

# 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.

**≤ 63.7lbs**

### Superior Color Performance

Apoptronics 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.


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



# 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 <sup>①</sup>	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 <sup>②</sup>	20,000h (Standard Mode)		
Contrast <sup>③</sup>	100,000 :1		
Uniformity	90%		
Display Gamut	REC.709		
Edge Blending	Horizontal & 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
	Stand by	Power saving 0.5W/ Stand by 7W	
Orientation	360°		
Noise	35dB (ECO)/39dB (Standard)		
Structure	Measurements <sup>④</sup>	24.4" × 21" × 7"	
	Weight <sup>⑤</sup>	59 lbs	63.7 lbs
Working Environment	Temperature <sup>⑥</sup>	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)
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

