



The Carlo LED Pole Light combines unmatched flexibility with resilient durability for dynamic outdoor lighting solutions. Its fully customizable pole height and finish color allow seamless integration into any setting, while the luminaire’s selection of beam angles and versatile mounting methods enable tailored illumination for diverse applications—from pathways and parking lots to architectural landscapes.

TECHNICAL DATA

Wattage	Single luminaire
	20W, 30W, 40W
CCT	2700K, 3000K, 4000K, 5000K
Beam Angle	15°, 24°, 36°, 50°, H50°*V20°
CRI	80
Driver	0-10V Dimming
Input Voltage	120-277V, 50/60Hz
Projected Lifetime	L70-100,000 hours
Operating Temp.	-4°F to 113°F (-20°C to 45°C)
Certifications	cETLus listed
	RoHS compliant
Power Factor	>0.9 at full load
Harmonic Distortion	<20% at full load
IP Rating	IP65

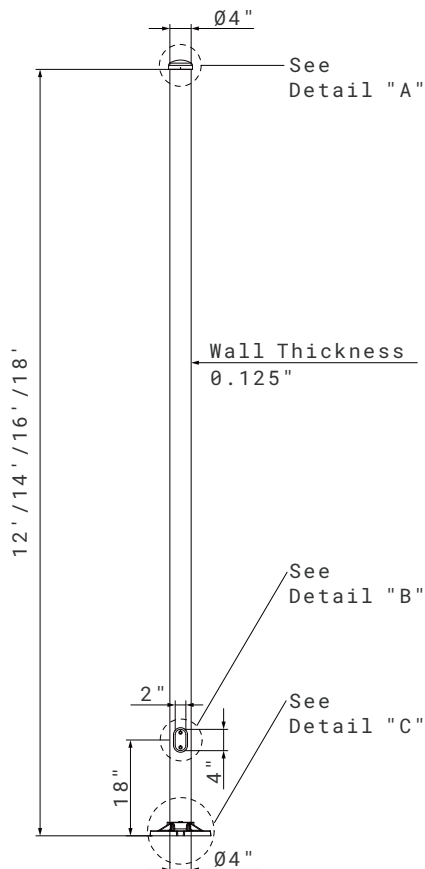
FEATURES

- **Adjustability & Adaptability:** Customizable pole height and finish color. Selection of beam angles and mountings. 180° tiltable luminaire.
- **Durable Construction:** Die-cast aluminum housing. Polycarbonate Lens. Marine grade treatment available.
- **Smart Compatibility:** 0-10V dimming for enhanced control.
- **Visual Comfort Optimization:** Optional shrouds and honeycomb louvre for visual comfort.

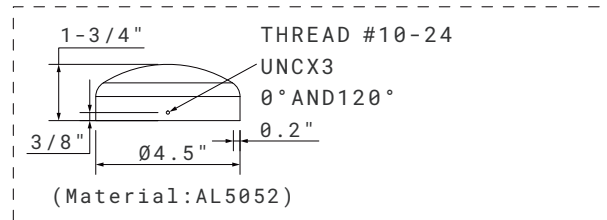
SPECIFICATION

4" Pole Side View

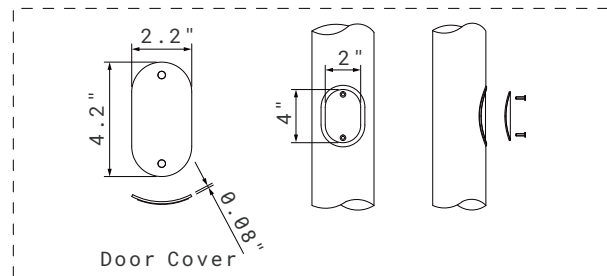
Pole Wall Thickness: 0.125"



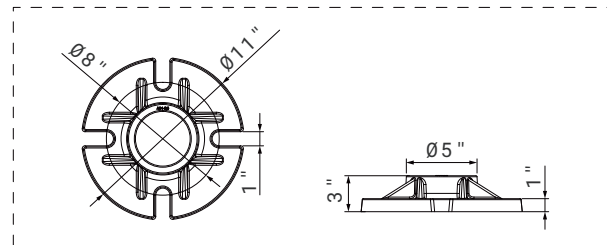
Detail "A" - Pole Cap Detail



Detail "B" - Door Detail

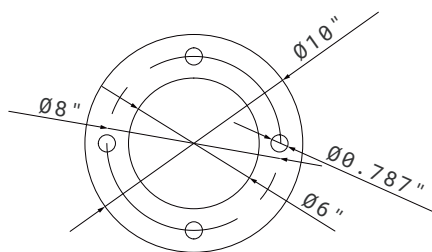


Detail "C" - Pole Base Detail



Anchor Bolt Plate (2 pcs)

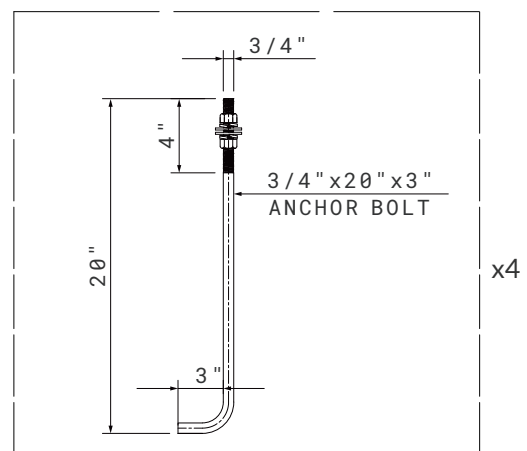
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Thickness: 0.118" (3mm)

Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail



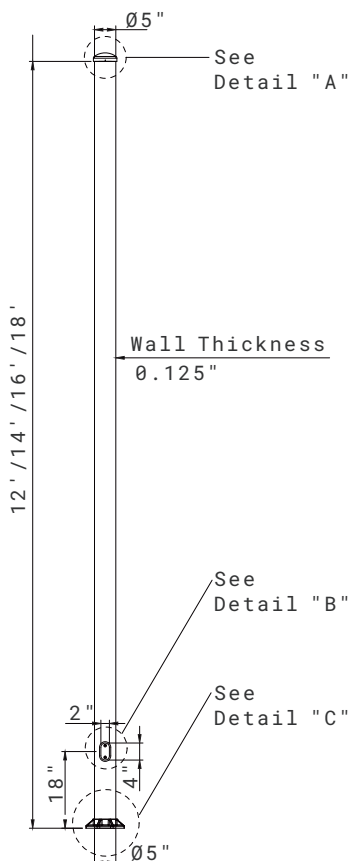
Anchor Bolt (for option)

*Please contact Customer Service for customized poles.

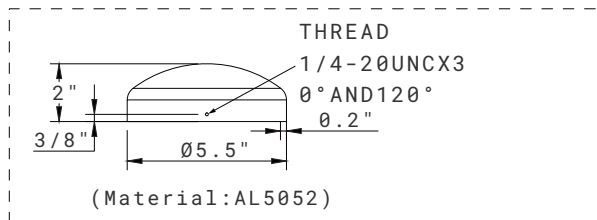
SPECIFICATION

5" Pole Side View

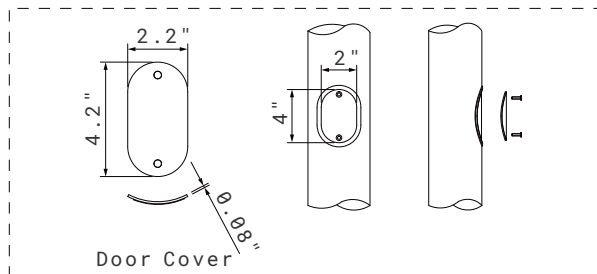
Pole Wall Thickness: 0.125"



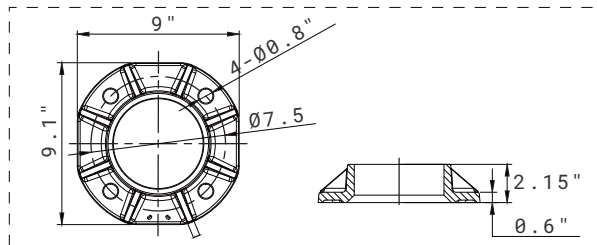
Detail "A" - Pole Cap Detail



Detail "B" - Door Detail

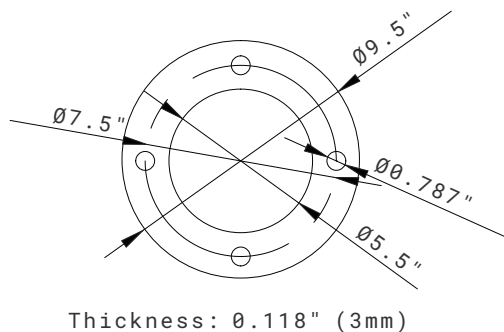


Detail "C" - Pole Base Detail



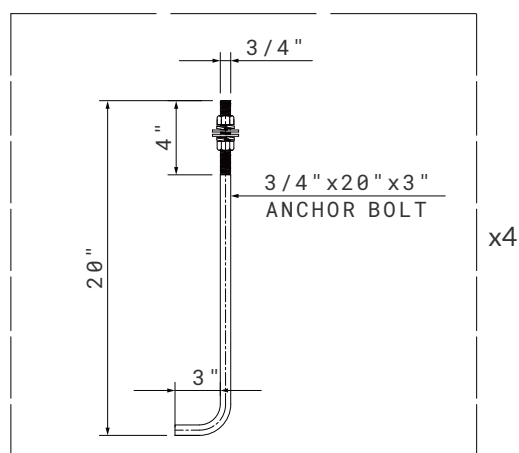
Anchor Bolt Plate (2 pcs)

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail

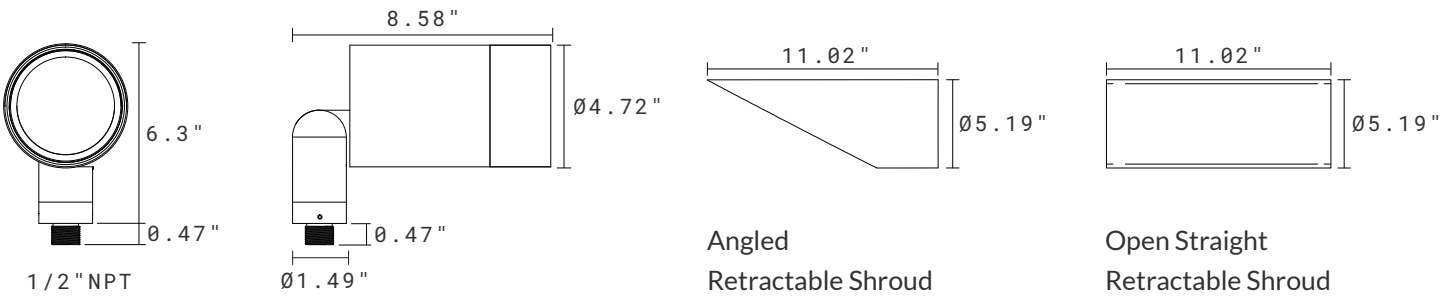


Anchor Bolt (for option)

*Please contact Customer Service for customized poles.

SPECIFICATION

Single Module 20W, 30W, 40W



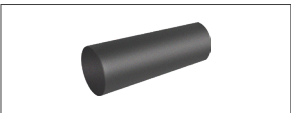
Shrouds



No Shroud



Angled Retractable Shroud

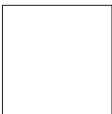


Open Straight Retractable Shroud

Housing Color



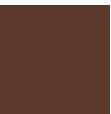
Black
RAL9011



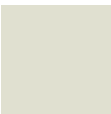
White
RAL9016



Gray
RAL7012



Mineral
Bronze



Silver
RAL9006

ORDERING INFORMATION

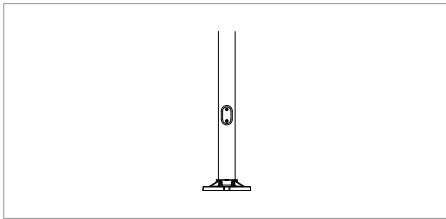
EXAMPLE: CARLO-C20301-50-KNS-AS-BK-1.8FT

CARLO									
Series	Wattage	CCT	Voltage	Beam Angle	Mounting	Shroud	Housing Color	Cable Length	Option
CARLO	C20 COB 20W	27 2700K	1 120-277V	15 15°	KNS Knuckle with 1/2 threaded Stem	NS No shroud	BK¹ Black RAL9011	1.8FT² <i>1.8ft cable is the standard cable length. Custom lengths are available at an additioal charge.</i>	BLANK None M Marine ambient corrosion resistance
	C30 COB 30W	30 3000K		24 24°		AS Angled Retractable Shroud	GY¹ Gray RAL7012		
	C40 COB 40W	40 4000K		36 36°		OS Open Straight Retractable Shroud	<i>Black & Gray are standard finish colors. Custom colors are available at an additioal charge.</i>		
		50 5000K		50 50°			WH White RAL9016		
				5020 H50° *V20°			BZ Mineral Bronze		
							SL Silver RAL9006		

NOTE:

1. Black and Gray are standard finish colors. Custom colors are available at an additional charge.
2. The standard cable length is 1.8ft. Custom cable lengths are available at an additional charge.

ACCESSORIES (ORDERED SEPARATELY)



ALRP4-12FT-0.125-BK

Aluminum Round Pole Ø4", 12ft
Wall thickness: 0.125"
With pole cap, black.

ALRP4-14FT-0.125-BK

Aluminum Round Pole Ø4", 14ft
Wall thickness: 0.125"
With pole cap, black.

ALRP4-16FT-0.125-BK

Aluminum Round Pole Ø4", 16ft
Wall thickness: 0.125"
With pole cap, black.

ALRP4-18FT-0.125-BK

Aluminum Round Pole Ø4", 18ft
Wall thickness: 0.125"
With pole cap, black.

ALRP5-12FT-0.125-BK

Aluminum Round Pole Ø5", 12ft
Wall thickness: 0.125"
With pole cap, black.

ALRP5-14FT-0.125-BK

Aluminum Round Pole Ø5", 14ft
Wall thickness: 0.125"
With pole cap, black.

ALRP5-16FT-0.125-BK

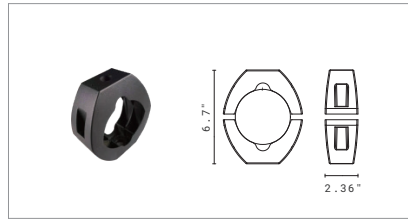
Aluminum Round Pole Ø5", 16ft
Wall thickness: 0.125"
With pole cap, black.

ALRP5-18FT-0.125-BK

Aluminum Round Pole Ø5", 18ft
Wall thickness: 0.125"
With pole cap, black.

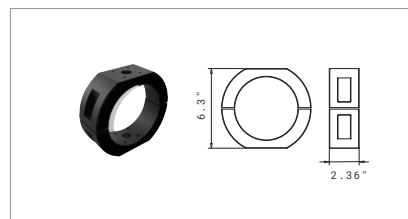
**Custom pole heights and finish colors available.*

**Please contact Customer Service for customized poles.*



HOFL-PCP-4-BK

Pole Clamp for 1 or 2 fixtures, Pole Dia. 4".



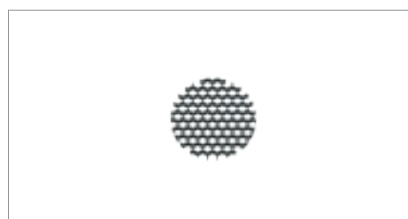
HOFL-PCP-5-BK

Pole Clamp for one or two fixtures, Pole Dia. 5".



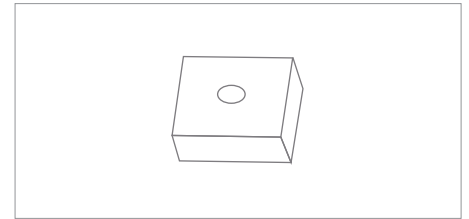
ABMK-3/4"-8

Galvanized Anchor Bolts Mounting Kits for 4" round pole.
Mounting hole: Ø8"
Anchor bolts size: 3/4"x20"x3"



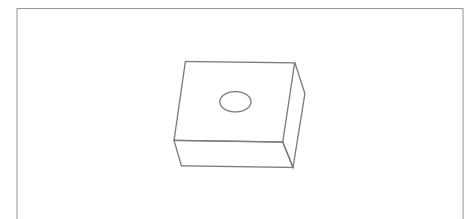
CARLO-HCL-04

Aluminum Honeycomb Louver.



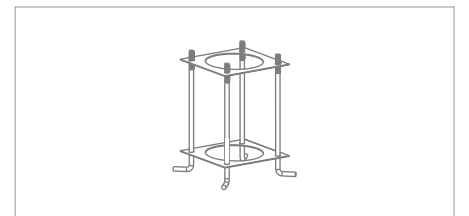
PBC4-BK

Pole Base Cover for Dia. 4" (O.D.) pole, Black.



PBC5-BK

Pole Base Cover for Dia. 5" (O.D.) pole, Black.



ABMK-3/4"-7.5

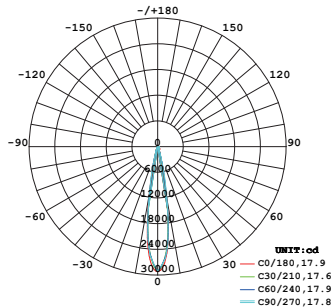
Galvanized Anchor Bolts Mounting Kits for 5" round pole.
Mounting hole: Ø7.5"
Anchor bolts size: 3/4"x20"x3"

PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.

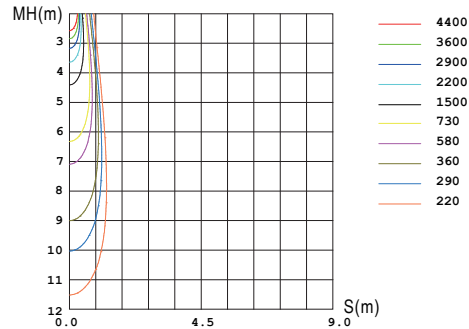
40W- 15°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



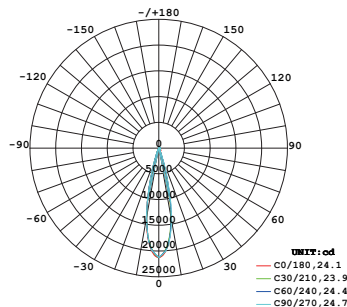
AVERAGE BEAM ANGLE(50%):17.8 DEG

CO PLANE ISOLUX DIAGRAM (UNIT:lx)



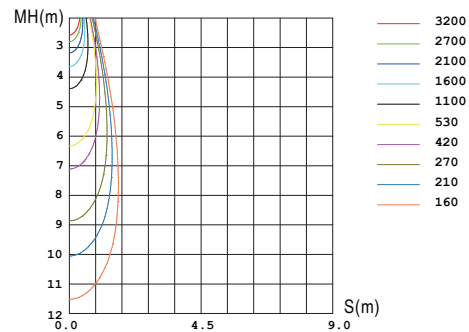
40W- 24°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



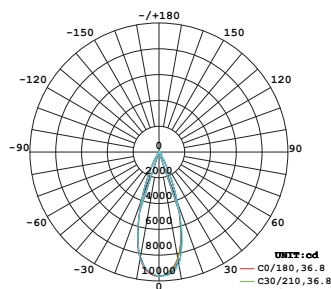
AVERAGE BEAM ANGLE(50%):24.3 DEG

CO PLANE ISOLUX DIAGRAM (UNIT:lx)



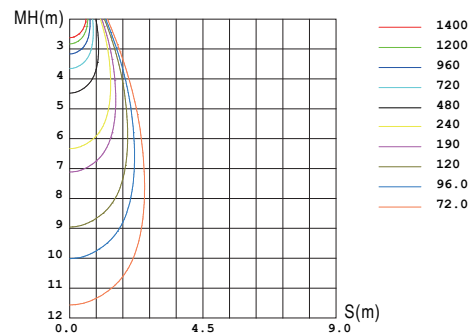
40W- 36°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.9 DEG

CO PLANE ISOLUX DIAGRAM (UNIT:lx)

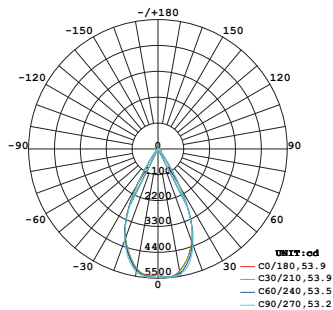


PHOTOMETRY

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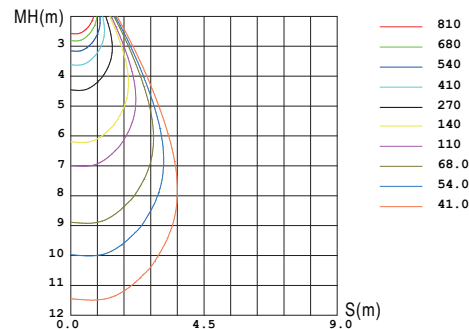
40W- 50°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



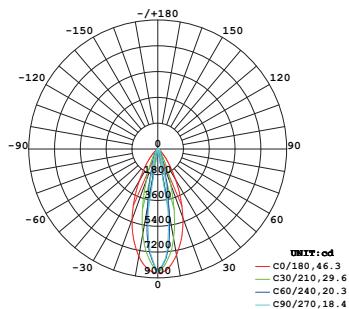
AVERAGE BEAM ANGLE(50%):53.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



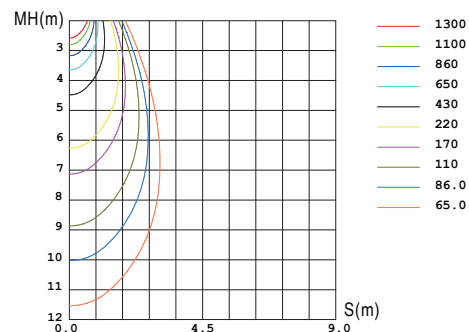
40W- H50°xV20°

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):28.7 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

WATTAGE	BEAM ANGLE	LUMENS (lm)	CCT	CRI	WATTAGE	BEAM ANGLE	LUMENS (lm)	CCT	CRI
20W	15°	2520lm	3000K	80	40W	15°	3671lm	3000K	80
20W	24°	2161lm	3000K	80	40W	24°	3958lm	3000K	80
20W	36°	2114lm	3000K	80	40W	36°	3878lm	3000K	80
20W	50°	2131lm	3000K	80	40W	50°	3924lm	3000K	80
20W	H50° x V20°	1608lm	3000K	80	40W	H50° x V20°	2878lm	3000K	80
30W	15°	2785lm	3000K	80					
30W	24°	2936lm	3000K	80					
30W	36°	2863lm	3000K	80					
30W	50°	2936lm	3000K	80					
30W	H50° x V20°	2159lm	3000K	80					

POLE DATA CHART

Pole Height	Wall Thickness	Pole Dimension(Ø)	Pole Material	Pole EPA	Max Basic Wind Speed
12ft	0.125"	Ø4"	Aluminum	5.928ft ²	180 mph
14ft	0.125"	Ø4"	Aluminum	6.916ft ²	160 mph
16ft	0.125"	Ø4"	Aluminum	7.904ft ²	140 mph
18ft	0.125"	Ø4"	Aluminum	8.892ft ²	130 mph
12ft	0.125"	Ø5"	Aluminum	7.41ft ²	180 mph
14ft	0.125"	Ø5"	Aluminum	8.65ft ²	180 mph
16ft	0.125"	Ø5"	Aluminum	9.88ft ²	160 mph
18ft	0.125"	Ø5"	Aluminum	11.12ft ²	140 mph

NOTE:

1. The wind speed datas are based on allowable design wind speed (VASD).
2. Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design.

WARRANTY

Five year limited warranty.

Specifications subject to change without notice.

Ref#: 20260724