

lumenpulse™



Area Pole Guide  
CSA Standards

Let us help you meet your area needs by taking into account the natural elements for each geological region.

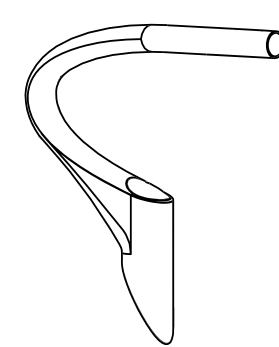
The Area Pole Guide: CSA Standards is an industry reference tool that will help you choose your area poles, pole arms, accessories, and luminaires that best suit your project and EPA requirements.

<b>02</b>	Configuring Your Builds	<b>20</b>	Luminaire EPA Tables
<b>04</b>	Junction Compatibility Diagram	<b>22</b>	Decorative Arm and Banner EPA Tables
<b>06</b>	Product Code Alignment	<b>24</b>	CSA Wind Pressure Tables
<b>08</b>	Luminaire and Decorative Arm Compatibility	<b>30</b>	Straight Pole EPA Guide
<b>10</b>	Luminaire and Decorative Pole Compatibility	<b>54</b>	Muffler Pole EPA Guide
<b>12</b>	Decorative Arm and Pole Compatibility	<b>76</b>	Lumentech Smart Pole EPA Guide
<b>14</b>	EPA Pole Guide	<b>90</b>	Finishes
<b>16</b>	Pole Basics	<b>91</b>	Pole Packaging
<b>18</b>	How to Calculate EPA	<b>93</b>	Conditions and References

# Configuring Your Builds

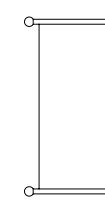
There are several factors to consider when choosing the right area products for your projects. Once you have chosen a variant of the components shown on the opposite page, you can use this guide to help you calculate if the area modules you have decided on are the safest fit for your region and design.

THIS GUIDE IS FOR REFERENCE PURPOSES ONLY.  
ALL AREA COMPONENT INSTALLATIONS NEED TO BE VALIDATED BY A QUALIFIED ENGINEER.



- 1 Select your Lumenpulse outdoor **area luminaire**.
- 2 Pick a **decorative arm** that suits your project's design needs.

3



Add **accessories** and choose **options** to make your project stand out.

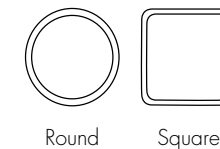
4

Calculate the EPA for your luminaire, decorative arm, and accessories.

5

Choose the right pole that meets or exceeds the EPA calculations done in Step 4. Options to consider:

#### Select Shape



Round Square

#### Choose Material



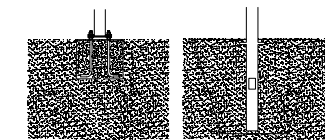
Aluminium Steel

#### Choose Pole Height



Up to 30 ft

#### Choose Installation Type



Standard Direct Burial

Up to 30 ft

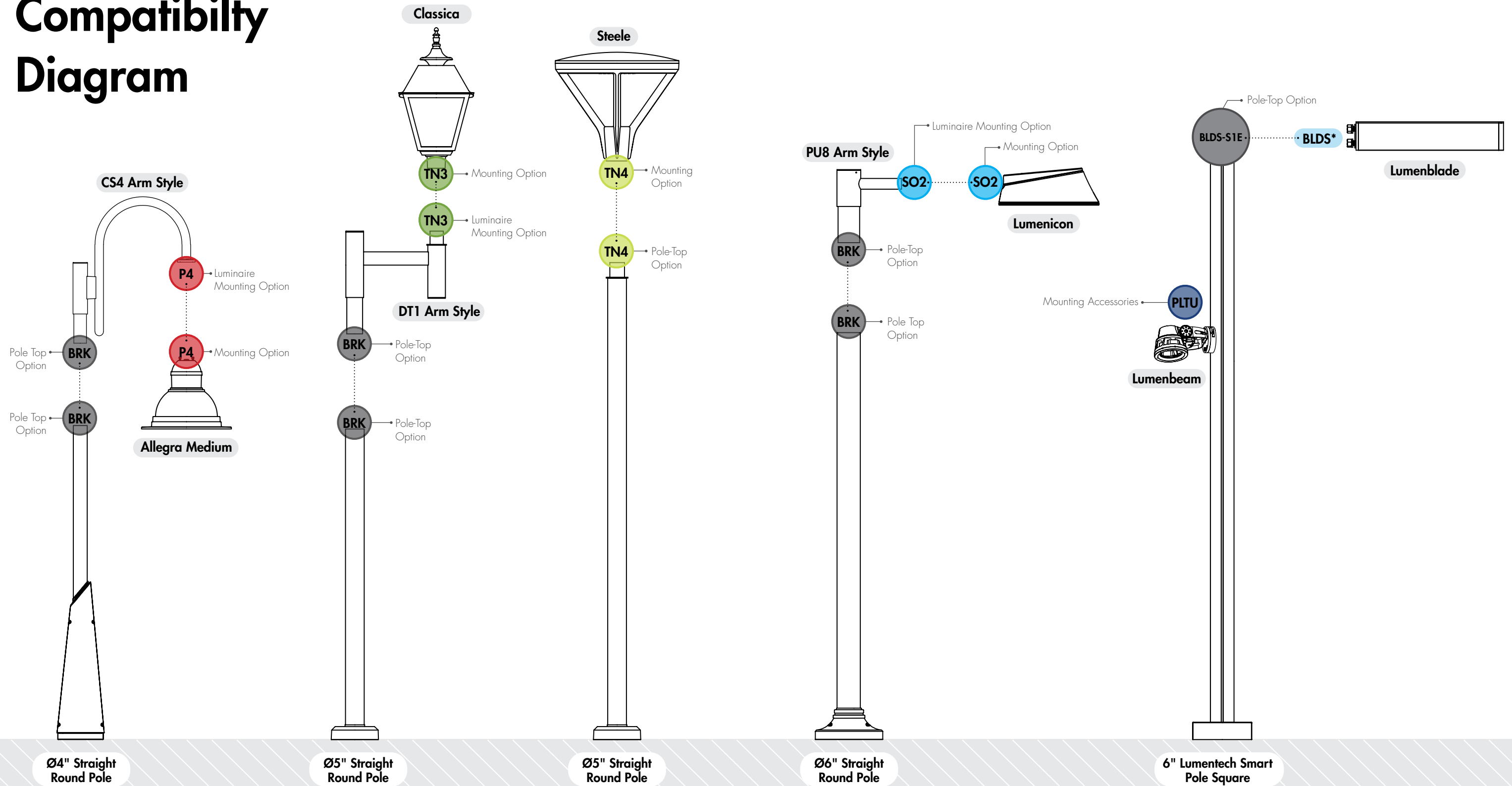
Standard

Direct Burial

<sup>(1)</sup> Direct Burial is available for Straight Poles only. Maximum height of 16 ft for Ø4 in and Ø5 in aluminum poles or Ø4 in steel poles. Maximum height of 26 ft for Ø6 in aluminum poles or Ø5 in and Ø6 in steel poles.

<sup>(2)</sup> These steps are suggestions only. Each variant can affect total EPA. Please verify with a qualified engineer before installation.

# Junction Compatibility Diagram



## Pendant-Mount Luminaires

Pendant-Mount Luminaires always need a Decorative Arm to be mounted on a Decorative Pole.

## Top-Mount Luminaires

Top-Mount luminaires are mounted on Decorative Arms.

## Post-Top-Mount Luminaires

Post-Top Mount luminaires are mounted directly on Decorative Poles.

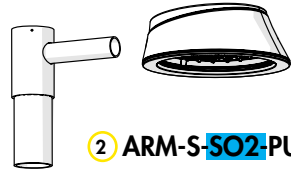
## Side-Mount Luminaires

Side-Mount luminaires can be mounted on Decorative Arms or directly onto Decorative Poles.

\*SPA6T A Pole Mounting Adaptor is required for Lumenblade Small when combined with a Lumentech Smart Pole 6" Square.



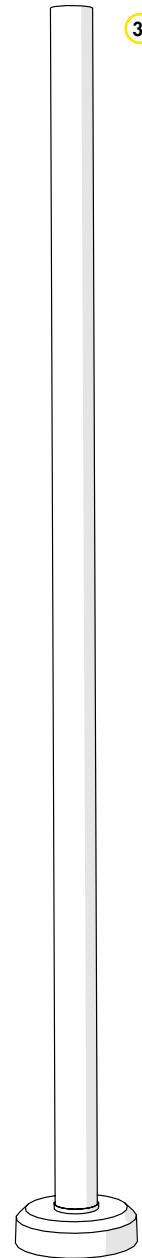
# Product Code Alignment



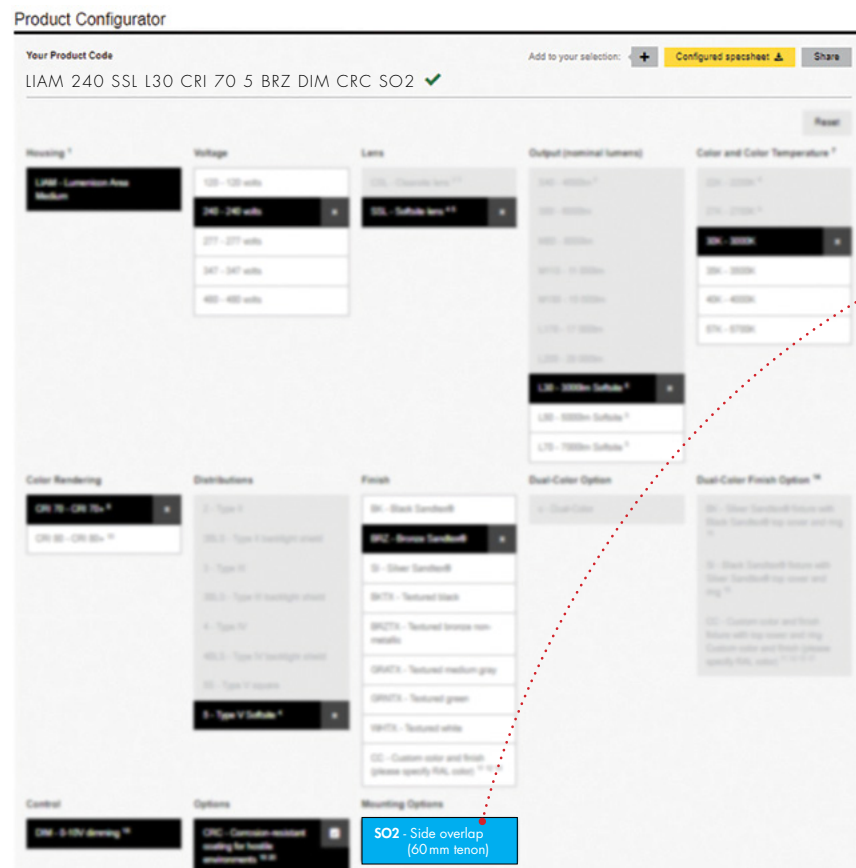
① LIAM-240-SSL-L30-30K-CRI 70-5-BRZ-DIM-CRC-**SO2**

② ARM-S-**SO2**-PU8-S1E-4-R-L-BRK-BRZ-CRC

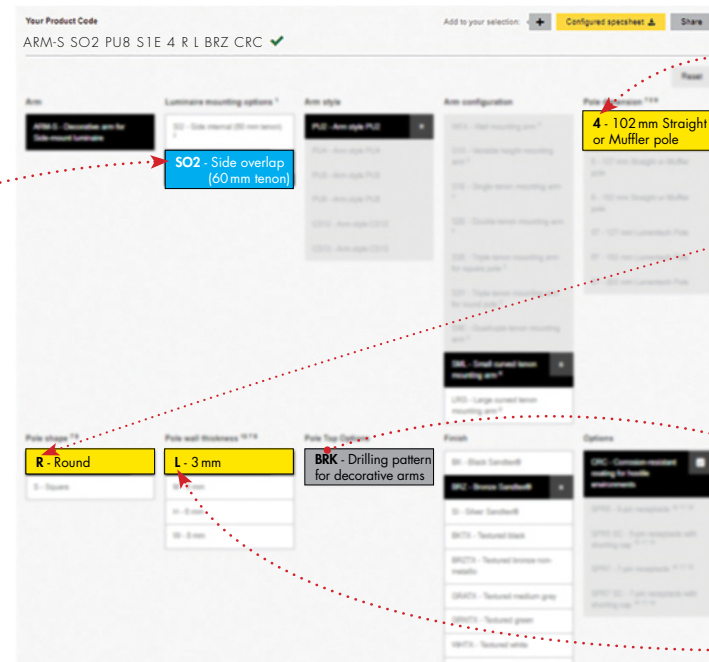
③ PL-S-4-AL-R-16-L-BRZ-WO-BRK-DRG-AB



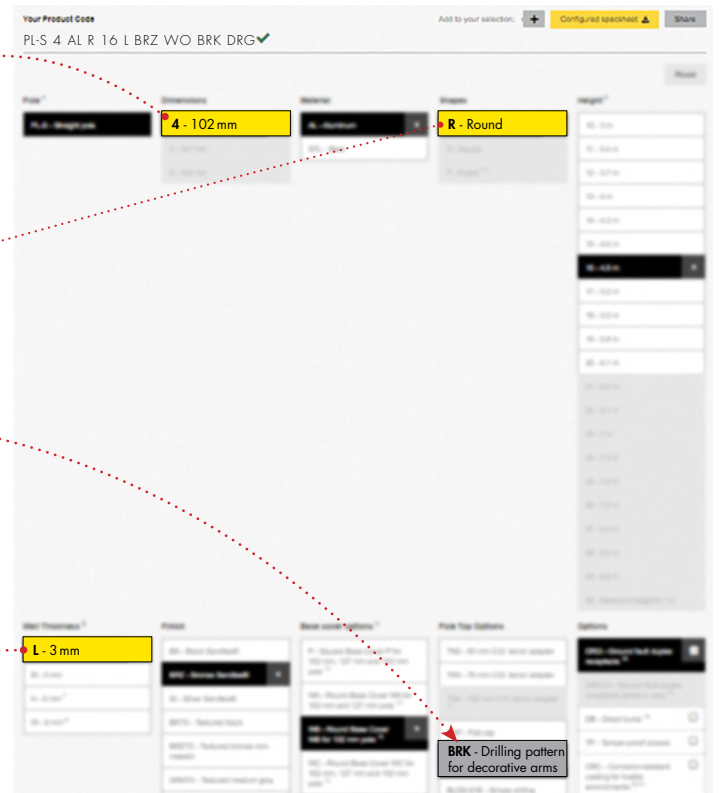
① Configure your area luminaire and take note of your **Mounting Option Code: SO2**.



② Match the **Side-Mount Decorative Arm** with the luminaire's **Mounting Option Code: SO2**.




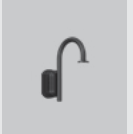
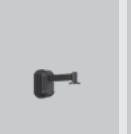


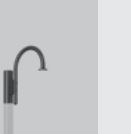
③ Configure the **Decorative Pole** for your project and make sure that the **Decorative Arm** is properly configured (**4 Pole Dimensions/R Shape/L Wall Thickness**).

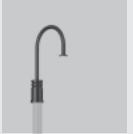

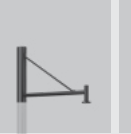
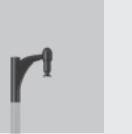


# Luminaire and Decorative Arm Compatibility


## Pendant-Mount Fixture      Arm Style      Mounting Options


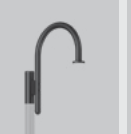



 Allegra Small


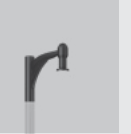
 CM0   
  DM0   
  DT6   
  CS2   
  CS4

 CS6   
  CS12   
  CS13   
  MC5

**P3**  
Pendant Small  
3 Bolts


 Allegra Medium



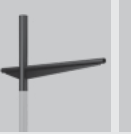


 CS2   
  CS4   
  DT6   
  CS6   
  CS12



 CS13   
  MC5

**P4**  
Pendant Medium  
4 Bolts


## Side-Mount Fixture      Arm Style      Mounting Options






 Pure100

 PU2-SML   
  PU2-LRG   
  PU4   
  PU5   
  PU8

 CS12   
  CS13

**SI2**  
Side Internal  
2 3/8 in


 Allegra Medium\*






 PU2-LRG   
  PU4   
  PU5   
  CS12   
  CS13



**SI2**  
Side Internal  
2 3/8 in

\* SI2 Tenon Adaptor included with Allegra Medium SI2 mounting option.

## Side-Mount Fixture      Arm Style      Mounting Options


 Lumenicon Area Medium


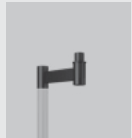

 PU2-SML   
  PU2-LRG   
  PU4   
  PU5   
  PU8

 CS12   
  CS13


**SO2**  
Side Overlap  
2 3/8 in


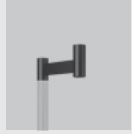

## Top-Mount Fixture      Arm Style      Mounting Options

 Prestigia


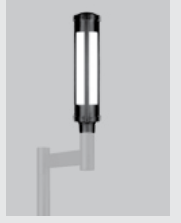
 DT1\*   
  DT6   
  MC1\*


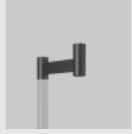

**TN3**  
Tenon 3 in

 Classica


 DT1\*   
  DT6   
  MC1\*


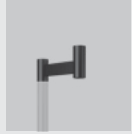
**TN3**    **TN4**  
Tenon 3 in    Tenon 4 in

 Pure TV-Y   
  Element Post-Top

 DT1   
  DT6   
  MC1

**TN4**  
Tenon 4 in

 Steele


 DT1   
  DT6

**TN4**  
Tenon 4 in

\* Some limitations may apply.

# Luminaire and Decorative Pole Compatibility

## Post-Top-Mount Luminaire Mounting Option Pole-Top Option




Classica Prestigia

Decorative Pole Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S										
PL-M	TN3		N/A		TN3		N/A		TN3	
PL-T										

Tenon 3 in




Classica Pure TV-Y

Decorative Pole Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S										
PL-M	TN4		N/A		TN4		N/A		TN4	
PL-T										

Tenon 4 in



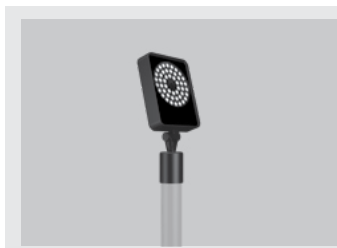
Steele Element Post-Top

Decorative Pole Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S										
PL-M	TN4		N/A		TN4		N/A		TN4	
PL-T										

Tenon 4 in

\*TN4 pole-top option not required with 4" round pole.



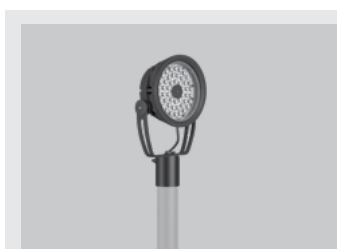
Lumenquad Family

Decorative Pole Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S										
PL-M	TN4		N/A		TN4		N/A		TN4	
PL-T										

Tenon 4 in

## Post-Top-Mount Luminaire Mounting Accessories Pole-Top Option




Lumenbeam Family

Decorative Pole Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S										
PL-M	LBSTN4 LBMTN4 LBNTN4		N/A		LBSTN4 LBMTN4 LBNTN4		N/A		LBSTN4 LBMTN4 LBNTN4	
PL-T										

Tenon 4 in

## Side-Mount Luminaire Mounting Option Pole-Top Option




Pure 100

Decorative Poles Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S	PU1-S1X-4R PU1-S1E-4R	PU1-S1X-5R PU1-S1E-5R							PU1-S1X-4R PU1-S1E-4R	PU1-S1X-5R PU1-S1E-5R
PL-M			N/A							
PL-T										

N/A  
No pole-top option required



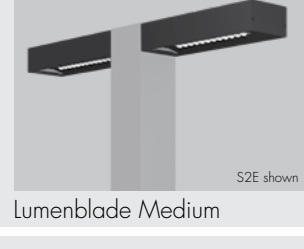
Lumenblade Small

Decorative Pole Compatibility

Pole	Round				Square			
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"
PL-S								
PL-M	RPA4S	RPA5S	RPA6S		SPA4	SPA5	SPA6	
PL-T	N/A	RPA5TS	RPA6TS		N/A	N/A	SPA6T	

BLDS-S1E  
Simple drilling pattern for Lumenblade Small

BLDS-S2E  
Double drilling pattern for Lumenblade Small




Lumenblade Medium

Decorative Pole Compatibility

Pole	Round				Square			
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"
PL-S			RPA6M					
PL-M	N/A	N/A	RPA6M	N/A	N/A	N/A	SPA6	N/A
PL-T			RPA6TM				SPA6T	

BDM-S1E  
Simple drilling pattern for Lumenblade Medium

BDM-S2E  
Double drilling pattern for Lumenblade Medium




Lumenblade Nano

Decorative Pole Compatibility

Pole	Round				Square			
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"
PL-S			RPA6M					
PL-M	N/A	N/A	RPA6M	RPA8N	N/A	N/A	SPA6	SPA8N
PL-T			RPA6TM	RPA8TN			SPA6T	SPA8TN

BLDN-S1E  
Simple drilling pattern for Lumenblade Nano

BLDN-S2E  
Double drilling pattern for Lumenblade Nano




Lumenquad Family

Decorative Pole Compatibility

Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S	PM4-1 PM4-2 PLTU	PM5-1 PM5-2 PLTU							PM4-1 PM4-2	PM5-1 PM5-2
PL-M	PM4-1 PM4-2 PLTU	PM5-1 PM5-2 PLTU							PM4-1 PM4-2	PM5-1 PM5-2
PL-T										

N/A  
No pole-top option required














































































Lumenbeam Family

Decorative Pole Compatibility































Pole	Round				Square				Fluted	
	Ø4"	Ø5"	Ø6"	Ø8"	4"	5"	6"	8"	Ø4"	Ø5"
PL-S	PM4-1 PM4-2 PLTU	PM5-1 PM5-2 PLTU							PM4-1 PM4-2	PM5-1 PM5-2
PL-M	PM4-1 PM4-2 PLTU	PM5-1 PM5-2 PLTU							PM4-1 PM4-2	PM5-1 PM5-2
PL-T										

N/A  
No pole-top option required

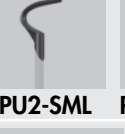



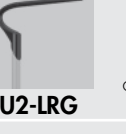


















































# Decorative Arm and Decorative Pole Compatibility

Pendant-Mount Arm Style	Decorative Pole Compatibility			Pole-Top Option
	4" Pole	5" Pole	6" Pole	
CS2 	  	  	 	
CS4 	  	  	 	
CS6-S1E  S1E Configuration 4" pole 5" pole   No pole-top option required	 	 	N/A	 No pole-top option required with S1E 4" pole
CS6-S2E  S2E Configuration 	 	 	N/A	
CS12 	  	  	 	
CS13 	  	  	 	
DT6 	  	  	 	
MC5 	  	  	 	

 Round Pole     Fluted Pole     Square Pole

Top-Mount Arm Style	Decorative Pole Compatibility			Pole-Top Option
	4" Pole	5" Pole	6" Pole	
DT1 	  	  	 	
DT6 	  	  	 	
MC1 	  	  	 	

Side-Mount Arm Style	Decorative Pole Compatibility			Pole-Top Option
	4" Pole	5" Pole	6" Pole	
PU2-SML 	 	N/A	N/A	 No pole-top option required
PU2-LRG 				
PU4 	  	  	 	
PU5 	  	  	 	
PU8 	  	  	 	
CS12 	  	  	 	
CS13 	  	  	 	





# EPA Pole Guide

## Built to Withstand the Elements



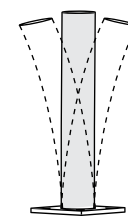
Designed to resist the elements, such as wind, ice, and extreme locations, our poles are engineered to support luminaires through most types of weather.

To ensure their success, the appropriate Effective Projected Area (EPA) calculation helps make the installation of area lighting safe and to increase the longevity of a lighting installation.

The EPA is a coefficient that determines how much force a luminaire can apply to its mounting brackets or pole at a given wind velocity. This value is used in combination with a luminaire's weight to determine the mounting requirements for a particular application.

## Special Considerations

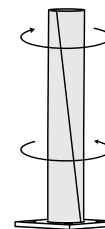
Lumenpulse offers a number of solutions that tackle special considerations and conditions not included in standard EPA calculations. To learn more, please consult a Lumenpulse representative. Some additional factors that influence the stability of a pole installation:



**Vibration**



**Flat and Open Spaces**



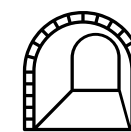
**Torsion**



**Height of Installation Above Ground**



**Wall Thickness**

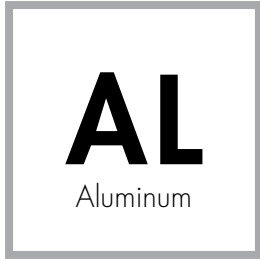


**Tunnel Effect**

# Pole Basics

## ALUMINUM vs STEEL

### WHY CHOOSE ONE OVER ANOTHER?



### Aluminum Poles

- Light weight
- Ease of machining
- Ease of manufacturing
- Superb corrosion resistance
- Highly recyclable



### Steel Poles

- Recommended for high/extreme wind situations
- Recommended for taller heights
- Greater load-bearing capacity
- Greater vibration resistance

## Anchorage Details

### Anchor Bolts

Anchor bolts are used to secure poles into concrete foundations. The listed EPAs are calculated using the Lumenpulse Anchor Bolts supplied with each pole product. The use of anchor bolts outside to those provided by Lumenpulse can alter the EPA and compromise the stability of a pole's installation. The nuts of each anchor bolt must be tightened to the listed torque requirement.

### Template

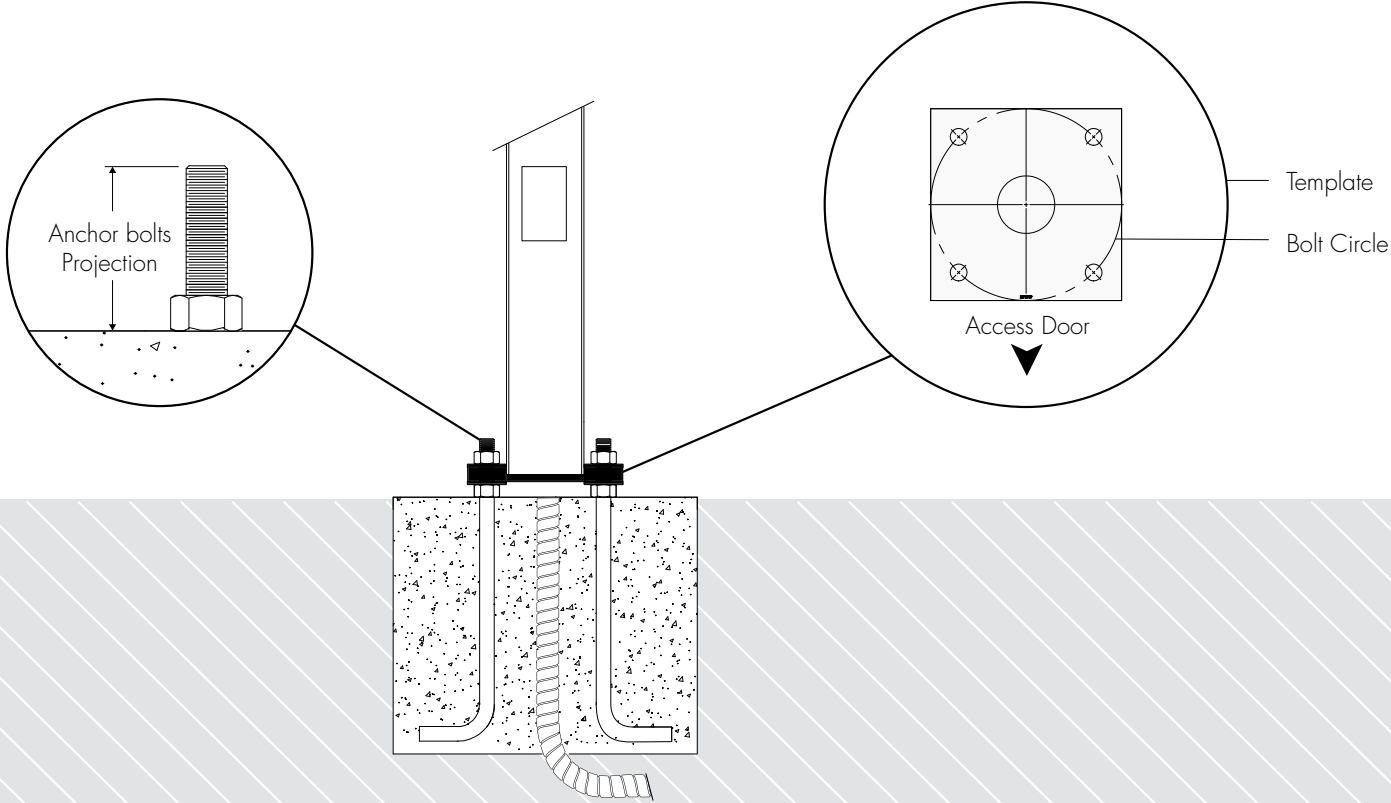
An Anchor Bolt Template is included with each set of five poles. This template is needed to install anchor bolts that will coincide with the pole base layout. The template must be removed prior to pole installation. Special attention must be paid when using the template so as to account for the orientation of the pole's access door.

### Anchor Bolt Projection

An anchor bolt's overall projection is an important consideration when securing a pole. Anchor bolts with a short projection can leave insufficient space to properly secure the pole base. An anchor bolt with too much projection can cause bending stress and can prevent the proper installation of the base cover.

### Bolt Circle Diameter

The position of the bolt cut-outs on the lazer-cut template need to be confirmed before pouring concrete. This is to ensure that the template coincides with the pole base layout.



### Factors That Influence Maximum EPA Load

**Dimensions:** Available in 4, 5, 6, and 8 in diameters (maximum height can vary).

**Shapes:** Available in round, square, and fluted.

## How to Calculate EPA

The geographic location of the project will determine your maximum EPA. To determine your maximum EPA, please consult the Canadian Standards Association (CSA) Wind-Pressure Tables to help find the maximum EPA in various Canadian regions.

Calculate the EPA for each combination of luminaire, pole, decorative arm, and accessory using the method shown (the EPA of all our products can also be found in the product's specification sheet).

Correlate each pole's dimensions (height, material, shape, and thickness) with the acceptable EPA according to the CSA Wind-Pressure Table.

- Find the total EPA of your luminaire including all components such as decorative arm, banners, flowerpots, cameras, etc.

Type	Model	Qts.	EPA	Weight	Total EPA	Total Weight
Luminaire	LIAM	2	0.43 sq. ft.	32 lbs.	0.86 sq. ft.	64 lbs.
Decorative Arm	PU4-S2E	1	5.08 sq. ft.	28 lbs.	5.08 sq. ft.	28 lbs.
Accessories	Banner Arms	2	0.11 sq. ft.	4.13 lbs.	0.22 sq. ft.	8.26 lbs.
Others	18 in. x 36 in. Banner (by others)	1	5.40 sq. ft.	TBD	5.40 sq. ft.	TBD
<b>*Total:</b>					<b>11.56 sq. ft.</b>	<b>100.26 lbs.*</b>

\*Banner weight must be added.

ure, PA for return periods over 50 years by location  
: Find the city for your installation in the Wind Pressure Table. Match the wind  
or example, if the installation is in Jonquiere, Quebec (355 PA), refer to the 40

Manitoba			
Location	50yrs	Location	50yrs
Island Lake	440	Rivers	460
Loc du Bonnet	370	Sandilands	400
Lynn Lake	440	Selkirk	425
Morden	515	Split Lake	490
Neepawa	440	St. Boniface	450
<b>Pine Falls</b>	<b>380</b>	Steinbach	405
Portage la Prairie	465	St. Vital	450

New Brunswick			
Location	50yrs	Location	50yrs
Edmundston	440	Moncton	640
Fredericton	410	Oromocto	500
Gagetown	535	Sackville	585
Grand Falls	415	Saint John	520

Nova Scotia			
Location	50yrs	Location	50yrs

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

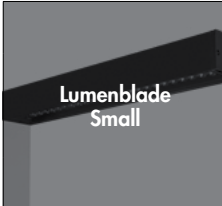
Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)			
			300Pa	400Pa	500Pa	600Pa
4"	10'	L-1/8"	15.71	11.40	8.82	7.09
4"	11'	L-1/8"	13.85	9.95	7.62	6.06
4"	12'	L-1/8"	12.27	8.72	6.59	5.18
4"	13'	L-1/8"	10.91	7.65	5.70	4.40
4"	14'	L-1/8"	9.72	6.71	4.91	3.70
4"	15'	L-1/8"	8.66	5.87	4.19	3.07
4"	16'	L-1/8"	7.72	5.11	3.54	2.50
4"	17'	L-1/8"	6.86	4.41	2.95	
4"	18'	L-1/8"	6.07	3.78	2.40	
4"	19'	L-1/8"	5.35	3.18		
4"	20'	L-1/8"	4.67	2.63		
4"	10'	M-3/16"	22.83	16.74	13.09	10.65
4"	11'	M-3/16"	20.28	14.78	11.48	9.28
4"	12'	M-3/16"	18.14	13.12	10.12	8.11
4"	13'	M-3/16"	16.30	11.70	8.93	7.09
4"	14'	M-3/16"	14.70	10.45	7.90	6.19
4"	15'	M-3/16"	13.30	9.34	6.97	5.39
4"	16'	M-3/16"	12.04	8.35	6.14	4.66
4"	17'	M-3/16"	10.91	7.46	5.38	4.00
4"	18'	M-3/16"	9.88	6.63	4.69	3.39
4"	19'	M-3/16"	8.94	5.88	4.04	2.82
4"	20'	M-3/16"	8.08	5.18	3.44	2.28
4"	10'	H-1/4"	29.14	21.47	16.87	13.81
4"	11'	H-1/4"	25.98	19.00	14.90	12.13
4"	12'	H-1/4"	23.34	17.02	13.23	10.71
4"	13'	H-1/4"	21.08	15.28	11.80	9.48
4"	14'	H-1/4"	19.13	13.76	10.54	8.40


- Select your location on the Wind Pressure Table Page and find the right EPA.


- Round up the Location EPA Data and confirm your choice of pole with the EPA Table Pages. Compare your results depending on height, thickness, or material.


\*This guide is intended as a reference only. Please consult a qualified engineer.


# Luminaire EPA Tables


			S40/S60	M80/M100	L120/L140
	EPA	Without Motion Detector	0.59 sq. ft.	0.88 sq. ft.	1.25 sq. ft.
		With Motion Detector	0.79 sq. ft.	1.07 sq. ft.	1.45 sq. ft.
	Weight	Without Motion Detector	10 lbs.	12.5 lbs.	15 lbs.
		With Motion Detector	12 lbs.	14.5 lbs.	17 lbs.


			S40/S60	M80/M100	L120/L140/L160	XL180/XL200
	EPA	Without Motion Detector	0.69 sq. ft.	1.03 sq. ft.	1.46 sq. ft.	1.90 sq. ft.
		With Motion Detector	0.92 sq. ft.	1.25 sq. ft.	1.69 sq. ft.	2.13 sq. ft.
	Weight	Without Motion Detector	12.5 lbs.	16 lbs.	21 lbs.	25 lbs.
		With Motion Detector	15 lbs.	18.5 lbs.	23.5 lbs.	27.5 lbs.


	EPA	0.43 sq. ft.
	Weight	32 lbs.

		S12 Adaptor (luminaire only)	PU1-S1X (4R+5R)*	PU1-S1E (4R+5R)*	PU1-S2E (4R+5R)*
	EPA	0.43 sq. ft.	0.86 sq. ft.	1.16 sq. ft.	1.46 sq. ft.
	Weight	30 lbs.	33.5 lbs.	37.3 lbs.	71 lbs.

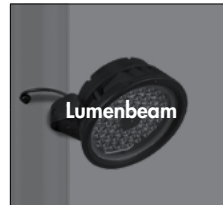
		Pure T	Pure V	Pure Y
	EPA	Up to 1.33 sq. ft.	Up to 1.37 sq. ft.	Up to 1.31 sq. ft.
	Weight	Up to 40 lbs.	Up to 40 lbs.	Up to 40.5 lbs.


		Small	Medium
	EPA	0.5 sq. ft.	1.13 sq. ft.
	Weight	Up to 14 lbs.	Up to 35 lbs.

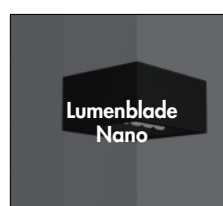
	EPA	2.57 sq. ft.
	Weight	41 lbs.

	EPA	3.06 sq. ft.
	Weight	45 lbs.

	EPA	1.19 sq. ft.
	Weight	60 lbs.

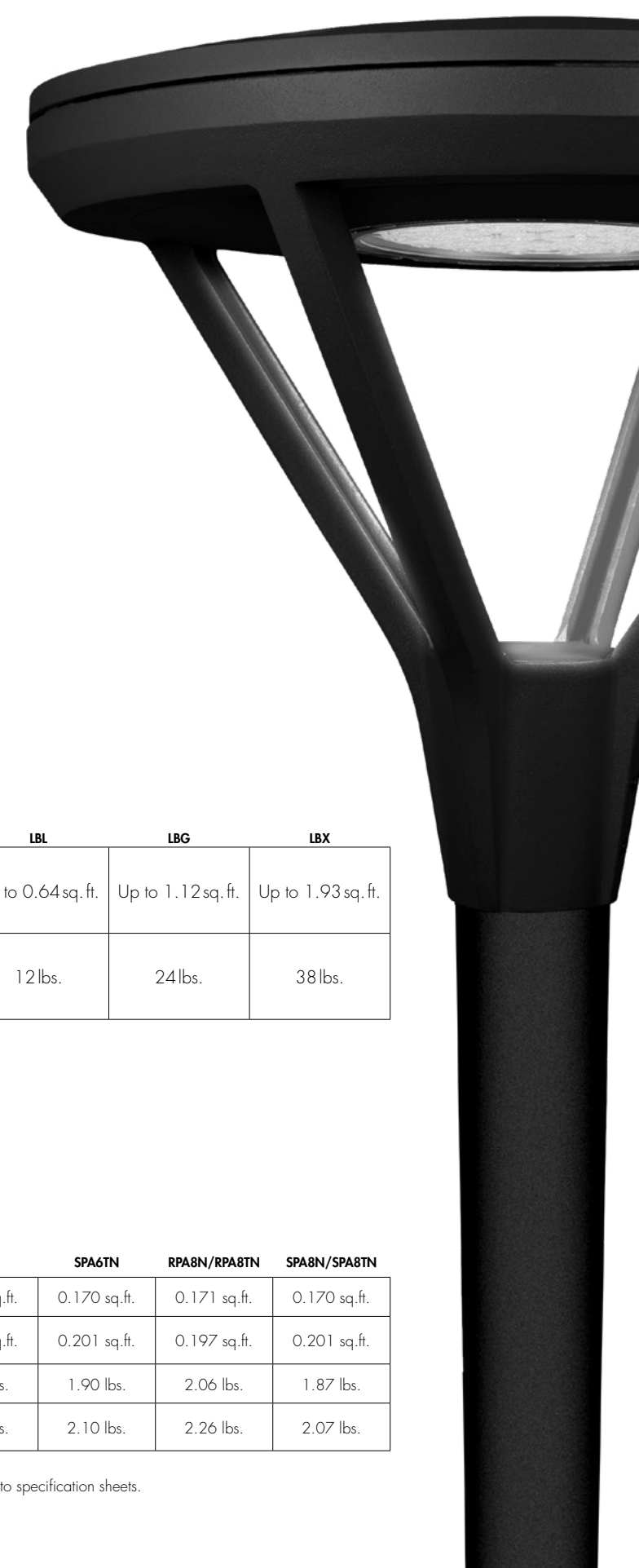
		LBS	LBM	LBL	LBG	LBX
	EPA**	Up to 0.19 sq. ft.	Up to 0.44 sq. ft.	Up to 0.64 sq. ft.	Up to 1.12 sq. ft.	Up to 1.93 sq. ft.
	Weight	5.2 lbs.	6.7 lbs.	12 lbs.	24 lbs.	38 lbs.

		LQL	LQG
	EPA*	Up to 0.84 sq. ft.	Up to 1.34 sq. ft.
	Weight	15 lbs.	23 lbs.

			RPA6N/RPA6TN	SPA6N	SPA6TN	RPA8N/RPA8TN	SPA8N/SPA8TN
	EPA	4 LEDs board	0.171 sq. ft.	0.170 sq. ft.	0.170 sq. ft.	0.171 sq. ft.	0.170 sq. ft.
		8 LEDs board	0.197 sq. ft.	0.201 sq. ft.	0.201 sq. ft.	0.197 sq. ft.	0.201 sq. ft.
	Weight	4 LEDs board	2.22 lbs.	1.87 lbs.	1.90 lbs.	2.06 lbs.	1.87 lbs.
		8 LEDs board	2.42 lbs.	2.07 lbs.	2.10 lbs.	2.26 lbs.	2.07 lbs.

\*Luminaire included.




\*\*For EPA calculations regarding luminaires with accessories (snoots, visors, etc), please refer to specification sheets.













# Decorative Arm and Banner Arm EPA Tables - Round and Fluted Poles

## ARM-P Decorative Arms for Pendant-Mount Luminaires



P3 - Pendant Small (3 bolts)					
Arm Style	Arm Configurations				
		W1X 	S1X 	S1E 	S2E 
CM0	EPA	0.81 sq. ft.	N/A		
	Weight	5.23 lbs.			
DM0	EPA	0.73 sq. ft.	N/A		
	Weight	5.63 lbs.			
DT6	EPA	0.52 sq. ft.	0.52 sq. ft.	0.51 sq. ft.	1.03 sq. ft.
	Weight	5.1 lbs.	5.1 lbs.	8.1 lbs.	12.1 lbs.
CS2	EPA	1.8 sq. ft.	1.8 sq. ft.	2.87 sq. ft.	4.9 sq. ft.
	Weight	7.39 lbs.	7.39 lbs.	21.04 lbs.	31.65 lbs.
CS4	EPA	0.87 sq. ft.	0.87 sq. ft.	1.08 sq. ft.	1.97 sq. ft.
	Weight	9.03 lbs.	9.03 lbs.	14.88 lbs.	23.36 lbs.
CS6	EPA	N/A	N/A	0.93 sq. ft.	1.43 sq. ft.
	Weight			16.23 lbs.	25.88 lbs.
CS12	EPA	0.43 sq. ft.	0.43 sq. ft.	1.61 sq. ft.	2.08 sq. ft.
	Weight	8.44 lbs.	8.44 lbs.	35.2 lbs.	43.04 lbs.
CS13	EPA	0.69 sq. ft.	0.69 sq. ft.	1.98 sq. ft.	2.23 sq. ft.
	Weight	10 lbs.	10 lbs.	16 lbs.	23 lbs.
MC5	EPA	1.84 sq. ft.	1.84 sq. ft.	2.07 sq. ft.	3.23 sq. ft.
	Weight	15.2 lbs.	15.2 lbs.	16.25 lbs.	27.13 lbs.


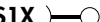


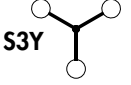
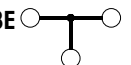
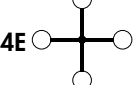
P4 - Pendant Medium (4 bolts)					
Arm Style	Arm Configurations				
		W1X 	S1X 	S1E 	S2E 
DT6	EPA	1.12 sq. ft.	1.12 sq. ft.	1.13 sq. ft.	2.10 sq. ft.
	Weight	5.1 lbs.	5.1 lbs.	8.1 lbs.	12.1 lbs.
CS2	EPA	1.83 sq. ft.	1.83 sq. ft.	3.02 sq. ft.	6.04 sq. ft.
	Weight	7.39 lbs.	7.39 lbs.	21.04 lbs.	31.65 lbs.
CS4	EPA	1.33 sq. ft.	1.33 sq. ft.	2.11 sq. ft.	3.53 sq. ft.
	Weight	9.03 lbs.	9.03 lbs.	14.88 lbs.	23.36 lbs.
CS6	EPA	N/A	N/A	1.52 sq. ft.	2.79 sq. ft.
	Weight			16.23 lbs.	25.88 lbs.
CS12	EPA	0.38 sq. ft.	0.38 sq. ft.	1.95 sq. ft.	2.39 sq. ft.
	Weight	5.17 lbs.	5.17 lbs.	35.2 lbs.	43.04 lbs.
CS13	EPA	1.05 sq. ft.	1.05 sq. ft.	1.84 sq. ft.	2.81 sq. ft.
	Weight	11 lbs.	11 lbs.	16 lbs.	23 lbs.
MC5	EPA	1.84 sq. ft.	1.84 sq. ft.	1.84 sq. ft.	3.68 sq. ft.
	Weight	15.2 lbs.	15.2 lbs.	16.25 lbs.	27.13 lbs.

## ARM-T - Decorative Arms for Post-Top Mount Luminaires



TN3 - Tenon 3in and TN4 - Tenon 4in					
Arm Style	Arm Configurations				
		W1X 	S1X 	S1E 	S2E 
DT1	EPA	1.21 sq. ft.	1.21 sq. ft.	1.42 sq. ft.	2.42 sq. ft.
	Weight	8.88 lbs.	8.88 lbs.	14.32 lbs.	19.28 lbs.
DT6	EPA	1.12 sq. ft.	1.12 sq. ft.	1.13 sq. ft.	2.10 sq. ft.
	Weight	5.1 lbs.	5.1 lbs.	8.1 lbs.	12.1 lbs.
MC1	EPA	0.70 sq. ft.	0.70 sq. ft.	1.77 sq. ft.	2.57 sq. ft.
	Weight	8.20 lbs.	8.20 lbs.	16.95 lbs.	24.20 lbs.



## ARM-S - Decorative Arms for Side-Mount Luminaires

S12 - Side Internal 2-3/8 in and S02 - Side Overlap 2-3/8 in			
Arm Style	Arm Configurations		
		SML 	LRG 
PU2	EPA	1.08 sq. ft.	1.67 sq. ft.
	Weight	12.09 lbs.	14.87 lbs.

Arm Style	Arm Configurations								
		W1X 	S1X 	S1E 	S2E 	S3Y 	S3E 	S4E 	
PU4	EPA	N/A			3.13 sq. ft.	5.08 sq. ft.	N/A		
	Weight				24 lbs.	28 lbs.			
PU5	EPA	N/A			2.17 sq. ft.	2.88 sq. ft.	N/A		
	Weight				12.57 lbs.	18 lbs.			
PU8	EPA	0.19 sq. ft.	0.19 sq. ft.	0.42 sq. ft.	0.65 sq. ft.	0.75 sq. ft.	0.86 sq. ft.	1.08 sq. ft.	
	Weight	2.2 lbs.	2.2 lbs.	6.52 lbs.	8.09 lbs.	9 lbs.	9 lbs.	9.9 lbs.	
CS12	EPA	0.38 sq. ft.	0.38 sq. ft.	1.95 sq. ft.	2.39 sq. ft.	N/A			
	Weight	5.17 lbs.	5.17 lbs.	35.2 lbs.	43.04 lbs.				
CS13	EPA	1.05 sq. ft.	1.05 sq. ft.	1.84 sq. ft.	2.81 sq. ft.	N/A			
	Weight	11 lbs.	11 lbs.	16 lbs.	23 lbs.				

## BA - Banner Arm



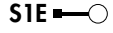
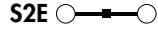
Banner Arm EPA		
Configuration	S1X 	S2X 
	BA-1	BA-1
EPA	0.01 sq. ft.	0.02 sq. ft.
Weight	4.13 lbs.	7.03 lbs.

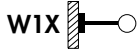

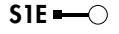
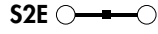
Hanging Type	Banner (by others) EPA*	
	BA-1 (top only) 	BA-2 (top and bottom) 
18"x24" Banner	1.80 sq. ft.	3.60 sq. ft.
18"x36" Banner	2.70 sq. ft.	5.40 sq. ft.
18"x48" Banner	3.60 sq. ft.	7.20 sq. ft.

\*EPA values are for the Banner only. Refer to the table on the left for the EPA values of the Banner Arms. Consult factory for other Banner Arms dimensions and Plant Holder Arm accessory EPA.

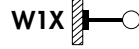

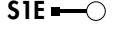
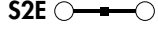
# Decorative Arm EPA Tables - Square Poles

## ARM-P Decorative Arms for Pendant-Mount Luminaires





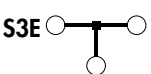
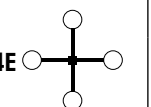
P3 - Pendant Small (3 bolts)					
Arm Style	Arm Configurations				
					
CM0	EPA	0.81 sq. ft.	N/A		
	Weight	5.23 lbs.			
DM0	EPA	0.73 sq. ft.	N/A		
	Weight	5.63 lbs.			
DT6	EPA	0.52 sq. ft.	0.52 sq. ft.	1.25 sq. ft.	1.88 sq. ft.
	Weight	5.1 lbs.	5.1 lbs.	8.1 lbs.	12.1 lbs.
CS2	EPA	1.8 sq. ft.	1.8 sq. ft.	4.4 sq. ft.	6.23 sq. ft.
	Weight	7.39 lbs.	7.39 lbs.	21.04 lbs.	31.65 lbs.
CS4	EPA	0.87 sq. ft.	0.87 sq. ft.	1.68 sq. ft.	2.25 sq. ft.
	Weight	9.03 lbs.	9.03 lbs.	14.88 lbs.	23.36 lbs.
CS12	EPA	0.43 sq. ft.	0.43 sq. ft.	4.31 sq. ft.	4.65 sq. ft.
	Weight	8.44 lbs.	8.44 lbs.	35.2 lbs.	43.04 lbs.
CS13	EPA	0.69 sq. ft.	0.69 sq. ft.	2.5 sq. ft.	3.1 sq. ft.
	Weight	10 lbs.	10 lbs.	16 lbs.	23 lbs.
MC5	EPA	1.84 sq. ft.	1.84 sq. ft.	2.41 sq. ft.	3.26 sq. ft.
	Weight	15.2 lbs.	15.2 lbs.	16.25 lbs.	27.13 lbs.

P4 - Pendant Medium (4 bolts)					
Arm Style	Arm Configurations				
					
DT6	EPA	1.12 sq. ft.	1.12 sq. ft.	1.71 sq. ft.	2.78 sq. ft.
	Weight	5.1 lbs.	5.1 lbs.	8.1 lbs.	12.1 lbs.
CS2	EPA	1.83 sq. ft.	1.83 sq. ft.	5.1 sq. ft.	7.4 sq. ft.
	Weight	7.39 lbs.	7.39 lbs.	21.04 lbs.	31.65 lbs.
CS4	EPA	1.33 sq. ft.	1.33 sq. ft.	2.95 sq. ft.	4.78 sq. ft.
	Weight	9.03 lbs.	9.03 lbs.	14.88 lbs.	23.36 lbs.
CS12	EPA	0.38 sq. ft.	0.38 sq. ft.	4.44 sq. ft.	4.93 sq. ft.
	Weight	5.17 lbs.	5.17 lbs.	35.2 lbs.	43.04 lbs.
CS13	EPA	1.05 sq. ft.	1.05 sq. ft.	2.64 sq. ft.	3.36 sq. ft.
	Weight	11 lbs.	11 lbs.	16 lbs.	23 lbs.
MC5	EPA	1.84 sq. ft.	1.84 sq. ft.	2.67 sq. ft.	3.8 sq. ft.
	Weight	15.2 lbs.	15.2 lbs.	16.25 lbs.	27.13 lbs.

## ARM-T - Decorative Arms for Post-Top Mount Luminaires

TN3 - Tenon 3in and TN4 - Tenon 4in					
Arm Style	Arm Configurations				
					
DT1	EPA	1.21 sq. ft.	1.21 sq. ft.	2.17 sq. ft.	3.17 sq. ft.
	Weight	8.88 lbs.	8.88 lbs.	14.32 lbs.	19.28 lbs.
DT6	EPA	1.12 sq. ft.	1.12 sq. ft.	1.71 sq. ft.	2.78 sq. ft.
	Weight	5.1 lbs.	5.1 lbs.	8.1 lbs.	12.1 lbs.
MC1	EPA	0.70 sq. ft.	0.70 sq. ft.	1.77 sq. ft.	2.57 sq. ft.
	Weight	8.20 lbs.	8.20 lbs.	16.95 lbs.	24.20 lbs.

## ARM-S - Decorative Arms for Side-Mount Luminaires

SI2 - Side Internal 2-3/8in and SO2 - Side Overlap 2-3/8in								
Arm Style	Arm Configurations							
								
PU4	EPA	N/A			5.5 sq. ft.	7.1 sq. ft.	N/A	
	Weight				24 lbs.	28 lbs.		
PU5	EPA	N/A			2.71 sq. ft.	3.6 sq. ft.	N/A	
	Weight				12.57 lbs.	18 lbs.		
PU8	EPA	0.19 sq. ft.	0.19 sq. ft.	0.83 sq. ft.	1.03 sq. ft.	1.23 sq. ft.	1.42 sq. ft.	
	Weight	2.2 lbs.	2.2 lbs.	6.52 lbs.	8.09 lbs.	9 lbs.	9.9 lbs.	
CS12	EPA	0.38 sq. ft.	0.38 sq. ft.	4.44 sq. ft.	4.93 sq. ft.	N/A		
	Weight	5.17 lbs.	5.17 lbs.	35.2 lbs.	43.04 lbs.			
CS13	EPA	1.05 sq. ft.	1.05 sq. ft.	2.64 sq. ft.	3.36 sq. ft.	N/A		
	Weight	11 lbs.	11 lbs.	16 lbs.	23 lbs.			

# Street Sign Holder EPA Table

## SSH - Street Sign Holder

Panel Size		
6" x 12"	EPA	0.6 sq. ft.
6" x 18"	EPA	0.9 sq. ft.

Consult factory for other panel sizes.  
Panels provided by others.

# CSA Wind Pressure Tables

**The recommendations in this guide are meant to assist you with your projects. All pole installations need to be verified by a qualified engineer.**

## CSA Standards

The CSA Group is a global organization dedicated to safety, social good, and sustainability. They are a leader in Standards Development as well as testing, inspection, and certification around the world, including Canada, the United States, Europe, and Asia.

Manufacturers of free-standing poles of metal, aluminum, polymeric, concrete, fiber-reinforced structures, and wood for use in support of lighting equipment must use the CSA C22.2 No. 206-17 Lighting Poles. A revision to the pole standards occurred on April 03, 2018. It is important to note that C22.2 No. 206-17 is the standard used for the CSA's certification of posts, and all other structural calculations must be made according to CSA-S6 Canadian Highway Bridge Design Code standards.

Guideline for Wind Pressure Tables: Find the city for your installation in the Wind Pressure Table. Match the wind pressure value with the next closest wind pressure in the EPA rating table. For example, if the installation is in Jonquiere, Quebec (355 PA), refer to the 400Pa column in the EPA rating table.

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## Hourly Mean Wind Pressure: PA for Return Periods Over 50 Years by Location

Guideline for Wind Pressure Tables: Find the city for your installation in the Wind Pressure Table. Match the wind pressure value with the next closest wind pressure in the EPA Rating Table. For example, if the installation is in Jonquiere, Quebec (355 PA), refer to the 400Pa column in the EPA Rating Table.

Alberta							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Athabasca	405	Cowley	1000	Jasper	455	Slave Lake	370
Banff	485	Drumheller	430	Keg River	285	Stettler	365
Barrhead	430	Edmonton	450	Lac LaBiche	400	Stony Plain	450
Beaverlodge	360	Edson	460	Lacombe	405	Suffield	575
Brooks	515	Embarras Portage	405	Lethbridge	825	Taber	745
Calgary	495	Fairview	350	Manning	290	Turner Valley	650
Campsie	430	Fort McMurray	350	Medicine Hat	535	Valleyview	465
Camrose	405	Fort Saskatchewan	435	Peace River	320	Vegreville	355
Cardston	1020	Fort Vermilion	285	Penhold	405	Vermilion	310
Claresholm	865	Grande Prairie	475	Pincher Creek	965	Wagner	370
Cold Lake	400	Habay	285	Ranfurly	320	Wainwright	360
Coleman	765	Hardisty	365	Red Deer	405	Wetaskiwin	405
Coronation	365	High River	650	Rocky M.House	435	Whitecourt	430
						Wimborne	405

British Columbia							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Abbotsford	620	Elko	425	McBride	350	Qualicum Beach	640
Agassiz	755	Fernie	480	McLeod Lake	315	Quesnel	310
Alberni	630	Fort Nelson	285	Merritt	430	Revelstoke	315
Ashcroft	385	Fort St. John	385	Mission Location	675	Richmond	480
Beaton River	300	Glacier	315	Montrose	340	Salmon Arm	380
Burns Lake	390	Golden	345	Nakusp	330	Sandspit	680
Cache Creek	380	Grand Forks	415	Nanaimo	635	Sidney	595
Campbell River	640	Greenwood	445	Nelson	325	Smithers	400
Carmi	375	Haney	470	New Westminster	470	Smith River	285
Castlegar	335	Hope	625	North Vancouver	480	Squamish	560
Chetwynd	405	Kamloops	405	Ocean Falls	595	Stewart	425
Chilliwack	715	Kaslo	320	100 Mile House	390	Taylor	400
Cloverdale	470	Kelowna	470	Osoyoos	495	Terrace	360
Comox	645	Kimberley	325	Penticton	590	Tofino	675
Courtenay	645	Kitimat Plant	485	Port Alberni	630	Trail	350
Cranbrook	325	Kitimat Townsite	485	Port Hardy	625	Ucluelet	675
Crescent Valley	325	Langley	640	Port McNeill	625	Vancouver	480
Crofton	625	Lillooet	430	Powell River	620	Vernon	430
Dawson Creek	400	Lytton	435	Prince George	370	Victoria	630
Dog Creek	400	Mackenzie	315	Prince Rupert	535	Williams Lake	375
Duncan	625	Masset	625	Princeton	365	Yubou	595

Prince Edward Island							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Charlottetown	590	Souris	540	Summerside	690	Tignish	775

Source: Table 3.1.1, CSA S6:19, Canadian Highway Bridge Design Code. © 2019 Canadian Standards Association. Please visit [store.csagroup.org](http://store.csagroup.org).

## CSA Wind Pressure Table

Hourly mean Wind Pressure: PA for return periods over 50 years by location

Guideline for Wind Pressure Tables: Find the city for your installation in the Wind Pressure Table. Match the wind pressure value with the next closest wind pressure in the EPA Rating Table. For example, if the installation is in Jonquiere, Quebec (355 PA), refer to the 400Pa column in the EPA Rating Table.

Manitoba							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Beausejour	405	Island Lake	440	Rivers	460	Swan River	380
Boissevain	570	Lac du Bonnet	370	Sandilands	400	The Pas	440
Brandon	490	Lynn Lake	440	Selkirk	425	Thompson	490
Churchill	645	Morden	515	Split Lake	490	Transcona	450
Dauphin	400	Neepawa	440	St. Boniface	450	Virden	460
Flin Flon	440	Pine Falls	380	Steinbach	405	Whiteshell	370
Gimli	410	Portage la Prairie	465	St. Vital	450	Winnipeg	450

New Brunswick							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Alma	565	Edmundston	440	Moncton	640	St. Stephen	600
Bathurst	475	Fredericton	410	Oromocto	500	Shippegan	690
Campbellton	525	Gagetown	535	Sackville	585	Woodstock	370
Chatham	415	Grand Falls	415	Saint John	520		

Nova Scotia							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Amherst	585	Digby	550	Louisbourg	650	Springhill	555
Antigonish	545	Greenwood	535	Lunenburg	615	Stewiacke	555
Bridgewater	585	Halifax	590	New Glasgow	545	Sydney	595
Canso	625	Kentville	535	North Sydney	595	Tatamagouche	550
Dartmouth	590	Liverpool	610	Pictou	545	Truro	530
Debert	555	Lockeport	605	Port Hawkesbury	740	Wolfville	535
						Yarmouth	560

Ontario							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Ailsa Craig	550	Belleville	430	Campbellford	415	Colborne	565
Ajax	570	Belmont	500	Camp Borden	335	Collingwood	385
Alexandria	400	Bowmanville	590	Cannington	360	Cornwall	410
Alliston	330	Bracebridge	350	Carleton Place	410	Corunna	465
Almonte	410	Bradford	360	Cavan	435	Deep River	350
Ansonville	400	Brampton	430	Centralia	525	Deseronto	430
Armstrong	260	Brantford	400	Chapleau	270	Dorchester	480
Arnprior	370	Brighton	540	Chatham	430	Dorion	390
Atikokan	260	Brockville	430	Chelmsford	450	Dresden	430
Aurora	440	Brooklin	520	Chesley	450	Dryden	260
Bancroft	320	Burk's Falls	350	Clinton	475	Dunbarton	575
Barrie	330	Burlington	460	Coboconk	350	Dunnville	425
Barriefield	460	Caledonia	400	Cobourg	595	Durham	435
Beaverton	360	Cambridge	350	Cochrane	350	Dutton	470

## CSA Wind Pressure Table

Hourly mean Wind Pressure: PA for return periods over 50 years by location

Guideline for Wind Pressure Tables: Find the city for your installation in the Wind Pressure Table. Match the wind pressure value with the next closest wind pressure in the EPA Rating Table. For example, if the installation is in Jonquiere, Quebec (355 PA), refer to the 400Pa column in the EPA Rating Table.

Ontario (continued)							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Earlton	450	Kenora	310	Oshawa	575	Southampton	525
Edison	310	Killaloe	350	Ottawa	410	South Porcupine	375
Elmvale	365	Kincardine	545	Owen Sound	475	South River	325
Embryo	475	Kingston	465	Pagwa River	275	St. Catharines	460
Englehart	415	Kinmount	350	Paris	405	St. Marys	505
Espanola	420	Kirkland Lake	410	Parkhill	545	Stirling	400
Exeter	525	Kitchener	370	Parry Sound	395	Stratford	475
Fenelon Falls	355	Lakefield	380	Pembroke	350	Strathroy	500
Fergus	355	Landsdowne House	315	Penetanguishene	385	Streetsville	465
Fonthill	425	Leamington	465	Perth	410	St. Thomas	475
Forest	520	Lindsay	380	Petawawa	350	Sturgeon Falls	355
Fort Erie	460	Lion's Head	475	Peterborough	415	Sudbury	465
Fort Frances	310	Listowel	470	Petrolia	465	Sundridge	325
Gananoque	465	London	535	Picton	490	Tavistock	475
Georgetown	375	Lucan	555	Plattsville	410	Temagami	375
Geraldton	275	Maitland	430	Point Alexander	350	Thamesford	475
Glencoe	435	Markdale	415	Porcupine	375	Theford	545
Goderich	550	Martin	260	Port Burwell	470	Thunder Bay	390
Gore Bay	390	Matheson	410	Port Colborne	455	Tillsonburg	435
Graham	260	Mattawa	315	Port Credit	495	Timmins	355
Gravenhurst	350	Midland	385	Port Dover	465	Toronto	520
Grimsby	460	Milton	430	Port Elgin	550	Trenton	465
Guelph	325	Milverton	435	Port Hope	595	Trout Creek	320
Guthrie	335	Minden	350	Port Perry	435	Trout Lake	425
Hagersville	425	Mississauga	495	Port Stanley	470	Uxbridge	415
Haileybury	435	Mitchell	505	Prescott	430	Vanier	410
Haliburton	350	Moosonee	350	Princeton	410	Viitoria	465
Hamilton	460	Morrisburg	410	Raith	260	Walkerton	500
Hanover	475	Mount Forest	410	Red Lake	285	Wallaceburg	430
Hastings	415	Muskoka Airport	350	Renfrew	350	Waterloo	370
Hawkesbury	405	Nakina	275	Ridgeway	455	Wainford	470
Hearst	280	Napanee	430	Rockland	410	Wawa	390
Honey Harbour	385	Newcastle	595	Sarnia	465	Welland	425
Hornepayne	270	New Liskeard	435	Sault Ste. Marie	400	West Lorne	470
Huntsville	350	Newmarket	385	Schreiber	390	Whitby	575
Ingersoll	475	Niagara Falls	425	Seaforth	525	White River	275
Iroquois Falls	405	North Bay	340	Simcoe	425	Warton	475
Jarvis	425	Norwood	415	Sioux Lookout	260	Windsor	470
Jellicoe	260	Oakville	490	Smiths Falls	410	Wingham	505
Kapuskasing	310	Orangeville	355	Smithville	425	Woodstock	435
Kemptville	410	Orillia	350	Smooth Rock Falls	320	Wyoming	465



## CSA Wind Pressure Table

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Quebec							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Acton Vale	320	Gatineau	410	Malartic	320	Schefferville	425
Alma	320	Gentilly	305	Maniwaki	305	Senneterre	315
Amos	320	Gracefield	315	Masson	410	Shawville	350
Anjou	400	Granby	350	Matane	600	S.Agathe/Monts	345
Arvida	355	Harrington Harb.	920	Mont-Joli	600	S.Anne/Bellevue	400
Asbestos	350	Havre-Saint-Pierre	785	Mont-Laurier	305	St-Canut	370
Aylmer	410	Hemmingford	405	Montmagny	555	Ste-Foy	520
Bagotville	380	Hull	410	Montréal	400	St-Félicien	285
Baie-Comeau	600	Iberville	405	Montréal-Nord	400	St-Hubert	400
Beaconsfield	400	Inukjuak	905	Mont-Royal	400	S.Hubert/Témis.	585
Beauport	520	Joliette	360	Nitchequon	365	St-Hyacinthe	345
Bedford	405	Jonquière	355	Noranda	350	St-Jean	405
Beloeil	370	Kenogami	355	Outremont	400	St-Jérôme	365
Brome	370	Knob Lake	425	Percé	850	St-Jovite	325
Brossard	400	Knowlton	370	Pierrefonds	400	St-Lambert	400
Buckingham	405	Kovik Bay	930	Pincourt	400	St-Laurent	400
Cacouna	585	Lachine	400	Plessisville	350	St-Nicolas	495
Campbell's Bay	320	Lachute	400	Pointe-Claire	400	Sutton	405
Camp Valcartier	520	Lac-Mégantic	645	Pointe-Gatineau	410	Tadoussac	570
Chambly	400	Lafleche	400	Port-Alfred	355	Témiscaming	315
Chicoutimi	360	La Malbaie	555	Port-Cartier	690	Thetford Mines	370
Coaticook	375	L'Ancienne Lorette	520	Poste-de-La-Baleine	830	Thurso	405
Contrecoeur	435	LaSalle	400	Préville	400	Trois-Rivières	435
Cowansville	405	La Tuque	350	Québec	520	Val-d'Or	315
Deux-Montagnes	370	Laval	400	Richmond	320	Valleyfield	405
Dolbeau	350	Lennoxville	320	Rimouski	600	Varennnes	405
Dorval	400	Léry	400	Rivière-du-Loup	585	Verchères	435
Drummondville	320	Les Saules	520	Roberval	350	Verdun	400
Farnham	405	Lévis	520	Rock Island	410	Victoriaville	350
Fort-Chimo	725	Loretteville	520	Rosemère	400	Ville-Marie	410
Fort-Coulonge	315	Louiseville	435	Rouyn	350	Waterloo	350
Gagnon	455	Magog	350	Salaberry	400	Westmount	400
Gaspé	785			de Valleyfeild	400	Windsor Mills	320

## CSA Wind Pressure Table

Hourly mean Wind Pressure: PA for return periods over 50 years by location

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Saskatchewan							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Assiniboia	570	Humbolt	395	Melville	400	Saskatoon	480
Battrum	660	Island Falls	440	Moose Jaw	460	Scott	650
Biggar	670	Kamsack	400	Mipawin	375	Strasbourg	425
Broadview	425	Kindersley	640	North Battleford	705	Swift Current	620
Dafoe	370	Lloydminster	410	Prince Albert	380	Uranium Location	440
Dundurn	515	Maple Creek	630	Qu'Appelle	420	Weyburn	485
Estevan	560	Meadow Lake	495	Regina	420	Yorkton	400
Hudson Bay	370	Melfort	355	Rosetown	635		

Newfoundland and Labrador							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Argentia	750	Corner Brook	745	Labrador Location	400	Twin Falls	400
Bonavista	690	Gander	595	Port aux Basques	675	Wabana	755
Buchans	595	Goose Bay	365	St, Anthony	870	Wabush Lake	400
Cape Harrison	595	Grand Bank	740	Stephenville	770		
Cape Race	1050	Grand Falls	595	St, John's	800		

Nunavut							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Alert	770	Chesterfield Inlet	565	Eureka	670	Rankin Inlet	595
Arctic Bay	550	Clyde River	890	Iqaluit	750	Resolute	690
Baker Lake	540	Coral Harbour	995	Isachsen	900	Resolution Island	1235
Cambridge Bay	545	Eskimo Point	640	Nottingham Island	640		

Northwest Territories							
Location	50yrs.	Location	50yrs.	Location	50yrs.	Location	50yrs.
Aklavik	610	Fort Resolution	395	Holman Island	855	Port Radium	525
Coppermine	460	Fort Simpson	410	Inuvik	640	Rae	470
Fort Good Hope	635	Fort Smith	410	Mould Bay	670	Tungsten	445
Fort Providence	350	Hay River	350	Norman Wells	665	Yellowknife	470





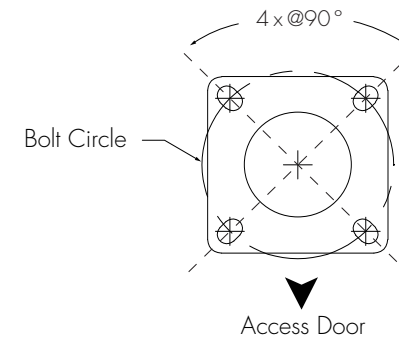
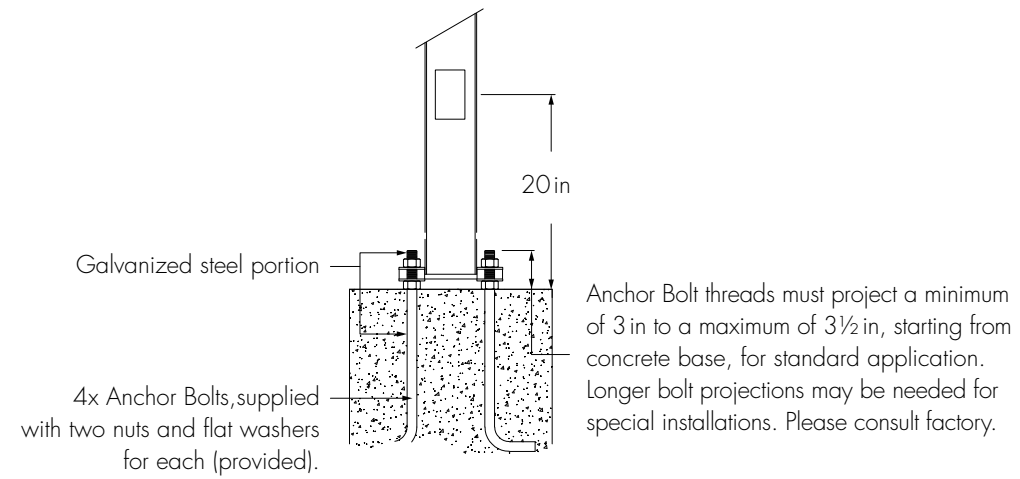
# STRAIGHT POLE

## TECHNICAL INFORMATION

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# Straight Pole

## Technical Information



		Round Shapes		
		4 in.	5 in.	6 in.
Wall Thickness*	Aluminium	L - M - H - W	L - M - H - W	L - M - H
	Steel	L - M - H - W	L - M - H - W	L - M - H - W
Maximum Height	Aluminium	Up to 20ft.		Up to 30ft.
	Steel	Up to 20ft.	Up to 30ft.	
Compatible Base Cover Options	Up to 20ft	P, WA, WB, WC, WF, WH, WI, WJ, WL, WM, WO, WP, WR, WS, WY, WYX	P, WA, WC, WF, WH, WI, WJ, WL, WM, WO, WP, WR, WS, WY, WYX	P, WC, WI, WJ, WL, WO, WY, WYX
	21ft to 30ft	N/A	P, WF, WH, WI, WL, WM, WO, WR, WS, WYX	P, WO
Compatible Accessories		PLTU, BA, PH	PLTU, BA, PH	PLTU
Anchor Bolts	Up to 20ft	Ø3/4 in. x 26 in.		
	21ft to 30ft	Ø1 in. x 36 in.		
Bolt Circle	Up to 20ft	Ø8.5 in.	Ø10 in.	
	21ft to 30ft	N/A	Ø11.5 in.	Ø14 in.

Square Shapes			Fluted Shapes	
4 in.	5 in.	6 in.	4 in.	5 in.
L - M - H	L - M - H	M	M	M
L - M - W	L - M - H - W	M - H	N/A	N/A
Up to 20ft.			Up to 20ft.	
Up to 24ft.	Up to 30ft.		N/A	
p			P, WA, WB, WC, WF, WH, WI, WJ, WL, WM, WO, WP, WR, WS, WY, WYX	P, WA, WC, WF, WH, WI, WJ, WL, WM, WO, WP, WR, WS, WY, WYX
PLTU			N/A	
PLTU			BA, PH	BA, PH
Ø3/4 in. x 26 in.			Ø3/4 in. x 26 in.	
Ø1 in. x 36 in.			Ø1 in. x 36 in.	
Ø8.5 in.	Ø10 in.	Ø11.5 in.	Ø8.5 in.	Ø10 in.
Ø10 in.	Ø11.5 in.	Ø14 in.	N/A	

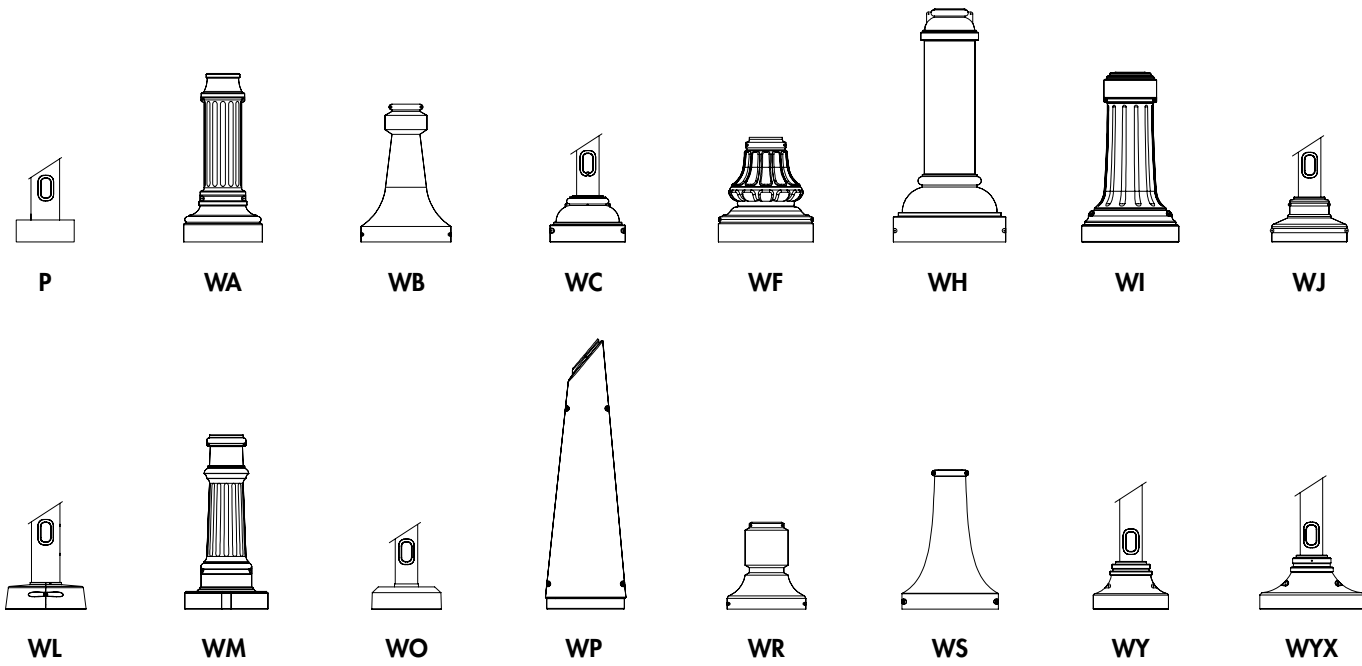
\*For maximum wall thickness and height limitations, please consult the Straight Pole EPA Rating Table.



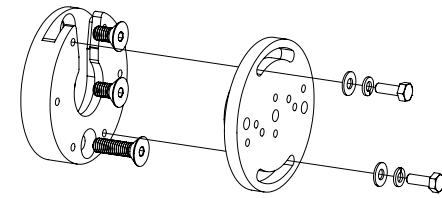
# Straight Pole

## Technical Information

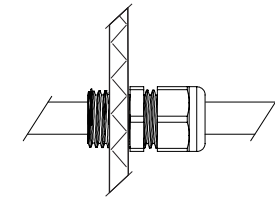
### Base Cover Options



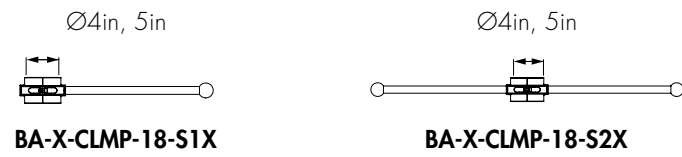
PLTU - Universal Yoke



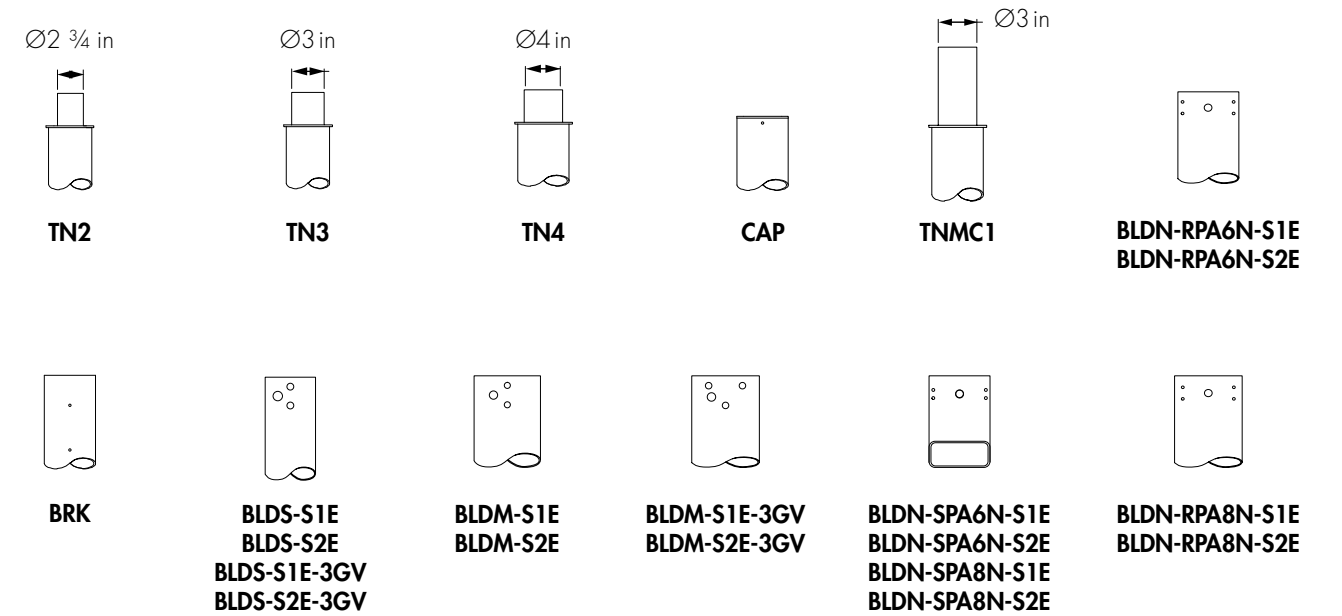
PG - Pressure Glang



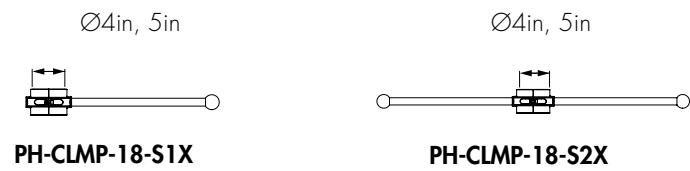
### Banner Arm Accessories



### Pole-Top Options \*Refer to specification sheets for pole drilling pattern details.

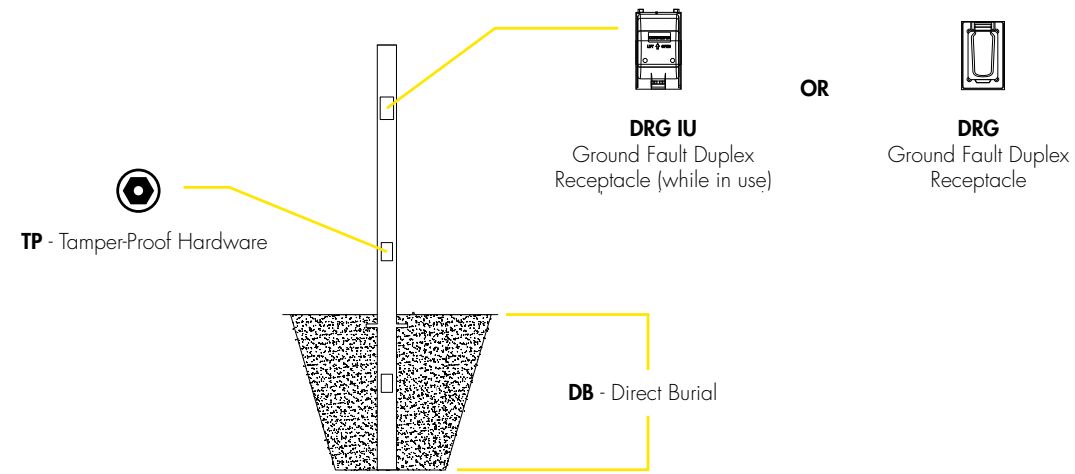


### Plant Holder Accessories



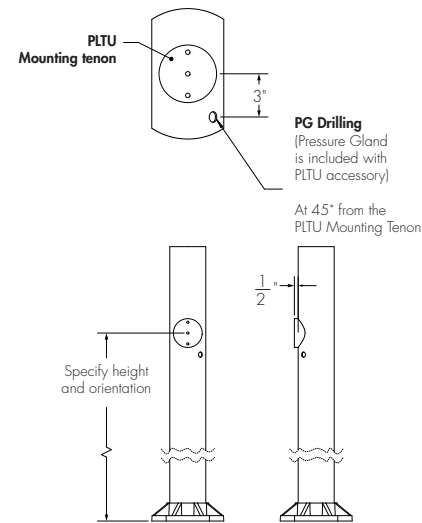


## Other Options

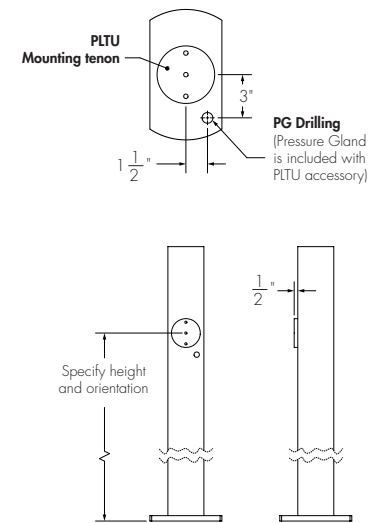


### PLTU - Drilling Pattern

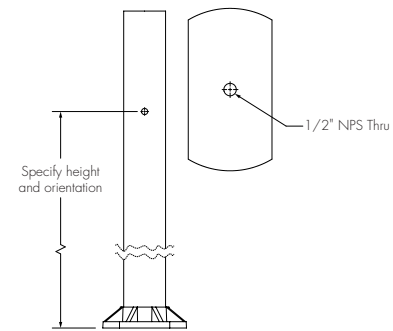
#### Round Pole Shape



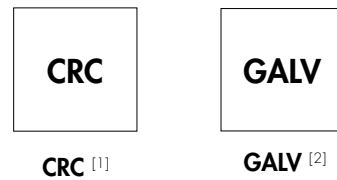
#### Square Pole Shape



### PG - Drilling Pattern



## Finish Options



[1] Automatically included when a steel pole is specified.

[2] Only available for steel poles with textured finish (immersion marks may occur).



**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape**

Height (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	5.43	3.62	2.53				Ø3/4" x 26"	Ø8 1/2"
4"	11'	L - 1/8"	4.63	2.97					Ø3/4" x 26"	Ø8 1/2"
4"	12'	L - 1/8"	3.92	2.38					Ø3/4" x 26"	Ø8 1/2"
4"	13'	L - 1/8"	3.28						Ø3/4" x 26"	Ø8 1/2"
4"	14'	L - 1/8"	2.70						Ø3/4" x 26"	Ø8 1/2"
4"	15'	L - 1/8"	2.17						Ø3/4" x 26"	Ø8 1/2"
4"	10'	M - 3/16"	8.56	5.97	4.41	3.37	2.63	2.07	Ø3/4" x 26"	Ø8 1/2"
4"	11'	M - 3/16"	7.50	5.12	3.69	2.74	2.06		Ø3/4" x 26"	Ø8 1/2"
4"	12'	M - 3/16"	6.56	4.37	3.05	2.17			Ø3/4" x 26"	Ø8 1/2"
4"	13'	M - 3/16"	5.74	3.70	2.48				Ø3/4" x 26"	Ø8 1/2"
4"	14'	M - 3/16"	4.99	3.09					Ø3/4" x 26"	Ø8 1/2"
4"	15'	M - 3/16"	4.31	2.53					Ø3/4" x 26"	Ø8 1/2"
4"	16'	M - 3/16"	3.69						Ø3/4" x 26"	Ø8 1/2"
4"	17'	M - 3/16"	3.12						Ø3/4" x 26"	Ø8 1/2"
4"	18'	M - 3/16"	2.59						Ø3/4" x 26"	Ø8 1/2"
4"	19'	M - 3/16"	2.09						Ø3/4" x 26"	Ø8 1/2"
4"	10'	H - 1/4"	11.39	8.08	6.10	4.78	3.84	3.13	Ø3/4" x 26"	Ø8 1/2"
4"	11'	H - 1/4"	10.08	7.06	5.24	4.03	3.17	2.52	Ø3/4" x 26"	Ø8 1/2"
4"	12'	H - 1/4"	8.95	6.16	4.48	3.37	2.57		Ø3/4" x 26"	Ø8 1/2"
4"	13'	H - 1/4"	7.95	5.36	3.81	2.77	2.03		Ø3/4" x 26"	Ø8 1/2"
4"	14'	H - 1/4"	7.06	4.64	3.19	2.22			Ø3/4" x 26"	Ø8 1/2"
4"	15'	H - 1/4"	6.25	3.99	2.63				Ø3/4" x 26"	Ø8 1/2"
4"	16'	H - 1/4"	5.52	3.39	2.11				Ø3/4" x 26"	Ø8 1/2"
4"	17'	H - 1/4"	4.84	2.83					Ø3/4" x 26"	Ø8 1/2"
4"	18'	H - 1/4"	4.22	2.31					Ø3/4" x 26"	Ø8 1/2"
4"	19'	H - 1/4"	3.63						Ø3/4" x 26"	Ø8 1/2"
4"	20'	H - 1/4"	3.09						Ø3/4" x 26"	Ø8 1/2"
4"	10'	W - 5/16"	13.93	9.99	7.63	6.06	4.93	4.09	Ø3/4" x 26"	Ø8 1/2"
4"	11'	W - 5/16"	12.41	8.81	6.64	5.20	4.17	3.39	Ø3/4" x 26"	Ø8 1/2"
4"	12'	W - 5/16"	11.10	7.77	5.77	4.44	3.49	2.78	Ø3/4" x 26"	Ø8 1/2"
4"	13'	W - 5/16"	9.95	6.86	5.00	3.77	2.88	2.22	Ø3/4" x 26"	Ø8 1/2"
4"	14'	W - 5/16"	8.92	6.04	4.31	3.15	2.33		Ø3/4" x 26"	Ø8 1/2"
4"	15'	W - 5/16"	8.00	5.30	3.67	2.59			Ø3/4" x 26"	Ø8 1/2"
4"	16'	W - 5/16"	7.16	4.62	3.09	2.07			Ø3/4" x 26"	Ø8 1/2"
4"	17'	W - 5/16"	6.39	3.99	2.55				Ø3/4" x 26"	Ø8 1/2"
4"	18'	W - 5/16"	5.69	3.41	2.05				Ø3/4" x 26"	Ø8 1/2"
4"	19'	W - 5/16"	5.03	2.87					Ø3/4" x 26"	Ø8 1/2"
4"	20'	W - 5/16"	4.42	2.36					Ø3/4" x 26"	Ø8 1/2"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape**

Height (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	L - 1/8"	9.28	6.39	4.66	3.50	2.68	2.06	Ø3/4" x 26"	Ø10"
5"	11'	L - 1/8"	8.06	5.42	3.83	2.77	2.02		Ø3/4" x 26"	Ø10"
5"	12'	L - 1/8"	7.00	4.56	3.09	2.11			Ø3/4" x 26"	Ø10"
5"	13'	L - 1/8"	6.05	3.78	2.42				Ø3/4" x 26"	Ø10"
5"	14'	L - 1/8"	5.19	3.08					Ø3/4" x 26"	Ø10"
5"	15'	L - 1/8"	4.41	2.43					Ø3/4" x 26"	Ø10"
5"	16'	L - 1/8"	3.70						Ø3/4" x 26"	Ø10"
5"	17'	L - 1/8"	3.03						Ø3/4" x 26"	Ø10"
5"	18'	L - 1/8"	2.41						Ø3/4" x 26"	Ø10"
5"	10'	M - 3/16"	14.42	10.25	7.75	6.08	4.88	3.99	Ø3/4" x 26"	Ø10"
5"	11'	M - 3/16"	12.78	8.95	6.66	5.13	4.04	3.22	Ø3/4" x 26"	Ø10"
5"	12'	M - 3/16"	11.35	7.82	5.70	4.29	3.28	2.53	Ø3/4" x 26"	Ø10"
5"	13'	M - 3/16"	10.09	6.81	4.85	3.54	2.60		Ø3/4" x 26"	Ø10"
5"	14'	M - 3/16"	8.96	5.91	4.07	2.85			Ø3/4" x 26"	Ø10"
5"	15'	M - 3/16"	7.95	5.08	3.36	2.22			Ø3/4" x 26"	Ø10"
5"	16'	M - 3/16"	7.02	4.32	2.71				Ø3/4" x 26"	Ø10"
5"	17'	M - 3/16"	6.17	3.62	2.10				Ø3/4" x 26"	Ø10"
5"	18'	M - 3/16"	5.38	2.97					Ø3/4" x 26"	Ø10"
5"	19'	M - 3/16"	4.65	2.36					Ø3/4" x 26"	Ø10"
5"	20'	M - 3/16"	3.96						Ø3/4" x 26"	Ø10"
5"	10'	H - 1/4"	19.16	13.80	10.59	8.45	6.91	5.77	Ø3/4" x 26"	Ø10"
5"	11'	H - 1/4"	17.12	12.21	9.27	7.30	5.90	4.85	Ø3/4" x 26"	Ø10"
5"	12'	H - 1/4"	15.36	10.83	8.11	6.30	5.00	4.03	Ø3/4" x 26"	Ø10"
5"	13'	H - 1/4"	13.81	9.60	7.08	5.40	4.19	3.29	Ø3/4" x 26"	Ø10"
5"	14'	H - 1/4"	12.44	8.51	6.16	4.58	3.46	2.62	Ø3/4" x 26"	Ø10"
5"	15'	H - 1/4"	11.20	7.52	5.31	3.84	2.79	2.00	Ø3/4" x 26"	Ø10"
5"	16'	H - 1/4"	10.08	6.62	4.54	3.16	2.17		Ø3/4" x 26"	Ø10"
5"	17'	H - 1/4"	9.06	5.79	3.83	2.52			Ø3/4" x 26"	Ø10"
5"	18'	H - 1/4"	8.12	5.02	3.17				Ø3/4" x 26"	Ø10"
5"	19'	H - 1/4"	7.25	4.31	2.54				Ø3/4" x 26"	Ø10"
5"	20'	H - 1/4"	6.44	3.64					Ø3/4" x 26"	Ø10"
5"	10'	W - 5/16"	23.54	17.08	13.21	10.63	8.79	7.41	Ø3/4" x 26"	Ø10"
5"	11'	W - 5/16"	21.13	15.22	11.67	9.31	7.62	6.35	Ø3/4" x 26"	Ø10"
5"	12'	W - 5/16"	19.06	13.60	10.33	8.14	6.59	5.42	Ø3/4" x 26"	Ø10"
5"	13'	W - 5/16"	17.25	12.18	9.14	7.11	5.67	4.58	Ø3/4" x 26"	Ø10"
5"	14'	W - 5/16"	15.64	10.91	8.08	6.19	4.84	3.82	Ø3/4" x 26"	Ø10"
5"	15'	W - 5/16"	14.20	9.77	7.12	5.34	4.08	3.13	Ø3/4" x 26"	Ø10"
5"	16'	W - 5/16"	12.91	8.74	6.24	4.57	3.38	2.49	Ø3/4" x 26"	Ø10"
5"	17'	W - 5/16"	11.73	7.79	5.43	3.86	2.73		Ø3/4" x 26"	Ø10"
5"	18'	W - 5/16"	10.65	6.92	4.68	3.19	2.13		Ø3/4" x 26"	Ø10"
5"	19'	W - 5/16"	9.65	6.11	3.98	2.57			Ø3/4" x 26"	Ø10"
5"	20'	W - 5/16"	8.72	5.35	3.33				Ø3/4" x 26"	Ø10"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape**

(in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
6"	10'	L - 1/8"	14.12	9.91	7.38	5.79	4.84	4.14	Ø3/4" x 26"	Ø10"
6"	11'	L - 1/8"	12.42	8.56	6.24	4.80	3.98	3.37	Ø3/4" x 26"	Ø10"
6"	12'	L - 1/8"	10.93	7.36	5.23	3.92	3.21	2.68	Ø3/4" x 26"	Ø10"
6"	13'	L - 1/8"	9.61	6.30	4.32	3.12	2.51	2.06	Ø3/4" x 26"	Ø10"
6"	14'	L - 1/8"	8.42	5.34	3.49	2.39			Ø3/4" x 26"	Ø10"
6"	15'	L - 1/8"	7.35	4.46	2.72				Ø3/4" x 26"	Ø10"
6"	16'	L - 1/8"	6.37	3.65	2.01				Ø3/4" x 26"	Ø10"
6"	17'	L - 1/8"	5.46	2.89					Ø3/4" x 26"	Ø10"
6"	18'	L - 1/8"	4.62	2.19					Ø3/4" x 26"	Ø10"
6"	19'	L - 1/8"	3.83						Ø3/4" x 26"	Ø10"
6"	20'	L - 1/8"	3.09						Ø3/4" x 26"	Ø10"
6"	21'	L - 1/8"	2.39						Ø1" x 36"	Ø14"

6"	10'	M - 3/16"	21.78	15.65	11.98	9.62	8.12	7.01	Ø3/4" x 26"	Ø10"
6"	11'	M - 3/16"	19.43	13.82	10.45	8.31	6.98	6.00	Ø3/4" x 26"	Ø10"
6"	12'	M - 3/16"	17.40	12.22	9.11	7.15	5.98	5.11	Ø3/4" x 26"	Ø10"
6"	13'	M - 3/16"	15.62	10.81	7.92	6.12	5.08	4.32	Ø3/4" x 26"	Ø10"
6"	14'	M - 3/16"	14.03	9.54	6.85	5.19	4.27	3.59	Ø3/4" x 26"	Ø10"
6"	15'	M - 3/16"	12.61	8.40	5.88	4.34	3.53	2.93	Ø3/4" x 26"	Ø10"
6"	16'	M - 3/16"	11.31	7.36	4.98	3.55	2.84	2.32	Ø3/4" x 26"	Ø10"
6"	17'	M - 3/16"	10.13	6.39	4.15	2.82	2.20		Ø3/4" x 26"	Ø10"
6"	18'	M - 3/16"	9.04	5.50	3.38	2.14			Ø3/4" x 26"	Ø10"
6"	19'	M - 3/16"	8.03	4.67	2.65				Ø3/4" x 26"	Ø10"
6"	20'	M - 3/16"	7.09	3.89					Ø3/4" x 26"	Ø10"
6"	21'	M - 3/16"	6.20	3.15					Ø1" x 36"	Ø14"
6"	22'	M - 3/16"	5.37	2.45					Ø1" x 36"	Ø14"
6"	23'	M - 3/16"	4.58						Ø1" x 36"	Ø14"
6"	24'	M - 3/16"	3.83						Ø1" x 36"	Ø14"
6"	25'	M - 3/16"	3.11						Ø1" x 36"	Ø14"
6"	26'	M - 3/16"	2.43						Ø1" x 36"	Ø14"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape**

(in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
6"	10'	H - 1/4"	28.94	21.02	16.27	13.20	11.19	9.69	Ø3/4" x 26"	Ø10"
6"	11'	H - 1/4"	26.00	18.74	14.39	11.59	9.80	8.46	Ø3/4" x 26"	Ø10"
6"	12'	H - 1/4"	23.46	16.76	12.75	10.18	8.58	7.38	Ø3/4" x 26"	Ø10"
6"	13'	H - 1/4"	21.24	15.02	11.30	8.94	7.49	6.42	Ø3/4" x 26"	Ø10"
6"	14'	H - 1/4"	19.28	13.48	10.00	7.81	6.52	5.56	Ø3/4" x 26"	Ø10"
6"	15'	H - 1/4"	17.52	12.09	8.83	6.80	5.63	4.78	Ø3/4" x 26"	Ø10"
6"	16'	H - 1/4"	15.94	10.83	7.76	5.87	4.82	4.05	Ø3/4" x 26"	Ø10"
6"	17'	H - 1/4"	14.50	9.67	6.77	5.01	4.07	3.39	Ø3/4" x 26"	Ø10"
6"	18'	H - 1/4"	13.18	8.60	5.86	4.21	3.37	2.76	Ø3/4" x 26"	Ø10"
6"	19'	H - 1/4"	11.96	7.62	5.01	3.46	2.72	2.18	Ø3/4" x 26"	Ø10"
6"	20'	H - 1/4"	10.83	6.69	4.21	2.76	2.10		Ø3/4" x 26"	Ø10"
6"	21'	H - 1/4"	9.77	5.83	3.46	2.09			Ø1" x 36"	Ø14"
6"	22'	H - 1/4"	8.78	5.01	2.74				Ø1" x 36"	Ø14"
6"	23'	H - 1/4"	7.85	4.23	2.07				Ø1" x 36"	Ø14"
6"	24'	H - 1/4"	6.97	3.50					Ø1" x 36"	Ø14"
6"	25'	H - 1/4"	6.13	2.80					Ø1" x 36"	Ø14"
6"	26'	H - 1/4"	5.33	2.12					Ø1" x 36"	Ø14"
6"	27'	H - 1/4"	4.57						Ø1" x 36"	Ø14"
6"	28'	H - 1/4"	3.84						Ø1" x 36"	Ø14"
6"	29'	H - 1/4"	3.14						Ø1" x 36"	Ø14"
6"	30'	H - 1/4"	2.47						Ø1" x 36"	Ø14"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminum  
Fluted Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	M - 3/16"	7.88	5.45	4.00	3.03	2.34		Ø3/4" x 26"	Ø8 1/2"
4"	11'	M - 3/16"	6.87	4.65	3.31	2.43			Ø3/4" x 26"	Ø8 1/2"
4"	12'	M - 3/16"	5.98	3.93	2.70				Ø3/4" x 26"	Ø8 1/2"
4"	13'	M - 3/16"	5.20	3.29	2.15				Ø3/4" x 26"	Ø8 1/2"
4"	14'	M - 3/16"	4.49	2.71					Ø3/4" x 26"	Ø8 1/2"
4"	15'	M - 3/16"	3.84	2.18					Ø3/4" x 26"	Ø8 1/2"
4"	16'	M - 3/16"	3.25						Ø3/4" x 26"	Ø8 1/2"
4"	17'	M - 3/16"	2.70						Ø3/4" x 26"	Ø8 1/2"
4"	18'	M - 3/16"	2.19						Ø3/4" x 26"	Ø8 1/2"
5"	10'	M - 3/16"	16.94	12.14	9.25	7.33	5.96	4.93	Ø3/4" x 26"	Ø10"
5"	11'	M - 3/16"	15.09	10.68	8.04	6.28	5.03	4.08	Ø3/4" x 26"	Ø10"
5"	12'	M - 3/16"	13.48	9.42	6.98	5.36	4.19	3.32	Ø3/4" x 26"	Ø10"
5"	13'	M - 3/16"	12.07	8.30	6.03	4.53	3.45	2.64	Ø3/4" x 26"	Ø10"
5"	14'	M - 3/16"	10.81	7.29	5.18	3.77	2.77	2.01	Ø3/4" x 26"	Ø10"
5"	15'	M - 3/16"	9.68	6.38	4.40	3.08	2.14		Ø3/4" x 26"	Ø10"
5"	16'	M - 3/16"	8.65	5.55	3.68	2.44			Ø3/4" x 26"	Ø10"
5"	17'	M - 3/16"	7.71	4.78	3.02				Ø3/4" x 26"	Ø10"
5"	18'	M - 3/16"	6.84	4.06	2.40				Ø3/4" x 26"	Ø10"
5"	19'	M - 3/16"	6.03	3.40					Ø3/4" x 26"	Ø10"
5"	20'	M - 3/16"	5.28	2.77					Ø3/4" x 26"	Ø10"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel  
Round Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	15.71	11.40	8.82	7.09	5.86	4.94	Ø3/4" x 26"	Ø8 1/2"
4"	11'	L - 1/8"	13.85	9.95	7.62	6.06	4.95	4.12	Ø3/4" x 26"	Ø8 1/2"
4"	12'	L - 1/8"	12.27	8.72	6.59	5.18	4.16	3.40	Ø3/4" x 26"	Ø8 1/2"
4"	13'	L - 1/8"	10.91	7.65	5.70	4.40	3.47	2.77	Ø3/4" x 26"	Ø8 1/2"
4"	14'	L - 1/8"	9.72	6.71	4.91	3.70	2.84	2.20	Ø3/4" x 26"	Ø8 1/2"
4"	15'	L - 1/8"	8.66	5.87	4.19	3.07	2.28		Ø3/4" x 26"	Ø8 1/2"
4"	16'	L - 1/8"	7.72	5.11	3.54	2.50			Ø3/4" x 26"	Ø8 1/2"
4"	17'	L - 1/8"	6.86	4.41	2.95				Ø3/4" x 26"	Ø8 1/2"
4"	18'	L - 1/8"	6.07	3.78	2.40				Ø3/4" x 26"	Ø8 1/2"
4"	19'	L - 1/8"	5.35	3.18					Ø3/4" x 26"	Ø8 1/2"
4"	20'	L - 1/8"	4.67	2.63					Ø3/4" x 26"	Ø8 1/2"
4"	10'	M - 3/16"	22.83	16.74	13.09	10.65	8.92	7.61	Ø3/4" x 26"	Ø8 1/2"
4"	11'	M - 3/16"	20.28	14.78	11.48	9.28	7.71	6.53	Ø3/4" x 26"	Ø8 1/2"
4"	12'	M - 3/16"	18.14	13.12	10.12	8.11	6.68	5.60	Ø3/4" x 26"	Ø8 1/2"
4"	13'	M - 3/16"	16.30	11.70	8.93	7.09	5.78	4.79	Ø3/4" x 26"	Ø8 1/2"
4"	14'	M - 3/16"	14.70	10.45	7.90	6.19	4.98	4.07	Ø3/4" x 26"	Ø8 1/2"
4"	15'	M - 3/16"	13.30	9.34	6.97	5.39	4.26	3.42	Ø3/4" x 26"	Ø8 1/2"
4"	16'	M - 3/16"	12.04	8.35	6.14	4.66	3.61	2.82	Ø3/4" x 26"	Ø8 1/2"
4"	17'	M - 3/16"	10.91	7.46	5.38	4.00	3.01	2.27	Ø3/4" x 26"	Ø8 1/2"
4"	18'	M - 3/16"	9.88	6.63	4.69	3.39	2.46		Ø3/4" x 26"	Ø8 1/2"
4"	19'	M - 3/16"	8.94	5.88	4.04	2.82			Ø3/4" x 26"	Ø8 1/2"
4"	20'	M - 3/16"	8.08	5.18	3.44	2.28			Ø3/4" x 26"	Ø8 1/2"
4"	10'	H - 1/4"	29.14	21.47	16.87	13.81	11.62	9.98	Ø3/4" x 26"	Ø8 1/2"
4"	11'	H - 1/4"	25.98	19.06	14.90	12.13	10.15	8.67	Ø3/4" x 26"	Ø8 1/2"
4"	12'	H - 1/4"	23.34	17.02	13.23	10.71	8.91	7.55	Ø3/4" x 26"	Ø8 1/2"
4"	13'	H - 1/4"	21.08	15.28	11.80	9.48	7.82	6.58	Ø3/4" x 26"	Ø8 1/2"
4"	14'	H - 1/4"	19.12	13.76	10.54	8.40	6.87	5.72	Ø3/4" x 26"	Ø8 1/2"
4"	15'	H - 1/4"	17.40	12.42	9.43	7.44	6.02	4.95	Ø3/4" x 26"	Ø8 1/2"
4"	16'	H - 1/4"	15.87	11.22	8.44	6.58	5.25	4.26	Ø3/4" x 26"	Ø8 1/2"
4"	17'	H - 1/4"	14.50	10.15	7.53	5.79	4.55	3.62	Ø3/4" x 26"	Ø8 1/2"
4"	18'	H - 1/4"	13.26	9.17	6.71	5.07	3.90	3.03	Ø3/4" x 26"	Ø8 1/2"
4"	19'	H - 1/4"	12.13	8.27	5.95	4.41	3.30	2.48	Ø3/4" x 26"	Ø8 1/2"
4"	20'	H - 1/4"	11.09	7.44	5.25	3.79	2.74		Ø3/4" x 26"	Ø8 1/2"
4"	10'	W - 5/16"	34.53	25.51	20.11	16.50	13.93	12.00	Ø3/4" x 26"	Ø8 1/2"
4"	11'	W - 5/16"	30.85	22.71	17.82	14.57	12.24	10.50	Ø3/4" x 26"	Ø8 1/2"
4"	12'	W - 5/16"	27.78	20.35	15.90	12.93	10.81	9.22	Ø3/4" x 26"	Ø8 1/2"
4"	13'	W - 5/16"	25.16	18.34	14.25	11.52	9.57	8.11	Ø3/4" x 26"	Ø8 1/2"
4"	14'	W - 5/16"	22.89	16.59	12.81	10.29	8.49	7.14	Ø3/4" x 26"	Ø8 1/2"
4"	15'	W - 5/16"	20.90	15.05	11.53	9.19	7.52	6.27	Ø3/4" x 26"	Ø8 1/2"
4"	16'	W - 5/16"	19.14	13.68	10.40	8.21	6.65	5.48	Ø3/4" x 26"	Ø8 1/2"
4"	17'	W - 5/16"	17.56	12.44	9.37	7.32	5.86	4.77	Ø3/4" x 26"	Ø8 1/2"
4"	18'	W - 5/16"	16.14	11.33	8.44	6.51	5.14	4.11	Ø3/4" x 26"	Ø8 1/2"
4"	19'	W - 5/16"	14.84	10.30	7.58	5.77	4.47	3.50	Ø3/4" x 26"	Ø8 1/2"
4"	20'	W - 5/16"	13.65	9.36	6.79	5.07	3.85	2.93	Ø3/4" x 26"	Ø8 1/2"



**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel  
Round Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	L - 1/8"	29.88	21.94	17.17	13.99	11.72	10.02	Ø3/4" x 26"	Ø10"
5"	11'	L - 1/8"	26.58	19.40	15.09	12.22	10.16	8.62	Ø3/4" x 26"	Ø10"
5"	12'	L - 1/8"	23.81	17.26	13.32	10.70	8.83	7.43	Ø3/4" x 26"	Ø10"
5"	13'	L - 1/8"	21.43	15.41	11.80	9.39	7.67	6.38	Ø3/4" x 26"	Ø10"
5"	14'	L - 1/8"	19.37	13.80	10.46	8.24	6.65	5.45	Ø3/4" x 26"	Ø10"
5"	15'	L - 1/8"	17.55	12.38	9.28	7.21	5.73	4.62	Ø3/4" x 26"	Ø10"
5"	16'	L - 1/8"	15.94	11.11	8.21	6.27	4.89	3.86	Ø3/4" x 26"	Ø10"
5"	17'	L - 1/8"	14.48	9.95	7.23	5.42	4.13	3.16	Ø3/4" x 26"	Ø10"
5"	18'	L - 1/8"	13.17	8.90	6.34	4.64	3.42	2.51	Ø3/4" x 26"	Ø10"
5"	19'	L - 1/8"	11.96	7.94	5.52	3.91	2.76		Ø3/4" x 26"	Ø10"
5"	20'	L - 1/8"	10.85	7.04	4.75	3.23	2.14		Ø3/4" x 26"	Ø10"
5"	21'	L - 1/8"	9.82	6.21	4.04	2.59			Ø1" x 36"	Ø11.5"
5"	22'	L - 1/8"	8.86	5.43	3.36				Ø1" x 36"	Ø11.5"
5"	23'	L - 1/8"	7.97	4.69	2.72				Ø1" x 36"	Ø11.5"
5"	24'	L - 1/8"	7.12	3.99	2.12				Ø1" x 36"	Ø11.5"
5"	25'	L - 1/8"	6.32	3.33					Ø1" x 36"	Ø11.5"
5"	26'	L - 1/8"	5.56	2.70					Ø1" x 36"	Ø11.5"
5"	27'	L - 1/8"	4.84	2.10					Ø1" x 36"	Ø11.5"
5"	28'	L - 1/8"	4.15						Ø1" x 36"	Ø11.5"
5"	29'	L - 1/8"	3.49						Ø1" x 36"	Ø11.5"
5"	30'	L - 1/8"	2.86						Ø1" x 36"	Ø11.5"

5"	10'	M - 3/16"	40.00	32.32	25.48	20.92	17.66	15.21	Ø3/4" x 26"	Ø10"
5"	11'	M - 3/16"	39.10	28.79	22.60	18.48	15.53	13.32	Ø3/4" x 26"	Ø10"
5"	12'	M - 3/16"	35.23	25.82	20.18	16.42	13.73	11.71	Ø3/4" x 26"	Ø10"
5"	13'	M - 3/16"	31.93	23.29	18.10	14.64	12.17	10.32	Ø3/4" x 26"	Ø10"
5"	14'	M - 3/16"	29.08	21.09	16.29	13.09	10.81	9.10	Ø3/4" x 26"	Ø10"
5"	15'	M - 3/16"	26.58	19.15	14.69	11.72	9.60	8.01	Ø3/4" x 26"	Ø10"
5"	16'	M - 3/16"	24.37	17.43	13.27	10.49	8.51	7.02	Ø3/4" x 26"	Ø10"
5"	17'	M - 3/16"	22.40	15.89	11.98	9.38	7.52	6.12	Ø3/4" x 26"	Ø10"
5"	18'	M - 3/16"	20.61	14.49	10.81	8.36	6.61	5.30	Ø3/4" x 26"	Ø10"
5"	19'	M - 3/16"	18.99	13.21	9.74	7.43	5.78	4.54	Ø3/4" x 26"	Ø10"
5"	20'	M - 3/16"	17.51	12.04	8.75	6.56	5.00	3.82	Ø3/4" x 26"	Ø10"
5"	21'	M - 3/16"	16.14	10.95	7.83	5.75	4.27	3.16	Ø1" x 36"	Ø11.5"
5"	22'	M - 3/16"	14.88	9.94	6.97	5.00	3.58	2.52	Ø1" x 36"	Ø11.5"
5"	23'	M - 3/16"	13.70	8.99	6.16	4.28	2.94		Ø1" x 36"	Ø11.5"
5"	24'	M - 3/16"	12.59	8.10	5.40	3.60	2.32		Ø1" x 36"	Ø11.5"
5"	25'	M - 3/16"	11.56	7.26	4.68	2.96			Ø1" x 36"	Ø11.5"
5"	26'	M - 3/16"	10.58	6.46	3.99	2.35			Ø1" x 36"	Ø11.5"
5"	27'	M - 3/16"	9.65	5.71	3.34				Ø1" x 36"	Ø11.5"
5"	28'	M - 3/16"	8.77	4.98	2.71				Ø1" x 36"	Ø11.5"
5"	29'	M - 3/16"	7.93	4.29	2.11				Ø1" x 36"	Ø11.5"
5"	30'	M - 3/16"	7.13	3.63					Ø1" x 36"	Ø11.5"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel  
Round Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	H - 1/4"	40.00	40.00	33.01	27.19	23.03	19.92	Ø3/4" x 26"	Ø10"
5"	11'	H - 1/4"	40.00	37.30	29.41	24.15	20.39	17.57	Ø3/4" x 26"	Ø10"
5"	12'	H - 1/4"	40.00	33.58	26.39	21.59	18.16	15.59	Ø3/4" x 26"	Ø10"
5"	13'	H - 1/4"	40.00	30.42	23.81	19.40	16.25	13.89	Ø3/4" x 26"	Ø10"
5"	14'	H - 1/4"	37.88	27.68	21.57	17.49	14.58	12.40	Ø3/4" x 26"	Ø10"
5"	15'	H - 1/4"	34.76	25.29	19.60	15.81	13.10	11.07	Ø3/4" x 26"	Ø10"
5"	16'	H - 1/4"	32.01	23.16	17.85	14.31	11.78	9.89	Ø3/4" x 26"	Ø10"
5"	17'	H - 1/4"	29.56	21.26	16.28	12.96	10.59	8.81	Ø3/4" x 26"	Ø10"
5"	18'	H - 1/4"	27.36	19.55	14.86	11.74	9.50	7.83	Ø3/4" x 26"	Ø10"
5"	19'	H - 1/4"	25.36	17.99	13.56	10.61	8.50	6.92	Ø3/4" x 26"	Ø10"
5"	20'	H - 1/4"	23.54	16.56	12.37	9.58	7.58	6.09	Ø3/4" x 26"	Ø10"
5"	21'	H - 1/4"	21.87	15.24	11.26	8.61	6.72	5.30	Ø1" x 36"	Ø11.5"
5"	22'	H - 1/4"	20.32	14.02	10.24	7.72	5.92	4.57	Ø1" x 36"	Ø11.5"
5"	23'	H - 1/4"	18.89	12.88	9.28	6.88	5.16	3.87	Ø1" x 36"	Ø11.5"
5"	24'	H - 1/4"	17.55	11.81	8.37	6.08	4.44	3.21	Ø1" x 36"	Ø11.5"
5"	25'	H - 1/4"	16.30	10.81	7.52	5.33	3.76	2.59	Ø1" x 36"	Ø11.5"
5"	26'	H - 1/4"	15.12	9.87	6.72	4.62	3.12		Ø1" x 36"	Ø11.5"
5"	27'	H - 1/4"	14.00	8.97	5.95	3.93	2.50		Ø1" x 36"	Ø11.5"
5"	28'	H - 1/4"	12.95	8.12	5.22	3.28			Ø1" x 36"	Ø11.5"
5"	29'	H - 1/4"	11.95	7.30	4.52	2.66			Ø1" x 36"	Ø11.5"
5"	30'	H - 1/4"	11.00	6.53	3.84	2.06			Ø1" x 36"	Ø11.5"

5"	10'	W - 5/16"	40.00	40.00	39.85	32.89	27.92	24.19	Ø3/4" x 26"	Ø10"
5"	11'	W - 5/16"	40.00	40.00	35.59	29.30	24.81	21.44	Ø3/4" x 26"	Ø10"
5"	12'	W - 5/16"	40.00	40.64	32.03	26.29	22.19	19.12	Ø3/4" x 26"	Ø10"
5"	13'	W - 5/16"	40.00	36.90	28.99	23.72	19.95	17.13	Ø3/4" x 26"	Ø10"
5"	14'	W - 5/16"	40.00	33.68	26.36	21.49	18.00	15.39	Ø3/4" x 26"	Ø10"
5"	15'	W - 5/16"	40.00	30.86	24.06	19.53	16.29	13.86	Ø3/4" x 26"	Ø10"
5"	16'	W - 5/16"	38.96	28.37	22.02	17.78	14.76	12.49	Ø3/4" x 26"	Ø10"
5"	17'	W - 5/16"	36.07	26.15	20.19	16.22	13.38	11.25	Ø3/4" x 26"	Ø10"
5"	18'	W - 5/16"	33.49	24.14	18.54	14.80	12.13	10.13	Ø3/4" x 26"	Ø10"
5"	19'	W - 5/16"	31.15	22.33	17.03	13.50	10.98	9.09	Ø3/4" x 26"	Ø10"
5"	20'	W - 5/16"	29.02	20.67	15.65	12.31	9.93	8.14	Ø3/4" x 26"	Ø10"
5"	21'	W - 5/16"	27.06	19.14	14.38	11.21	8.95	7.25	Ø1" x 36"	Ø11.5"
5"	22'	W - 5/16"	25.26	17.73	13.20	10.19	8.03	6.42	Ø1" x 36"	Ø11.5"
5"	23'	W - 5/16"	23.60	16.41	12.10	9.23	7.18	5.64	Ø1" x 36"	Ø11.5"
5"	24'	W - 5/16"	22.04	15.19	11.07	8.33	6.37	4.90	Ø1" x 36"	Ø11.5"
5"	25'	W - 5/16"	20.59	14.04	10.10	7.48	5.61	4.20	Ø1" x 36"	Ø11.5"
5"	26'	W - 5/16"	19.23	12.95	9.19	6.67	4.88	3.53	Ø1" x 36"	Ø11.5"
5"	27'	W - 5/16"	17.95	11.93	8.32	5.91	4.19	2.90	Ø1" x 36"	Ø11.5"
5"	28'	W - 5/16"	16.74	10.96	7.49	5.18	3.53	2.29	Ø1" x 36"	Ø11.5"
5"	29'	W - 5/16"	15.59	10.04	6.70	4.48	2.89		Ø1" x 36"	Ø11.5"
5"	30'	W - 5/16"	14.50	9.15	5.95	3.81	2.28		Ø1" x 36"	Ø11.5"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel  
Round Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
6"	10'	L - 1/8"	28.80	21.03	16.37	13.34	11.33	9.83	Ø3/4" x 26"	Ø10"
6"	11'	L - 1/8"	25.52	18.50	14.28	11.56	9.79	8.47	Ø3/4" x 26"	Ø10"
6"	12'	L - 1/8"	22.76	16.35	12.50	10.04	8.47	7.31	Ø3/4" x 26"	Ø10"
6"	13'	L - 1/8"	20.39	14.50	10.96	8.72	7.33	6.29	Ø3/4" x 26"	Ø10"
6"	14'	L - 1/8"	18.32	12.87	9.60	7.54	6.31	5.39	Ø3/4" x 26"	Ø10"
6"	15'	L - 1/8"	16.49	11.43	8.39	6.49	5.39	4.58	Ø3/4" x 26"	Ø10"
6"	16'	L - 1/8"	14.86	10.13	7.29	5.54	4.56	3.84	Ø3/4" x 26"	Ø10"
6"	17'	L - 1/8"	13.39	8.95	6.28	4.66	3.79	3.16	Ø3/4" x 26"	Ø10"
6"	18'	L - 1/8"	12.05	7.87	5.36	3.85	3.09	2.53	Ø3/4" x 26"	Ø10"
6"	19'	L - 1/8"	10.81	6.87	4.50	3.10	2.43		Ø3/4" x 26"	Ø10"
6"	20'	L - 1/8"	9.68	5.94	3.70	2.39			Ø3/4" x 26"	Ø10"
6"	21'	L - 1/8"	8.62	5.07	2.95				Ø1" x 36"	Ø14"
6"	22'	L - 1/8"	7.63	4.26	2.23				Ø1" x 36"	Ø14"
6"	23'	L - 1/8"	6.70	3.49					Ø1" x 36"	Ø14"
6"	24'	L - 1/8"	5.82	2.75					Ø1" x 36"	Ø14"
6"	25'	L - 1/8"	4.99	2.05					Ø1" x 36"	Ø14"
6"	26'	L - 1/8"	4.20						Ø1" x 36"	Ø14"
6"	27'	L - 1/8"	3.44						Ø1" x 36"	Ø14"
6"	28'	L - 1/8"	2.72						Ø1" x 36"	Ø14"
6"	29'	L - 1/8"	2.02						Ø1" x 36"	Ø14"

6"	10'	M - 3/16"	40.00	31.13	24.45	20.07	17.10	14.88	Ø3/4" x 26"	Ø10"
6"	11'	M - 3/16"	37.70	27.63	21.59	17.65	15.01	13.04	Ø3/4" x 26"	Ø10"
6"	12'	M - 3/16"	33.87	24.68	19.17	15.60	13.24	11.48	Ø3/4" x 26"	Ø10"
6"	13'	M - 3/16"	30.60	22.16	17.09	13.82	11.70	10.12	Ø3/4" x 26"	Ø10"
6"	14'	M - 3/16"	27.77	19.96	15.27	12.27	10.36	8.93	Ø3/4" x 26"	Ø10"
6"	15'	M - 3/16"	25.28	18.02	13.66	10.89	9.16	7.87	Ø3/4" x 26"	Ø10"
6"	16'	M - 3/16"	23.07	16.29	12.21	9.64	8.08	6.92	Ø3/4" x 26"	Ø10"
6"	17'	M - 3/16"	21.09	14.73	10.91	8.51	7.10	6.05	Ø3/4" x 26"	Ø10"
6"	18'	M - 3/16"	19.30	13.31	9.71	7.48	6.20	5.25	Ø3/4" x 26"	Ø10"
6"	19'	M - 3/16"	17.67	12.01	8.61	6.52	5.36	4.51	Ø3/4" x 26"	Ø10"
6"	20'	M - 3/16"	16.17	10.81	7.59	5.63	4.59	3.82	Ø3/4" x 26"	Ø10"
6"	21'	M - 3/16"	14.78	9.70	6.64	4.80	3.86	3.17	Ø1" x 36"	Ø14"
6"	22'	M - 3/16"	13.49	8.66	5.75	4.02	3.18	2.56	Ø1" x 36"	Ø14"
6"	23'	M - 3/16"	12.29	7.68	4.91	3.28	2.53		Ø1" x 36"	Ø14"
6"	24'	M - 3/16"	11.16	6.76	4.11	2.58			Ø1" x 36"	Ø14"
6"	25'	M - 3/16"	10.10	5.89	3.36				Ø1" x 36"	Ø14"
6"	26'	M - 3/16"	9.10	5.06	2.63				Ø1" x 36"	Ø14"
6"	27'	M - 3/16"	8.14	4.27					Ø1" x 36"	Ø14"
6"	28'	M - 3/16"	7.23	3.51					Ø1" x 36"	Ø14"
6"	29'	M - 3/16"	6.36	2.78					Ø1" x 36"	Ø14"
6"	30'	M - 3/16"	5.53	2.08					Ø1" x 36"	Ø14"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel  
Round Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
6"	10'	H - 1/4"	40.00	40.25	31.75	26.15	22.31	19.44	Ø3/4" x 26"	Ø10"
6"	11'	H - 1/4"	40.00	35.88	28.19	23.15	19.72	17.16	Ø3/4" x 26"	Ø10"
6"	12'	H - 1/4"	40.00	32.21	25.19	20.61	17.54	15.24	Ø3/4" x 26"	Ø10"
6"	13'	H - 1/4"	39.82	29.07	22.62	18.43	15.65	13.58	Ø3/4" x 26"	Ø10"
6"	14'	H - 1/4"	36.30	26.35	20.39	16.53	14.01	12.13	Ø3/4" x 26"	Ø10"
6"	15'	H - 1/4"	33.21	23.97	18.42	14.85	12.56	10.85	Ø3/4" x 26"	Ø10"
6"	16'	H - 1/4"	30.48	21.84	16.66	13.35	11.25	9.70	Ø3/4" x 26"	Ø10"
6"	17'	H - 1/4"	28.04	19.94	15.08	11.99	10.08	8.66	Ø3/4" x 26"	Ø10"
6"	18'	H - 1/4"	25.85	18.22	13.64	10.75	9.00	7.71	Ø3/4" x 26"	Ø10"
6"	19'	H - 1/4"	23.85	16.64	12.32	9.61	8.01	6.83	Ø3/4" x 26"	Ø10"
6"	20'	H - 1/4"	22.02	15.20	11.11	8.56	7.10	6.02	Ø3/4" x 26"	Ø10"
6"	21'	H - 1/4"	20.34	13.86	9.98	7.58	6.24	5.26	Ø1" x 36"	Ø14"
6"	22'	H - 1/4"	18.78	12.62	8.92	6.66	5.44	4.55	Ø1" x 36"	Ø14"
6"	23'	H - 1/4"	17.34	11.46	7.94	5.80	4.69	3.88	Ø1" x 36"	Ø14"
6"	24'	H - 1/4"	15.98	10.37	7.00	4.98	3.98	3.24	Ø1" x 36"	Ø14"
6"	25'	H - 1/4"	14.71	9.34	6.12	4.21	3.30	2.64	Ø1" x 36"	Ø14"
6"	26'	H - 1/4"	13.51	8.37	5.28	3.47	2.65	2.06	Ø1" x 36"	Ø14"
6"	27'	H - 1/4"	12.38	7.44	4.48	2.76	2.03		Ø1" x 36"	Ø14"
6"	28'	H - 1/4"	11.30	6.56	3.72	2.09			Ø1" x 36"	Ø14"
6"	29'	H - 1/4"	10.28	5.72	2.98				Ø1" x 36"	Ø14"
6"	30'	H - 1/4"	9.30	4.91	2.27				Ø1" x 36"	Ø14"

6"	10'	W - 5/16"	40.00	40.00	40.00	40.00	38.80	33.87	Ø3/4" x 26"	Ø10"
6"	11'	W - 5/16"	40.00	40.00	40.00	40.54	34.63	30.21	Ø3/4" x 26"	Ø10"
6"	12'	W - 5/16"	40.00	40.00	40.00	36.48	31.13	27.14	Ø3/4" x 26"	Ø10"
6"	13'	W - 5/16"	40.00	40.00	40.12	33.02	28.15	24.52	Ø3/4" x 26"	Ø10"
6"	14'	W - 5/16"	40.00	40.00	36.57	30.02	25.57	22.25	Ø3/4" x 26"	Ø10"
6"	15'	W - 5/16"	40.00	40.00	33.47	27.39	23.31	20.26	Ø3/4" x 26"	Ø10"
6"	16'	W - 5/16"	40.00	39.42	30.72	25.07	21.30	18.49	Ø3/4" x 26"	Ø10"
6"	17'	W - 5/16"	40.00	36.43	28.27	22.98	19.50	16.90	Ø3/4" x 26"	Ø10"
6"	18'	W - 5/16"	40.00	33.74	26.06	21.10	17.87	15.47	Ø3/4" x 26"	Ø10"
6"	19'	W - 5/16"	40.00	31.30	24.05	19.39	16.39	14.16	Ø3/4" x 26"	Ø10"
6"	20'	W - 5/16"	40.53	29.08	22.21	17.82	15.03	12.96	Ø3/4" x 26"	Ø10"
6"	21'	W - 5/16"	37.91	27.04	20.52	16.37	13.77	11.85	Ø1" x 36"	Ø14"
6"	22'	W - 5/16"	35.50	25.16	18.96	15.02	12.61	10.82	Ø1" x 36"	Ø14"
6"	23'	W - 5/16"	33.27	23.42	17.50	13.77	11.52	9.85	Ø1" x 36"	Ø14"
6"	24'	W - 5/16"	31.20	21.79	16.14	12.60	10.50	8.95	Ø1" x 36"	Ø14"
6"	25'	W - 5/16"	29.27	20.26	14.86	11.49	9.54	8.10	Ø1" x 36"	Ø14"
6"	26'	W - 5/16"	27.46	18.83	13.65	10.45	8.63	7.29	Ø1" x 36"	Ø14"
6"	27'	W - 5/16"	25.76	17.48	12.51	9.46	7.77	6.53	Ø1" x 36"	Ø14"
6"	28'	W - 5/16"	24.16	16.21	11.43	8.52	6.95	5.80	Ø1" x 36"	Ø14"
6"	29'	W - 5/16"	22.64	14.99	10.40	7.62	6.16	5.10	Ø1" x 36"	Ø14"
6"	30'	W - 5/16"	21.20	13.84	9.42	6.76	5.41	4.43	Ø1" x 36"	Ø14"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Square Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
4"	10'	L - 1/8"	4.75	2.65					Ø3/4" x 26"	Ø8 1/2"
4"	11'	L - 1/8"	3.65						Ø3/4" x 26"	Ø8 1/2"
4"	12'	L - 1/8"	2.66						Ø3/4" x 26"	Ø8 1/2"
4"	10'	M - 3/16"	8.85	5.73	3.85	2.61			Ø3/4" x 26"	Ø8 1/2"
4"	11'	M - 3/16"	7.41	4.55	2.83				Ø3/4" x 26"	Ø8 1/2"
4"	12'	M - 3/16"	6.13	3.49					Ø3/4" x 26"	Ø8 1/2"
4"	13'	M - 3/16"	4.97	2.52					Ø3/4" x 26"	Ø8 1/2"
4"	14'	M - 3/16"	3.92						Ø3/4" x 26"	Ø8 1/2"
4"	15'	M - 3/16"	2.94						Ø3/4" x 26"	Ø8 1/2"
4"	16'	M - 3/16"	2.04						Ø3/4" x 26"	Ø8 1/2"
4"	10'	H - 1/4"	12.22	8.25	5.87	4.29	3.15	2.30	Ø3/4" x 26"	Ø8 1/2"
4"	11'	H - 1/4"	10.49	6.86	4.68	3.23	2.19		Ø3/4" x 26"	Ø8 1/2"
4"	12'	H - 1/4"	8.97	5.62	3.61	2.27			Ø3/4" x 26"	Ø8 1/2"
4"	13'	H - 1/4"	7.61	4.50	2.63				Ø3/4" x 26"	Ø8 1/2"
4"	14'	H - 1/4"	6.38	3.48					Ø3/4" x 26"	Ø8 1/2"
4"	15'	H - 1/4"	5.25	2.53					Ø3/4" x 26"	Ø8 1/2"
4"	16'	H - 1/4"	4.21						Ø3/4" x 26"	Ø8 1/2"
4"	17'	H - 1/4"	3.24						Ø3/4" x 26"	Ø8 1/2"
4"	18'	H - 1/4"	2.33						Ø3/4" x 26"	Ø8 1/2"
5"	10'	L - 1/8"	8.45	5.20	3.25				Ø3/4" x 26"	Ø10"
5"	11'	L - 1/8"	6.87	3.89	2.10				Ø3/4" x 26"	Ø10"
5"	12'	L - 1/8"	5.45	2.70					Ø3/4" x 26"	Ø10"
5"	13'	L - 1/8"	4.17						Ø3/4" x 26"	Ø10"
5"	14'	L - 1/8"	2.98						Ø3/4" x 26"	Ø10"
5"	10'	M - 3/16"	14.76	9.93	7.03	5.10	3.72	2.69	Ø3/4" x 26"	Ø10"
5"	11'	M - 3/16"	12.64	8.22	5.57	3.80	2.53		Ø3/4" x 26"	Ø10"
5"	12'	M - 3/16"	10.78	6.70	4.25	2.62			Ø3/4" x 26"	Ø10"
5"	13'	M - 3/16"	9.11	5.32	3.05				Ø3/4" x 26"	Ø10"
5"	14'	M - 3/16"	7.60	4.06					Ø3/4" x 26"	Ø10"
5"	15'	M - 3/16"	6.21	2.90					Ø3/4" x 26"	Ø10"
5"	16'	M - 3/16"	4.93						Ø3/4" x 26"	Ø10"
5"	17'	M - 3/16"	3.74						Ø3/4" x 26"	Ø10"
5"	18'	M - 3/16"	2.61						Ø3/4" x 26"	Ø10"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Square Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
5"	10'	H - 1/4"	19.79	13.70	10.05	7.62	5.88	4.58	Ø3/4" x 26"	Ø10"
5"	11'	H - 1/4"	17.26	11.68	8.33	6.10	4.51	3.32	Ø3/4" x 26"	Ø10"
5"	12'	H - 1/4"	15.04	9.89	6.80	4.75	3.28	2.17	Ø3/4" x 26"	Ø10"
5"	13'	H - 1/4"	13.07	8.29	5.42	3.51	2.14		Ø3/4" x 26"	Ø10"
5"	14'	H - 1/4"	11.29	6.83	4.15	2.37			Ø3/4" x 26"	Ø10"
5"	15'	H - 1/4"	9.67	5.49	2.98				Ø3/4" x 26"	Ø10"
5"	16'	H - 1/4"	8.18	4.25					Ø3/4" x 26"	Ø10"
5"	17'	H - 1/4"	6.81	3.09					Ø3/4" x 26"	Ø10"
5"	18'	H - 1/4"	5.52	2.01					Ø3/4" x 26"	Ø10"
5"	19'	H - 1/4"	4.32						Ø3/4" x 26"	Ø10"
5"	20'	H - 1/4"	3.18						Ø3/4" x 26"	Ø10"
6"	10'	M - 3/16"	24.03	16.66	12.23	9.28	7.18	5.60	Ø3/4" x 26"	Ø11.5"
6"	11'	M - 3/16"	20.97	14.21	10.16	7.45	5.52	4.08	Ø3/4" x 26"	Ø11.5"
6"	12'	M - 3/16"	18.29	12.05	8.31	5.81	4.03	2.70	Ø3/4" x 26"	Ø11.5"
6"	13'	M - 3/16"	15.90	10.11	6.64	4.32	2.67		Ø3/4" x 26"	Ø11.5"
6"	14'	M - 3/16"	13.75	8.35	5.11	2.95			Ø3/4" x 26"	Ø11.5"
6"	15'	M - 3/16"	11.80	6.74	3.70				Ø3/4" x 26"	Ø11.5"
6"	16'	M - 3/16"	10.00	5.24	2.38				Ø3/4" x 26"	Ø11.5"
6"	17'	M - 3/16"	8.34	3.84					Ø3/4" x 26"	Ø11.5"
6"	18'	M - 3/16"	6.79	2.53					Ø3/4" x 26"	Ø11.5"
6"	19'	M - 3/16"	5.33						Ø3/4" x 26"	Ø11.5"
6"	20'	M - 3/16"	3.96						Ø3/4" x 26"	Ø11.5"
6"	21'	M - 3/16"	2.65						Ø1" x 36"	Ø14"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Square Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	22.99	16.35	12.36	9.70	7.81	6.38	Ø3/4" x 26"	Ø8 1/2"
4"	11'	L - 1/8"	20.02	14.02	10.42	8.02	6.30	5.02	Ø3/4" x 26"	Ø8 1/2"
4"	12'	L - 1/8"	17.49	12.02	8.74	6.55	4.99	3.82	Ø3/4" x 26"	Ø8 1/2"
4"	13'	L - 1/8"	15.30	10.28	7.26	5.26	3.82	2.74	Ø3/4" x 26"	Ø8 1/2"
4"	14'	L - 1/8"	13.37	8.73	5.95	4.09	2.76		Ø3/4" x 26"	Ø8 1/2"
4"	15'	L - 1/8"	11.65	7.34	4.75	3.03			Ø3/4" x 26"	Ø8 1/2"
4"	16'	L - 1/8"	10.09	6.07	3.66	2.05			Ø3/4" x 26"	Ø8 1/2"
4"	17'	L - 1/8"	8.68	4.91	2.65				Ø3/4" x 26"	Ø8 1/2"
4"	18'	L - 1/8"	7.37	3.83					Ø3/4" x 26"	Ø8 1/2"
4"	19'	L - 1/8"	6.16	2.82					Ø3/4" x 26"	Ø8 1/2"
4"	20'	L - 1/8"	5.03						Ø3/4" x 26"	Ø8 1/2"
4"	21'	L - 1/8"	3.97						Ø1" x 36"	Ø10"
4"	22'	L - 1/8"	2.96						Ø1" x 36"	Ø10"
4"	23'	L - 1/8"	2.01						Ø1" x 36"	Ø10"
4"	10'	M - 3/16"	33.57	24.28	18.71	14.99	12.34	10.35	Ø3/4" x 26"	Ø8 1/2"
4"	11'	M - 3/16"	29.58	21.19	16.15	12.80	10.40	8.60	Ø3/4" x 26"	Ø8 1/2"
4"	12'	M - 3/16"	26.21	18.56	13.97	10.91	8.72	7.08	Ø3/4" x 26"	Ø8 1/2"
4"	13'	M - 3/16"	23.31	16.28	12.07	9.26	7.25	5.75	Ø3/4" x 26"	Ø8 1/2"
4"	14'	M - 3/16"	20.77	14.28	10.39	7.79	5.93	4.54	Ø3/4" x 26"	Ø8 1/2"
4"	15'	M - 3/16"	18.53	12.50	8.88	6.47	4.74	3.45	Ø3/4" x 26"	Ø8 1/2"
4"	16'	M - 3/16"	16.52	10.89	7.51	5.26	3.65	2.45	Ø3/4" x 26"	Ø8 1/2"
4"	17'	M - 3/16"	14.69	9.42	6.26	4.15	2.64		Ø3/4" x 26"	Ø8 1/2"
4"	18'	M - 3/16"	13.03	8.07	5.10	3.12			Ø3/4" x 26"	Ø8 1/2"
4"	19'	M - 3/16"	11.50	6.82	4.02	2.15			Ø3/4" x 26"	Ø8 1/2"
4"	20'	M - 3/16"	10.08	5.66	3.01				Ø3/4" x 26"	Ø8 1/2"
4"	21'	M - 3/16"	8.76	4.57	2.05				Ø1" x 36"	Ø10"
4"	22'	M - 3/16"	7.52	3.53					Ø1" x 36"	Ø10"
4"	23'	M - 3/16"	6.34	2.56					Ø1" x 36"	Ø10"
4"	24'	M - 3/16"	5.23						Ø1" x 36"	Ø10"
4"	10'	W - 5/16"	40.00	38.08	29.74	24.19	20.22	17.25	Ø3/4" x 26"	Ø8 1/2"
4"	11'	W - 5/16"	40.00	33.66	26.13	21.11	17.52	14.83	Ø3/4" x 26"	Ø8 1/2"
4"	12'	W - 5/16"	40.00	29.93	23.06	18.49	15.22	12.77	Ø3/4" x 26"	Ø8 1/2"
4"	13'	W - 5/16"	37.23	26.72	20.42	16.22	13.22	10.97	Ø3/4" x 26"	Ø8 1/2"
4"	14'	W - 5/16"	33.64	23.93	18.11	14.22	11.45	9.37	Ø3/4" x 26"	Ø8 1/2"
4"	15'	W - 5/16"	30.48	21.46	16.05	12.44	9.87	7.93	Ø3/4" x 26"	Ø8 1/2"
4"	16'	W - 5/16"	27.67	19.26	14.20	10.84	8.43	6.63	Ø3/4" x 26"	Ø8 1/2"
4"	17'	W - 5/16"	25.15	17.26	12.53	9.38	7.12	5.43	Ø3/4" x 26"	Ø8 1/2"
4"	18'	W - 5/16"	22.86	15.45	11.00	8.03	5.91	4.32	Ø3/4" x 26"	Ø8 1/2"
4"	19'	W - 5/16"	20.77	13.78	9.58	6.78	4.79	3.29	Ø3/4" x 26"	Ø8 1/2"
4"	20'	W - 5/16"	18.85	12.23	8.27	5.62	3.73	2.32	Ø3/4" x 26"	Ø8 1/2"
4"	21'	W - 5/16"	17.07	10.80	7.04	4.53	2.74		Ø1" x 36"	Ø10"
4"	22'	W - 5/16"	15.41	9.45	5.88	3.50			Ø1" x 36"	Ø10"
4"	23'	W - 5/16"	13.85	8.19	4.79	2.52			Ø1" x 36"	Ø10"
4"	24'	W - 5/16"	12.39	6.99	3.75				Ø1" x 36"	Ø10"

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Square Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	L - 1/8"	37.75	27.19	20.86	16.64	13.62	11.36	Ø3/4" x 26"	Ø10"
5"	11'	L - 1/8"	33.19	23.65	17.92	14.10	11.38	9.33	Ø3/4" x 26"	Ø10"
5"	12'	L - 1/8"	29.33	20.62	15.40	11.92	9.43	7.57	Ø3/4" x 26"	Ø10"
5"	13'	L - 1/8"	26.00	18.00	13.20	10.00	7.72	6.01	Ø3/4" x 26"	Ø10"
5"	14'	L - 1/8"	23.09	15.69	11.25	8.30	6.18	4.60	Ø3/4" x 26"	Ø10"
5"	15'	L - 1/8"	20.50	13.63	9.50	6.75	4.79	3.32	Ø3/4" x 26"	Ø10"
5"	16'	L - 1/8"	18.18	11.76	7.91	5.34	3.51	2.13	Ø3/4" x 26"	Ø10"
5"	17'	L - 1/8"	16.08	10.06	6.45	4.04	2.32		Ø3/4" x 26"	Ø10"
5"	18'	L - 1/8"	14.16	8.49	5.10	2.83			Ø3/4" x 26"	Ø10"
5"	19'	L - 1/8"	12.39	7.04	3.83				Ø3/4" x 26"	Ø10"
5"	20'	L - 1/8"	10.74	5.68	2.64				Ø3/4" x 26"	Ø10"
5"	21'	L - 1/8"	9.21	4.40					Ø1" x 36"	Ø11.5"
5"	22'	L - 1/8"	7.76	3.20					Ø1" x 36"	Ø11.5"
5"	23'	L - 1/8"	6.40	2.05					Ø1" x 36"	Ø11.5"
5"	24'	L - 1/8"	5.11						Ø1" x 36"	Ø11.5"
5"	25'	L - 1/8"	3.88						Ø1" x 36"	Ø11.5"
5"	26'	L - 1/8"	2.70						Ø1" x 36"	Ø11.5"
5"	10'	M - 3/16"	40.00	40.00	32.88	26.66	22.21	18.87	Ø3/4" x 26"	Ø10"
5"	11'	M - 3/16"	40.00	37.23	28.79	23.16	19.14	16.12	Ø3/4" x 26"	Ø10"
5"	12'	M - 3/16"	40.00	33.02	25.32	20.18	16.52	13.77	Ø3/4" x 26"	Ø10"
5"	13'	M - 3/16"	40.00	29.39	22.32	17.60	14.23	11.70	Ø3/4" x 26"	Ø10"
5"	14'	M - 3/16"	37.13	26.23	19.68	15.32	12.20	9.87	Ø3/4" x 26"	Ø10"
5"	15'	M - 3/16"	33.56	23.42	17.34	13.28	10.39	8.21	Ø3/4" x 26"	Ø10"
5"	16'	M - 3/16"	30.38	20.91	15.23	11.44	8.74	6.71	Ø3/4" x 26"	Ø10"
5"	17'	M - 3/16"	27.53	18.64	13.32	9.76	7.23	5.32	Ø3/4" x 26"	Ø10"
5"	18'	M - 3/16"	24.93	16.57	11.56	8.22	5.83	4.04	Ø3/4" x 26"	Ø10"
5"	19'	M - 3/16"	22.56	14.67	9.93	6.78	4.52	2.83	Ø3/4" x 26"	Ø10"
5"	20'	M - 3/16"	20.37	12.90	8.42	5.43	3.30		Ø3/4" x 26"	Ø10"
5"	21'	M - 3/16"	18.34	11.26	7.00	4.17	2.14		Ø1" x 36"	Ø11.5"
5"	22'	M - 3/16"	16.46	9.72	5.67	2.97			Ø1" x 36"	Ø11.5"
5"	23'	M - 3/16"	14.69	8.26	4.41				Ø1" x 36"	Ø11.5"
5"	24'	M - 3/16"	13.02	6.89	3.21				Ø1" x 36"	Ø11.5"
5"	25'	M - 3/16"	11.45	5.58	2.06				Ø1" x 36"	Ø11.5"
5"	26'	M - 3/16"	9.95	4.34					Ø1" x 36"	Ø11.5"
5"	27'	M - 3/16"	8.53	3.14					Ø1" x 36"	Ø11.5"
5"	28'	M - 3/16"	7.17						Ø1" x 36"	Ø11.5"
5"	29'	M - 3/16"	5.86						Ø1" x 36"	Ø11.5"
5"	30'	M - 3/16"	4.61						Ø1" x 36"	Ø11.5"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Square Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	H - 1/4"	40.00	40.00	40.00	34.49	28.92	24.74	Ø3/4" x 26"	Ø10"
5"	11'	H - 1/4"	40.00	40.00	37.28	30.24	25.21	21.43	Ø3/4" x 26"	Ø10"
5"	12'	H - 1/4"	40.00	40.00	33.07	26.64	22.05	18.61	Ø3/4" x 26"	Ø10"
5"	13'	H - 1/4"	40.00	38.29	29.44	23.53	19.32	16.15	Ø3/4" x 26"	Ø10"
5"	14'	H - 1/4"	40.00	34.46	26.27	20.81	16.91	13.98	Ø3/4" x 26"	Ø10"
5"	15'	H - 1/4"	40.00	31.08	23.46	18.39	14.76	12.04	Ø3/4" x 26"	Ø10"
5"	16'	H - 1/4"	39.92	28.06	20.95	16.21	12.82	10.28	Ø3/4" x 26"	Ø10"
5"	17'	H - 1/4"	36.47	25.35	18.68	14.23	11.06	8.68	Ø3/4" x 26"	Ø10"
5"	18'	H - 1/4"	33.34	22.88	16.61	12.42	9.43	7.19	Ø3/4" x 26"	Ø10"
5"	19'	H - 1/4"	30.50	20.62	14.70	10.75	7.93	5.81	Ø3/4" x 26"	Ø10"
5"	20'	H - 1/4"	27.89	18.54	12.93	9.19	6.52	4.52	Ø3/4" x 26"	Ø10"
5"	21'	H - 1/4"	25.48	16.61	11.29	7.74	5.20	3.30	Ø1" x 36"	Ø11.5"
5"	22'	H - 1/4"	23.24	14.81	9.74	6.37	3.96	2.15	Ø1" x 36"	Ø11.5"
5"	23'	H - 1/4"	21.16	13.11	8.29	5.07	2.78		Ø1" x 36"	Ø11.5"
5"	24'	H - 1/4"	19.20	11.52	6.91	3.84			Ø1" x 36"	Ø11.5"
5"	25'	H - 1/4"	17.35	10.01	5.61	2.67			Ø1" x 36"	Ø11.5"
5"	26'	H - 1/4"	15.61	8.58	4.36				Ø1" x 36"	Ø11.5"
5"	27'	H - 1/4"	13.95	7.21	3.16				Ø1" x 36"	Ø11.5"
5"	28'	H - 1/4"	12.37	5.90	2.02				Ø1" x 36"	Ø11.5"
5"	29'	H - 1/4"	10.87	4.65					Ø1" x 36"	Ø11.5"
5"	30'	H - 1/4"	9.42	3.44					Ø1" x 36"	Ø11.5"

5"	10'	W - 5/16"	40.00	40.00	40.00	40.00	40.00	36.64	Ø3/4" x 26"	Ø10"
5"	11'	W - 5/16"	40.00	40.00	40.00	40.00	37.50	32.19	Ø3/4" x 26"	Ø10"
5"	12'	W - 5/16"	40.00	40.00	40.00	39.72	33.26	28.42	Ø3/4" x 26"	Ø10"
5"	13'	W - 5/16"	40.00	40.00	40.00	35.55	29.62	25.17	Ø3/4" x 26"	Ø10"
5"	14'	W - 5/16"	40.00	40.00	39.61	31.93	26.44	22.32	Ø3/4" x 26"	Ø10"
5"	15'	W - 5/16"	40.00	40.00	35.87	28.72	23.62	19.79	Ø3/4" x 26"	Ø10"
5"	16'	W - 5/16"	40.00	40.00	32.54	25.87	21.10	17.52	Ø3/4" x 26"	Ø10"
5"	17'	W - 5/16"	40.00	38.93	29.55	23.29	18.82	15.47	Ø3/4" x 26"	Ø10"
5"	18'	W - 5/16"	40.00	35.67	26.83	20.94	16.74	13.58	Ø3/4" x 26"	Ø10"
5"	19'	W - 5/16"	40.00	32.69	24.35	18.80	14.82	11.85	Ø3/4" x 26"	Ø10"
5"	20'	W - 5/16"	40.00	29.97	22.07	16.81	13.05	10.23	Ø3/4" x 26"	Ø10"
5"	21'	W - 5/16"	39.94	27.45	19.96	14.97	11.40	8.72	Ø1" x 36"	Ø11.5"
5"	22'	W - 5/16"	36.99	25.12	17.99	13.24	9.85	7.31	Ø1" x 36"	Ø11.5"
5"	23'	W - 5/16"	34.26	22.94	16.15	11.63	8.39	5.97	Ø1" x 36"	Ø11.5"
5"	24'	W - 5/16"	31.71	20.90	14.42	10.10	7.01	4.70	Ø1" x 36"	Ø11.5"
5"	25'	W - 5/16"	29.31	18.98	12.78	8.65	5.70	3.49	Ø1" x 36"	Ø11.5"
5"	26'	W - 5/16"	27.06	17.17	11.23	7.28	4.45	2.33	Ø1" x 36"	Ø11.5"
5"	27'	W - 5/16"	24.94	15.45	9.76	5.96	3.25		Ø1" x 36"	Ø11.5"
5"	28'	W - 5/16"	22.92	13.81	8.35	4.70	2.10		Ø1" x 36"	Ø11.5"
5"	29'	W - 5/16"	21.00	12.25	7.00	3.49			Ø1" x 36"	Ø11.5"
5"	30'	W - 5/16"	19.18	10.75	5.70	2.33			Ø1" x 36"	Ø11.5"

Consult factory for reinforcement solutions for higher EPA ratings.

**STRAIGHT POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Square Shape**

Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
6"	10'	M - 3/16"	40.00	40.00	48.36	39.41	33.01	28.21	Ø3/4" x 26"	Ø11.5"
6"	11'	M - 3/16"	40.00	40.00	42.61	34.51	28.72	24.39	Ø3/4" x 26"	Ø11.5"
6"	12'	M - 3/16"	40.00	40.00	37.75	30.36	25.08	21.12	Ø3/4" x 26"	Ø11.5"
6"	13'	M - 3/16"	40.00	40.00	33.56	26.77	21.92	18.28	Ø3/4" x 26"	Ø11.5"
6"	14'	M - 3/16"	40.00	39.33	29.90	23.62	19.13	15.77	Ø3/4" x 26"	Ø11.5"
6"	15'	M - 3/16"	40.00	35.43	26.67	20.82	16.65	13.52	Ø3/4" x 26"	Ø11.5"
6"	16'	M - 3/16"	40.00	31.95	23.76	18.30	14.40	11.48	Ø3/4" x 26"	Ø11.5"
6"	17'	M - 3/16"	40.00	28.82	21.14	16.02	12.36	9.61	Ø3/4" x 26"	Ø11.5"
6"	18'	M - 3/16"	38.03	25.98	18.74	13.92	10.47	7.89	Ø3/4" x 26"	Ø11.5"
6"	19'	M - 3/16"	34.76	23.37	16.53	11.98	8.72	6.28	Ø3/4" x 26"	Ø11.5"
6"	20'	M - 3/16"	31.75	20.96	14.49	10.17	7.09	4.78	Ø3/4" x 26"	Ø11.5"
6"	21'	M - 3/16"	28.97	18.73	12.58	8.48	5.56	3.36	Ø1" x 36"	Ø14"
6"	22'	M - 3/16"	26.39	16.64	10.79	6.89	4.11	2.02	Ø1" x 36"	Ø14"
6"	23'	M - 3/16"	23.99	14.69	9.11	5.39	2.73		Ø1" x 36"	Ø14"
6"	24'	M - 3/16"	21.73	12.84	7.51	3.96			Ø1" x 36"	Ø14"
6"	25'	M - 3/16"	19.60	11.10	6.00	2.59			Ø1" x 36"	Ø14"
6"	26'	M - 3/16"	17.59	9.44	4.55				Ø1" x 36"	Ø14"
6"	27'	M - 3/16"	15.68	7.86	3.16				Ø1" x 36"	Ø14"
6"	28'	M - 3/16"	13.86	6.34					Ø1" x 36"	Ø14"
6"	29'	M - 3/16"	12.12	4.89					Ø1" x 36"	Ø14"
6"	30'	M - 3/16"	10.46	3.49					Ø1" x 36"	Ø14"

6"	10'	H - 1/4"	40.00	40.00	40.00	40.00	40.00	38.05	Ø3/4" x 26"	Ø11.5"
6"	11'	H - 1/4"	40.00	40.00	40.00	40.00	38.89	33.28	Ø3/4" x 26"	Ø11.5"
6"	12'	H - 1/4"	40.00	40.00	40.00	40.00	34.36	29.24	Ø3/4" x 26"	Ø11.5"
6"	13'	H - 1/4"	40.00	40.00	40.00	36.72	30.45	25.74	Ø3/4" x 26"	Ø11.5"
6"	14'	H - 1/4"	40.00	40.00	40.00	32.83	27.03	22.67	Ø3/4" x 26"	Ø11.5"
6"	15'	H - 1/4"	40.00	40.00	36.94	29.39	23.99	19.94	Ø3/4" x 26"	Ø11.5"
6"	16'	H - 1/4"	40.00	40.00	33.37	26.31	21.26	17.48	Ø3/4" x 26"	Ø11.5"
6"	17'	H - 1/4"	40.00	40.00	30.15	23.52	18.79	15.24	Ø3/4" x 26"	Ø11.5"
6"	18'	H - 1/4"	40.00	36.58	27.22	20.99	16.53	13.19	Ø3/4" x 26"	Ø11.5"
6"	19'	H - 1/4"	40.00	33.38	24.55	18.66	14.45	11.29	Ø3/4" x 26"	Ø11.5"
6"	20'	H - 1/4"	40.00	30.45	22.08	16.50	12.51	9.52	Ø3/4" x 26"	Ø11.5"
6"	21'	H - 1/4"	40.00	27.74	19.79	14.49	10.71	7.87	Ø1" x 36"	Ø14"
6"	22'	H - 1/4"	37.83	25.22	17.66	12.61	9.01	6.31	Ø1" x 36"	Ø14"
6"	23'	H - 1/4"	34.89	22.87	15.65	10.84	7.41	4.83	Ø1" x 36"	Ø14"
6"	24'	H - 1/4"	32.15	20.66	13.77	9.17	5.89	3.42	Ø1" x 36"	Ø14"
6"	25'	H - 1/4"	29.57	18.58	11.98	7.58	4.44	2.08	Ø1" x 36"	Ø14"
6"	26'	H - 1/4"	27.15	16.61	10.28	6.07	3.06		Ø1" x 36"	Ø14"
6"	27'	H - 1/4"	24.86	14.74	8.67	4.62			Ø1" x 36"	Ø14"
6"	28'	H - 1/4"	22.68	12.96	7.12	3.23			Ø1" x 36"	Ø14"
6"	29'	H - 1/4"	20.61	11.25	5.64				Ø1" x 36"	Ø14"
6"	30'	H - 1/4"	18.63	9.62	4.21				Ø1" x 36"	Ø14"

Consult factory for reinforcement solutions for higher EPA ratings.





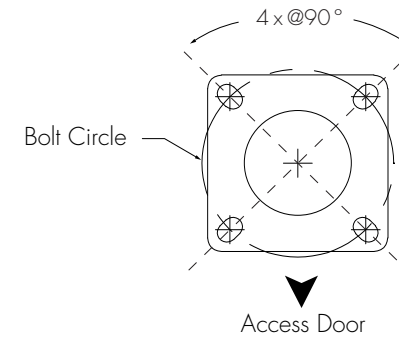
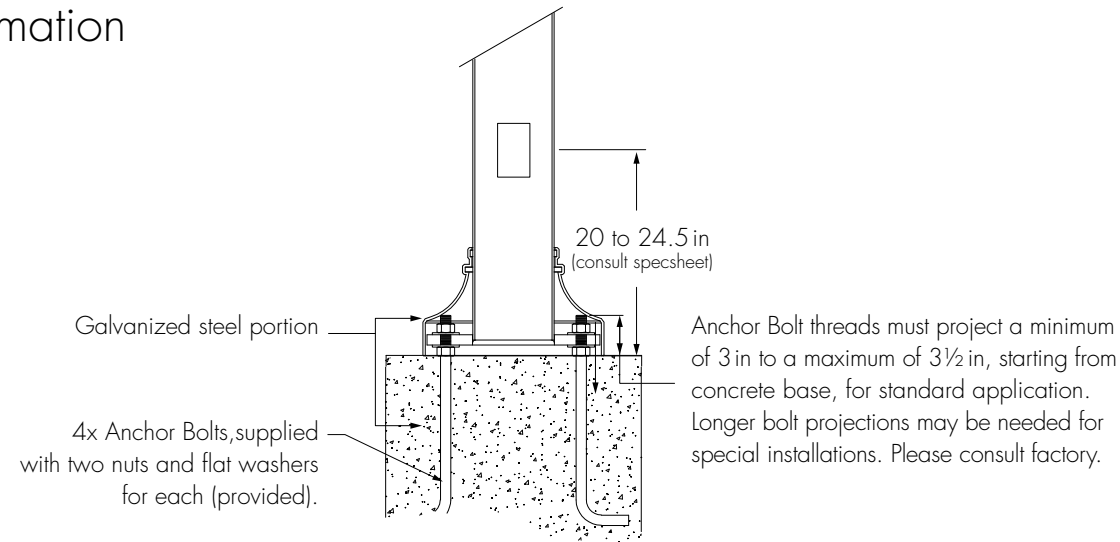
# MUFFLER POLE

## TECHNICAL INFORMATION

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# Muffler Pole

## Technical Information



		Round Shapes			
		4 in.	4 in.	4 in.	5 in.
Wall Thickness*	Aluminium	L - M - H - W	L - M - H - W	L - M - H - W	L - M - H - W
	Steel	L - M - H - W	L - M - H - W	L - M - H - W	L - M - H - W
Maximum Height	Aluminium	Up to 20 ft.	Up to 22 ft.		
	Steel	N/A	Up to 22 ft.		Up to 30 ft.
Compatible Base Cover Options		QF	QB6, QC6, QJ6	QB8, QC8, QM8, QT8	
Compatible Accessories		PLTU, BA, PH			PLTU, BA, PH
Anchor Bolts	Up to 22 ft.	Ø3/4 in. x 26 in.			Ø3/4 in. x 26 in. Ø1 in. x 36 in. (steel only)
	23 ft. to 30 ft.	N/A			Ø1 in. x 36 in. (steel only)
Bolt Circle	Up to 22 ft.	Ø10 in.		Ø11.5 in.	
	23 ft. to 30 ft.	N/A			Ø11.5 in.

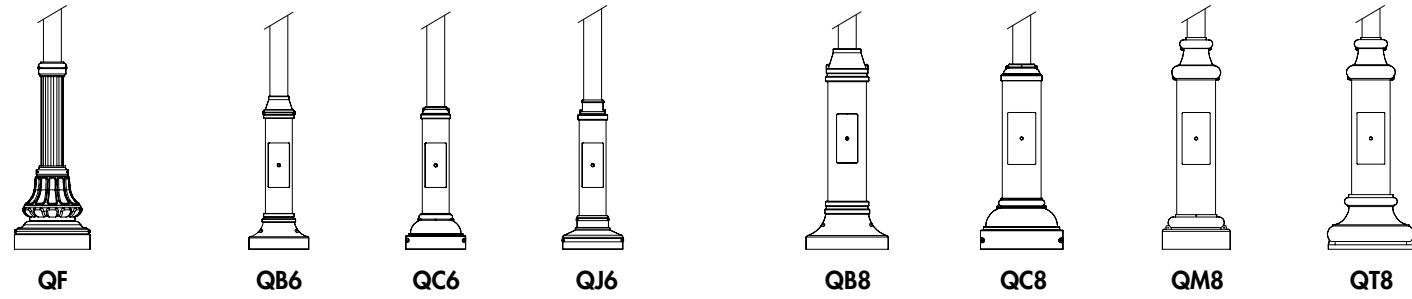
Fluted Shapes			
4 in.	4 in.	4 in.	5 in.
M	M	M	M
N/A	N/A	N/A	N/A
Up to 20 ft.	Up to 22 ft.		
N/A			
QF	QB6, QC6, QJ6	QB8, QC8, QM8, QT8	
BA, PH			BA, PH
Ø3/4 in. x 26 in.			
N/A			
Ø10 in.		Ø11.5 in.	
N/A			

\*For maximum wall thickness and height limitations, please consult the Muffler Pole EPA Rating Table.

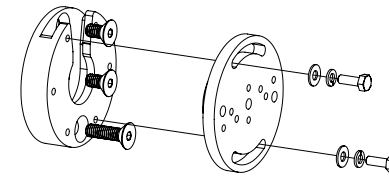
# Muffler Pole

## Technical Information

### Base Cover Options

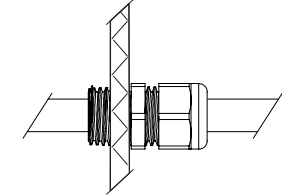


PLTU - Universal Yoke

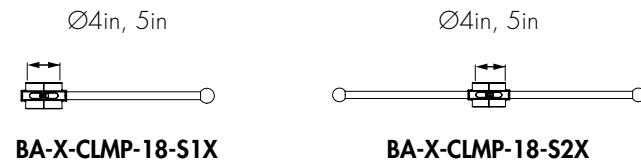


PLTU - Universal Yoke

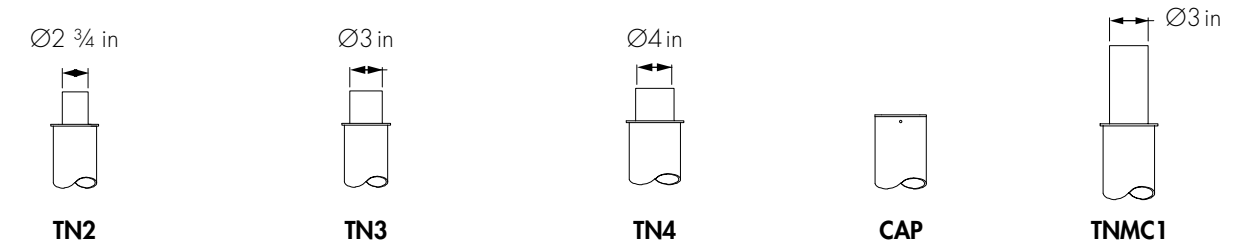
PG - Pressure Glang



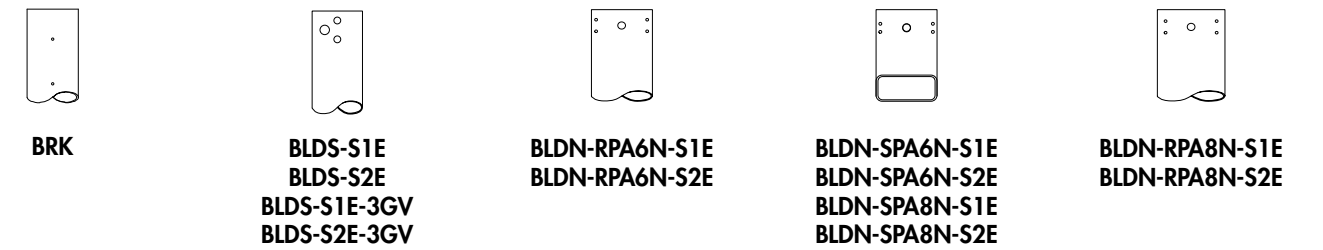
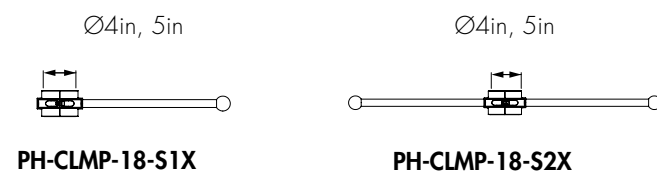
### Banner Arm Accessories



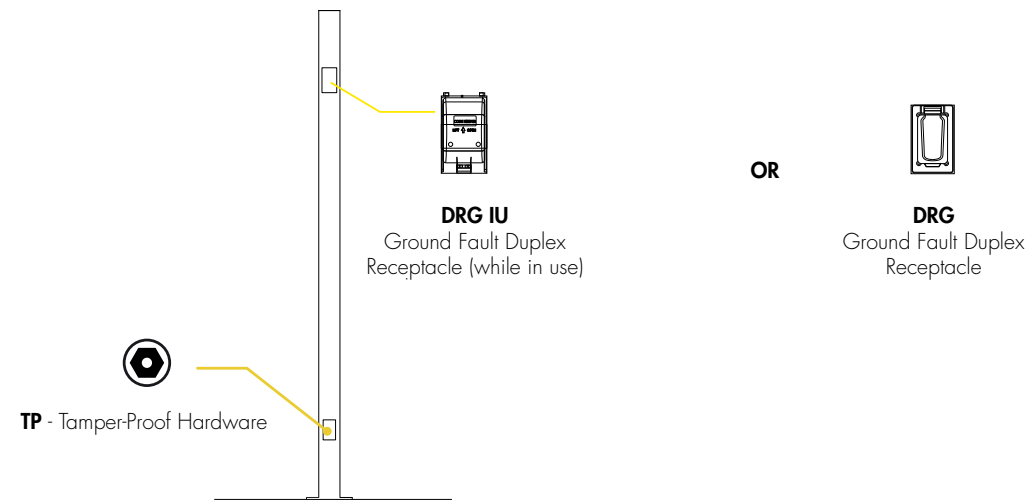
### Pole-Top Options



### Plant Holder Arm Accessories

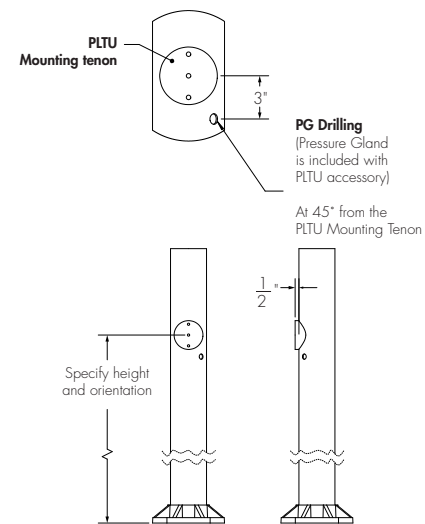


## Other Options

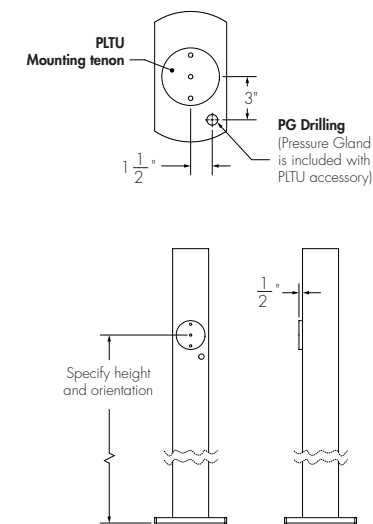


### PLTU - Drilling Pattern

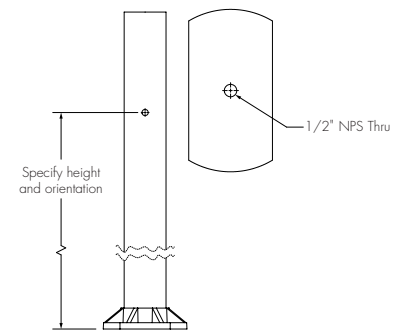
#### Round Pole Shape



#### Square Pole Shape



### PG - Drilling Pattern



## Finish Options

**CRC**

**CRC**- Corrosion-Resistant Coating For Hostile Environments <sup>[1]</sup>

**GALV**

**GALV**- Galvanized Steel <sup>[2]</sup>

[1] Automatically included when a steel pole is specified.

[2] Only available for steel poles with textured finish (immersion marks may occur).

# MUFFLER POLE

EPA RATING TABLE - CSA

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**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q5F Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	9.00	6.45	4.92	3.90	3.18	2.63	Ø3/4" x 26"	Ø10"
4"	11'	L - 1/8"	7.65	5.39	4.03	3.13	2.48		Ø3/4" x 26"	Ø10"
4"	12'	L - 1/8"	6.53	4.50	3.28	2.47			Ø3/4" x 26"	Ø10"
4"	13'	L - 1/8"	5.58	3.74	2.63				Ø3/4" x 26"	Ø10"
4"	14'	L - 1/8"	4.76	3.07	2.06				Ø3/4" x 26"	Ø10"
4"	15'	L - 1/8"	4.03	2.48					Ø3/4" x 26"	Ø10"
4"	16'	L - 1/8"	3.38						Ø3/4" x 26"	Ø10"
4"	17'	L - 1/8"	2.79						Ø3/4" x 26"	Ø10"
4"	18'	L - 1/8"	2.25						Ø3/4" x 26"	Ø10"
4"	10'	M - 3/16"	13.40	9.75	7.56	6.10	5.06	4.28	Ø3/4" x 26"	Ø10"
4"	11'	M - 3/16"	11.55	8.31	6.37	5.08	4.15	3.46	Ø3/4" x 26"	Ø10"
4"	12'	M - 3/16"	10.03	7.12	5.38	4.22	3.39	2.77	Ø3/4" x 26"	Ø10"
4"	13'	M - 3/16"	8.76	6.12	4.54	3.49	2.73	2.17	Ø3/4" x 26"	Ø10"
4"	14'	M - 3/16"	7.66	5.25	3.80	2.84	2.15		Ø3/4" x 26"	Ø10"
4"	15'	M - 3/16"	6.71	4.49	3.15	2.26			Ø3/4" x 26"	Ø10"
4"	16'	M - 3/16"	5.87	3.80	2.57				Ø3/4" x 26"	Ø10"
4"	17'	M - 3/16"	5.11	3.19	2.03				Ø3/4" x 26"	Ø10"
4"	18'	M - 3/16"	4.42	2.62					Ø3/4" x 26"	Ø10"
4"	19'	M - 3/16"	3.79	2.10					Ø3/4" x 26"	Ø10"
4"	20'	M - 3/16"	3.21						Ø3/4" x 26"	Ø10"
4"	21'	M - 3/16"	2.67						Ø3/4" x 26"	Ø10"
4"	22'	M - 3/16"	2.17						Ø3/4" x 26"	Ø10"
4"	10'	H - 1/4"	17.23	12.42	9.54	7.61	6.24	5.21	Ø3/4" x 26"	Ø10"
4"	11'	H - 1/4"	15.06	10.95	8.37	6.61	5.35	4.41	Ø3/4" x 26"	Ø10"
4"	12'	H - 1/4"	13.19	9.49	7.28	5.73	4.57	3.70	Ø3/4" x 26"	Ø10"
4"	13'	H - 1/4"	11.62	8.27	6.26	4.92	3.87	3.06	Ø3/4" x 26"	Ø10"
4"	14'	H - 1/4"	10.29	7.22	5.38	4.15	3.24	2.48	Ø3/4" x 26"	Ø10"
4"	15'	H - 1/4"	9.13	6.30	4.60	3.47	2.66		Ø3/4" x 26"	Ø10"
4"	16'	H - 1/4"	8.11	5.49	3.91	2.86	2.12		Ø3/4" x 26"	Ø10"
4"	17'	H - 1/4"	7.20	4.76	3.29	2.31			Ø3/4" x 26"	Ø10"
4"	18'	H - 1/4"	6.38	4.09	2.72				Ø3/4" x 26"	Ø10"
4"	19'	H - 1/4"	5.64	3.48	2.19				Ø3/4" x 26"	Ø10"
4"	20'	H - 1/4"	4.95	2.92					Ø3/4" x 26"	Ø10"
4"	21'	H - 1/4"	4.32	2.39					Ø3/4" x 26"	Ø10"
4"	22'	H - 1/4"	3.73						Ø3/4" x 26"	Ø10"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q5F Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	W - 5/16"	17.23	12.42	9.54	7.61	6.24	5.21	Ø3/4" x 26"	Ø10"
4"	11'	W - 5/16"	15.42	11.02	8.37	6.61	5.35	4.41	Ø3/4" x 26"	Ø10"
4"	12'	W - 5/16"	13.86	9.80	7.36	5.73	4.57	3.70	Ø3/4" x 26"	Ø10"
4"	13'	W - 5/16"	12.50	8.72	6.46	4.95	3.87	3.06	Ø3/4" x 26"	Ø10"
4"	14'	W - 5/16"	11.29	7.77	5.65	4.25	3.24	2.48	Ø3/4" x 26"	Ø10"
4"	15'	W - 5/16"	10.21	6.91	4.92	3.60	2.66		Ø3/4" x 26"	Ø10"
4"	16'	W - 5/16"	9.23	6.12	4.26	3.01	2.13		Ø3/4" x 26"	Ø10"
4"	17'	W - 5/16"	8.34	5.40	3.64	2.47			Ø3/4" x 26"	Ø10"
4"	18'	W - 5/16"	7.52	4.74	3.07				Ø3/4" x 26"	Ø10"
4"	19'	W - 5/16"	6.76	4.12	2.54				Ø3/4" x 26"	Ø10"
4"	20'	W - 5/16"	6.06	3.54	2.03				Ø3/4" x 26"	Ø10"
4"	21'	W - 5/16"	5.40	3.00					Ø3/4" x 26"	Ø10"
4"	22'	W - 5/16"	4.78	2.48					Ø3/4" x 26"	Ø10"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Fluted Shape - Q5F Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	M - 3/16"	12.44	9.03	6.98	5.62	4.65	3.92	Ø3/4" x 26"	Ø10"
4"	11'	M - 3/16"	10.69	7.67	5.86	4.65	3.79	3.14	Ø3/4" x 26"	Ø10"
4"	12'	M - 3/16"	9.26	6.55	4.92	3.84	3.06	2.48	Ø3/4" x 26"	Ø10"
4"	13'	M - 3/16"	8.06	5.60	4.12	3.14	2.43		Ø3/4" x 26"	Ø10"
4"	14'	M - 3/16"	7.03	4.77	3.42	2.52			Ø3/4" x 26"	Ø10"
4"	15'	M - 3/16"	6.12	4.05	2.80				Ø3/4" x 26"	Ø10"
4"	16'	M - 3/16"	5.32	3.40	2.24				Ø3/4" x 26"	Ø10"
4"	17'	M - 3/16"	4.60	2.81					Ø3/4" x 26"	Ø10"
4"	18'	M - 3/16"	3.95	2.27					Ø3/4" x 26"	Ø10"
4"	19'	M - 3/16"	3.35						Ø3/4" x 26"	Ø10"
4"	20'	M - 3/16"	2.79						Ø3/4" x 26"	Ø10"
4"	21'	M - 3/16"	2.27						Ø3/4" x 26"	Ø10"

MUFFLER POLE EPA RATING TABLE - CSA

MUFFLER POLE EPA RATING TABLE - CSA

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q6 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
4"	10'	L - 1/8"	9.00	6.45	4.92	3.95	3.33	2.87	Ø3/4" x 26"	Ø10"
4"	11'	L - 1/8"	7.65	5.39	4.03	3.18	2.66	2.28	Ø3/4" x 26"	Ø10"
4"	12'	L - 1/8"	6.53	4.50	3.28	2.53	2.09		Ø3/4" x 26"	Ø10"
4"	13'	L - 1/8"	5.58	3.74	2.63				Ø3/4" x 26"	Ø10"
4"	14'	L - 1/8"	4.76	3.07	2.06				Ø3/4" x 26"	Ø10"
4"	15'	L - 1/8"	4.03	2.48					Ø3/4" x 26"	Ø10"
4"	16'	L - 1/8"	3.38						Ø3/4" x 26"	Ø10"
4"	17'	L - 1/8"	2.79						Ø3/4" x 26"	Ø10"
4"	18'	L - 1/8"	2.25						Ø3/4" x 26"	Ø10"

4"	10'	M - 3/16"	13.40	9.75	7.56	6.14	5.21	4.52	Ø3/4" x 26"	Ø10"
4"	11'	M - 3/16"	11.55	8.31	6.37	5.13	4.33	3.74	Ø3/4" x 26"	Ø10"
4"	12'	M - 3/16"	10.03	7.12	5.38	4.28	3.59	3.09	Ø3/4" x 26"	Ø10"
4"	13'	M - 3/16"	8.76	6.12	4.54	3.55	2.96	2.52	Ø3/4" x 26"	Ø10"
4"	14'	M - 3/16"	7.66	5.25	3.80	2.91	2.40	2.03	Ø3/4" x 26"	Ø10"
4"	15'	M - 3/16"	6.71	4.49	3.15	2.34			Ø3/4" x 26"	Ø10"
4"	16'	M - 3/16"	5.87	3.80	2.57				Ø3/4" x 26"	Ø10"
4"	17'	M - 3/16"	5.11	3.19	2.03				Ø3/4" x 26"	Ø10"
4"	18'	M - 3/16"	4.42	2.62					Ø3/4" x 26"	Ø10"
4"	19'	M - 3/16"	3.79	2.10					Ø3/4" x 26"	Ø10"
4"	20'	M - 3/16"	3.21						Ø3/4" x 26"	Ø10"
4"	21'	M - 3/16"	2.67						Ø3/4" x 26"	Ø10"
4"	22'	M - 3/16"	2.17						Ø3/4" x 26"	Ø10"

4"	10'	H - 1/4"	14.70	10.49	7.96	6.35	5.34	4.60	Ø3/4" x 26"	Ø10"
4"	11'	H - 1/4"	13.09	9.23	6.91	5.45	4.56	3.91	Ø3/4" x 26"	Ø10"
4"	12'	H - 1/4"	11.70	8.13	6.00	4.66	3.88	3.30	Ø3/4" x 26"	Ø10"
4"	13'	H - 1/4"	10.47	7.17	5.18	3.96	3.26	2.76	Ø3/4" x 26"	Ø10"
4"	14'	H - 1/4"	9.39	6.30	4.45	3.32	2.71	2.26	Ø3/4" x 26"	Ø10"
4"	15'	H - 1/4"	8.41	5.52	3.79	2.74	2.20		Ø3/4" x 26"	Ø10"
4"	16'	H - 1/4"	7.53	4.81	3.17	2.20			Ø3/4" x 26"	Ø10"
4"	17'	H - 1/4"	6.72	4.15	2.61				Ø3/4" x 26"	Ø10"
4"	18'	H - 1/4"	5.98	3.54	2.08				Ø3/4" x 26"	Ø10"
4"	19'	H - 1/4"	5.29	2.98					Ø3/4" x 26"	Ø10"
4"	20'	H - 1/4"	4.64	2.44					Ø3/4" x 26"	Ø10"
4"	21'	H - 1/4"	4.04						Ø3/4" x 26"	Ø10"
4"	22'	H - 1/4"	3.47						Ø3/4" x 26"	Ø10"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q6 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
4"	10'	W - 5/16"	14.70	10.49	7.96	6.35	5.34	4.60	Ø3/4" x 26"	Ø10"
4"	11'	W - 5/16"	13.09	9.23	6.91	5.45	4.56	3.91	Ø3/4" x 26"	Ø10"
4"	12'	W - 5/16"	11.70	8.13	6.00	4.66	3.88	3.30	Ø3/4" x 26"	Ø10"
4"	13'	W - 5/16"	10.47	7.17	5.18	3.96	3.26	2.76	Ø3/4" x 26"	Ø10"
4"	14'	W - 5/16"	9.39	6.30	4.45	3.32	2.71	2.26	Ø3/4" x 26"	Ø10"
4"	15'	W - 5/16"	8.41	5.52	3.79	2.74	2.20		Ø3/4" x 26"	Ø10"
4"	16'	W - 5/16"	7.53	4.81	3.17	2.20			Ø3/4" x 26"	Ø10"
4"	17'	W - 5/16"	6.72	4.15	2.61				Ø3/4" x 26"	Ø10"
4"	18'	W - 5/16"	5.98	3.54	2.08				Ø3/4" x 26"	Ø10"
4"	19'	W - 5/16"	5.29	2.98					Ø3/4" x 26"	Ø10"
4"	20'	W - 5/16"	4.64	2.44					Ø3/4" x 26"	Ø10"
4"	21'	W - 5/16"	4.04						Ø3/4" x 26"	Ø10"
4"	22'	W - 5/16"	3.47						Ø3/4" x 26"	Ø10"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Fluted Shape - Q6 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa		
4"	10'	M - 3/16"	12.44	9.03	6.98	5.66	4.80	4.16	Ø3/4" x 26"	Ø10"
4"	11'	M - 3/16"	10.69	7.67	5.86	4.70	3.96	3.42	Ø3/4" x 26"	Ø10"
4"	12'	M - 3/16"	9.26	6.55	4.92	3.89	3.26	2.80	Ø3/4" x 26"	Ø10"
4"	13'	M - 3/16"	8.06	5.60	4.12	3.20	2.66	2.26	Ø3/4" x 26"	Ø10"
4"	14'	M - 3/16"	7.03	4.77	3.42	2.59	2.13		Ø3/4" x 26"	Ø10"
4"	15'	M - 3/16"	6.12	4.05	2.80	2.05			Ø3/4" x 26"	Ø10"
4"	16'	M - 3/16"	5.32	3.40	2.24				Ø3/4" x 26"	Ø10"
4"	17'	M - 3/16"	4.60	2.81					Ø3/4" x 26"	Ø10"
4"	18'	M - 3/16"	3.95	2.27					Ø3/4" x 26"	Ø10"
4"	19'	M - 3/16"	3.35						Ø3/4" x 26"	Ø10"
4"	20'	M - 3/16"	2.79						Ø3/4" x 26"	Ø10"
4"	21'	M - 3/16"	2.27						Ø3/4" x 26"	Ø10"

MUFFLER POLE EPA RATING TABLE - CSA

MUFFLER POLE EPA RATING TABLE - CSA

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	9.07	6.71	5.31	4.38	3.72	3.23	Ø3/4" x 26"	Ø11.5"
4"	11'	L - 1/8"	7.72	5.69	4.48	3.68	3.12	2.69	Ø3/4" x 26"	Ø11.5"
4"	12'	L - 1/8"	6.62	4.84	3.79	3.10	2.61	2.25	Ø3/4" x 26"	Ø11.5"
4"	13'	L - 1/8"	5.68	4.12	3.21	2.61	2.18		Ø3/4" x 26"	Ø11.5"
4"	14'	L - 1/8"	4.87	3.50	2.70	2.18			Ø3/4" x 26"	Ø11.5"
4"	15'	L - 1/8"	4.15	2.95	2.25				Ø3/4" x 26"	Ø11.5"
4"	16'	L - 1/8"	3.51	2.46					Ø3/4" x 26"	Ø11.5"
4"	17'	L - 1/8"	2.93	2.01					Ø3/4" x 26"	Ø11.5"
4"	18'	L - 1/8"	2.41						Ø3/4" x 26"	Ø11.5"
4"	10'	M - 3/16"	13.46	10.01	7.95	6.58	5.60	4.88	Ø3/4" x 26"	Ø11.5"
4"	11'	M - 3/16"	11.62	8.61	6.82	5.63	4.79	4.16	Ø3/4" x 26"	Ø11.5"
4"	12'	M - 3/16"	10.12	7.47	5.89	4.85	4.11	3.56	Ø3/4" x 26"	Ø11.5"
4"	13'	M - 3/16"	8.85	6.51	5.11	4.20	3.54	3.06	Ø3/4" x 26"	Ø11.5"
4"	14'	M - 3/16"	7.77	5.68	4.44	3.63	3.05	2.63	Ø3/4" x 26"	Ø11.5"
4"	15'	M - 3/16"	6.83	4.96	3.86	3.13	2.62	2.24	Ø3/4" x 26"	Ø11.5"
4"	16'	M - 3/16"	6.00	4.32	3.33	2.69	2.24		Ø3/4" x 26"	Ø11.5"
4"	17'	M - 3/16"	5.25	3.75	2.86	2.29			Ø3/4" x 26"	Ø11.5"
4"	18'	M - 3/16"	4.58	3.22	2.44				Ø3/4" x 26"	Ø11.5"
4"	19'	M - 3/16"	3.96	2.74	2.04				Ø3/4" x 26"	Ø11.5"
4"	20'	M - 3/16"	3.39	2.30					Ø3/4" x 26"	Ø11.5"
4"	21'	M - 3/16"	2.86						Ø3/4" x 26"	Ø11.5"
4"	22'	M - 3/16"	2.36						Ø3/4" x 26"	Ø11.5"
4"	10'	H - 1/4"	17.43	12.98	10.33	8.56	7.30	6.36	Ø3/4" x 26"	Ø11.5"
4"	11'	H - 1/4"	15.14	11.25	8.93	7.39	6.29	5.48	Ø3/4" x 26"	Ø11.5"
4"	12'	H - 1/4"	13.27	9.84	7.79	6.43	5.47	4.75	Ø3/4" x 26"	Ø11.5"
4"	13'	H - 1/4"	11.72	8.66	6.83	5.63	4.77	4.14	Ø3/4" x 26"	Ø11.5"
4"	14'	H - 1/4"	10.40	7.65	6.02	4.94	4.18	3.61	Ø3/4" x 26"	Ø11.5"
4"	15'	H - 1/4"	9.25	6.77	5.31	4.34	3.66	3.15	Ø3/4" x 26"	Ø11.5"
4"	16'	H - 1/4"	8.24	6.00	4.68	3.81	3.20	2.74	Ø3/4" x 26"	Ø11.5"
4"	17'	H - 1/4"	7.34	5.31	4.12	3.34	2.79	2.38	Ø3/4" x 26"	Ø11.5"
4"	18'	H - 1/4"	6.53	4.69	3.61	2.91	2.41	2.05	Ø3/4" x 26"	Ø11.5"
4"	19'	H - 1/4"	5.80	4.13	3.15	2.51	2.07		Ø3/4" x 26"	Ø11.5"
4"	20'	H - 1/4"	5.13	3.61	2.72	2.15			Ø3/4" x 26"	Ø11.5"
4"	21'	H - 1/4"	4.50	3.12	2.33				Ø3/4" x 26"	Ø11.5"
4"	22'	H - 1/4"	3.93	2.68					Ø3/4" x 26"	Ø11.5"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	W - 5/16"	21.00	15.66	12.47	10.35	8.84	7.70	Ø3/4" x 26"	Ø11.5"
4"	11'	W - 5/16"	18.31	13.63	10.83	8.97	7.65	6.66	Ø3/4" x 26"	Ø11.5"
4"	12'	W - 5/16"	16.12	11.97	9.50	7.85	6.69	5.81	Ø3/4" x 26"	Ø11.5"
4"	13'	W - 5/16"	14.30	10.59	8.38	6.92	5.88	5.10	Ø3/4" x 26"	Ø11.5"
4"	14'	W - 5/16"	12.76	9.42	7.44	6.12	5.19	4.50	Ø3/4" x 26"	Ø11.5"
4"	15'	W - 5/16"	11.43	8.41	6.61	5.43	4.59	3.97	Ø3/4" x 26"	Ø11.5"
4"	16'	W - 5/16"	10.26	7.52	5.89	4.82	4.06	3.50	Ø3/4" x 26"	Ø11.5"
4"	17'	W - 5/16"	9.23	6.73	5.25	4.28	3.59	3.09	Ø3/4" x 26"	Ø11.5"
4"	18'	W - 5/16"	8.30	6.02	4.67	3.79	3.17	2.71	Ø3/4" x 26"	Ø11.5"
4"	19'	W - 5/16"	7.46	5.37	4.14	3.34	2.78	2.36	Ø3/4" x 26"	Ø11.5"
4"	20'	W - 5/16"	6.69	4.78	3.66	2.93	2.42	2.05	Ø3/4" x 26"	Ø11.5"
4"	21'	W - 5/16"	5.99	4.24	3.22	2.55	2.09		Ø3/4" x 26"	Ø11.5"
4"	22'	W - 5/16"	5.33	3.73	2.80	2.20			Ø3/4" x 26"	Ø11.5"
5"	10'	L - 1/8"	14.82	11.01	8.73	7.22	6.14	5.34	Ø3/4" x 26"	Ø11.5"
5"	11'	L - 1/8"	12.75	9.43	7.46	6.15	5.22	4.53	Ø3/4" x 26"	Ø11.5"
5"	12'	L - 1/8"	11.05	8.14	6.41	5.27	4.46	3.86	Ø3/4" x 26"	Ø11.5"
5"	13'	L - 1/8"	9.62	7.05	5.52	4.52	3.81	3.28	Ø3/4" x 26"	Ø11.5"
5"	14'	L - 1/8"	8.39	6.11	4.76	3.87	3.25	2.79	Ø3/4" x 26"	Ø11.5"
5"	15'	L - 1/8"	7.32	5.28	4.09	3.30	2.75	2.35	Ø3/4" x 26"	Ø11.5"
5"	16'	L - 1/8"	6.36	4.55	3.49	2.80	2.31		Ø3/4" x 26"	Ø11.5"
5"	17'	L - 1/8"	5.51	3.89	2.95	2.34			Ø3/4" x 26"	Ø11.5"
5"	18'	L - 1/8"	4.73	3.29	2.45				Ø3/4" x 26"	Ø11.5"
5"	19'	L - 1/8"	4.02	2.73					Ø3/4" x 26"	Ø11.5"
5"	20'	L - 1/8"	3.36	2.22					Ø3/4" x 26"	Ø11.5"
5"	21'	L - 1/8"	2.74						Ø3/4" x 26"	Ø11.5"
5"	22'	L - 1/8"	2.16						Ø3/4" x 26"	Ø11.5"
5"	10'	M - 3/16"	22.06	16.43	13.07	10.84	9.24	8.06	Ø3/4" x 26"	Ø11.5"
5"	11'	M - 3/16"	19.16	14.24	11.30	9.36	7.97	6.93	Ø3/4" x 26"	Ø11.5"
5"	12'	M - 3/16"	16.81	12.46	9.86	8.15	6.93	6.02	Ø3/4" x 26"	Ø11.5"
5"	13'	M - 3/16"	14.85	10.97	8.66	7.13	6.05	5.24	Ø3/4" x 26"	Ø11.5"
5"	14'	M - 3/16"	13.17	9.69	7.63	6.27	5.30	4.58	Ø3/4" x 26"	Ø11.5"
5"	15'	M - 3/16"	11.73	8.59	6.73	5.51	4.64	4.00	Ø3/4" x 26"	Ø11.5"
5"	16'	M - 3/16"	10.45	7.62	5.94	4.84	4.06	3.49	Ø3/4" x 26"	Ø11.5"
5"	17'	M - 3/16"	9.32	6.75	5.23	4.24	3.54	3.03	Ø3/4" x 26"	Ø11.5"
5"	18'	M - 3/16"	8.30	5.96	4.59	3.70	3.07	2.61	Ø3/4" x 26"	Ø11.5"
5"	19'	M - 3/16"	7.37	5.25	4.01	3.20	2.64	2.23	Ø3/4" x 26"	Ø11.5"
5"	20'	M - 3/16"	6.53	4.60	3.47	2.75	2.24		Ø3/4" x 26"	Ø11.5"
5"	21'	M - 3/16"	5.74	3.99	2.98	2.32			Ø3/4" x 26"	Ø11.5"
5"	22'	M - 3/16"	5.01	3.42	2.51				Ø3/4" x 26"	Ø11.5"

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**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	H - 1/4"	28.72	21.43	17.07	14.17	12.10	10.55	Ø3/4" x 26"	Ø11.5"
5"	11'	H - 1/4"	25.07	18.67	14.85	12.31	10.50	9.15	Ø3/4" x 26"	Ø11.5"
5"	12'	H - 1/4"	22.11	16.44	13.05	10.80	9.20	8.00	Ø3/4" x 26"	Ø11.5"
5"	13'	H - 1/4"	19.66	14.58	11.55	9.54	8.11	7.05	Ø3/4" x 26"	Ø11.5"
5"	14'	H - 1/4"	17.58	13.00	10.27	8.47	7.19	6.23	Ø3/4" x 26"	Ø11.5"
5"	15'	H - 1/4"	15.79	11.64	9.17	7.54	6.38	5.52	Ø3/4" x 26"	Ø11.5"
5"	16'	H - 1/4"	14.22	10.44	8.20	6.72	5.68	4.90	Ø3/4" x 26"	Ø11.5"
5"	17'	H - 1/4"	12.83	9.38	7.34	6.00	5.05	4.34	Ø3/4" x 26"	Ø11.5"
5"	18'	H - 1/4"	11.59	8.43	6.57	5.34	4.48	3.84	Ø3/4" x 26"	Ø11.5"
5"	19'	H - 1/4"	10.47	7.57	5.87	4.75	3.97	3.38	Ø3/4" x 26"	Ø11.5"
5"	20'	H - 1/4"	9.44	6.78	5.23	4.21	3.49	2.96	Ø3/4" x 26"	Ø11.5"
5"	21'	H - 1/4"	8.50	6.06	4.63	3.70	3.05	2.58	Ø3/4" x 26"	Ø11.5"
5"	22'	H - 1/4"	7.64	5.39	4.08	3.24	2.65	2.21	Ø3/4" x 26"	Ø11.5"

5"	10'	W - 5/16"	34.87	26.04	20.75	17.24	14.73	12.86	Ø3/4" x 26"	Ø11.5"
5"	11'	W - 5/16"	30.52	22.76	18.12	15.03	12.84	11.19	Ø3/4" x 26"	Ø11.5"
5"	12'	W - 5/16"	27.01	20.11	15.98	13.25	11.30	9.84	Ø3/4" x 26"	Ø11.5"
5"	13'	W - 5/16"	24.10	17.91	14.21	11.76	10.02	8.71	Ø3/4" x 26"	Ø11.5"
5"	14'	W - 5/16"	21.64	16.05	12.71	10.50	8.93	7.76	Ø3/4" x 26"	Ø11.5"
5"	15'	W - 5/16"	19.53	14.45	11.42	9.41	7.99	6.93	Ø3/4" x 26"	Ø11.5"
5"	16'	W - 5/16"	17.70	13.05	10.29	8.46	7.17	6.20	Ø3/4" x 26"	Ø11.5"
5"	17'	W - 5/16"	16.07	11.81	9.29	7.62	6.44	5.56	Ø3/4" x 26"	Ø11.5"
5"	18'	W - 5/16"	14.62	10.71	8.39	6.86	5.78	4.98	Ø3/4" x 26"	Ø11.5"
5"	19'	W - 5/16"	13.32	9.71	7.58	6.18	5.19	4.45	Ø3/4" x 26"	Ø11.5"
5"	20'	W - 5/16"	12.14	8.80	6.84	5.55	4.65	3.97	Ø3/4" x 26"	Ø11.5"
5"	21'	W - 5/16"	11.05	7.97	6.16	4.98	4.15	3.53	Ø3/4" x 26"	Ø11.5"
5"	22'	W - 5/16"	10.06	7.21	5.54	4.45	3.68	3.12	Ø3/4" x 26"	Ø11.5"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Aluminium**  
**Fluted Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	M - 3/16"	12.50	9.29	7.37	6.10	5.19	4.51	Ø3/4" x 26"	Ø11.5"
4"	11'	M - 3/16"	10.77	7.97	6.31	5.20	4.42	3.84	Ø3/4" x 26"	Ø11.5"
4"	12'	M - 3/16"	9.35	6.89	5.43	4.47	3.79	3.28	Ø3/4" x 26"	Ø11.5"
4"	13'	M - 3/16"	8.16	5.99	4.70	3.85	3.25	2.80	Ø3/4" x 26"	Ø11.5"
4"	14'	M - 3/16"	7.14	5.20	4.06	3.31	2.78	2.39	Ø3/4" x 26"	Ø11.5"
4"	15'	M - 3/16"	6.24	4.52	3.50	2.84	2.37	2.02	Ø3/4" x 26"	Ø11.5"
4"	16'	M - 3/16"	5.45	3.91	3.01	2.42	2.00		Ø3/4" x 26"	Ø11.5"
4"	17'	M - 3/16"	4.74	3.36	2.56	2.04			Ø3/4" x 26"	Ø11.5"
4"	18'	M - 3/16"	4.10	2.87	2.15				Ø3/4" x 26"	Ø11.5"
4"	19'	M - 3/16"	3.51	2.41					Ø3/4" x 26"	Ø11.5"
4"	20'	M - 3/16"	2.97						Ø3/4" x 26"	Ø11.5"
4"	21'	M - 3/16"	2.46						Ø3/4" x 26"	Ø11.5"

5"	10'	M - 3/16"	25.59	19.08	15.19	12.60	10.76	9.38	Ø3/4" x 26"	Ø11.5"
5"	11'	M - 3/16"	22.29	16.59	13.18	10.92	9.31	8.11	Ø3/4" x 26"	Ø11.5"
5"	12'	M - 3/16"	19.62	14.57	11.55	9.55	8.13	7.07	Ø3/4" x 26"	Ø11.5"
5"	13'	M - 3/16"	17.40	12.88	10.19	8.41	7.15	6.20	Ø3/4" x 26"	Ø11.5"
5"	14'	M - 3/16"	15.51	11.45	9.03	7.43	6.30	5.46	Ø3/4" x 26"	Ø11.5"
5"	15'	M - 3/16"	13.88	10.21	8.03	6.59	5.57	4.81	Ø3/4" x 26"	Ø11.5"
5"	16'	M - 3/16"	12.46	9.12	7.14	5.84	4.92	4.24	Ø3/4" x 26"	Ø11.5"
5"	17'	M - 3/16"	11.19	8.15	6.35	5.18	4.34	3.73	Ø3/4" x 26"	Ø11.5"
5"	18'	M - 3/16"	10.05	7.28	5.64	4.57	3.82	3.26	Ø3/4" x 26"	Ø11.5"
5"	19'	M - 3/16"	9.02	6.49	5.00	4.03	3.35	2.84	Ø3/4" x 26"	Ø11.5"
5"	20'	M - 3/16"	8.08	5.76	4.41	3.52	2.91	2.45	Ø3/4" x 26"	Ø11.5"
5"	21'	M - 3/16"	7.21	5.09	3.86	3.06	2.50	2.09	Ø3/4" x 26"	Ø11.5"
5"	22'	M - 3/16"	6.41	4.47	3.35	2.63	2.12		Ø3/4" x 26"	Ø11.5"

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**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Round Shape - Q6 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	29.34	21.57	16.91	13.86	11.80	10.26	Ø3/4" x 26"	Ø10"
4"	11'	L - 1/8"	26.16	19.13	14.92	12.17	10.34	8.98	Ø3/4" x 26"	Ø10"
4"	12'	L - 1/8"	23.49	17.08	13.24	10.75	9.11	7.90	Ø3/4" x 26"	Ø10"
4"	13'	L - 1/8"	21.21	15.32	11.79	9.52	8.05	6.96	Ø3/4" x 26"	Ø10"
4"	14'	L - 1/8"	19.24	13.80	10.53	8.44	7.11	6.13	Ø3/4" x 26"	Ø10"
4"	15'	L - 1/8"	17.52	12.45	9.41	7.48	6.29	5.40	Ø3/4" x 26"	Ø10"
4"	16'	L - 1/8"	15.98	11.25	8.41	6.62	5.54	4.74	Ø3/4" x 26"	Ø10"
4"	17'	L - 1/8"	14.61	10.17	7.51	5.84	4.86	4.14	Ø3/4" x 26"	Ø10"
4"	18'	L - 1/8"	13.37	9.19	6.68	5.13	4.24	3.59	Ø3/4" x 26"	Ø10"
4"	19'	L - 1/8"	12.23	8.29	5.92	4.47	3.67	3.08	Ø3/4" x 26"	Ø10"
4"	20'	L - 1/8"	11.20	7.46	5.22	3.85	3.13	2.60	Ø3/4" x 26"	Ø10"
4"	21'	L - 1/8"	10.24	6.69	4.56	3.28	2.63	2.16	Ø3/4" x 26"	Ø10"
4"	22'	L - 1/8"	9.35	5.97	3.95	2.74	2.16		Ø3/4" x 26"	Ø10"

4"	10'	M - 3/16"	29.34	21.57	16.91	13.86	11.80	10.26	Ø3/4" x 26"	Ø10"
4"	11'	M - 3/16"	26.16	19.13	14.92	12.17	10.34	8.98	Ø3/4" x 26"	Ø10"
4"	12'	M - 3/16"	23.49	17.08	13.24	10.75	9.11	7.90	Ø3/4" x 26"	Ø10"
4"	13'	M - 3/16"	21.21	15.32	11.79	9.52	8.05	6.96	Ø3/4" x 26"	Ø10"
4"	14'	M - 3/16"	19.24	13.80	10.53	8.44	7.11	6.13	Ø3/4" x 26"	Ø10"
4"	15'	M - 3/16"	17.52	12.45	9.41	7.48	6.29	5.40	Ø3/4" x 26"	Ø10"
4"	16'	M - 3/16"	15.98	11.25	8.41	6.62	5.54	4.74	Ø3/4" x 26"	Ø10"
4"	17'	M - 3/16"	14.61	10.17	7.51	5.84	4.86	4.14	Ø3/4" x 26"	Ø10"
4"	18'	M - 3/16"	13.37	9.19	6.68	5.13	4.24	3.59	Ø3/4" x 26"	Ø10"
4"	19'	M - 3/16"	12.23	8.29	5.92	4.47	3.67	3.08	Ø3/4" x 26"	Ø10"
4"	20'	M - 3/16"	11.20	7.46	5.22	3.85	3.13	2.60	Ø3/4" x 26"	Ø10"
4"	21'	M - 3/16"	10.24	6.69	4.56	3.28	2.63	2.16	Ø3/4" x 26"	Ø10"
4"	22'	M - 3/16"	9.35	5.97	3.95	2.74	2.16		Ø3/4" x 26"	Ø10"

4"	10'	H - 1/4"	29.34	21.57	16.91	13.86	11.80	10.26	Ø3/4" x 26"	Ø10"
4"	11'	H - 1/4"	26.16	19.13	14.92	12.17	10.34	8.98	Ø3/4" x 26"	Ø10"
4"	12'	H - 1/4"	23.49	17.08	13.24	10.75	9.11	7.90	Ø3/4" x 26"	Ø10"
4"	13'	H - 1/4"	21.21	15.32	11.79	9.52	8.05	6.96	Ø3/4" x 26"	Ø10"
4"	14'	H - 1/4"	19.24	13.80	10.53	8.44	7.11	6.13	Ø3/4" x 26"	Ø10"
4"	15'	H - 1/4"	17.52	12.45	9.41	7.48	6.29	5.40	Ø3/4" x 26"	Ø10"
4"	16'	H - 1/4"	15.98	11.25	8.41	6.62	5.54	4.74	Ø3/4" x 26"	Ø10"
4"	17'	H - 1/4"	14.61	10.17	7.51	5.84	4.86	4.14	Ø3/4" x 26"	Ø10"
4"	18'	H - 1/4"	13.37	9.19	6.68	5.13	4.24	3.59	Ø3/4" x 26"	Ø10"
4"	19'	H - 1/4"	12.23	8.29	5.92	4.47	3.67	3.08	Ø3/4" x 26"	Ø10"
4"	20'	H - 1/4"	11.20	7.46	5.22	3.85	3.13	2.60	Ø3/4" x 26"	Ø10"
4"	21'	H - 1/4"	10.24	6.69	4.56	3.28	2.63	2.16	Ø3/4" x 26"	Ø10"
4"	22'	H - 1/4"	9.35	5.97	3.95	2.74	2.16		Ø3/4" x 26"	Ø10"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Round Shape - Q6 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	W - 5/16"	29.34	21.57	16.91	13.86	11.80	10.26	Ø3/4" x 26"	Ø10"
4"	11'	W - 5/16"	26.16	19.13	14.92	12.17	10.34	8.98	Ø3/4" x 26"	Ø10"
4"	12'	W - 5/16"	23.49	17.08	13.24	10.75	9.11	7.90	Ø3/4" x 26"	Ø10"
4"	13'	W - 5/16"	21.21	15.32	11.79	9.52	8.05	6.96	Ø3/4" x 26"	Ø10"
4"	14'	W - 5/16"	19.24	13.80	10.53	8.44	7.11	6.13	Ø3/4" x 26"	Ø10"
4"	15'	W - 5/16"	17.52	12.45	9.41	7.48	6.29	5.40	Ø3/4" x 26"	Ø10"
4"	16'	W - 5/16"	15.98	11.25	8.41	6.62	5.54	4.74	Ø3/4" x 26"	Ø10"
4"	17'	W - 5/16"	14.61	10.17	7.51	5.84	4.86	4.14	Ø3/4" x 26"	Ø10"
4"	18'	W - 5/16"	13.37	9.19	6.68	5.13	4.24	3.59	Ø3/4" x 26"	Ø10"
4"	19'	W - 5/16"	12.23	8.29	5.92	4.47	3.67	3.08	Ø3/4" x 26"	Ø10"
4"	20'	W - 5/16"	11.20	7.46	5.22	3.85	3.13	2.60	Ø3/4" x 26"	Ø10"
4"	21'	W - 5/16"	10.24	6.69	4.56	3.28	2.63	2.16	Ø3/4" x 26"	Ø10"
4"	22'	W - 5/16"	9.35	5.97	3.95	2.74	2.16		Ø3/4" x 26"	Ø10"

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**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	L - 1/8"	37.66	28.16	22.47	18.68	15.97	13.95	Ø1" x 36"	Ø11.5"
4"	11'	L - 1/8"	33.05	24.68	19.68	16.34	13.97	12.19	Ø1" x 36"	Ø11.5"
4"	12'	L - 1/8"	29.33	21.88	17.42	14.46	12.35	10.77	Ø1" x 36"	Ø11.5"
4"	13'	L - 1/8"	26.26	19.56	15.56	12.90	11.01	9.59	Ø1" x 36"	Ø11.5"
4"	14'	L - 1/8"	23.67	17.61	13.98	11.58	9.87	8.59	Ø1" x 36"	Ø11.5"
4"	15'	L - 1/8"	21.46	15.93	12.63	10.45	8.89	7.73	Ø1" x 36"	Ø11.5"
4"	16'	L - 1/8"	19.53	14.47	11.45	9.46	8.04	6.98	Ø1" x 36"	Ø11.5"
4"	17'	L - 1/8"	17.83	13.18	10.41	8.58	7.28	6.31	Ø1" x 36"	Ø11.5"
4"	18'	L - 1/8"	16.32	12.03	9.48	7.80	6.61	5.72	Ø1" x 36"	Ø11.5"
4"	19'	L - 1/8"	14.96	11.00	8.65	7.10	6.00	5.18	Ø1" x 36"	Ø11.5"
4"	20'	L - 1/8"	13.74	10.06	7.89	6.46	5.44	4.69	Ø1" x 36"	Ø11.5"
4"	21'	L - 1/8"	12.61	9.21	7.19	5.87	4.93	4.24	Ø1" x 36"	Ø11.5"
4"	22'	L - 1/8"	11.58	8.42	6.55	5.33	4.46	3.82	Ø1" x 36"	Ø11.5"

4"	10'	M - 3/16"	40.00	40.00	32.50	27.04	23.14	20.22	Ø1" x 36"	Ø11.5"
4"	11'	M - 3/16"	40.00	35.80	28.57	23.76	20.32	17.75	Ø1" x 36"	Ø11.5"
4"	12'	M - 3/16"	40.00	31.86	25.41	21.11	18.05	15.76	Ø1" x 36"	Ø11.5"
4"	13'	M - 3/16"	38.33	28.61	22.80	18.93	16.18	14.11	Ø1" x 36"	Ø11.5"
4"	14'	M - 3/16"	34.71	25.88	20.61	17.10	14.60	12.73	Ø1" x 36"	Ø11.5"
4"	15'	M - 3/16"	31.62	23.55	18.73	15.53	13.25	11.54	Ø1" x 36"	Ø11.5"
4"	16'	M - 3/16"	28.94	21.53	17.10	14.16	12.07	10.51	Ø1" x 36"	Ø11.5"
4"	17'	M - 3/16"	26.60	19.76	15.67	12.96	11.04	9.60	Ø1" x 36"	Ø11.5"
4"	18'	M - 3/16"	24.52	18.18	14.40	11.90	10.12	8.79	Ø1" x 36"	Ø11.5"
4"	19'	M - 3/16"	22.66	16.77	13.27	10.95	9.30	8.07	Ø1" x 36"	Ø11.5"
4"	20'	M - 3/16"	20.99	15.50	12.24	10.08	8.55	7.41	Ø1" x 36"	Ø11.5"
4"	21'	M - 3/16"	19.47	14.35	11.31	9.30	7.87	6.81	Ø1" x 36"	Ø11.5"
4"	22'	M - 3/16"	18.08	13.29	10.45	8.57	7.25	6.26	Ø1" x 36"	Ø11.5"

4"	10'	H - 1/4"	40.00	40.00	40.00	34.58	29.61	25.88	Ø1" x 36"	Ø11.5"
4"	11'	H - 1/4"	40.00	40.00	36.59	30.44	26.05	22.76	Ø1" x 36"	Ø11.5"
4"	12'	H - 1/4"	40.00	40.00	32.61	27.11	23.20	20.26	Ø1" x 36"	Ø11.5"
4"	13'	H - 1/4"	40.00	36.78	29.33	24.37	20.84	18.20	Ø1" x 36"	Ø11.5"
4"	14'	H - 1/4"	40.00	33.35	26.58	22.07	18.86	16.46	Ø1" x 36"	Ø11.5"
4"	15'	H - 1/4"	40.00	30.43	24.23	20.11	17.17	14.98	Ø1" x 36"	Ø11.5"
4"	16'	H - 1/4"	37.44	27.90	22.20	18.41	15.71	13.69	Ø1" x 36"	Ø11.5"
4"	17'	H - 1/4"	34.51	25.69	20.42	16.92	14.43	12.57	Ø1" x 36"	Ø11.5"
4"	18'	H - 1/4"	31.92	23.73	18.84	15.60	13.29	11.57	Ø1" x 36"	Ø11.5"
4"	19'	H - 1/4"	29.61	21.98	17.43	14.42	12.27	10.67	Ø1" x 36"	Ø11.5"
4"	20'	H - 1/4"	27.53	20.41	16.16	13.35	11.35	9.86	Ø1" x 36"	Ø11.5"
4"	21'	H - 1/4"	25.64	18.98	15.01	12.38	10.52	9.13	Ø1" x 36"	Ø11.5"
4"	22'	H - 1/4"	23.93	17.68	13.96	11.50	9.75	8.45	Ø1" x 36"	Ø11.5"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
4"	10'	W - 5/16"	40.00	40.00	40.00	40.00	35.43	30.98	Ø1" x 36"	Ø11.5"
4"	11'	W - 5/16"	40.00	40.00	40.00	36.46	31.22	27.28	Ø1" x 36"	Ø11.5"
4"	12'	W - 5/16"	40.00	40.00	39.09	32.52	27.83	24.31	Ø1" x 36"	Ø11.5"
4"	13'	W - 5/16"	40.00	40.00	35.21	29.28	25.04	21.87	Ø1" x 36"	Ø11.5"
4"	14'	W - 5/16"	40.00	40.00	31.96	26.56	22.71	19.82	Ø1" x 36"	Ø11.5"
4"	15'	W - 5/16"	40.00	36.62	29.18	24.24	20.71	18.07	Ø1" x 36"	Ø11.5"
4"	16'	W - 5/16"	40.00	33.63	26.79	22.23	18.99	16.56	Ø1" x 36"	Ø11.5"
4"	17'	W - 5/16"	40.00	31.03	24.69	20.48	17.48	15.24	Ø1" x 36"	Ø11.5"
4"	18'	W - 5/16"	38.57	28.72	22.84	18.93	16.14	14.06	Ø1" x 36"	Ø11.5"
4"	19'	W - 5/16"	35.85	26.67	21.18	17.54	14.95	13.01	Ø1" x 36"	Ø11.5"
4"	20'	W - 5/16"	33.41	24.82	19.69	16.29	13.88	12.07	Ø1" x 36"	Ø11.5"
4"	21'	W - 5/16"	31.20	23.15	18.35	15.16	12.90	11.21	Ø1" x 36"	Ø11.5"
4"	22'	W - 5/16"	29.19	21.62	17.12	14.13	12.01	10.43	Ø1" x 36"	Ø11.5"

5"	10'	L - 1/8"	40.00	40.00	36.08	30.01	25.68	22.44	Ø1" x 36"	Ø11.5"
5"	11'	L - 1/8"	40.00	39.73	31.69	26.35	22.53	19.68	Ø1" x 36"	Ø11.5"
5"	12'	L - 1/8"	40.00	35.33	28.16	23.39	19.99	17.45	Ø1" x 36"	Ø11.5"
5"	13'	L - 1/8"	40.00	31.70	25.24	20.95	17.90	15.61	Ø1" x 36"	Ø11.5"
5"	14'	L - 1/8"	38.44	28.65	22.79	18.90	16.13	14.06	Ø1" x 36"	Ø11.5"
5"	15'	L - 1/8"	34.99	26.04	20.69	17.14	14.61	12.73	Ø1" x 36"	Ø11.5"
5"	16'	L - 1/8"	32.00	23.77	18.87	15.61	13.30	11.57	Ø1" x 36"	Ø11.5"
5"	17'	L - 1/8"	29.37	21.79	17.26	14.27	12.14	10.55	Ø1" x 36"	Ø11.5"
5"	18'	L - 1/8"	27.04	20.02	15.84	13.07	11.10	9.64	Ø1" x 36"	Ø11.5"
5"	19'	L - 1/8"	24.96	18.44	14.56	12.00	10.18	8.82	Ø1" x 36"	Ø11.5"
5"	20'	L - 1/8"	23.08	17.01	13.41	11.03	9.34	8.08	Ø1" x 36"	Ø11.5"
5"	21'	L - 1/8"	21.37	15.71	12.36	10.14	8.57	7.40	Ø1" x 36"	Ø11.5"
5"	22'	L - 1/8"	19.81	14.52	11.39	9.33	7.87	6.78	Ø1" x 36"	Ø11.5"
5"	23'	L - 1/8"	18.37	13.42	10.50	8.57	7.21	6.20	Ø1" x 36"	Ø11.5"
5"	24'	L - 1/8"	17.04	12.41	9.67	7.88	6.61	5.67	Ø1" x 36"	Ø11.5"
5"	25'	L - 1/8"	15.80	11.46	8.90	7.22	6.04	5.17	Ø1" x 36"	Ø11.5"
5"	26'	L - 1/8"	14.64	10.57	8.18	6.61	5.51	4.70	Ø1" x 36"	Ø11.5"
5"	27'	L - 1/8"	13.56	9.74	7.50	6.04	5.01	4.25	Ø1" x 36"	Ø11.5"
5"	28'	L - 1/8"	12.53	8.95	6.86	5.49	4.54	3.83	Ø1" x 36"	Ø11.5"
5"	29'	L - 1/8"	11.56	8.21	6.25	4.98	4.09	3.43	Ø1" x 36"	Ø11.5"
5"	30'	L - 1/8"	10.65	7.50	5.67	4.48	3.66	3.05	Ø1" x 36"	Ø11.5"

MUFFLER POLE EPA RATING TABLE - CSA

MUFFLER POLE EPA RATING TABLE - CSA

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	M - 3/16"	40.00	40.00	40.00	40.00	37.48	32.76	Ø1" x 36"	Ø11.5"
5"	11'	M - 3/16"	40.00	40.00	40.00	38.55	32.99	28.83	Ø1" x 36"	Ø11.5"
5"	12'	M - 3/16"	40.00	40.00	40.00	34.35	29.38	25.66	Ø1" x 36"	Ø11.5"
5"	13'	M - 3/16"	40.00	40.00	37.17	30.89	26.41	23.06	Ø1" x 36"	Ø11.5"
5"	14'	M - 3/16"	40.00	40.00	33.70	27.99	23.92	20.87	Ø1" x 36"	Ø11.5"
5"	15'	M - 3/16"	40.00	38.60	30.74	25.52	21.79	19.01	Ø1" x 36"	Ø11.5"
5"	16'	M - 3/16"	40.00	35.42	28.18	23.37	19.95	17.39	Ø1" x 36"	Ø11.5"
5"	17'	M - 3/16"	40.00	32.63	25.94	21.50	18.33	15.97	Ø1" x 36"	Ø11.5"
5"	18'	M - 3/16"	40.00	30.17	23.96	19.84	16.90	14.71	Ø1" x 36"	Ø11.5"
5"	19'	M - 3/16"	37.67	27.98	22.19	18.35	15.63	13.59	Ø1" x 36"	Ø11.5"
5"	20'	M - 3/16"	35.06	26.00	20.60	17.02	14.47	12.57	Ø1" x 36"	Ø11.5"
5"	21'	M - 3/16"	32.70	24.21	19.15	15.80	13.42	11.65	Ø1" x 36"	Ø11.5"
5"	22'	M - 3/16"	30.55	22.58	17.83	14.69	12.47	10.81	Ø1" x 36"	Ø11.5"
5"	23'	M - 3/16"	28.58	21.08	16.62	13.68	11.59	10.03	Ø1" x 36"	Ø11.5"
5"	24'	M - 3/16"	26.76	19.69	15.50	12.73	10.77	9.31	Ø1" x 36"	Ø11.5"
5"	25'	M - 3/16"	25.07	18.41	14.46	11.86	10.02	8.64	Ø1" x 36"	Ø11.5"
5"	26'	M - 3/16"	23.51	17.22	13.50	11.04	9.31	8.02	Ø1" x 36"	Ø11.5"
5"	27'	M - 3/16"	22.04	16.10	12.59	10.28	8.65	7.44	Ø1" x 36"	Ø11.5"
5"	28'	M - 3/16"	20.67	15.05	11.74	9.56	8.02	6.88	Ø1" x 36"	Ø11.5"
5"	29'	M - 3/16"	19.37	14.06	10.93	8.88	7.43	6.36	Ø1" x 36"	Ø11.5"
5"	30'	M - 3/16"	18.15	13.13	10.17	8.24	6.88	5.87	Ø1" x 36"	Ø11.5"

5"	10'	H - 1/4"	40.00	40.00	40.00	40.00	40.00	38.61	Ø1" x 36"	Ø11.5"
5"	11'	H - 1/4"	40.00	40.00	40.00	40.00	39.71	34.69	Ø1" x 36"	Ø11.5"
5"	12'	H - 1/4"	40.00	40.00	40.00	40.00	35.99	31.42	Ø1" x 36"	Ø11.5"
5"	13'	H - 1/4"	40.00	40.00	40.00	38.41	32.83	28.66	Ø1" x 36"	Ø11.5"
5"	14'	H - 1/4"	40.00	40.00	40.00	35.26	30.12	26.28	Ø1" x 36"	Ø11.5"
5"	15'	H - 1/4"	40.00	40.00	39.18	32.52	27.77	24.22	Ø1" x 36"	Ø11.5"
5"	16'	H - 1/4"	40.00	40.00	36.30	30.11	25.70	22.40	Ø1" x 36"	Ø11.5"
5"	17'	H - 1/4"	40.00	40.00	33.75	27.98	23.86	20.79	Ø1" x 36"	Ø11.5"
5"	18'	H - 1/4"	40.00	39.52	31.44	26.07	22.22	19.34	Ø1" x 36"	Ø11.5"
5"	19'	H - 1/4"	40.00	36.75	29.21	24.21	20.64	17.98	Ø1" x 36"	Ø11.5"
5"	20'	H - 1/4"	40.00	34.27	27.22	22.53	19.20	16.71	Ø1" x 36"	Ø11.5"
5"	21'	H - 1/4"	40.00	32.03	25.41	21.02	17.89	15.56	Ø1" x 36"	Ø11.5"
5"	22'	H - 1/4"	40.00	29.99	23.76	19.64	16.70	14.51	Ø1" x 36"	Ø11.5"
5"	23'	H - 1/4"	37.97	28.12	22.26	18.37	15.61	13.55	Ø1" x 36"	Ø11.5"
5"	24'	H - 1/4"	35.70	26.40	20.87	17.21	14.61	12.67	Ø1" x 36"	Ø11.5"
5"	25'	H - 1/4"	33.61	24.81	19.58	16.13	13.67	11.84	Ø1" x 36"	Ø11.5"
5"	26'	H - 1/4"	31.66	23.34	18.39	15.12	12.80	11.08	Ø1" x 36"	Ø11.5"
5"	27'	H - 1/4"	29.85	21.96	17.27	14.18	11.99	10.36	Ø1" x 36"	Ø11.5"
5"	28'	H - 1/4"	28.15	20.67	16.23	13.30	11.23	9.69	Ø1" x 36"	Ø11.5"
5"	29'	H - 1/4"	26.56	19.45	15.25	12.47	10.51	9.06	Ø1" x 36"	Ø11.5"
5"	30'	H - 1/4"	25.06	18.31	14.32	11.69	9.84	8.46	Ø1" x 36"	Ø11.5"

**MUFFLER POLE**  
EPA RATING TABLE - CSA

**Steel**  
**Round Shape - Q8 Muffler Base**

Pole Dimension (in)	Height (ft)	Wall Thickness (in)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
			300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	W - 5/16"	40.00	40.00	40.00	40.00	40.00	38.61	Ø1" x 36"	Ø11.5"
5"	11'	W - 5/16"	40.00	40.00	40.00	40.00	39.71	34.69	Ø1" x 36"	Ø11.5"
5"	12'	W - 5/16"	40.00	40.00	40.00	40.00	35.99	31.42	Ø1" x 36"	Ø11.5"
5"	13'	W - 5/16"	40.00	40.00	40.00	38.41	32.83	28.66	Ø1" x 36"	Ø11.5"
5"	14'	W - 5/16"	40.00	40.00	40.00	35.26	30.12	26.28	Ø1" x 36"	Ø11.5"
5"	15'	W - 5/16"	40.00	40.00	39.18	32.52	27.77	24.22	Ø1" x 36"	Ø11.5"
5"	16'	W - 5/16"	40.00	40.00	36.30	30.11	25.70	22.40	Ø1" x 36"	Ø11.5"
5"	17'	W - 5/16"	40.00	40.00	33.75	27.98	23.86	20.79	Ø1" x 36"	Ø11.5"
5"	18'	W - 5/16"	40.00	39.62	31.47	26.07	22.22	19.34	Ø1" x 36"	Ø11.5"
5"	19'	W - 5/16"	40.00	37.07	29.42	24.35	20.74	18.04	Ø1" x 36"	Ø11.5"
5"	20'	W - 5/16"	40.00	34.75	27.56	22.79	19.39	16.86	Ø1" x 36"	Ø11.5"
5"	21'	W - 5/16"	40.00	32.65	25.86	21.36	18.16	15.78	Ø1" x 36"	Ø11.5"
5"	22'	W - 5/16"	40.00	30.71	24.30	20.05	17.04	14.78	Ø1" x 36"	Ø11.5"
5"	23'	W - 5/16"	39.14	28.93	22.86	18.85	15.99	13.87	Ø1" x 36"	Ø11.5"
5"	24'	W - 5/16"	36.97	27.29	21.53	17.73	15.03	13.02	Ø1" x 36"	Ø11.5"
5"	25'	W - 5/16"	34.95	25.76	20.30	16.69	14.13	12.23	Ø1" x 36"	Ø11.5"
5"	26'	W - 5/16"	33.07	24.33	19.14	15.72	13.29	11.48	Ø1" x 36"	Ø11.5"
5"	27'	W - 5/16"	31.31	22.99	18.06	14.80	12.50	10.79	Ø1" x 36"	Ø11.5"
5"	28'	W - 5/16"	29.67	21.74	17.04	13.95	11.76	10.13	Ø1" x 36"	Ø11.5"
5"	29'	W - 5/16"	28.11	20.55	16.08	13.14	11.06	9.52	Ø1" x 36"	Ø11.5"
5"	30'	W - 5/16"	26.65	19.44	15.18	12.37	10.40	8.93	Ø1" x 36"	Ø11.5"

MUFFLER POLE EPA RATING TABLE - CSA

MUFFLER POLE EPA RATING TABLE - CSA



# LUMENTECH SMART POLE

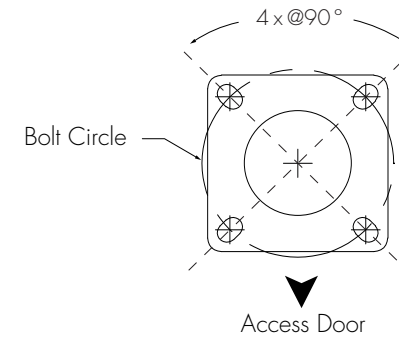
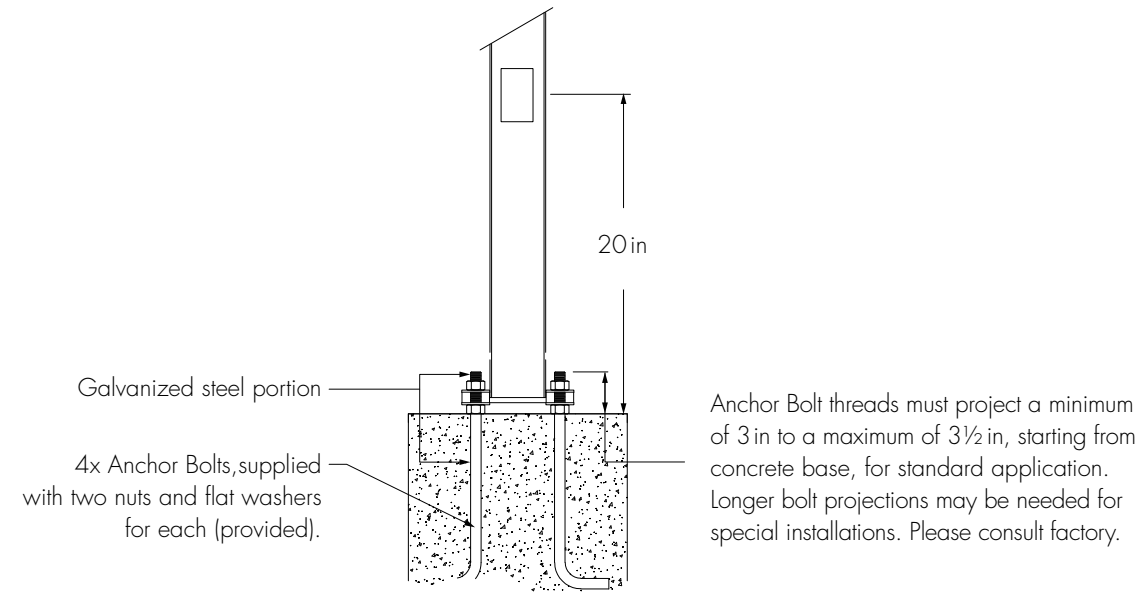
TECHNICAL INFORMATION

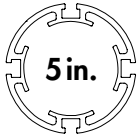
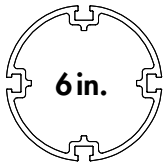
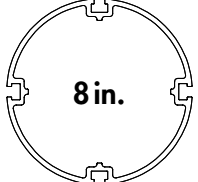
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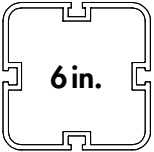
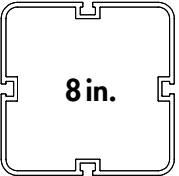


# Lumentech Smart Pole

## Technical Information



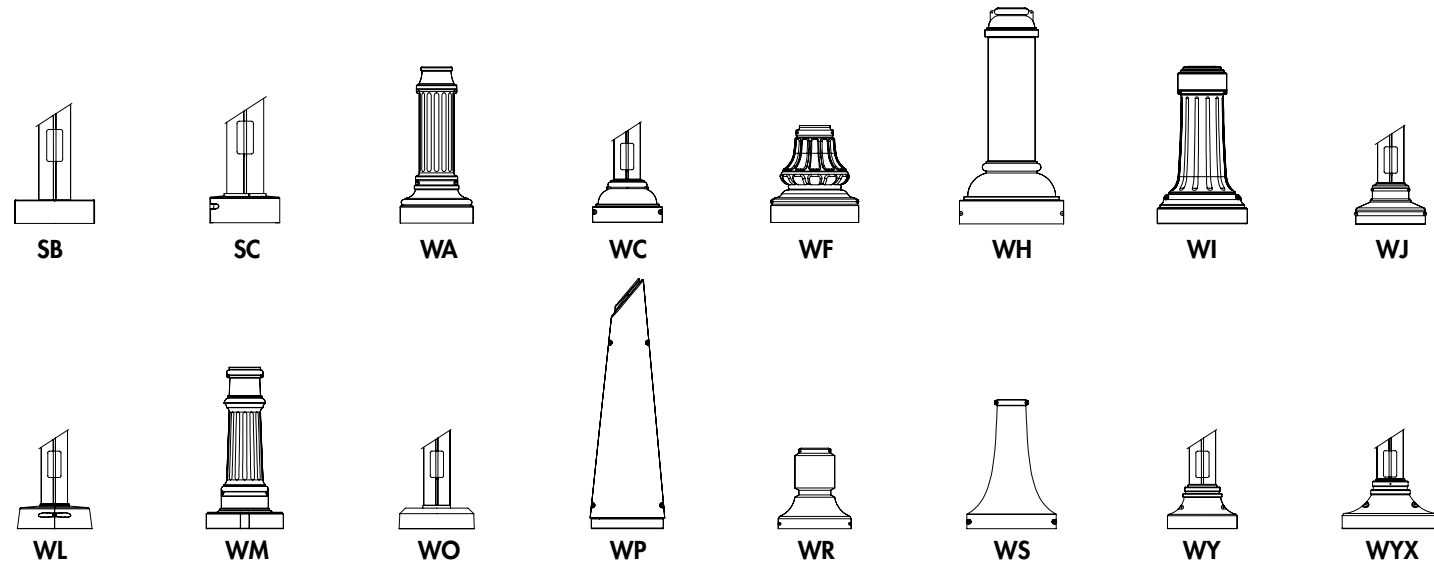
	Round Shapes		
			
<b>Compatible Base Cover Options</b>	WA, WC, WF, WH, WI, WJ, WL, WM, WO, WP, WR, WS, WY, WYX	SB, WL, WO,	SB, SC
<b>Compatible Accessories</b>	HK, PLTU, SSK, LSK, SSH, BA, PH	HK, PLTU, SSK, LSK, SSH, BA, PH	HK, PLTU, SSK, LSK, SSH, BA, PH
<b>Anchor Bolts</b>	Ø3/4 in. x 26 in.	Ø1 in. x 36 in.	
<b>Bolt Circle</b>	Ø10 in.	Ø14 in.	

	Square Shapes	
		
	SB	SB, SC
	HK, PLTU, SSK, LSK, SSH, BA, PH	
	Ø1 in. x 36 in.	
	Ø14 in.	

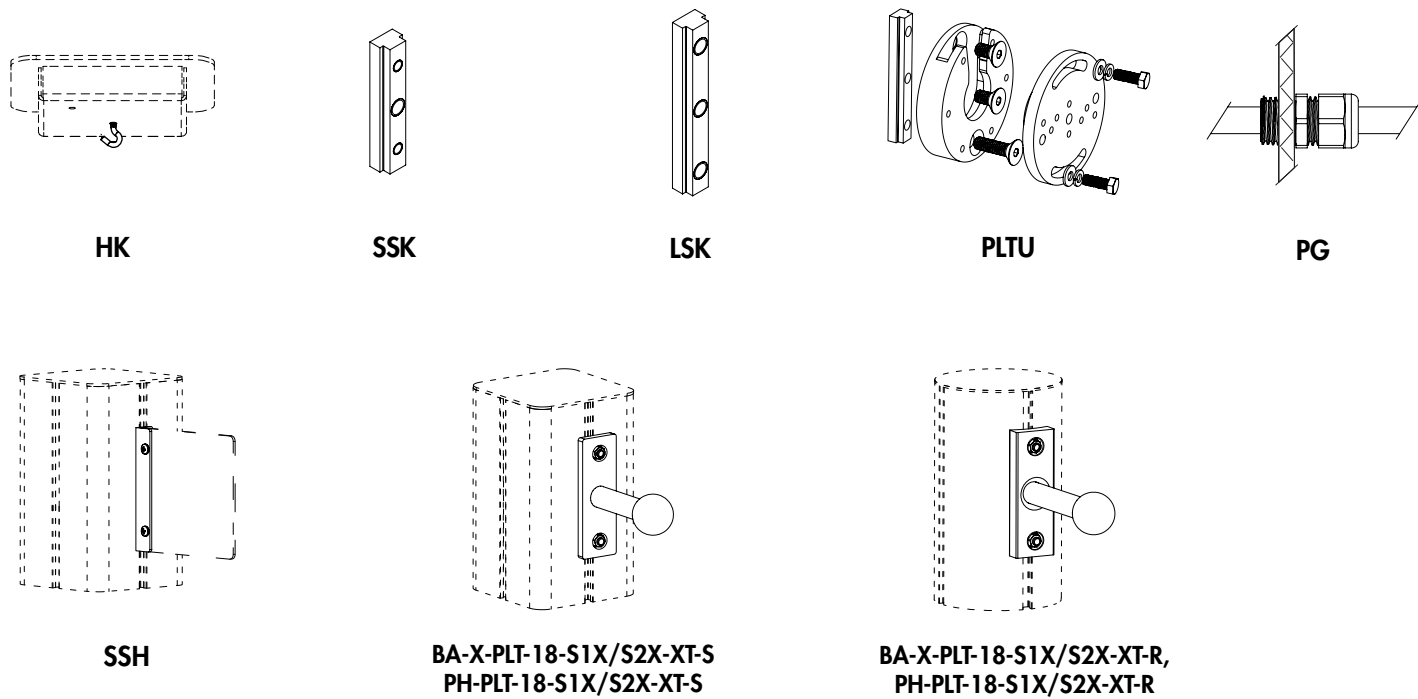
# Lumentech Smart Pole

## Technical Information

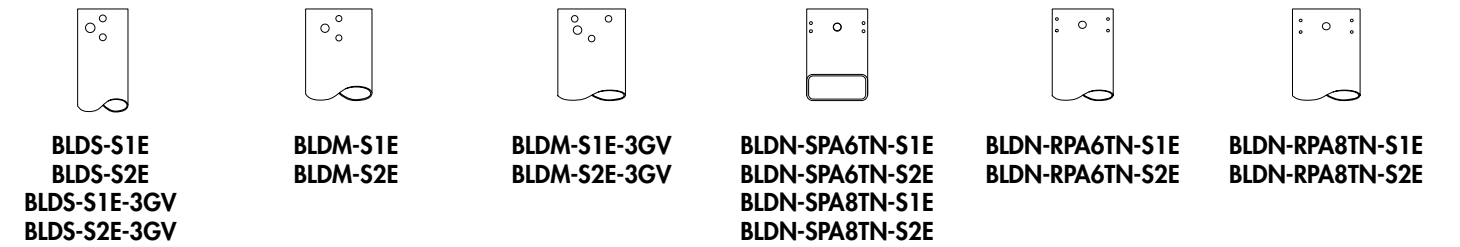
### Base Cover Options



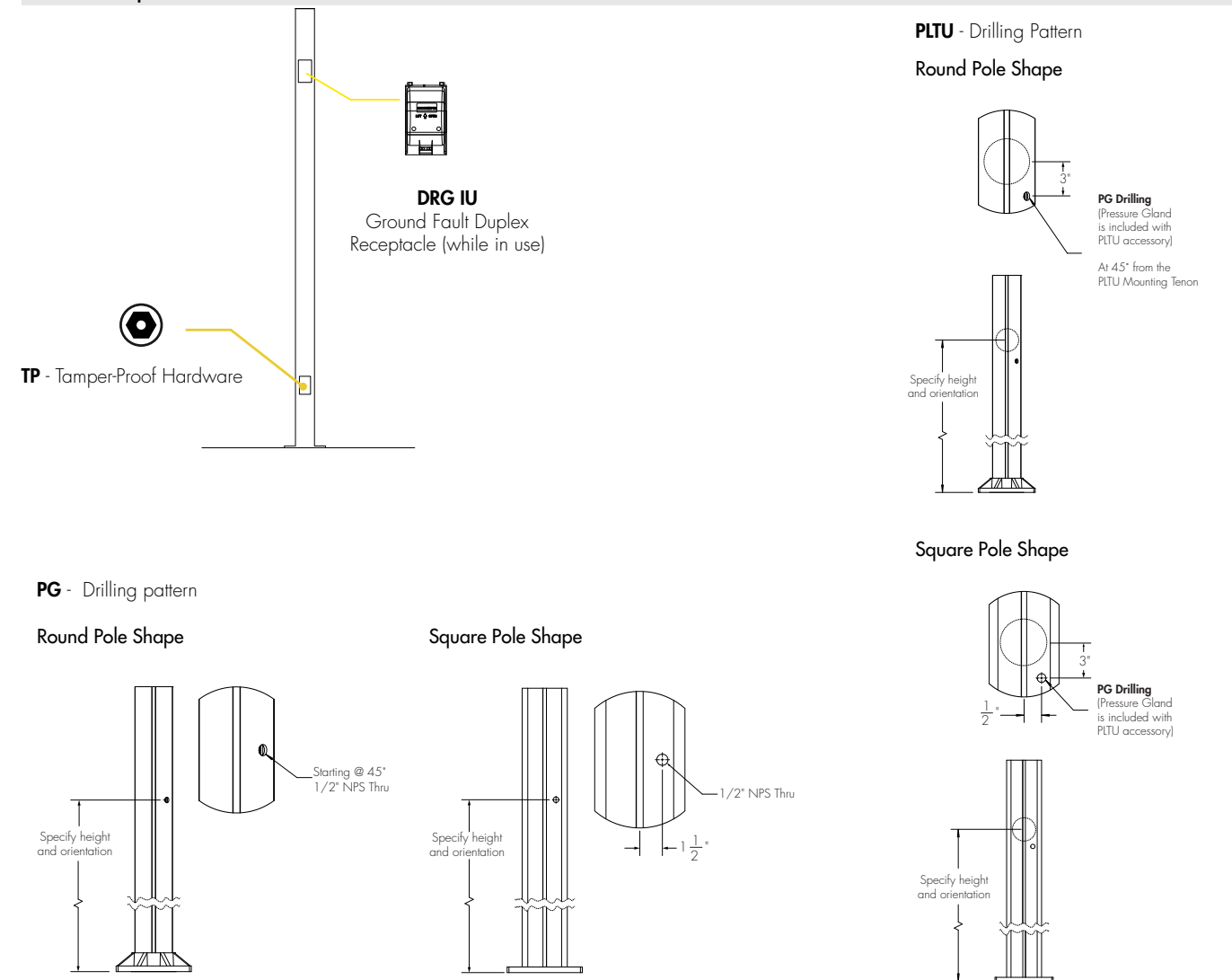
### Accessories



### Pole-Top Options



### Other Options



### Finish Options



[1] Automatically included when a steel pole is specified.



# **LUMENTECH SMART POLE**

EPA RATING TABLE - CSA

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**LUMENTECH SMART POLE**  
EPA RATING TABLE - CSA

**Round Shape**

Dimension (in)	Height (ft)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
		300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
5"	10'	20.80	15.04	11.57	9.27	7.62	6.38	Ø¾" x 26"	Ø10"
5"	11'	18.63	13.34	10.17	8.05	6.54	5.41	Ø¾" x 26"	Ø10"
5"	12'	16.75	11.87	8.94	6.99	5.60	4.55	Ø¾" x 26"	Ø10"
5"	13'	15.10	10.57	7.85	6.04	4.75	3.78	Ø¾" x 26"	Ø10"
5"	14'	13.64	9.42	6.88	5.19	3.98	3.07	Ø¾" x 26"	Ø10"
5"	15'	12.33	8.37	5.99	4.41	3.28	2.43	Ø¾" x 26"	Ø10"
5"	16'	11.15	7.42	5.18	3.69	2.63		Ø¾" x 26"	Ø10"
5"	17'	10.07	6.55	4.44	3.03	2.02		Ø¾" x 26"	Ø10"
5"	18'	9.08	5.74	3.74	2.41			Ø¾" x 26"	Ø10"
5"	19'	8.16	4.99	3.09				Ø¾" x 26"	Ø10"
5"	20'	7.30	4.29	2.48				Ø¾" x 26"	Ø10"
5"	21'	6.50	3.62					Ø¾" x 26"	Ø10"
5"	22'	5.75	3.00					Ø¾" x 26"	Ø10"
5"	23'	5.04	2.40					Ø¾" x 26"	Ø10"
5"	24'	4.37						Ø¾" x 26"	Ø10"
5"	25'	3.72						Ø¾" x 26"	Ø10"
5"	26'	3.11						Ø¾" x 26"	Ø10"
5"	27'	2.53						Ø¾" x 26"	Ø10"

6"	10'	30.26	22.01	17.07	13.86	11.76	10.19	Ø1" x 36"	Ø14"
6"	11'	27.21	19.65	15.12	12.20	10.32	8.92	Ø1" x 36"	Ø14"
6"	12'	24.58	17.60	13.42	10.74	9.06	7.80	Ø1" x 36"	Ø14"
6"	13'	22.28	15.81	11.92	9.46	7.94	6.81	Ø1" x 36"	Ø14"
6"	14'	20.25	14.21	10.58	8.30	6.94	5.93	Ø1" x 36"	Ø14"
6"	15'	18.44	12.77	9.38	7.26	6.03	5.12	Ø1" x 36"	Ø14"
6"	16'	16.80	11.47	8.27	6.30	5.19	4.38	Ø1" x 36"	Ø14"
6"	17'	15.31	10.28	7.26	5.42	4.42	3.69	Ø1" x 36"	Ø14"
6"	18'	13.95	9.18	6.32	4.60	3.70	3.05	Ø1" x 36"	Ø14"
6"	19'	12.69	8.17	5.45	3.83	3.03	2.46	Ø1" x 36"	Ø14"
6"	20'	11.53	7.22	4.63	3.11	2.40		Ø1" x 36"	Ø14"
6"	21'	10.44	6.33	3.86	2.42			Ø1" x 36"	Ø14"
6"	22'	9.42	5.49	3.13				Ø1" x 36"	Ø14"
6"	23'	8.47	4.70	2.43				Ø1" x 36"	Ø14"
6"	24'	7.56	3.94					Ø1" x 36"	Ø14"
6"	25'	6.70	3.22					Ø1" x 36"	Ø14"
6"	26'	5.88	2.54					Ø1" x 36"	Ø14"
6"	27'	5.10						Ø1" x 36"	Ø14"
6"	28'	4.36						Ø1" x 36"	Ø14"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**LUMENTECH SMART POLE**  
EPA RATING TABLE - CSA

**Round Shape**

Dimension (in)	Height (ft)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
		300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
8"	10'	40.00	39.27	31.21	25.86	22.05	19.20	Ø1" x 36"	Ø14"
8"	11'	40.00	35.39	28.08	23.24	19.79	17.21	Ø1" x 36"	Ø14"
8"	12'	40.00	32.04	25.39	20.97	17.84	15.50	Ø1" x 36"	Ø14"
8"	13'	39.58	29.13	23.03	19.00	16.13	13.99	Ø1" x 36"	Ø14"
8"	14'	36.21	26.56	20.95	17.25	14.62	12.66	Ø1" x 36"	Ø14"
8"	15'	33.21	24.27	19.10	15.68	13.26	11.47	Ø1" x 36"	Ø14"
8"	16'	30.52	22.20	17.42	14.27	12.04	10.39	Ø1" x 36"	Ø14"
8"	17'	28.08	20.33	15.90	12.99	10.93	9.40	Ø1" x 36"	Ø14"
8"	18'	25.86	18.62	14.51	11.81	9.91	8.50	Ø1" x 36"	Ø14"
8"	19'	23.82	17.04	13.23	10.73	8.97	7.66	Ø1" x 36"	Ø14"
8"	20'	21.94	15.58	12.04	9.72	8.09	6.89	Ø1" x 36"	Ø14"
8"	21'	20.19	14.22	10.93	8.78	7.27	6.16	Ø1" x 36"	Ø14"
8"	22'	18.56	12.95	9.89	7.90	6.50	5.48	Ø1" x 36"	Ø14"
8"	23'	17.03	11.76	8.91	7.07	5.78	4.83	Ø1" x 36"	Ø14"
8"	24'	15.59	10.64	7.99	6.28	5.09	4.23	Ø1" x 36"	Ø14"
8"	25'	14.23	9.57	7.12	5.54	4.44	3.65	Ø1" x 36"	Ø14"
8"	26'	12.94	8.56	6.29	4.83	3.82	3.09	Ø1" x 36"	Ø14"
8"	27'	11.72	7.60	5.49	4.15	3.23	2.56	Ø1" x 36"	Ø14"
8"	28'	10.55	6.68	4.73	3.50	2.66	2.05	Ø1" x 36"	Ø14"

Consult factory for internal reinforcement solutions for higher EPA ratings.

**LUMENTECH SMART POLE**

EPA RATING TABLE - CSA

**Square Shape**

Dimension (in)	Height (ft)	EPA Rating (sq. ft.)						Anchor Bolts (in)	Bolt Circle (in)
		300Pa	400Pa	500Pa	600Pa	700Pa	800Pa		
6"	10'	28.68	20.15	15.02	11.61	9.17	7.34	Ø1" x 36"	Ø14"
6"	11'	25.23	17.41	12.71	9.59	7.35	5.67	Ø1" x 36"	Ø14"
6"	12'	22.22	15.00	10.67	7.78	5.72	4.17	Ø1" x 36"	Ø14"
6"	13'	19.55	12.85	8.83	6.15	4.23	2.80	Ø1" x 36"	Ø14"
6"	14'	17.16	10.91	7.15	4.65	2.87		Ø1" x 36"	Ø14"
6"	15'	14.99	9.13	5.61	3.27			Ø1" x 36"	Ø14"
6"	16'	13.01	7.49	4.18				Ø1" x 36"	Ø14"
6"	17'	11.18	5.97	2.85				Ø1" x 36"	Ø14"
6"	18'	9.48	4.54					Ø1" x 36"	Ø14"
6"	19'	7.89	3.20					Ø1" x 36"	Ø14"
6"	20'	6.39						Ø1" x 36"	Ø14"
6"	21'	4.97						Ø1" x 36"	Ø14"
6"	22'	3.63						Ø1" x 36"	Ø14"
6"	23'	2.35						Ø1" x 36"	Ø14"

8"	10'	40.00	39.72	30.32	24.05	19.57	16.22	Ø1" x 36"	Ø14"
8"	11'	40.00	34.99	26.38	20.64	16.53	13.46	Ø1" x 36"	Ø14"
8"	12'	40.00	30.87	22.92	17.62	13.84	11.00	Ø1" x 36"	Ø14"
8"	13'	39.53	27.23	19.85	14.93	11.41	8.78	Ø1" x 36"	Ø14"
8"	14'	35.44	23.96	17.07	12.48	9.20	6.74	Ø1" x 36"	Ø14"
8"	15'	31.76	21.00	14.55	10.24	7.17	4.87	Ø1" x 36"	Ø14"
8"	16'	28.42	18.30	12.22	8.18	5.28	3.11	Ø1" x 36"	Ø14"
8"	17'	25.36	15.80	10.07	6.25	3.52		Ø1" x 36"	Ø14"
8"	18'	22.54	13.49	8.06	4.44			Ø1" x 36"	Ø14"
8"	19'	19.92	11.32	6.17	2.73			Ø1" x 36"	Ø14"
8"	20'	17.47	9.29	4.38				Ø1" x 36"	Ø14"
8"	21'	15.18	7.37	2.68				Ø1" x 36"	Ø14"
8"	22'	13.01	5.54					Ø1" x 36"	Ø14"
8"	23'	10.96	3.80					Ø1" x 36"	Ø14"
8"	24'	9.01	2.14					Ø1" x 36"	Ø14"
8"	25'	7.14						Ø1" x 36"	Ø14"
8"	26'	5.36						Ø1" x 36"	Ø14"
8"	27'	3.64						Ø1" x 36"	Ø14"

Consult factory for internal reinforcement solutions for higher EPA ratings.

LUMENTECH POLE EPA RATING TABLE - CSA

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# Finishes

Our finishes are extremely durable, resistant, exterior polyester powder coatings that meet AAMA 2604-98 requirements (5-year Florida exposure). Corrosion Resistant Coatings (CRC) are available. Pre-finishes are also available to meet ASTM B-117, ASTM D-1654 (salt-spray resistant), and ASTM D-2247 requirements (humidity resistant).



## Other requirements met by Lumenpulse finishes include:

- ASTM 3359: Paint and varnishes – Cross-cut test
- ASTM D-1005: Paint and varnishes – Determination of film thickness
- ASTM D523-14 & ASTM D2457-13: Paint and varnishes – Determination of specular gloss of non-metallic paint films at 20 degrees, 60 degrees and 85 degrees
- ASTM D7127: Evaluation of blistering degree
- ASTM D4414 - 95: Standard Practice for Measurement of Wet. Film Thickness by Notch Gages
- ASTM D2369 - 10(2015)e1: Standard Test Method for Volatile Content of Coatings

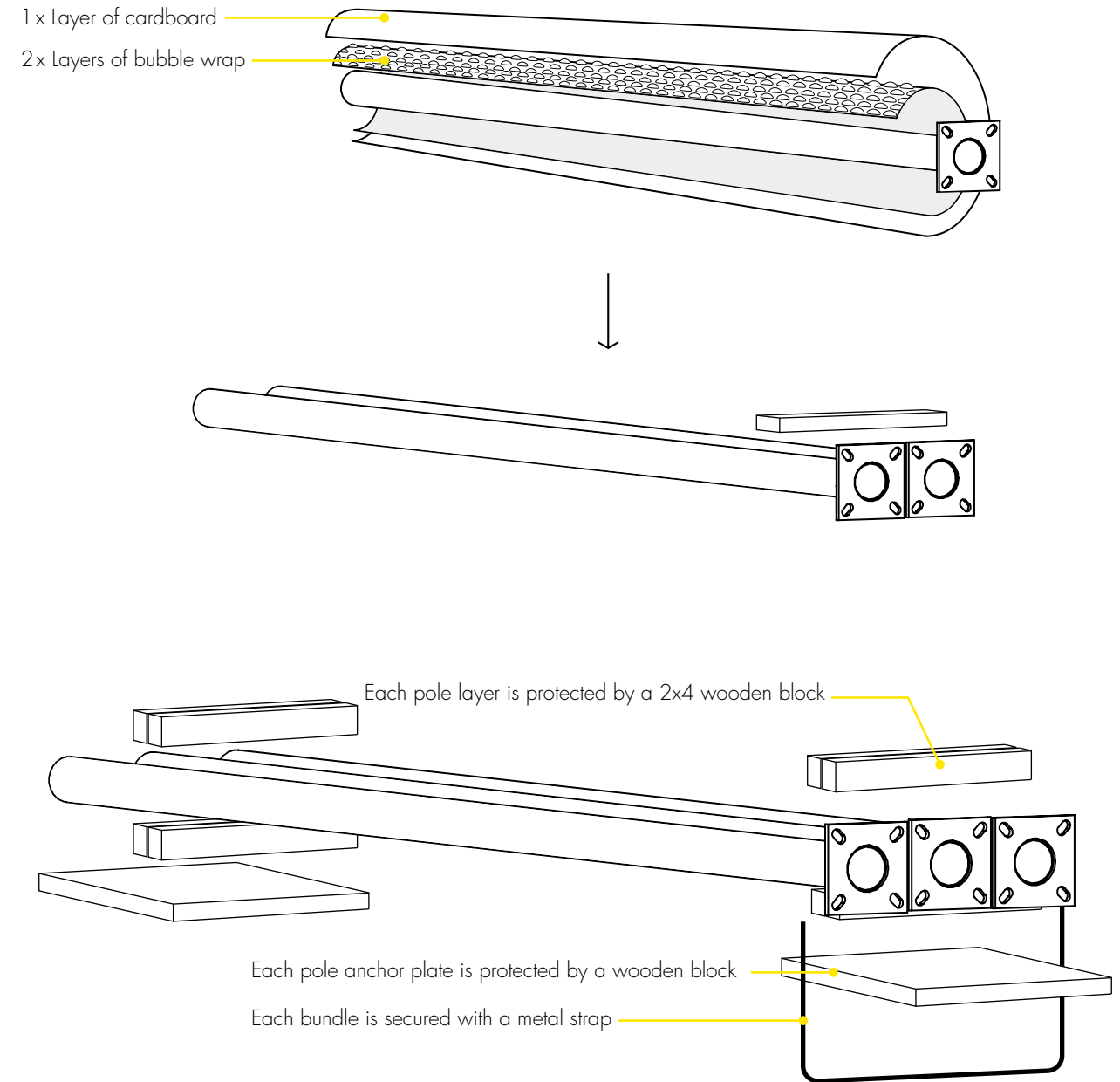
[1] Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). A textured finish is recommended for optimal surface finish and ease maintenance of poles and base covers. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish 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] Automatically included when a steel pole is specified, recommended near coastal installation.


**Steel:** Primer + Powder Coating + Clear Coat  
**Aluminum:** Primer + Powder Coating + Clear Coat

[3] Only available for steel poles with textured finish (immersion marks may occur). Luminaire cannot be matched to this color.

# Pole Packaging



 Each bundle weighs a maximum of 2000lbs (910kg) and is 4ft wide.

 All our poles come with a touch-up paint pen.





## Conditions

When selecting a pole and luminaire assembly, the stresses put upon the pole from both the dead-weight load in pounds and the total EPA in square feet of the light fixture and any additional attachments to the pole must be professionally assessed by a qualified engineer. No matter where you are installing outdoor light fixtures and pole assemblies, you are required to properly evaluate that specific wind conditions will not compromise the structural integrity of the assembly.

This guide's sole purpose is to help you determine the maximum EPA (sq.ft.) and weight load using Lumenpulse luminaires, poles, some accessories, and arms. It does not consider all bracketry, signs, decorations, overhead wires, or other equipment that might be mounted to the subject pole. Poles that are to be located in areas of known abnormal conditions will require special consideration.

In such cases, please consult a qualified engineer for more information. This guide will help you select the products needed for your project. However, all selections should be approved by a qualified engineer before purchasing.

Lumenpulse does not assume liability or responsibility for any errors or omissions in the content of this guide or for any damages of any kind related to the use or misuse of information provided.

For further information on EPA calculations, please consult a Lumenpulse representative. If there are discrepancies between this document and a Product Spec Sheet, please refer to the Product Spec Sheet.

For further reading, please refer to our white paper series: "EPA and the ABCs of Wind Safety"  
[www.lumenpulse.com/knowledge/lighting-outdoor-areas-using-epa](http://www.lumenpulse.com/knowledge/lighting-outdoor-areas-using-epa)

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### References

Canadian Highway Bridge Design Code (CSA-S6-06), [www.scc.ca/en/standardsdb/standards/23210](http://www.scc.ca/en/standardsdb/standards/23210).

Canadian Standards Association (CSA), [www.csagroup.org/standards/areas-of-focus/construction-infrastructure/](http://www.csagroup.org/standards/areas-of-focus/construction-infrastructure/).



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