

Product

F Series High Performance Installation Projector



7,200-8,200
Lumens



ALPD® Laser
Light Source



All Product
Support 3D Sync



10% Red Ratio



5 Optional Lens



62% CLO



Built-in
Blending & Wrapping
Geometric Correction



Cinema Level
Reliability

Light Weight Design

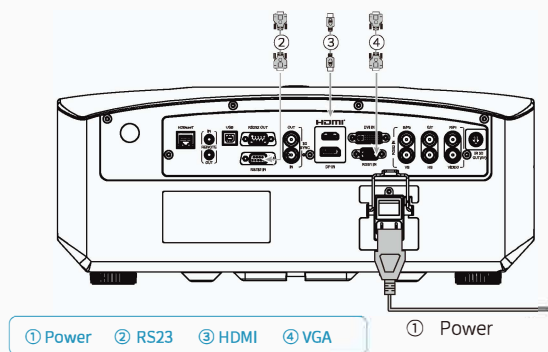
All-new design to reduce weight for 24%.

≤ 37.03lbs

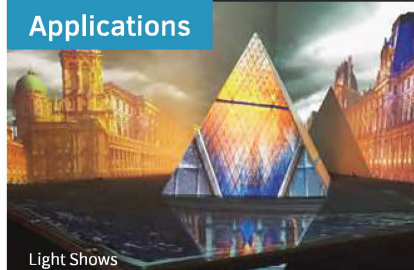


Rich I/O with HDBaseT as Standard

Rich array of input/output connection types, with HDBaseT interface as standard.



Applications



Specifications

Model	AL-FU750A	AL-FU820A	
Display Technology	DLP™x1, DLP™ projection system		
Panel Size	0.67" DMD		
Resolution	1,920×1,200, WUXGA		
Brightness Output ^①	7,200 lm	8,200 lm	
Light Source Type	ALPD® Laser (Laser type: Class1)		
Life Source Lifetime ^②	20,000h (Standard Mode)		
Contrast ^③	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" ~ 300"		
Keystone	Vertical/Horizontal ±20°		
Optical Axis Shift	Vertical: ±100%, Horizontal: ±40%, powered		
Input Resolution	1,920x1,200 pixels (higher resolution will be scaled into 1,920x1,200 pixels)		
I/O	DVI × 1 / HDMI × 1 / DP × 1 / VGA × 1 / BNC × 5 / CVBS × 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	550W	
	Stand by	Power saving 0.5W/ Stand by 7W	
Orientation	360°		
Noise	35dB (ECO)/37dB (Standard)		
Structure	Measurements ^④	17.9" × 17.9" × 7"	
	Weight ^⑤	37 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		

①Based 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. Actual time 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

