



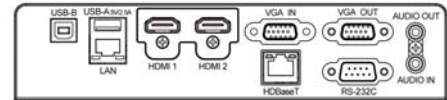
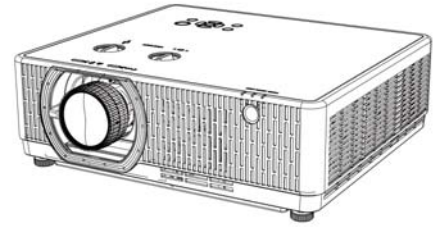
Projectors... and More!

**EK-820LU**

8,200 center lumens bright with 80% uniformity and a 5,000,000:1 contrast ratio. Native WUXGA resolution. Compatible with inputs up-to UXGA, WUXGA and 4K. Supports analog and digital video input in all color standards up-to 1080p. Supports 4K video input via HDMI. Convenient mid-range (1.6:1) manual zoom and focus lens. Horizontal, Vertical & Corner Keystone Correction. Pincushion/Barrel & 6 point Geometric Correction. Horizontal & Vertical Manual Lens Shift. Wired network control. Displays 4:3, 16:9 and 16:10 aspect ratios. Supports most HDTV resolutions. Built-in 16 Watt sound system. Closed Caption decoding (NTSC). Side-accessed air filter for ease of maintenance. Auto input selection. Built-in Test Patterns. Security bar. Kensington® MicroSaver® security slot. PIN lock. 3 year Projector warranty. 20,000 hour Laser Light Engine warranty.

**EK-820LU**

8,200 Lumens / WUXGA / 3LCD  
Laser + Phosphor Light Engine  
Accepts inputs up-to 4K  
Crestron RoomView™ & AMX Device Discovery Technology



**Included Accessories:**

Quick Start Guide, HDMI Cable, Detachable Power Cord, Remote Control (with 2x AAA Batteries)

**Optional Accessories:**

Replacement Filter, Ceiling Mount, Ceiling Post and Plate

**Specifications: Model EK-820LU**

<b>Brightness</b>	8,200 Center Lumens	<b>Image Signal Resizing</b>	Smart Scaling Technology
<b>Contrast Ratio</b>	5,000,000:1	<b>Image Signal Inputs</b>	
<b>Illumination Uniformity</b>	80%	<b>Computer 1</b>	Dsub15 x 1
<b>Resolution and Aspect Ratio</b>	WUXGA (1920x1200), 16:10	<b>Digital Video (w/ HDCP)</b>	HDMI x 2
<b>Color Reproduction</b>	10-bit (16.7 million colors)	<b>HDBaseT</b>	RJ45 x 1
<b>Projection Light Source</b>	Laser (Blue) + Phosphor	<b>USB-A - Memory Viewer</b>	USB Type A x 1
<b>Estimated Light Source Life</b>	20,000 hours	<b>USB-B - USB Display / Firmware</b>	USB Type B x 1
<b>Total Pixels</b>	6,912,000 (1920x1200) x 3	<b>Audio Signal Inputs</b>	
<b>Imaging System</b>	0.64 in (16 mm) inorganic LCD Panels x 3	<b>Computer Audio</b>	MiniStereo x 1
<b>Scanning Frequency</b>	Auto: H Sync. 15-100 KHz, V Sync. 24-85 Hz	<b>Outputs</b>	
<b>Pixel Clock</b>	up-to 300 MHz	<b>Computer Monitor</b>	Dsub15 x 1
<b>Lens</b>	Attached - Manual Zoom and Focus	<b>Audio Output</b>	Variable, Stereo: MiniStereo x 1
<b>Lens Specs</b>	f: 1.5-2.08; FL: 0.677-1.09 in (17.2-27.7 mm)	<b>Speaker</b>	Mono: 16 Watt
<b>Lens Ratios</b>	Zoom Max:Min: 1.6:1; Throw:Width 1.2-2.0:1	<b>Fan Noise (Eco / Normal)</b>	29 dB / 39 dB
<b>Image Diagonal</b>	30-300 in (76.2-762 cm)	<b>Cabinet Size (HxWxD) - excluding legs</b>	5.3 x 15.9 x 14.7 in (13.5 x 40.5 x 37.3 cm)
<b>Image Width</b>	2.1-21.2 ft (0.64-6.4 m)	<b>Weight</b>	17.0 lb (7.7 kg)
<b>Throw Distance</b>	2.5-42.0 ft (0.77-12.8 m)	<b>Packaged Cabinet Size (HxWxD)</b>	0.0 x 19.8 x 19.3 in (25.5 x 50.3 x 48.9 cm)
<b>Lens Shift</b>	V: + 60% H: +/- 29%	<b>Packaged Weight</b>	22.9 lb (10.4 kg)
<b>Projector Elevation Adjustment (legs)</b>	Up-to 3.5°	<b>Operating Temperature</b>	41-104°F (5-40°C)
<b>Maximum Pitch</b>	Up-to 360° Installation	<b>Electrical Safety Compliance</b>	IEC / UL / cUL
<b>Vert/Horiz. Keystone Correction</b>	Digital: V: +/- 30° H: +/- 30°, Corner Keystone	<b>Electromagnetic Compatibility</b>	FCC Class B, CE Mark
<b>Image Orientation</b>	Normal, Reversed, Inverted	<b>Power Requirements</b>	100-240V AC, 50/60 Hz
<b>Local Control / Power Management</b>	Full Function / Auto Shutdown	<b>Power Consumption</b>	0.5 W in Eco Standby mode, up-to 425 W
<b>Remote Control</b>	Wireless x 1	<b>Heat</b>	1,450 BTU
<b>RS-232 Control</b>	Dsub9 x 1	<b>Security Facilities</b>	Kensington® Security Slot
<b>LAN Port</b>	RJ45 x 1	<b>User Maintenance</b>	Clean Filter
<b>Computer Input in Pixels</b>	up-to 1600x1200 (4:3), 3840x2160 (16:9)	<b>Limited Warranty: to the original end use customer only</b>	
<b>Analog 4x3 Inputs</b>	UXGA, SXGA+, SXGA, XGA, SVGA, VGA	<b>Projector</b>	*3 years / 6,000 hours
<b>Analog Wide Inputs</b>	WUXGA, WSXGA+, WXGA	<b>Laser Light Engine only</b>	20,000 hours use
<b>Digital 4x3 Inputs</b>	UXGA, SXGA+, SXGA, XGA, SVGA, VGA		*(whichever occurs first)
<b>Digital Wide Inputs</b>	4K, WUXGA, WSXGA+, WXGA		
<b>Video Formats</b>	NTSC / PAL / SECAM		
<b>Video Input Analog</b>	480i/p, 576i/p		
<b>Video Input Digital</b>	480p, 576p, 720p, 1080i/p		

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