

Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

Description

Lumecon Wood Poles are crafted from naturally durable Alaskan yellow cedar or southern yellow pine offering superior strength, resistance to decay, and insect attacks without harmful chemical preservatives. Engineered to meet high structural standards, these eco-friendly poles provide a safe and sustainable lighting solution for outdoor environments with an up 30' fixture mounting height. Made in America.

Technical Specifications

POLE: Stress rated laminated Alaskan yellow cedar or preservative treated southern yellow pine bonded with durable moisture-resistant adhesives in conformance with ANSI A190.1 Standard for Wood Products –Structural Glued Laminated Timber under American Institute of Timber Construction (AITC). Design based on AASHTO LRFDLTS-1 using wind pressures derived from ASCE 7-10 and ASCE 7-16 using an Importance Factor of 1.0 and Wind Exposure C. EPAs are applicable for IBC 2015, 2018 and 2021.

SECTION SIZE & LENGTH: Available section sizes: 5" x 5 1/2", 63/4" x 63/4", and 8 1/2" x 8 1/4". Lengths are available in 1' increments.

CENTER WIRE RACEWAY: Poles possess a 1" x 1 1/4" center wire raceway.

POLE TOP OPTIONS: Specify MC tenon tops available with 2 3/8" or 3" O.D. cylinders for top mount applications. Specify PC protective caps for side mount applications. Pilot holes and through bolt holes can be supplied pre-drilled with submitted template.

SIDE MOUNT OPTIONS: Custom steel cross arms up to 24" long can be available to support horizontal & vertical fixture mounting configurations.

FOUNDATION INSTALLATION: Specify BP base plates for foundation installation. AC cover skirts and fasteners are included. Base plates and cover skirts are laser cut steel powder coated flat black. Anchor bolts are supplied by others (see diagrams below for anchor bolt specification).

SURFACE TEXTURE: Specify smooth or rough sawn texture.

FABRICATION STYLES: Specify eased, radiused or chamfered edge options.

FACTORY STAINING: Poles can be factory stained with Sherwin- Williams® SuperDeck® semi-transparent stains, or can be painted or stained in the field to achieved desired color.

PACKAGING: Poles are job lot paper wrapped or can be individually paper wrapped.



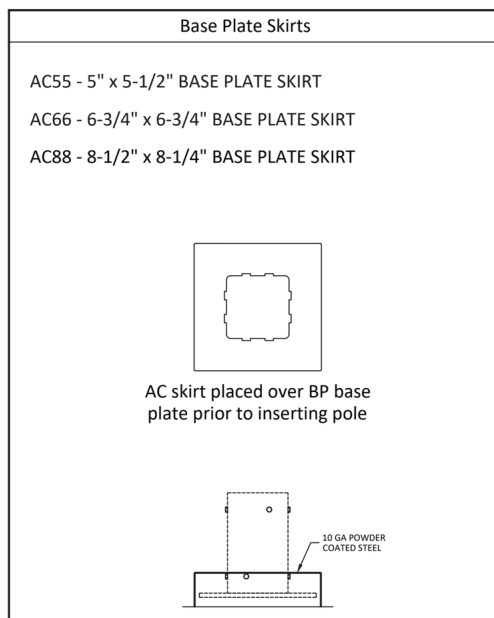
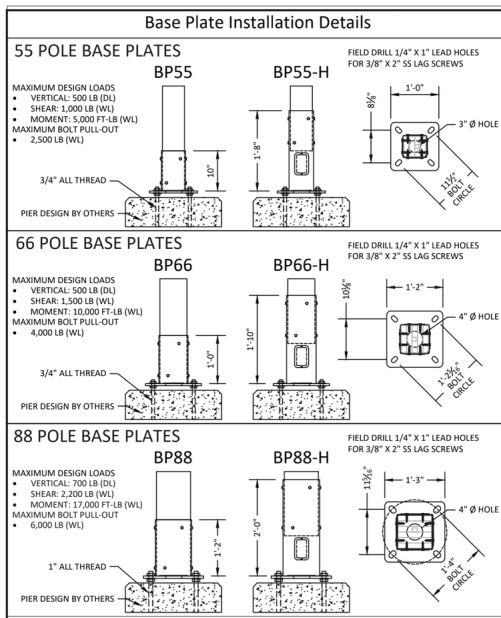
Wood Pole Ordering Information

LWP Options / Ordering Example: LWP-C-55-S-E-X-PC55-BP55-J




Model	Product	Section Size	Length	Texture	Fabrication	Stain Option	Top Cap	Base Plate	Paper Wrap						
LWP	C - Alaskan Yellow Cedar	55 - 5" x 5 1/2"	Overall Length	S - Smooth ¹	E - 1/4" eased edges ¹	X - No stain ¹	PC55 ²	N - None	J - Job lot ¹						
	SYP - Southern Yellow Pine	66 - 6 3/4" x 6 3/4"								R - Rough	H - 1/2" Radiused edges	SW____ ⁴	PC66 ²	BP55 ⁵	I - Individual
		88 - 8 1/2" x 8 1/4"									C - 1" Chamfered edges		PC88 ²	BP66 ⁵	
					P - 1" Partial Chamfered		MC55.2 or .3 ³	BP88 ⁵							
							MC66.2 or .3 ³	BP55-H ⁵							
							MC88.2 or .3 ³	BP66-H ⁵							
								BP88-H ⁵							

Notes:

- Standard price. Additional pricing applies to other options.
 - Metal protective cap
 - Metal tenon top mounts – indicate a .2 for a 2-3/8" tenon or .3 for a 3" tenon
 - SW _____ Indicates Sherwin-Williams SuperDeck semi-transparent stain color
 - AC skirts are included with base plates to conceal anchor bolts
- The above commercial light standard specification indicates C-55-16-S-E-X-MC55.2-BP55-J
 (Commercial-5"x5-1/2"x16"-smooth texture - eased edges - no stain - 2-3/8" tenon cap – individually paper wrapped)



Maximum Combined EPA Table - Base Mount

Fixture Configuration	EroVista Pole Size	Pole Height (ft)	Alaskan Yellow Cedar Poles						Southern Yellow Pine Poles					
			Maximum Fixture EPA (ft ²)						Maximum Fixture EPA (ft ²)					
			Wind Speed (mph)						Wind Speed (mph)					
			115	120	130	140	150	160	115	120	130	140	150	160
Top Mount Fixture 	5" x 5-1/2"	8	19.30	17.54	14.61	12.28	10.40	8.87	28.46	25.97	21.82	18.52	15.86	13.68
		10	14.31	12.91	10.54	8.50	6.86	5.51	21.67	19.69	16.38	13.76	11.65	9.90
		12	10.53	9.25	7.13	5.44	4.08	2.97	16.93	15.29	12.56	10.23	8.30	6.73
		14	7.16	6.08	4.30	2.89	1.75	0.81	13.08	11.56	9.04	7.04	5.42	4.09
		16	4.26	3.36	1.85	0.66			9.40	8.12	5.99	4.29	2.93	1.81
		18	1.80	1.03					6.35	5.26	3.42	1.98	0.81	
		20							3.73	2.78	1.20			
		22							2.19	1.72	0.72			
	6-3/4" x 6-3/4"	8	45.91	41.92	35.28	30.01	25.76	22.27	62.59	57.24	48.33	41.25	35.56	30.89
		10	35.25	32.07	26.77	22.57	19.01	16.06	48.55	44.29	37.19	31.55	27.00	23.28
		12	27.85	25.15	20.48	16.78	13.80	11.36	38.93	35.38	29.48	24.71	20.70	17.42
		14	21.47	19.11	15.19	12.07	9.55	7.49	31.36	28.22	22.95	18.76	15.38	12.61
		16	16.03	14.03	10.70	8.05	5.92	4.17	24.49	21.80	17.31	13.76	10.88	8.54
		18	11.56	9.84	6.96	4.69	2.85	1.35	18.89	16.57	12.70	9.63	7.16	5.13
		20	7.75	6.25	3.76	1.78			14.18	12.16	8.79	6.11	3.96	2.19
		22	4.44	3.12	0.93				10.14	8.36	5.39	3.04	1.15	
		24	1.62						6.78	5.19	2.53			
		26							3.57	2.15				
	28							0.80						
	8-1/2" x 8-1/4"	8	90.12	82.45	69.66	59.50	51.32	44.61	122.02	111.73	94.59	80.98	70.02	61.04
		10	70.12	63.99	53.78	45.67	39.14	33.79	95.55	87.34	73.65	62.80	54.04	46.86
		12	56.40	51.31	42.82	35.96	30.31	25.69	77.51	70.70	59.32	50.28	43.00	36.91
		14	45.65	41.16	33.72	27.81	23.04	19.13	63.49	57.70	48.09	40.21	33.80	28.56
		16	36.16	32.36	26.01	20.98	16.92	13.60	51.87	46.76	38.26	31.50	26.04	21.59
18		28.50	25.21	19.73	15.39	11.88	9.01	42.06	37.65	30.28	24.45	19.72	15.87	
20		22.05	19.17	14.40	10.61	7.55	5.04	33.97	30.09	23.65	18.54	14.41	11.03	
22		16.31	13.80	9.62	6.31	3.63	1.44	27.07	23.66	17.96	13.45	9.80	6.82	
24		11.62	9.39	5.67	2.72			21.41	18.34	13.23	9.18	5.92	3.25	
26		7.20	5.22	1.92				16.04	13.29	8.74	5.12	2.21		
28	3.45	1.66					11.55	9.07	4.94	1.66				
30							7.19	4.96	1.24					
Single Side Mount Fixture 	5" x 5-1/2"	8	6.93	6.36	5.42	4.68	4.07	3.58	7.83	7.20	6.13	5.29	4.61	4.05
		10	6.93	6.36	5.42	4.68	4.07	3.58	7.83	7.20	6.13	5.29	4.61	4.05
		12	6.93	6.36	5.42	4.68	3.90	2.81	7.83	7.20	6.13	5.29	4.61	4.05
		14	6.85	5.84	4.10	2.71	1.59	0.68	7.74	7.11	6.06	5.23	4.55	3.95
		16	4.04	3.15	1.68	0.51			7.57	6.95	5.81	4.14	2.80	1.70
		18	1.61	0.85					6.15	5.08	3.27	1.84	0.69	
		20							3.55	2.62	1.07			
		22							16.92	15.54	13.25	11.42	9.95	8.74
	6-3/4" x 6-3/4"	8	14.97	13.75	11.72	10.10	8.80	7.74	16.92	15.54	13.25	11.42	9.95	8.74
		10	14.97	13.75	11.72	10.10	8.80	7.74	16.92	15.54	13.25	11.42	9.95	8.74
		12	14.97	13.75	11.72	10.10	8.80	7.74	16.92	15.54	13.25	11.42	9.95	8.74
		14	14.80	13.59	11.58	9.99	8.70	7.36	16.73	15.36	13.09	11.29	9.83	8.64
		16	14.46	13.28	10.52	7.90	5.78	4.05	16.35	15.02	12.79	11.03	9.61	8.43
		18	11.37	9.66	6.81	4.56	2.73	1.24	15.99	14.68	12.51	9.50	7.04	5.03
		20	7.58	6.10	3.62	1.66			14.01	12.00	8.65	6.00	3.86	2.10
		22	4.28	2.98	0.81				10.00	8.22	5.27	2.93	1.06	
		24	1.48						6.64	5.06	2.42			
		26							3.44	2.03				
	28							0.69						
	8-1/2" x 8-1/4"	8	28.48	26.16	22.29	19.22	16.74	14.71	32.19	29.57	25.19	21.72	18.92	16.63
		10	28.48	26.16	22.29	19.22	16.74	14.71	32.19	29.57	25.19	21.72	18.92	16.63
		12	28.48	26.16	22.29	19.22	16.74	14.71	32.19	29.57	25.19	21.72	18.92	16.63
		14	28.15	25.85	22.03	19.00	16.55	14.54	31.82	29.22	24.90	21.47	18.71	16.44
		16	27.51	25.27	21.53	18.56	16.17	13.49	31.10	28.56	24.34	20.98	18.28	16.07
18		26.90	24.70	19.58	15.26	11.76	8.91	30.41	27.93	23.79	20.52	17.87	15.69	
20		21.87	19.02	14.26	10.49	7.45	4.95	29.74	27.32	23.28	18.42	14.31	10.94	
22		16.16	13.66	9.50	6.20	3.54	1.36	26.92	23.52	17.84	13.34	9.71	6.74	
24		11.48	9.26	5.56	2.62			21.27	18.21	13.10	9.09	5.84	3.18	
26		7.08	5.10	1.82				15.91	13.18	8.64	5.04	2.13		
28	3.33	1.56					11.44	8.96	4.85	1.59				
30							7.08	4.86	1.16					
Two or More Side Mount Fixtures 	5" x 5-1/2"	8	13.86	12.73	10.85	9.35	8.15	7.16	15.67	14.39	12.26	10.57	9.21	8.10
		10	13.85	12.57	10.25	8.25	6.64	5.32	15.67	14.39	12.26	10.57	9.21	8.10
		12	10.22	8.97	6.88	5.23	3.90	2.81	15.67	14.39	12.25	10.02	8.12	6.57
		14	6.90	5.84	4.10	2.71	1.59	0.68	12.82	11.32	8.83	6.85	5.27	3.95
		16	4.04	3.15	1.68	0.51			9.17	7.91	5.81	4.14	2.80	1.69
		18	1.61	0.85					6.15	5.08	3.27	1.84	0.69	
		20							3.55	2.62	1.07			
		22							33.85	31.09	26.49	22.84	19.90	17.49
	6-3/4" x 6-3/4"	8	29.94	27.50	23.43	20.21	17.60	15.47	33.85	31.09	26.49	22.84	19.90	17.49
		10	29.94	27.50	23.43	20.21	17.60	15.47	33.85	31.09	26.49	22.84	19.90	17.49
		12	27.54	24.86	20.24	16.57	13.62	11.20	33.85	31.09	26.49	22.84	19.90	17.49
		14	21.21	18.87	14.98	11.89	9.40	7.36	31.10	27.97	22.74	18.58	15.23	12.48
		16	15.81	13.83	10.52	7.90	5.78	4.05	24.27	21.59	17.14	13.60	10.75	8.42
		18	11.37	9.66	6.81	4.56	2.73	1.24	18.69	16.39	12.54	9.50	7.04	5.03
		20	7.58	6.10	3.62	1.66			14.01	12.00	8.65	6.00	3.86	2.10
		22	4.28	2.98	0.81				10.00	8.22	5.27	2.93	1.06	
		24	1.48						6.64	5.06	2.42			
		26							3.44	2.03				
	28							0.69						
	8-1/2" x 8-1/4"	8	56.95	52.31	44.58	38.43	33.48	29.43	64.38	59.14	50.39	43.45	37.85	33.27
		10	56.95	52.31	44.58	38.43	33.48	29.43	64.38	59.14	50.39	43.45	37.85	33.27
		12	56.09	51.02	42.58	35.75	30.13	25.53	64.38	59.14	50.39	43.45	37.85	33.27
		14	45.38	40.92	33.52	27.63	22.89	19.00	63.22	57.46	47.89	40.03	33.65	28.42
		16	35.93	32.15	25.84	20.83	16.79	13.49	51.64	46.55	38.08	31.34	25.91	21.47
18		28.31	25.03	19.58	15.26	11.76	8.91	41.87	37.47	30.13	24.31	19.61	15.77	
20		21.87	19.02	14.26	10.49	7.45	4.95	33.80	29.94	23.52	18.42	14.31	10.94	
22		16.16	13.66	9.50	6.20	3.54	1.36	26.92	23.52	17.84	13.34	9.71	6.74	
24		11.48	9.26	5.56	2.62			21.27	18.21	13.10	9.09	5.84	3.18	
26		7.08	5.10	1.82				15.91	13.18	8.64	5.04	2.13		
28	3.33	1.56					11.44	8.96	4.85	1.59				
30							7.08	4.86	1.16					

Notes:

- Design based on AASHTO LRFDLTS-1 using wind pressures derived from ASCE 7-10 and ASCE 7-16 using an Importance Factor of 1.0 and Wind Exposure C. EPAs are applicable for IBC 2015, 2018 and 2021.
- Poles are Alaskan Yellow Cedar or Southern Yellow Pine glue-laminated columns manufactured in accordance with ANSI A190.1. Southern Yellow Pine poles are pressure treated to a retention level required for Use Category UC4B per AWWA UC-1 standard and are suitable for ground contact, contact with freshwater, and exposure to saltwater splash.
- Maximum pedestal base height of 24" above grade. Pole height is the distance from the top of the pedestal to the top of pole.
- Total weight of fixtures assumed to be less than 50 lb. Maximum fixture offset of 24" assumed for side mounted fixtures.
- Use of hot dipped galvanized or stainless steel fasteners recommended. A gasket shall be used to isolate metal fixtures from treated SYP poles.
- Maximum Fixture EPA shown is for the total of all fixtures and attachment arms.