted to match pole finish)

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.

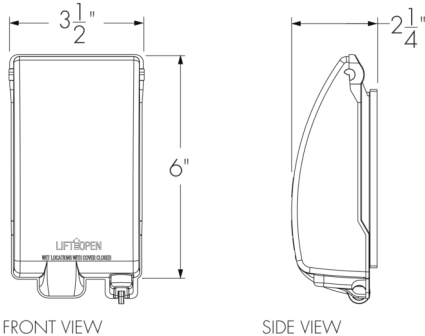
Consult factory for details.

Duplex Receptacle Installation Dimensions

DRG - Ground Fault Duplex Receptacle
USB - Duplex Receptacle with USB A and USB C



DRG IU - Ground Fault Duplex Receptacle (While in Use)*
USB IU - Duplex Receptacle with USB A and USB C In-Use



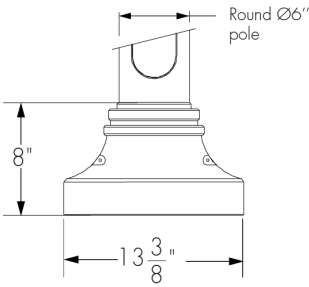
DRG and USB options are not suitable under the Canadian Electrical Code (CEC) for product installations in Canada. Only the DRG IU or USB IU are suitable for products installed in Canada.

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

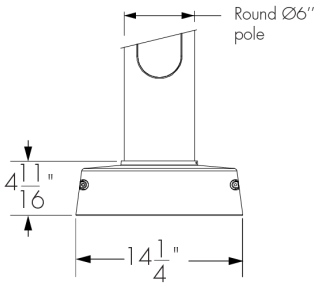
The duplex receptacle must be installed in accordance with applicable national and local electrical and construction codes by a person familiar with the construction and operation of the product and the hazards involved. Refer to national and local electrical codes before selecting a duplex receptacle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

Base Cover Options Dimensions

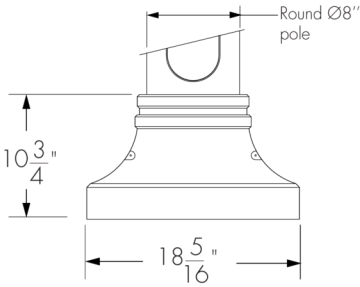
WY - Round Base Cover WY for Ø6 in Pole



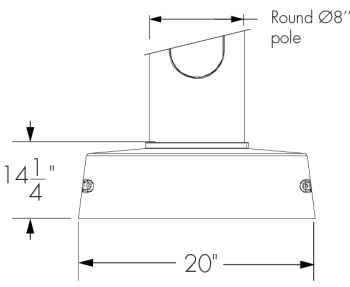
WL - Round Base Cover WL for Ø6 in Pole



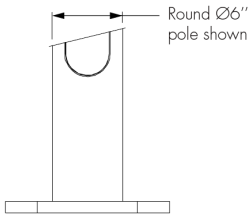
WYX - Round Base Cover WYX for Ø8 in Pole



WLX - Round Base Cover WLX for Ø8 in Pole

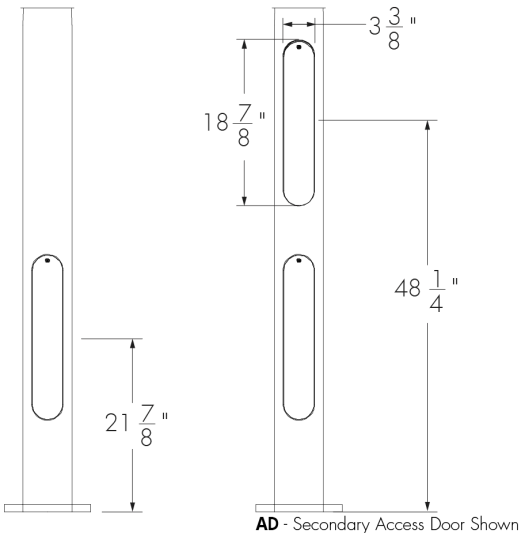


N/A - No Base Cover

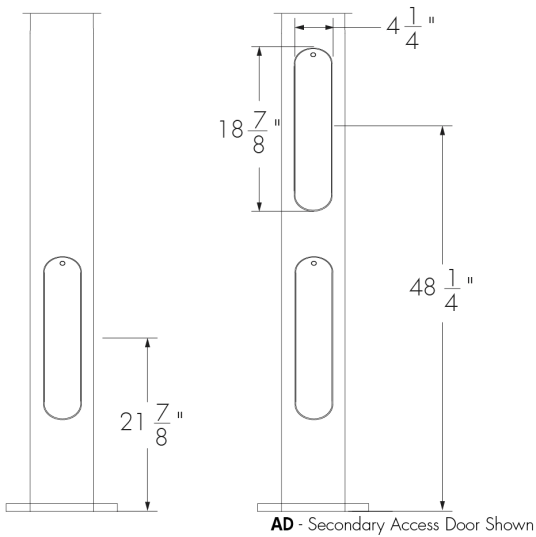


AD - Access Door - Height

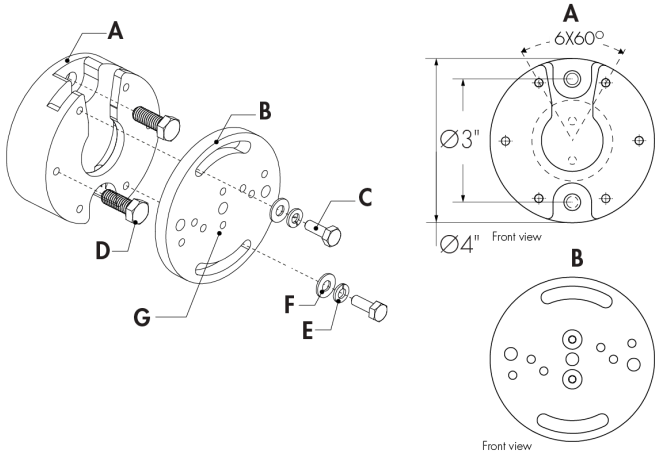
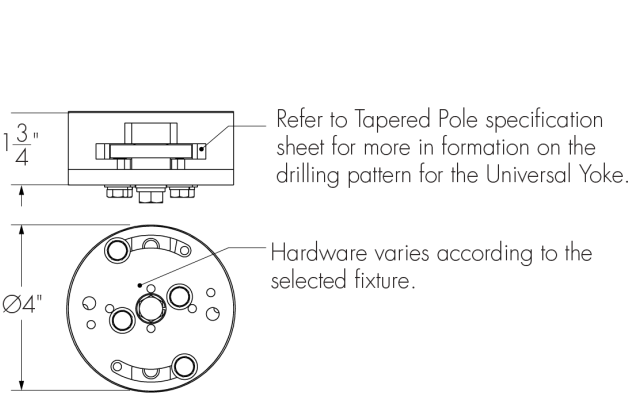
6@4



8@6



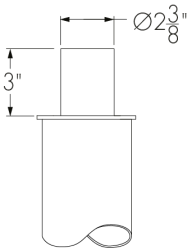
PLTU - Universal Yoke - Dimensions



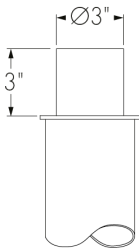
- A - Fixed part (Skate included)
- B - 360° swivel part
- C - (2X) 1/4-20 Bolts (included, use to assemble 360° swivel part to fixed part)
- D - (2X) 3/8-16 Bolts
- E - (2X) Lock Washer
- F - (2X) Flats Washer
- G - For 3/8-16 or 1/4-20 Bolts (included when ordered with a Lumenbeam product, refer to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

Pole Top Options Details

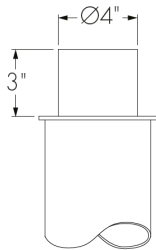
TN2 - 2 3/8 in O.D. Tenon Adapter



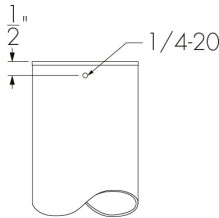
TN3 - 3 in O.D. Tenon Adapter



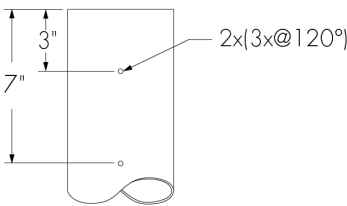
TN4 - 4 in O.D. Tenon Adapter



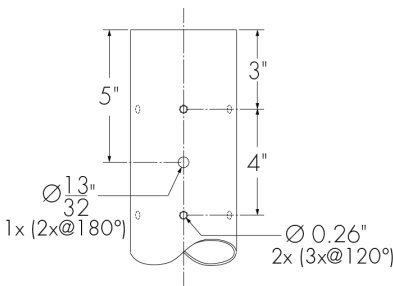
CAP - Flat Cap



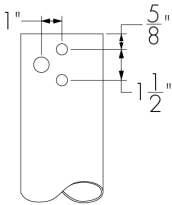
BRK - Drilling Pattern For Decorative Arms and Pole Top Accessories [1]



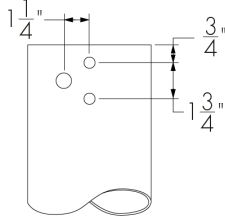
BRK-VRN - Drilling Pattern For Decorative Arms (for Normal application as per ANSI 136.31 2018.) [1]



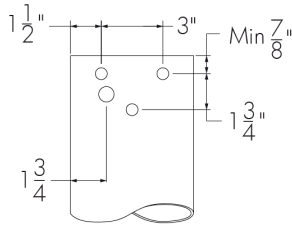
BLDS-S1E [2], BLDS-S2E [3], BLDS-S1E-3GV [2] and BLDS-S2E-3GV [3] - Drilling Pattern for Lumenblade Small [4]



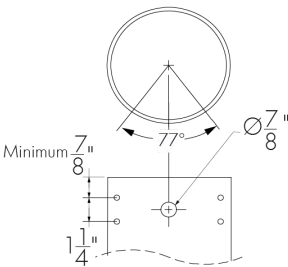
BLDM-S1E [2] and BLDM-S2E [3] - Drilling Pattern for Lumenblade Medium [4]



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



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



6 in Ø round pole mounting.

[1] Consult Decorative Arm and Needle specification sheets for more details.
[2] Standard orientation for **S1E** configuration is 0° (access door).

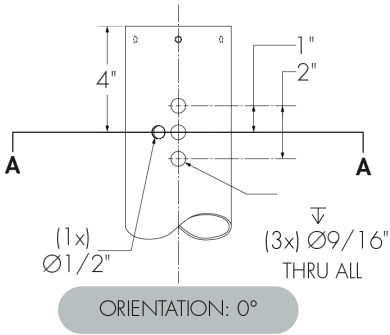
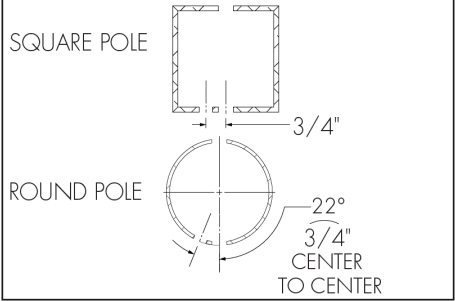
- [3] Standard orientation for **S2E** configuration is 0° and 180° from access door.
[4] Flat cap included.

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

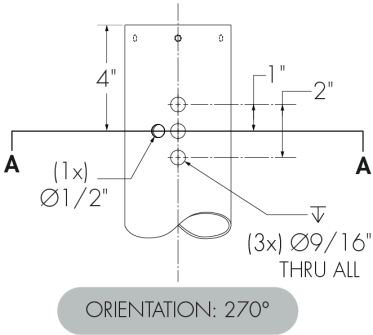
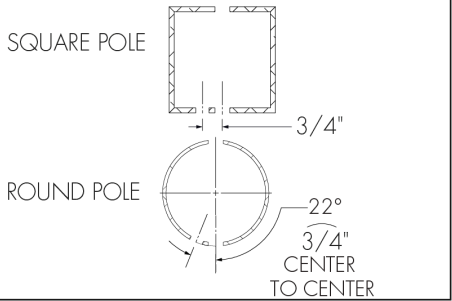
SPKH-S1E - Simple Drilling Pattern for Lumenspoke Small with SPKH4 Arm Style on Top of the Pole

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

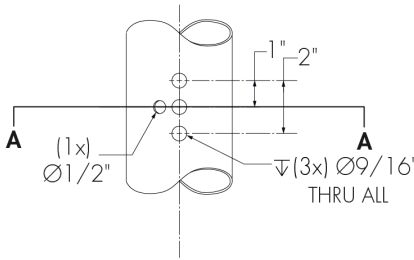
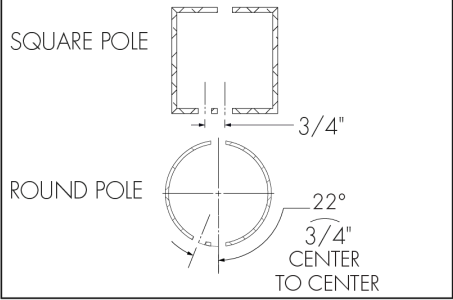
A-A SECTION



A-A SECTION

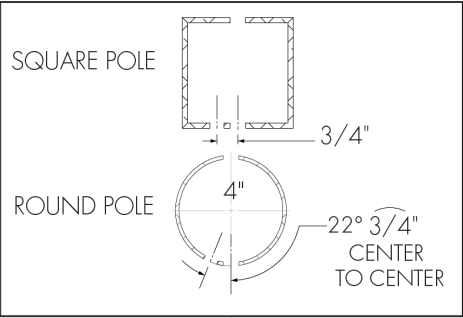


A-A SECTION

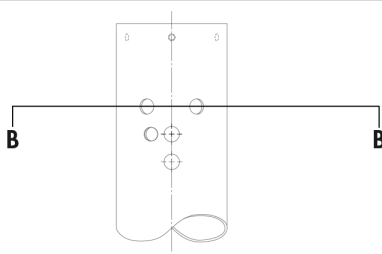
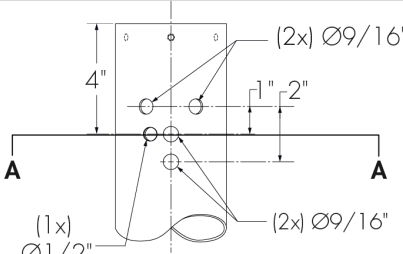
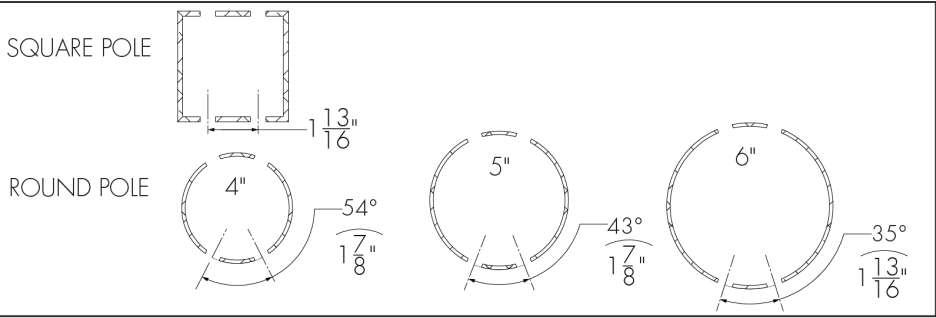


SPKS-S2E/S3E/S3Y/S4E - Double, Triple, Triple Y Shape and Quadruple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole

A-A SECTION



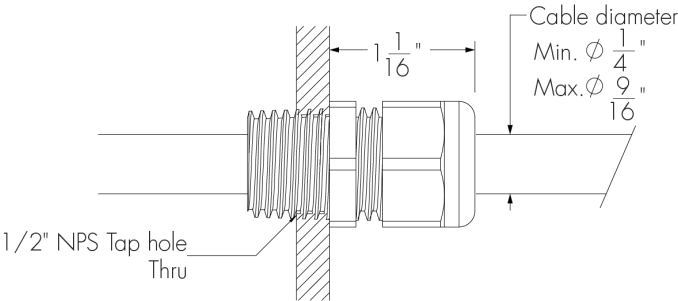
B-B SECTION



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

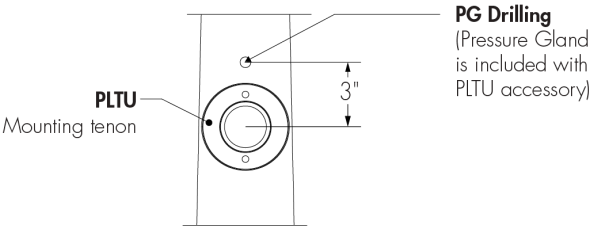
Double Configuration (S2E) Drilling Pattern shown

Pressure Gland Dimensions

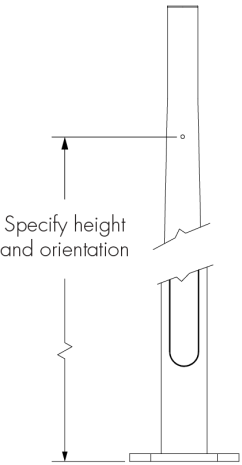
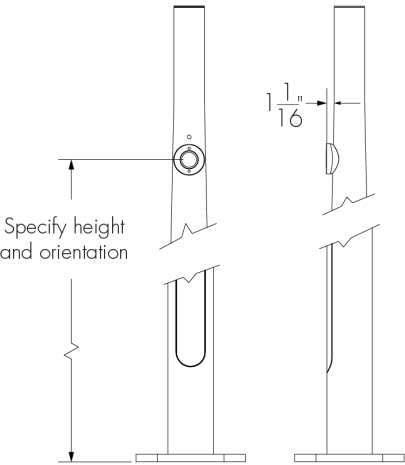
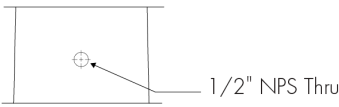


Drilling Pattern

PLTU - Universal Yoke Drilling Pattern

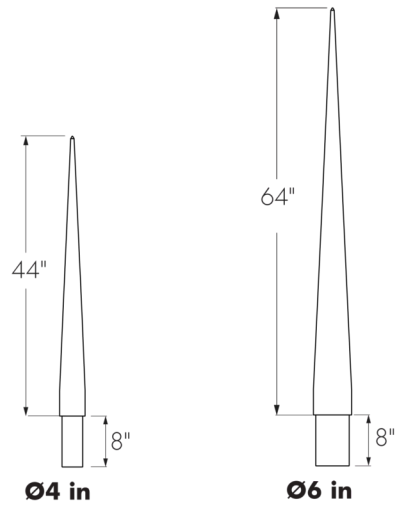


PG - Pressure Gland Drilling Pattern

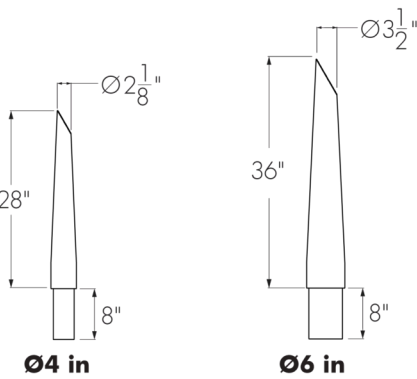


Accessories (Order Separately)

NDL - Spiked Needle



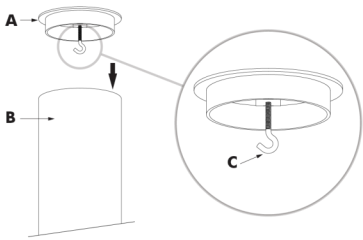
NDL-BV - Beveled Needle



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

Accessories (Optional, Specify in Order Code)

HK - Hook



- A - Cap (included)
- B - Tapered Pole
- C - Hook

How to Order

Housing	Dimensions	Material	Shapes	Height ⁽³⁾	Wall Thickness	Finish	Base Cover Options ⁽³⁾
PL-C Tapered Pole	6@4 6 in to 4 in ⁽¹⁾ 8@6 8 in to 6 in ⁽²⁾	AL Aluminum	R Round	10 10 ft	H 1/4 in	BK Black Sandtex®	WL Round Base Cover WL for 6 in Pole ⁽⁷⁾
				11 11 ft		BRZ Bronze Sandtex®	WY Round Base Cover WY for 6 in Pole ⁽⁷⁾
				12 12 ft		SI Silver Sandtex®	WLX Round Base Cover WXL for 8 in Pole ⁽⁸⁾
				13 13 ft		BKTX Textured Black	WYX Round Base Cover WYX for 8 in Pole ⁽⁸⁾
				14 14 ft		BRZTX Textured Bronze Non- Metallic	N/A No Base Cover
				15 15 ft		GRATX Textured Medium Gray	
				16 16 ft		GRNTX Textured Green	
				17 17 ft		WHTX Textured White	
				18 18 ft		CC Custom Color & Finish ⁽⁴⁾ ⁽⁵⁾ ⁽⁶⁾	
				19 19 ft			
				20 20 ft			
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				32 32 ft			
				33 33 ft			
				34 34 ft			
				35 35 ft			

Notes:

1. Available up to 25 ft.

2. Available from 25 ft to 35 ft.

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

4. 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.
5. Setup charges apply for RAL colors. Consult factory for details.

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

7. Available for 6@4 Pole Dimension only.

8. Available for 8@6 Pole Dimension only.

How to Order

Pole Top Options ⁽⁹⁾	Option	Buy American Act	Anchor Bolts Option
CAP Flat Cap	DRG Ground Fault Duplex Receptacle ^{(14) (15) (16)}	BAA Buy American ^{(21) (22)}	AB Anchor Bolts ⁽²³⁾
BRK Drilling Pattern for Decorative Arms and Pole Top Accessories	DRG IU Ground Fault Duplex Receptacle (While in Use) ^{(14) (15)}		
BRK-VRN Drilling Pattern for Decorative Arms (for Normal application as per ANSI 136.31 2018) ⁽⁷⁾	USB Duplex Receptacle with USB A and USB C ^{(14) (15) (16)}		
TN2 2 3/8 in O.D. Tenon Adapter	USB IU Duplex Receptacle with USB A and USB C (While in Use) ^{(14) (15)}		
TN3 3 in O.D. Tenon Adapter	TP Tamper-Proof Screws		
TN4 4 in O.D. Tenon Adapter ^{(8) (10)}	CRC Corrosion-Resistant Coating ⁽¹⁷⁾		
TNMC1 MC1 Arm Style Tenon Adapter ⁽¹¹⁾	PLTU Universal Yoke Drilling Pattern ⁽¹⁸⁾		
BLDS-S1E Simple Drilling Pattern for Lumenblade Small ⁽¹²⁾	PG Pressure Gland Drilling Pattern ⁽¹⁸⁾		
BLDS-S1E-3GV Simple Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽¹²⁾	AD Secondary Base Access Door		
BLDS-S2E Double Drilling Pattern for Lumenblade Small ⁽⁸⁾	HK Hook ^{(8) (19)}		
BLDS-S2E-3GV Double Drilling Pattern for Lumenblade Small (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽⁸⁾	VD Vibration Dampener ^{(18) (20)}		
BLDM-S1E Simple Drilling Pattern for Lumenblade Medium ^{(8) (12)}			
BLDM-S1E-3GV Simple Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ^{(8) (12)}			
BLDM-S2E Double Drilling Pattern for Lumenblade Medium ^{(8) (12)}			
BLDM-S2E-3GV Double Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ^{(8) (12)}			
BLDN-S1E-RPA6 Simple Drilling Pattern for Lumenblade Nano, 6 in Lumentech Round Pole ^{(8) (12)}			
BLDN-S2E-RPA6 Double Drilling Pattern for Lumenblade Nano, 6 in Lumentech Round Pole ^{(8) (12)}			
SPKS-S1E Simple Drilling Pattern for Lumenspoken Small with SPKS4 Arm Style on Top of the Pole ⁽¹²⁾			
SPKH-S1E Simple Drilling Pattern for Lumenspoken Small with SPKH4 Arm Style on Top of the Pole ⁽¹²⁾			
SPKS-S2E Double Drilling Pattern for Lumenspoken Small with SPKS4 Arm Style on Top of the Pole ⁽¹²⁾			
SPKS-S3E Triple Drilling Pattern for Lumenspoken Small with SPKS4 Arm Style on Top of the Pole ^{(8) (12)}			
SPKS-S3Y Triple Y Shape Drilling Pattern for Lumenspoken Small with SPKS4 Arm Style on Top of the Pole ^{(8) (12)}			
SPKS-S4E Quadruple Drilling Pattern for Lumenspoken Small with SPKS4 Arm Style on Top of the Pole ^{(8) (12)}			
SPK-S1X Simple Drilling Pattern for Lumenspoken Small with SPKS4 and SPKH4 Arm Style at Variable Height ⁽¹³⁾			

Notes:

7. Available for 4@4 Pole Dimension only.

8. Available for 8@6 Pole Dimension only.

9. Only 1 Pole Top Option per pole.

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

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

12. Flat Cap included.

13. Consult factory for availability.

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

15. Specify DRG or DRG IU or USB or USB IU. These options cannot be combined.

16. 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.
17. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

18. Consult factory for details.

19. Compatible with Cap Pole Top Option only.

20. 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.

21. Factory validation required. Consult factory for project requirements.

22. Contact your Lumenpulse Sales Representative for more information on order volume details.

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