

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

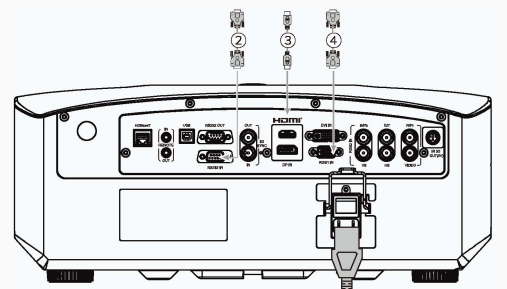
All-new design to reduce weight for 24%.

≤ 37.03lbs



Rich I/O with HDBaseT as Standard

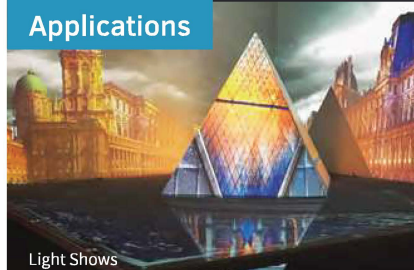
Rich array of input/output connection types, with HDBaseT interface as standard.



① Power ② RS232 ③ HDMI ④ VGA

① Power

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 |

