

Products

All-New S Series Large Venue Projectors



10,000-15,000
Lumens



RGB
Primary-colors



All Product
Support 3D Sync



16% Red Ratio



5 Optional Lens



100% CLO



Built-in
Blending & Wrapping
Geometric Correction



Cinema Level
Reliability

Light Weight Design

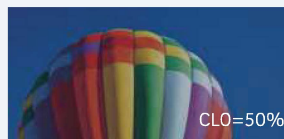
All-new light weight design has cut the weight of the system for over 20lbs.

$\leq 63.7\text{lbs}$



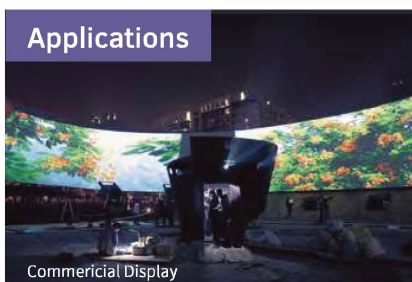
Superior Color Performance

Apotronics has creatively applied the RGB primary-colors technology in 1-Chip DLP® system. The RGB 3-segment color wheel system has yield superior picture performance at 100% color brightness.



$$\text{CLO}\% = \frac{\text{red field brightness} + \text{green field brightness} + \text{blue field brightness}}{\text{White Brightness}}$$

Applications



Specifications

Model		AL-SU10KA	AL-SU13KA	AL-SU15KA
Display Technology		DLP™x1, DLP™ projection system		
Panel Size		0.67" DMD		
Resolution		1,920×1,200, WUXGA		
Brightness Output ^①		10,000 (ANSI) / 10,500 (Center)	13,000 (ANSI) / 13,800 (Center)	15,000 (Center)
Light Source Type		ALPD® Laser (Laser type: Class 1)		
Life Source Lifetime ^②		20,000h (Standard Mode)		
Contrast ^③		100,000 :1		
Uniformity		90%		
Display Gamut		REC. 709		
Edge Blending		Horitonal & vertical edge blending		
Optional Lenses		0.62:1, 0.8:1, 1.23-1.97:1, 1.62~2.96:1, 2.86-4.85:1, 4.68-7.96:1		
Screen Size		40" ~ 600"		
Keystone		Vertical/Horizontal ±20°		
Optical Axis Shift		Vertical: ±100%, Horizontal: ±40%, powered		
Input Resolution		1,920x1,200 pixels (higher resolution will be scaled to 1,920x1,200 pixels)		
I/O		DVI × 1 / HDMI × 1 / DP × 1 / VGA × 1 / BNC × 5 / SDI × 1 / 3D SYNC × 2(in/out) / Wired Remote M3 × 2 (in/out) / HDBaseT × 1 (compatible with RJ45) / RS232 × 2 (in/out) / USB × 1 / IR 3D OUT × 1		
Power Supply		100-240V AC, 50/60Hz		
Power Consumption	Standard	950W	1300W	1400W
	Stand by	Power saving 0.5W/ Stand by 7W		
Orientation		360°		
Noise		35dB (ECO)/39dB (Standard)		
Structure	Measurements ^④	24.4" × 21" × 7"		
	Weight ^⑤	59 lbs	63.7 lbs	63.7 lbs
Working Environment	Temperature ^⑥	32°F~104°F (95°F~104°F Eco Mode)		
	Humidity	20%~80% (no condensation)		
Accessories		Power cable x1, wireless /wired remote control unit, remote control, batteries, software CD-ROM		

① Based on ISO21118 standard. ② Full white/full black. ③ Not including protruding parts. ④ Including standard lens. Average value. ⑤ Operation temperature will be set to 32°F~95°F when working under High Altitude Mode. Output of projector will be reduced to 50% if ambient temperature exceeds 95°F. ⑥ The output of the projector will have decreased by approximately 50% around this time. Data from accelerated lab simulations. Actualtime may vary according to the operating modes, environment and other user behaviors.

Projection Image Size					Projection Distance															
Diagonal	Width		Height		AL-120MA (Standard)				AL-EL062FR		AL-EL080FR		AL-EL300LZ				AL-EL470TZ			
Inch	Meter	Feet	Meter	Feet	Min. (m)	Min. (ft)	Max. (m)	Max. (ft)	Meter	Feet	Meter	Feet	Min. (m)	Min. (ft)	Max. (m)	Max. (ft)	Min. (m)	Min. (ft)	Max. (m)	Max. (ft)
70	1.51	4.95	0.94	3.08	1.85	6.07	2.97	9.74	0.93	3.05	1.21	3.97	4.31	14.14	7.31	23.98	7.06	23.16	12.00	39.36
80	1.72	5.64	1.08	3.54	2.12	6.95	3.39	11.12	1.07	3.51	1.38	4.53	4.93	16.17	8.36	27.42	8.06	26.44	13.72	45.00
90	1.94	6.36	1.21	3.97	2.38	7.81	3.82	12.53	1.20	3.94	1.55	5.08	5.54	18.17	9.40	30.83	9.07	29.75	15.43	50.61
100	2.15	7.05	1.35	4.43	2.65	8.69	4.24	13.91	1.34	4.40	1.72	5.64	6.16	20.20	10.45	34.28	10.08	33.06	17.15	56.25
120	2.58	8.46	1.62	5.31	3.18	10.43	5.09	16.70	1.60	5.25	2.07	6.79	7.39	24.24	12.54	41.13	12.10	39.69	20.57	67.47
150	3.23	10.59	2.02	6.63	3.97	13.02	6.36	20.86	2.00	6.56	2.58	8.46	9.24	30.31	15.67	51.40	15.12	49.59	25.72	84.36
200	4.31	14.14	2.69	8.82	5.30	17.38	8.49	27.85	2.67	8.76	3.45	11.32	12.32	40.41	20.89	68.52	20.16	66.12	34.29	112.47
250	5.38	17.65	3.37	11.05	6.62	21.71	10.61	34.80	3.34	10.96	4.31	14.14	15.40	50.51	26.12	85.67	25.20	82.66	42.86	140.58
300	6.46	21.19	4.04	13.25	7.95	26.08	12.73	41.75	4.01	13.15	5.17	16.96	18.48	60.61	31.34	102.80	30.24	99.19	51.44	168.72
350	7.54	24.73	4.71	15.45	9.27	30.41	14.85	48.71	4.67	15.32	6.03	19.87	21.56	70.72	36.56	119.92	35.28	115.72	60.01	196.83
400	8.62	28.27	5.38	17.65	10.60	34.77	16.97	55.66	5.34	17.52	6.89	22.60	24.64	80.82	41.79	137.07	40.32	132.25	68.58	224.94
450	9.69	31.78	6.06	19.88	11.92	39.10	19.09	62.62	6.01	19.71	7.75	25.42	27.72	90.92	47.01	154.19	45.36	148.78	77.15	253.05
500	10.77	35.33	6.73	22.07	13.25	43.46	21.22	69.60	6.68	21.91	8.62	28.27	30.80	101.02	52.23	171.31	50.40	165.31	85.73	281.19
550	11.85	38.87	7.40	24.27	14.57	47.79	23.34	76.56	7.34	24.08	9.48	31.09	33.88	111.13	57.46	188.47	55.44	181.84	94.30	309.30
600	12.92	42.38	8.08	26.50	15.90	52.15	25.46	83.51	8.01	26.27	10.34	33.92	36.96	121.23	62.68	205.59	60.48	198.37	102.87	337.41

