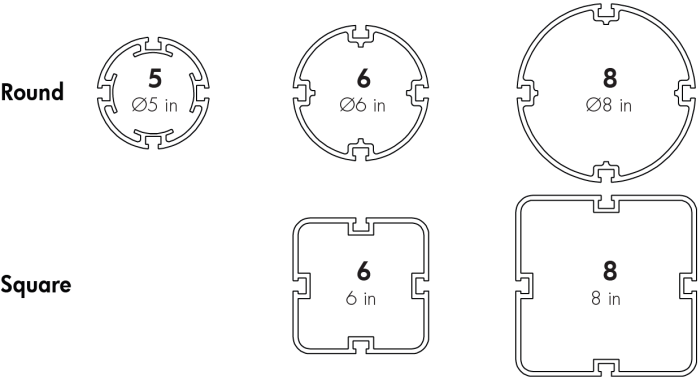


Project Name

Qty

Type

Catalog / Part Number



Available Pole Shapes
Up to 28 ft (Specify Height in 1 ft increments)

Base cover options

Description

The Lumentech Smart Pole is compatible with a number of Lumenpulse outdoor fixtures and accessories. Available in various heights, finishes and designed to be future-proof, the Lumentech Smart Pole is an instant contemporary classic.

Features

Dimensions	5: 5 in , 6: 6 in, 8: 8 in
Shapes	R: Round, S: Square
Height	Up to 28 ft (specify height in 1 ft increments)
Warranty	5-year limited warranty
Option	DRG: Ground Fault Duplex Receptacle DRG IU: Ground Fault Duplex Receptacle (While in Use) TP: Tamper-Proof Screws CRC: Corrosion-Resistant Coating for Hostile Environments PG: Pressure Gland Drilling Pattern PLTU: Universal Yoke Drilling Pattern HK: Hook VD: Vibration Dampener

Physical

Material	Aluminum
Cap Material	Aluminum (included)
Hardware Material	Stainless steel
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).

Lumencycle™ Program



Certifications



Pole Top Options

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).
Drilling Pattern for Decorative Arms and Pole Top Accessories
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, 8 in Round Pole
Variable Height Drilling Pattern For Lumenblade Nano, 8 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 and Double Drilling Pattern for Lumenblade Nano, 8 in Square Pole
Variable Height Drilling Pattern For Lumenblade Nano, 8 in Lumentech Square Pole
Simple Drilling Pattern for Lumenspoke Small SPKS4 and SPKH4 Arm Style

Grounding Terminal

Copper single-conductor (UL listed, accessible from pole hand hole)

Environmental

Environment

Dry/damp/wet location

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
SSH: Street Sign Holder
SSK: Small Skate for Lumentech
LSK: Large Skate for Lumentech
HK: Hook

Control Boxes

Vertical CBOX (consult factory)

Needles

NDL: Spiked Needle
NDL-BV: Beveled Needle

Important

Virtual Patent Marking Notice

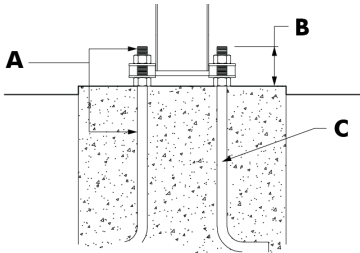
This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

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>.

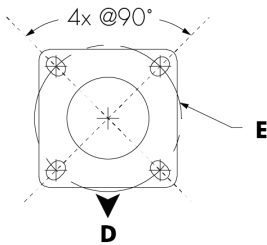
Anchoring Details

Anchor Details



- A - Galvanized Steel portion
- B - The threads of Anchor Bolts must protrude at least 3 in from concrete base.
- C - (4X) Anchor Bolts, supplied with two Nuts and Flats Washers for each (provided)

Bolt Circle

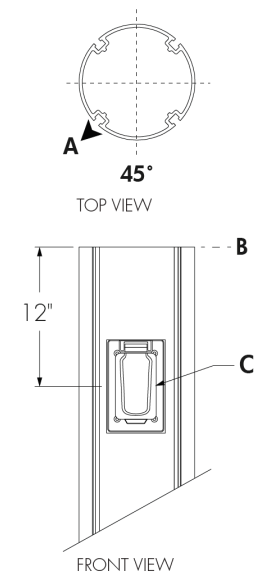


- D - Access Door and Street Side
- E - Bolt Circle

Shapes	Anchor Bolts	Bolt Circle
5 in 	Ø3/4 in x 26 in	Ø10 in
6 in 	Ø1 in x 36 in	Ø14 in
8 in 	Ø1 in x 36 in	Ø14 in

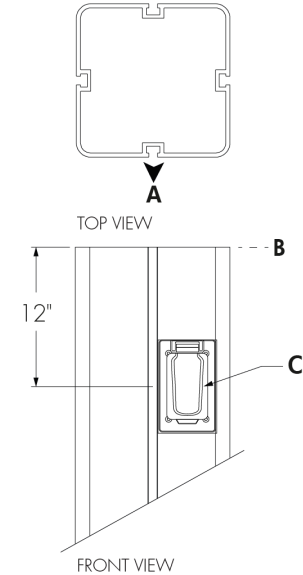
Ground Fault Duplex Receptacle Options Detail

Round Pole Shape



A - Door Side
B - Top of Pole
C - Standard location of Ground Fault Duplex Receptacle (DRG and DRG IU) is 12 in from the top, 45° from the Door Side (consult factory for others configuration).

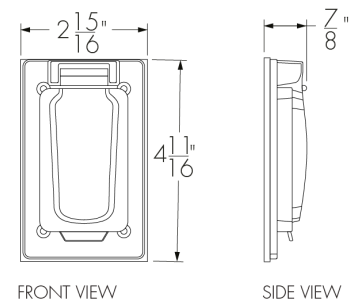
Square Pole Shape



A - Door Side
B - Top of Pole
C - Standard location of Ground Fault Duplex Receptacle (DRG and DRG IU) is 12 in from the top on Door Side, right side of the slide (consult factory for others configuration).

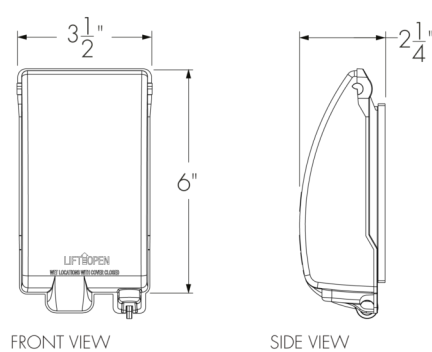
Duplex Receptacle Installation Dimensions

DRG - Ground Fault Duplex Receptacle



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.

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

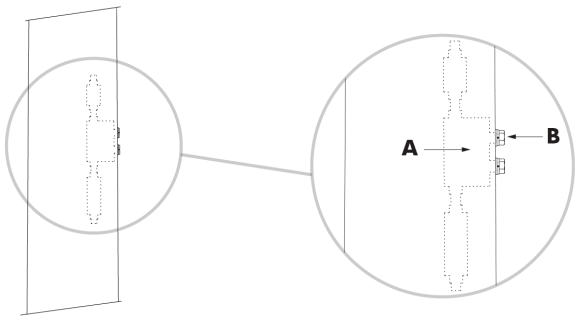


* Weather-resistant and lockable cover (padlock by others)

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.

DRG and DRG IU are available for 5 in, 6 in and 8 in round profiles, and 8 in square profiles only.

VD - Vibration Dampener



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

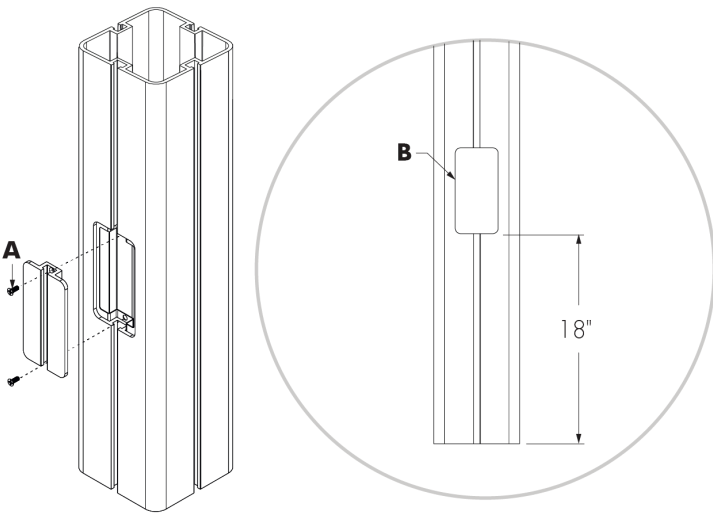
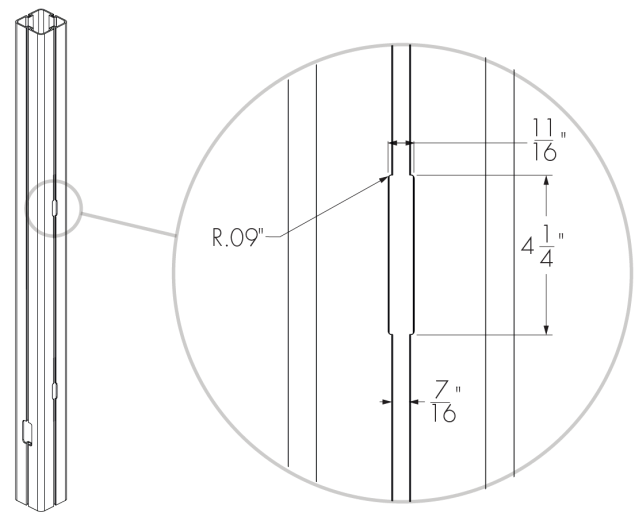
As per ANSI C136.30 standard for Pole Vibration, it is recommended to add a Vibration Dampener for a pole taller than 25 ft with low attachment EPA (less than 2 ft²). Special considerations should also be given to determine the need for a Vibration Dampener based on site conditions, regardless of selected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

Consult factory for details.

Details And Dimensions

Quick Insert Aperture For Skate Accessories

Access Door

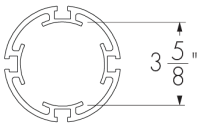


The Lumentech Smart Pole is delivered with 2 quick insert apertures per side as standard (Access Door count as 1 aperture, consult factory for other configurations).

- A** - (2x) 10-32 Bolts (included)
B - Access Door Dimensions:
- Ø 5 in Pole: 2 1/8 in x 4 in
- Ø 6 in and Ø 8 in Pole: 3 in x 6 in

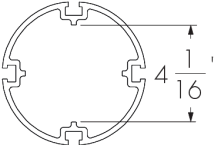
Interior Dimensions

Round 5in



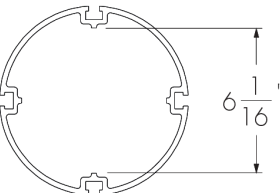
Top View

Round 6in



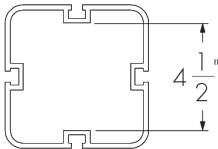
Top View

Round 8in



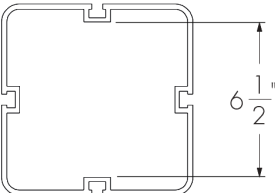
Top View

Square 6in



Top View

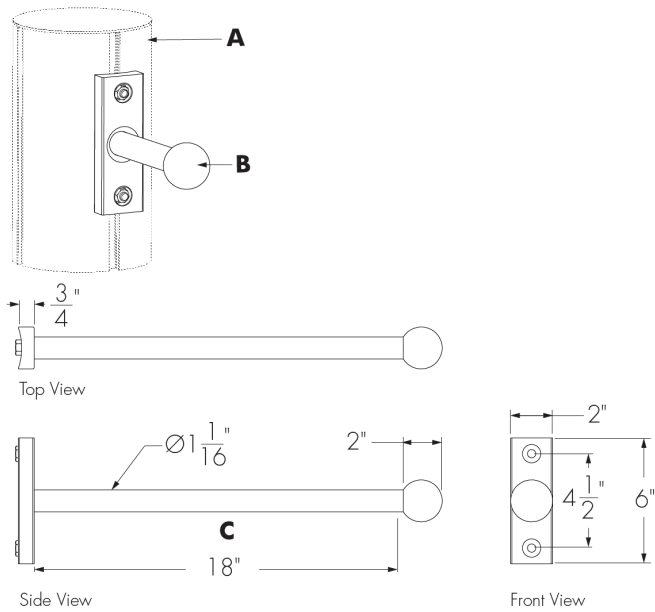
Square 8in



Top View

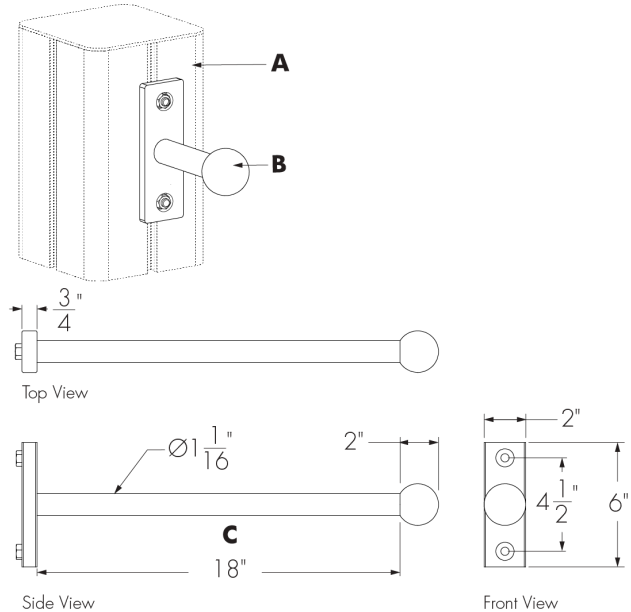
Accessories (Order Separately)

BA - Banner Arm for Round Pole*



- A** - Round Technical Pole
- B** - Banner Arm (mounting hardware included)
- BA-1:** Banner Arm (top only)
- BA-2:** Banner Arm (top and bottom)
- C** - Standard length 18 in (consult factory for any other length requirement)

BA - Banner Arm for Square Pole*

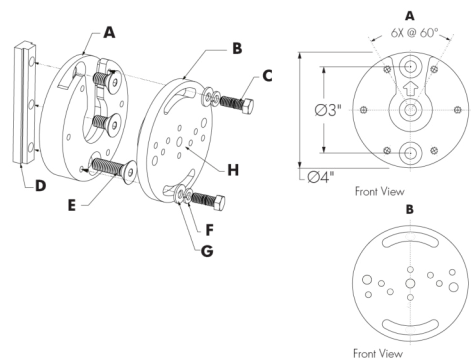


- A** - Square Technical Pole
- B** - Banner Arm (mounting hardware included);
- BA-1:** Banner Arm (top only)
- BA-2:** Banner Arm (top and bottom)
- C** - Standard length 18 in (consult factory for any other length requirement)

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

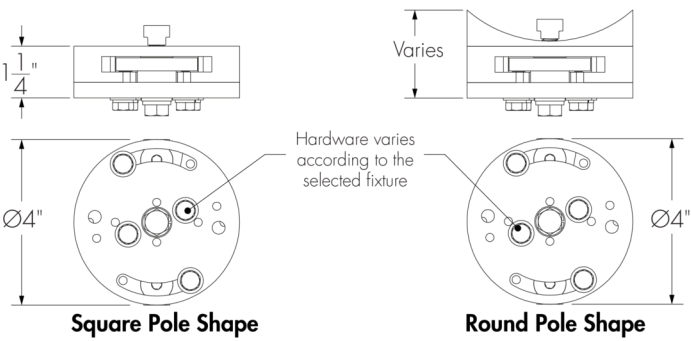
Consult Banner Arm specification sheet for details.

PLTU - Universal Yoke*



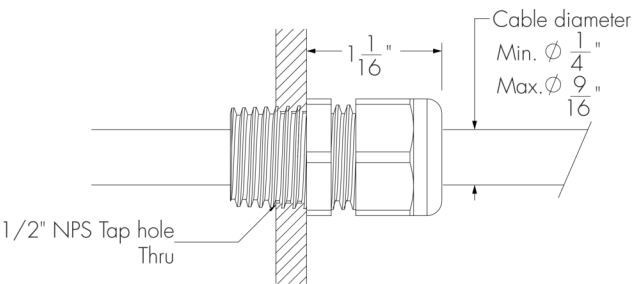
Allows for the easy installation, as well as the full rotation and pivoting, of luminaires and accessories. Greatly enhances and increases lighting design flexibility.

- 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 - Skate
- E - (3X) 3/8-16 Bolts
- F - (2X) Lock Washer
- G - (2X) Flats Washer
- H - For 3/8-16 or 1/4-20 Bolts (included when ordered with a Lumenbeam products, refer to Drilling Pattern of installation instruction for more details)



*Specify weight and dimensions of your own accessories in Ordering specifications section.
Consult Universal Yoke specification sheet for details.

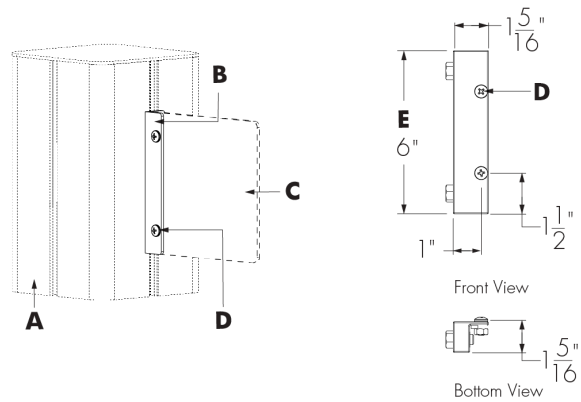
PG - Pressure Gland



- A - Pole Wall
- B - Pressure Gland
- C - Cable (by others)

Consult Pressure Gland specification sheet for details.

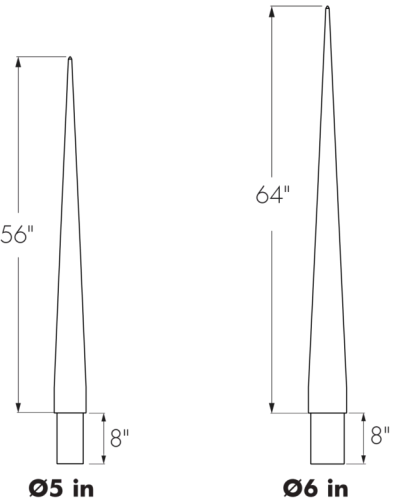
SSH - Street Sign Holder*



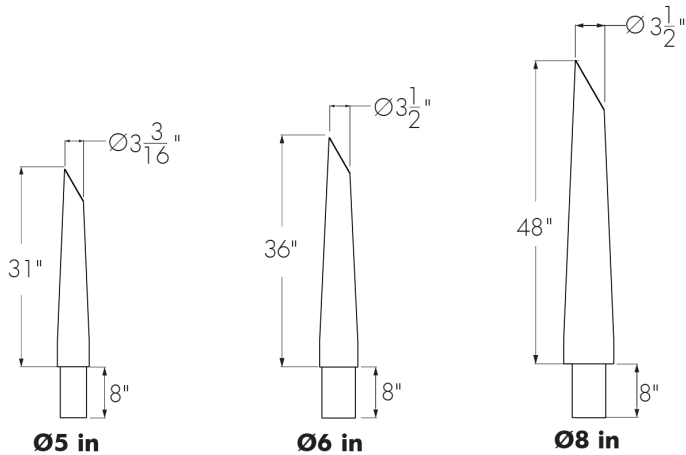
- A - Technical Pole (Square Shape Shown)
- B - Street Sign Holder (mounting hardware included)
- C - Street Sign (provided by others)
- D - (2X) 1/4-20 Bolt (included)
- E - Standard height of 6 in (consult factory for other height requirement)

* Specify the dimensions of the panel to be installed on the Street Sign Holder and the height and orientation of installation in the Ordering Specifications section.
Consult Street Sign Holder specification sheet for details.

NDL - Spiked Needle



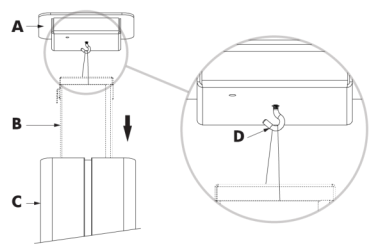
NDL-BV - Beveled Needle



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

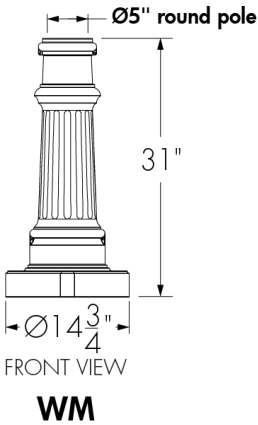
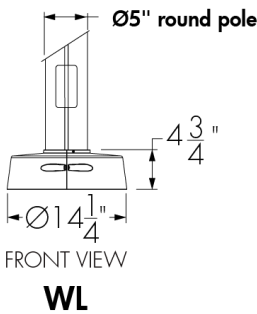
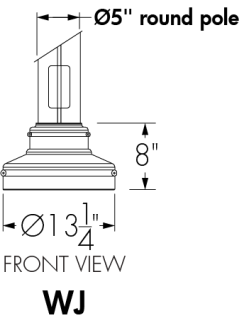
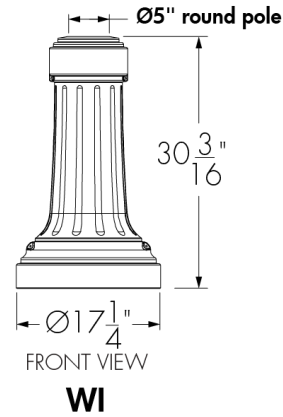
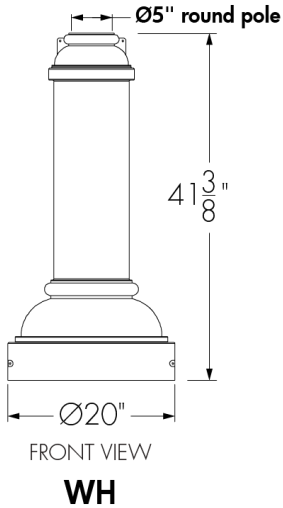
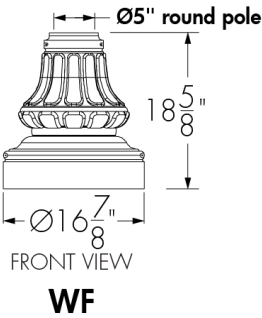
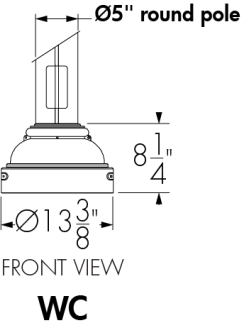
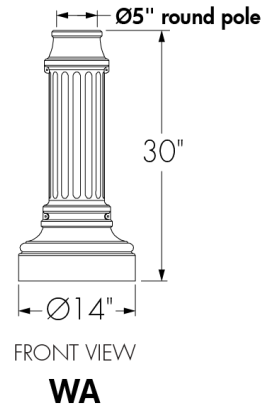
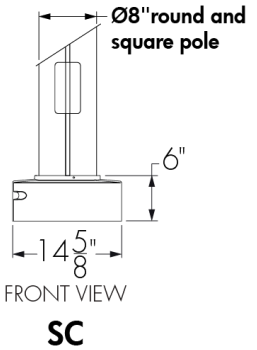
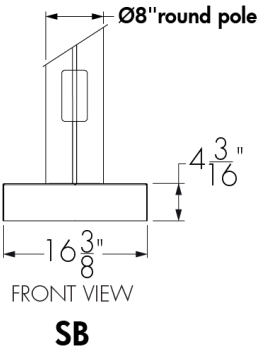
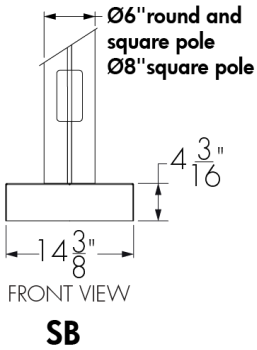
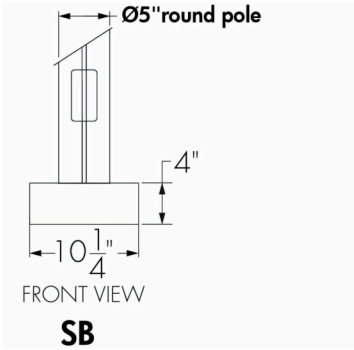
Accessories (Optional, Specify in Order Code)

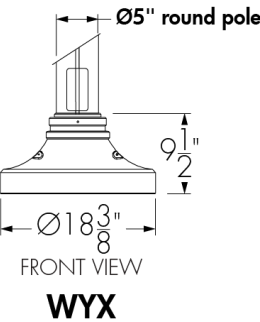
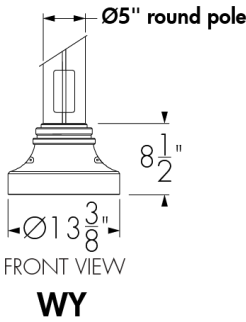
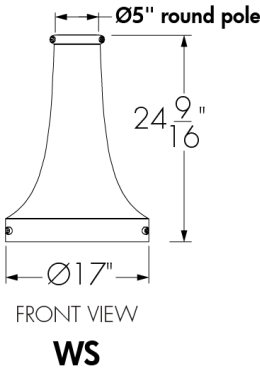
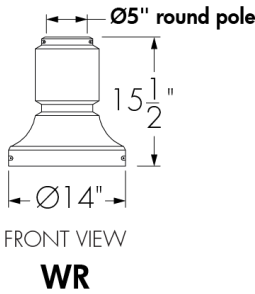
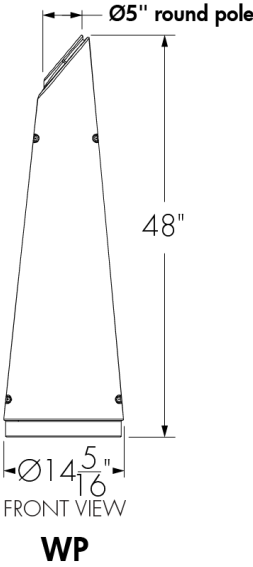
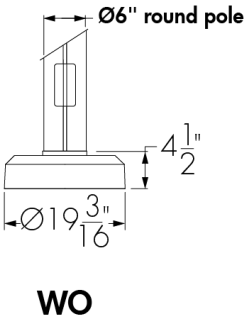
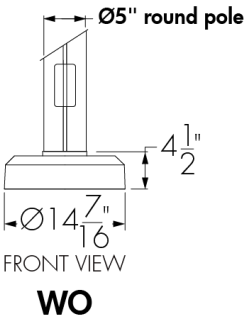
HK - Hook



- A - Cap (included)
- B - Vertical control box (consult factory)
- C - Technical pole (square shape shown, see interior dimensions section for available space)
- D - Hook

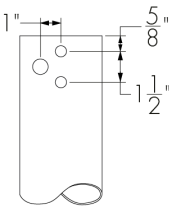
Base Cover Options Dimensions



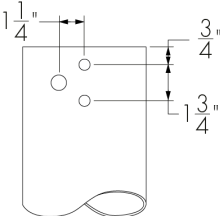


Pole Top Options Details

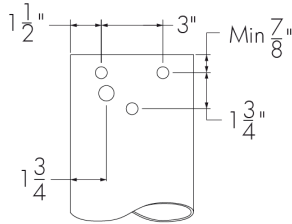
BLDS-S1E ^[1], BLDS-S2E ^[2], BLDS-S1E-3GV ^[1] and BLDS-S2E-3GV ^[2] - Drilling pattern for Lumenblade Small ^[3]



BLDM-S1E ^[1] and BLDM-S2E ^[2] - Drilling pattern for Lumenblade Medium ^[3]

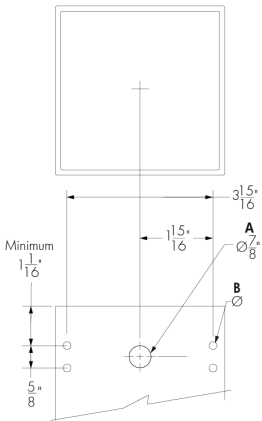


BLDM-S1E-3GV ^[1] and BLDM-S2E-3GV ^[2] - Drilling Pattern For Lumenblade Medium ^[3]



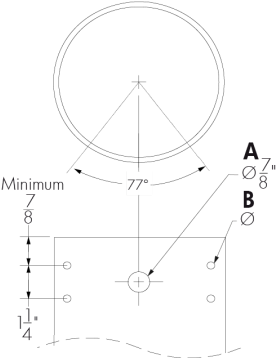
[1] Standard orientation for **S1E** configuration is 0° (access door)
[2] Standard orientation for **S2E** configuration is 180° from access door.
[3] Flat cap included.

SPA6N, SPA6TN, SPA8N and SPA8TN



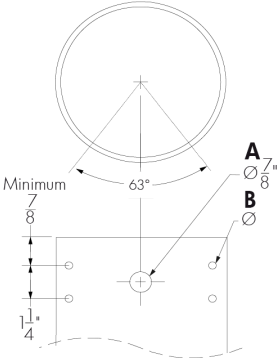
6 in or 8 in Square pole mount.

BLDN-RPA6N Round Pole Adapter for Ø6 in Pole



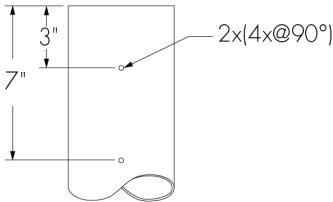
6 in Ø Round pole mounting

RPA8N And RPA8TN



8 in Ø round pole mounting.

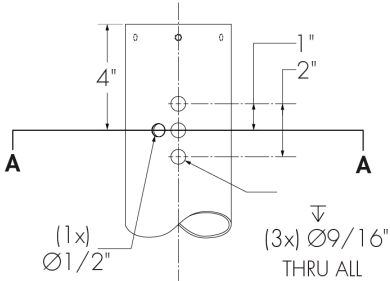
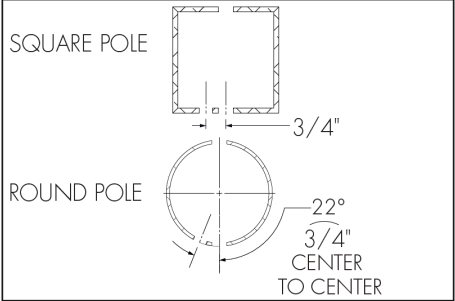
BRK - Drilling Pattern For Decorative Arms and Pole
Top Accessories [4]



[4] Consult Decorative Arm and Needle specification sheets for more details.

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

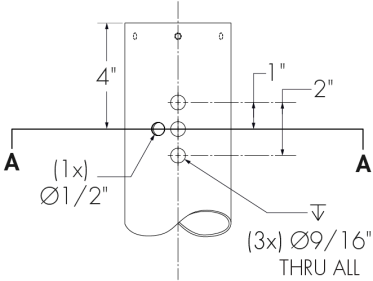
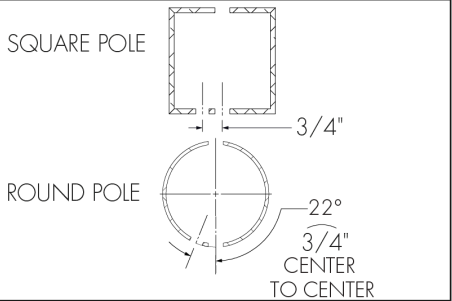
A-A SECTION



ORIENTATION: 0°

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

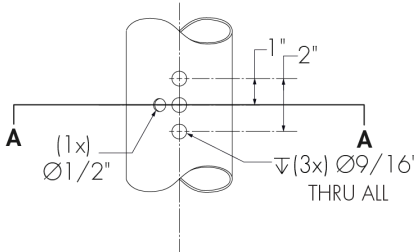
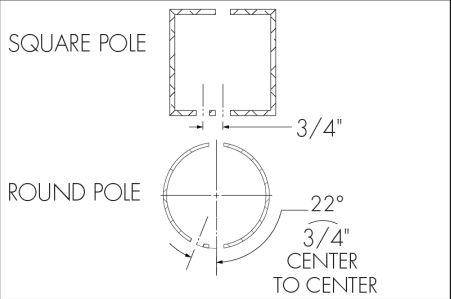
A-A SECTION



ORIENTATION: 270°

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

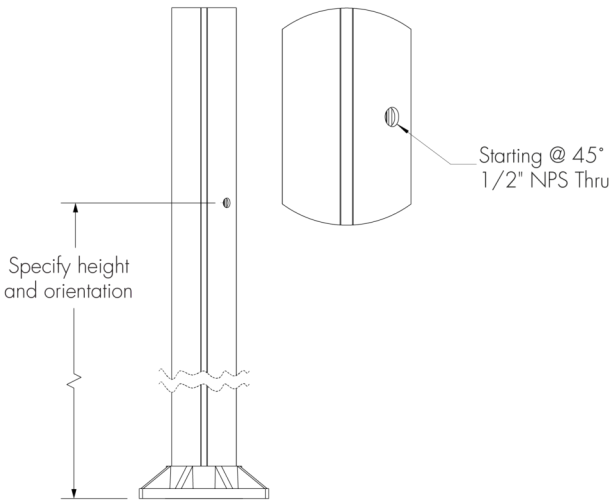
A-A SECTION



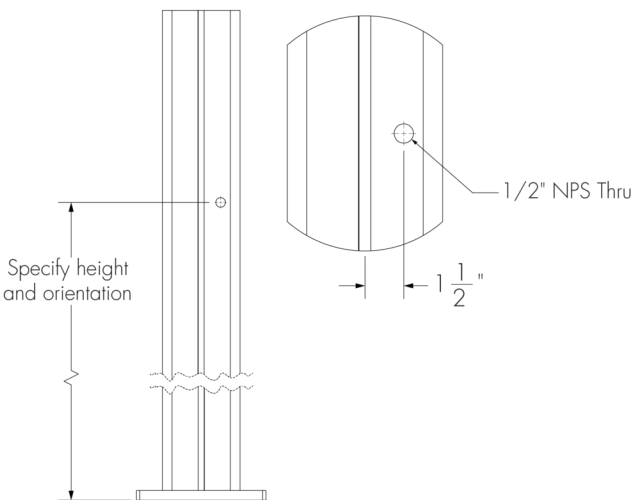
Pole Accessory Drilling Patterns

PG - Pressure Gland Drilling Pattern

Round Pole Shape

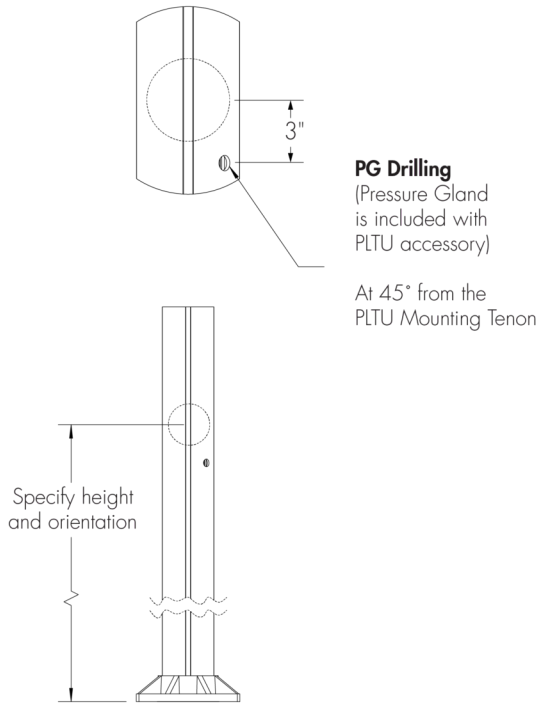


Square Pole Shape

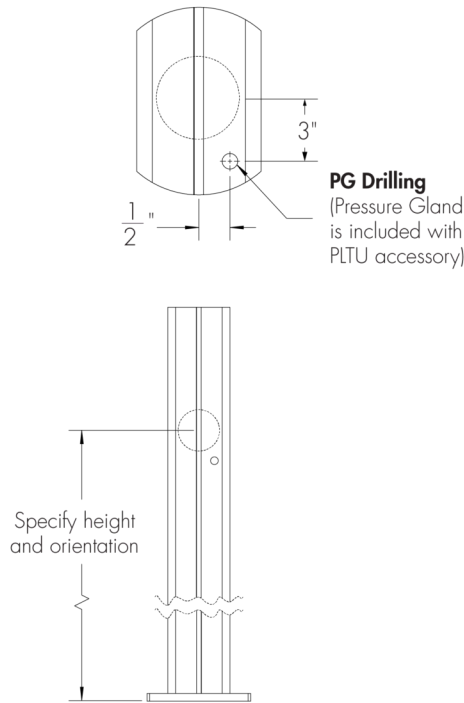


PLTU - Universal Yoke Drilling Pattern

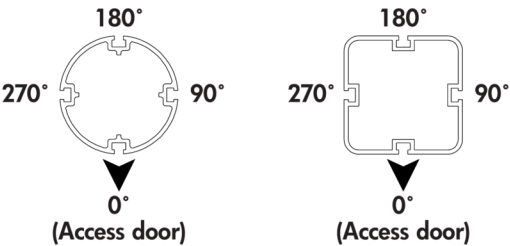
Round Pole Shape



Square Pole Shape



Ordering Specifications
(Specifications Are Used For EPA Calculations)*



	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.

Compatible Lumenpulse Products

(Order Separately, Consult Related Specification Sheets for Details)

1. **LBS** - Lumenbeam Small

2. **LBM** - Lumenbeam Medium

3. **LBL** - Lumenbeam Large

4. **LBG** - Lumenbeam Grande

5. **LBX** - Lumenbeam LBX

6. **LQL** - Lumenquad Large
7. **LQG** - Lumenquad Grande

8. **PUR100** - Pure 100

9. **LIAM** - Lumenicon Area Medium

10. **BLDS** - Lumenblade Small

11. **BOLDM** - Lumenblade Medium

How to Order

Pole	Dimensions	Shapes	Height	Finish	Base Cover Options
PL-T Lumentech Pole	5 5 in	R Round	10 10 ft	BK Black Sandtex®	SB Square Base Cover SB for 5 in, 6 in and 8 in Pole. ⁽⁴⁾
	6 6 in	S Square	11 11 ft	BRZ Bronze Sandtex®	SC Square Base Cover SC for 8 in Pole ⁽⁴⁾
	8 8 in		12 12 ft	SI Silver Sandtex®	WA Round Base Cover WA for 5 in Pole ⁽⁵⁾
			13 13 ft	WH Smooth White	WC Round Base Cover WC for 5 in Pole ⁽⁵⁾
			14 14 ft	BKTX Textured Black	WF Round Base Cover WF for 5 in Pole ⁽⁵⁾
			15 15 ft	BRZTX Textured Bronze Non-Metallic	WH Round Base Cover WH for 5 in Pole ⁽⁵⁾
			16 16 ft	GRATX Textured Medium Gray	WI Round Base Cover WI for 5 in Pole ⁽⁵⁾
			17 17 ft	GRNTX Textured Green	WJ Round Base Cover WJ for 5 in Pole ⁽⁵⁾
			18 18 ft	CC Custom Color & Finish ^{(1) (2) (3)}	WL Round Base Cover WL for 5 in Pole ⁽⁵⁾
			19 19 ft		WM Round Base Cover WM for 5 in Pole ⁽⁵⁾
			20 20 ft		WO Round Base Cover WO for 5 in and 6 in Pole ⁽⁵⁾
			21 21 ft		WP Round Base Cover WP for 5 in Pole ⁽⁵⁾
			22 22 ft		WR Round Base Cover WR for 5 in Pole ⁽⁵⁾
			23 23 ft		WS Round Base Cover WS for 5 in Pole ⁽⁵⁾
			24 24 ft		WY Round Base Cover WY for 5 in Pole ⁽⁵⁾
			25 25 ft		WYX Round Base Cover WYX for 5 in Pole ⁽⁵⁾
			26 26 ft		
			27 27 ft		
			28 Maximum Height 28 ft		

Notes:

1. 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.
2. Setup charges apply for RAL colors. Consult factory for details.

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

4. Available with round and square pole.

5. Available with round pole only.

How to Order

Pole Top Options ⁽⁴⁾	Option	Anchor Bolts Option
BLDS-S1E Simple Drilling Pattern for Lumenblade Small ⁽⁷⁾ BLDS-S2E Double Drilling Pattern for Lumenblade Small ⁽⁷⁾ BLDM-S1E Simple Drilling Pattern for Lumenblade Medium ⁽⁷⁾ ⁽⁸⁾ BLDM-S2E Double Drilling Pattern for Lumenblade Medium ⁽⁷⁾ ⁽⁸⁾ BLDM-S1E-3GV Simple Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽⁸⁾ BLDM-S2E-3GV Double Drilling Pattern for Lumenblade Medium (for 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications) ⁽⁸⁾ 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) 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-RPA8 Simple Drilling Pattern For Lumenblade Nano, 8 in Lumentech Round Pole BLDN-S2E-RPA8 Double drilling pattern for Lumenblade Nano, 8 in Lumentech round pole BLDN-S1X-RPA8 Variable Height Drilling Pattern For Lumenblade Nano, 8 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 BLDN-S1E-SPA8 Simple Drilling Pattern For Lumenblade Nano, 8 in Lumentech Square Pole BLDN-S2E-SPA8 Double drilling pattern for Lumenblade Nano, 8 in Lumentech square pole BLDN-S1X-SPA8 Variable Height Drilling Pattern For Lumenblade Nano, 8 in Lumentech Square Pole BRK Drilling Pattern for Decorative Arms and Pole Top Accessories SPKH-S1E Simple Drilling Pattern for Lumenspoke Small with SPKH4 Arm Style on Top of the Pole ⁽⁷⁾ ⁽⁹⁾ SPK-S1X Simple Drilling Pattern for Lumenspoke Small with SPKS4 and SPKH4 Arm Style at Variable Height ⁽⁹⁾ ⁽¹⁰⁾ SPKS-S1E Simple Drilling Pattern for Lumenspoke Small with SPKS4 Arm Style on Top of the Pole ⁽⁷⁾ ⁽⁹⁾	DRG Ground Fault Duplex Receptacle ⁽¹¹⁾ ⁽¹²⁾ DRG IU Ground Fault Duplex Receptacle (While in Use) ⁽¹¹⁾ TP Tamper-Proof Screws CRC Corrosion-Resistant Coating ⁽¹³⁾ PG Pressure Gland Drilling Pattern ⁽¹⁴⁾ PLTU Universal Yoke Drilling Pattern ⁽¹⁴⁾ HK Hook ⁽¹⁵⁾ VD Vibration Dampener ⁽¹⁴⁾ ⁽¹⁶⁾	AB Anchor Bolts ⁽¹⁷⁾

Notes:

- 6.** Not available for 8 in round poles.

7. Flat Cap included.

8. Available with 6 in and 8 in pole dimensions only.

9. Consult factory for availability with 8 in Lumentech Poles.

10. Consult factory for availability.

11. Not available with 6 in square pole.

12. 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.
- 13.** Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

14. Consult factory for details.

15. Not available with Pole Top Options.

16. 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.

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