SHARP®

A Series
Professional Advanced LCD
Laser Installation Projectors
XP-A824U / XP-A104U

Sulforaphane
Application to study pharmacokinetics

4K UHD READY

laser light source

**Professional Installation Projectors ideal for corporate,
higher education and museum applications**

LCD laser installation projectors deliver extreme brightness and keep audiences engaged in classrooms, conference rooms and auditoriums.

Why It Works for You

- Multi-screen wow factor - Seamlessly support Picture-by-Picture or Picture-in-Picture, and use TileMatrix to power 4Kx2K resolution across four projectors - no extra hardware needed.
- Effortless scalability - Built-in daisy chain and edge-blending let you expand visuals and merge multiple images into one seamless experience.
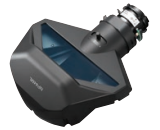
4K UHD READY

Integrated for Smarter Performance

- 4K-Ready Brilliance – Experience stunning 4K 60P playback powered by Sharp's proprietary video processing chip. Enjoy HDR10 and BT.2020 content from Ultra HD Blu-ray and 4K broadcasts with every detail intact.
- Seamless Control – Preloaded with AMX Beacon, Crestron RoomView, Extron XTP, and PJ Link for full system integration.
- Lower Install Costs – Native competitor command support eliminates expensive reprogramming, making setup faster and more affordable.
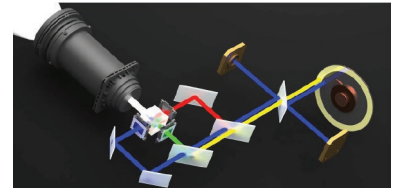
Flexible Installation, Your Way

- Swap lenses with ease – Motorized bayonet-style lenses make changes quick, with throw distances from 2.5 to 68.5 ft.
- Ultra-short throw option – The new lens lets you mount the projector above the screen or even above the ceiling line for a clean, hidden setup.
- Any angle, any space – Roll Free design supports portrait orientation and adapts to almost any environment.
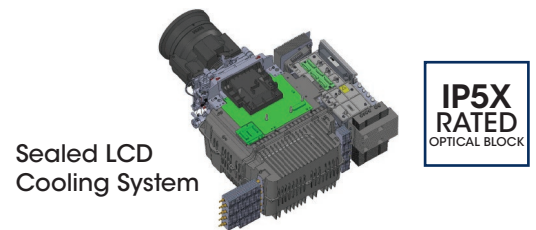
Laser Power

- Instant on – No wait time, images appear immediately after startup.
- Best-in-class balance – Dual blue lasers deliver consistent colour and white balance throughout the projector's life.
- Built to last – Inorganic optical components extend reliability and peace of mind.
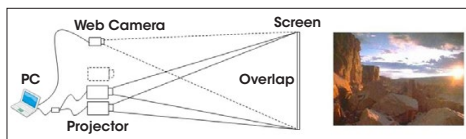
Virtually Maintenance Free

- Filter free design.
- IP5X certified Sealed LCD cooling system prevents dust from reaching the optics and eliminates the need for a filter.
- Peace of mind - No dust artifacts, no image degradation, just long-lasting performance.

Sealed LCD Cooling System

IP5X RATED OPTICAL BLOCK

Brighter, Safer Visuals

Boost brightness up to 68,000 lumens with built-in stacking correction (up to four projectors) - perfect for massive screens and high ambient light environments.

Never lose the picture - if one projector goes down, your content stays visible.

Web Camera / Screen / PC / Overlap / Projector

Seamless Big-Screen Impact

Edge blending merges multiple projections into one flawless, high-resolution image - no seams, just a smooth, cinematic display.

ProAssist™ Total Control, Simplified

Manage multiple projectors with ease using ProAssist™ software.

Fine-tune every detail - from input switching and lens adjustments to edge blending, uniformity, and gamma - all from a simple, intuitive interface.
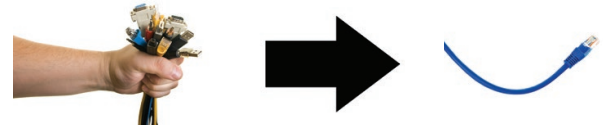
ProAssist™

Built-In HDBaseT: One Cable, Total Simplicity

Streamline installs with a single cable (up to 100m) carrying uncompressed Full HD video, audio, Ethernet, and control signals.

Cut costs, reduce clutter, and enjoy stunning visuals without extra hardware or complex wiring.

Stay Connected, Stay Flexible

- Multiple digital inputs for fast, seamless switching between presentations.
- Three audio inputs (HDMI1, HDMI2, and HDBaseT) let you easily add sound for a more engaging experience.

Remote control

Wired and wireless backlit remote allows you to adjust for complete control of the projector's menu structure in a well lit or dark environment. Direct controls such as lamp mode, aspect ratio, volume and input selection eliminates multiple button pushes.

Digital Inputs

Among the A Series' wide selection of inputs are dual HDMI w/HDCP and HDBaseT w/HDCP for connecting to high-definition sources such as Blu-ray players, cable boxes, satellite receivers and personal computers.

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Cable Cover

This included accessory creates a clean look for your installation, while hiding signal cables and the power cord.

Advanced Software Features

Vertical cylindrical convex screen | Horizontal cylindrical concave screen | Vertical cylindrical concave screen | Corner

Geometric Correction

Projecting an image isn't confined to a standard flat screen or wall with the A Series. Geometric correction allows these models to project an image on spheres, cylinders, corner angles and many more non-standard surfaces.
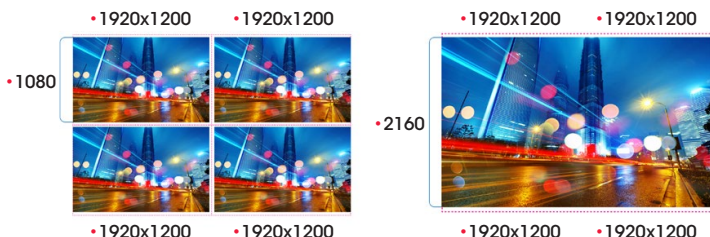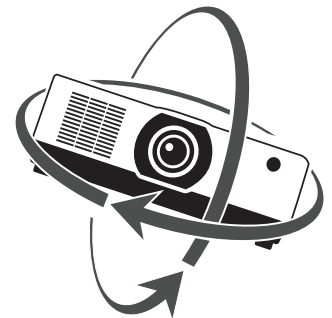
Screen Splitter

Sharp is committed to bringing the latest and greatest innovation to projectors. Multi-display capabilities and TileMatrix technologies are integrated into the new A Series projectors. This processing is all done internally and therefore eliminates the additional hardware typically required to produce a beautiful 4K resolution image.

•1920x1200 •1920x1200 •1920x1200 •1920x1200
•1080
•2160
•1920x1200 •1920x1200 •1920x1200 •1920x1200

Screen Splitter (Multi-Display) by Daisy Chain
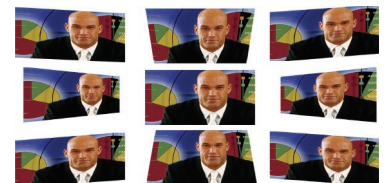
Roll Free

When installation requirements dictate the projector needs to be placed at different angles the A Series with Roll Free capabilities assures it is the correct projector of choice.

Cornerstone

Enhanced keystone correction allows for horizontal, vertical and diagonal image correction for aligned images even when the projector is set up at an angle to the screen.

Unique Features That Make a Difference

Maintenance made easy – IP5x sealed LCD cooling system eliminates filters, cutting ongoing maintenance and lowering total cost of ownership.

Simplified connectivity – HDBaseT in/out lets video, audio, and control signals pass between projectors effortlessly.

Quiet, focused experience – Low-noise operation keeps audiences engaged without distractions.

Seamless integration – Competitor command support reduces the need for reprogramming, saving time and installation costs.

Warranty

Registered owners receive a five (5) year or 20,000 hours (whichever comes first) parts and labour warranty.
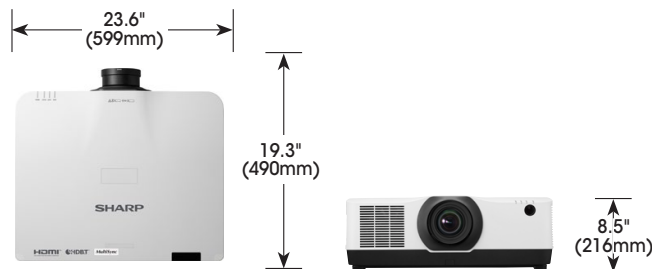
In the Box

Remote control, batteries, power cord, cable cover, quick start guide, product registration card.

Accessories*

RMT-PJ40	Replacement Remote Control
Optional Lenses	XP-40ZL, XP-41ZL, XP-43ZL, XP-44ML, XP-50ZL
IPJ2000CM	Ceiling Mount
AEC006009	Adjustable Extension Column, 6" - 9"
AEC012018	Adjustable Extension Column, 12" - 18"
AEC0203	Extension Column, 2' - 3'
AEC0305	Adjustable Extension Column, 3' - 5'
XP-02LK	Mounting Bracket for XP-44ML

Ordering Model Numbers

XP-A824U-B	XP-A104U-B
XP-A824U-W	XP-A104U-W

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1   IEC 60825-1:2014
FOR USA
CLASS 3R LASER PRODUCT   WAVE LENGTH: 455 nm
AVOID DIRECT EYE EXPOSURE   MAX OUTPUT: 333 mW
LASER RADIATION   IEC 60825-1:2007
24L89881

LASER APERTURE
OUVERTURE LASER

23.6" (599mm)
19.3" (490mm)
8.5" (216mm)

Model			XP-A824U	XP-A104U
Display Technology			0.76" LCD	
Light Output (lumens)	Brightness (typical)		8,200 Lumens	10,000 Lumens
	Brightness (maximum)		8,600 Lumens	10,500 Lumens
Resolution	Screen		WUXGA 1920x1200	
	Maximum		4K 4096 x 2160	
Aspect Ratio			16:10 (Supports 4:3, 16:9, 21:9)	
Contrast Ratio (up to)			3,000,000:1 (with Dynamic Contrast)	
Laser Life (up to)			20,000 hours	
Screen Size (diagonal)			XP-50ZL, XP-40ZL, XP-41ZL, XP-43ZL; 60 to 500 in. / 1.52 to 12.7m, XP-44MK-02: 97-400 in. / 2.46 to 10.16 m	
Throw Ratio	XP-44ML		0.32:1	
	XP-50ZL		0.6-0.76:1	
	XP-40ZL		0.79 - 1.11:1	
	XP-41ZL		1.30 - 3.02:1	
	XP-43ZL		2.99 - 5.93:1	
Projection Distance			2.5 to 68.5 ft. / 0.74 to 20.9m	
Projection Angle			10.3 to 10.8° tele / 13.7 to 14.5° wide	
Lens*			Motorized	
	Zoom	XP-44ML	1.0x	
		XP-50ZL	1.25x	
		XP-40ZL	1.4x	
		XP-41ZL	2.3x	
		XP-43ZL	2.0x	
	Focus	XP-44ML	Motorized zoom / focus, F=2.0, f= 6.27, 6.8 lbs. / 3.1 kg	
		XP-50ZL	Motorized zoom / focus, F=1.9 to 2.1, f= 49.7 to 99.8mm, 5.5 lbs. / 2.5 kg	
		XP-40ZL	Motorized zoom / focus, F=2.0 to 2.5, f= 13.3 to 18.6mm, 3.5lbs. / 1.6 kg	
		XP-41ZL	Motorized zoom / focus, F=1.7 to 2.0, f= 21.8 to 49.8mm, 3.7 lbs. / 1.7 kg	
		XP-43ZL	Motorized zoom / focus, F=2.2 to 2.6, f= 49.7 to 99.8mm, 3.7 lbs. / 1.7 kg	
	Shift		+50/-10% Vertical, +/-20% Horizontal	
	Shutter		Laser Shutter	
Keystone Correction			+/- 40° horizontal, +/-40° vertical	
Synchronization Range	Horizontal		Analog: 15-100kHz, Digital: 15-153kHz	
	Vertical		Analog: 48-120Hz, Digital: 24-120Hz	
Supported Video Standards			NTSC, NTSC4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM	
SD/HD Video Signal Compatibility			480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K	
PC Signal Compatibility			VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, Quad HD	
Macintosh Compatibility			Yes	
Input Terminals	RGB1 (digital)		HDMI (V2.0) w/HDCP (V1.4/2.2)	
	RGB2 (digital)		HDMI (V2.0) w/HDCP (V1.4/2.2)	
	RGB3 (digital)		HDBaseT w/HDCP (V1.4/2.2)	
Output Terminals	Monitor Out		HDBaseT w/HDCP (V1.4/2.2)	
	Audio Out		Stereo Mini Jack	
External Control			9-Pin D-Sub, Wired Remote, HDBaseT, RJ-45, USB (USB 2.0)	
Sync Compatibility			Separate Sync / Composite Sync / Sync on G	
Power Requirements			100-240V AC, 50/60 Hz	
Input Current			8.6A - 3.8A	10.5A - 4.6A
Power Consumption (ECO off/ECO Mode/Standby/ Standby-Power Saving)			635W / 515W / 0.8W / 0.22W	750W / 610W / 0.8W / 0.22W
Installation Orientation			Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Product Dimensions (WxDxH)			23.6 x 8.5 x 19.3 in. / 599 x 216 x 490 mm	
Net Weight			53.1 lbs. / 24.1 kg	
Shipping Dimensions (WxDxH)			28.9 x 14.1 x 24.8 in. / 735 x 359 x 631 mm	
Gross Weight			63.3 lbs. / 28.7 kg	
Fan Noise			30 dB normal / 28 dB eco	35 dB normal / 32 dB eco
Regulations	US		USA UL60950-1: 2005+A1: 2009+A2: 2013, IEC 60825-1:2014 (Ed.3), FCC Part15 Subpart B (ANSI C63.4.2014)	
	Canada		CAN/CSA C22.2 No.62368-1-18,3rd Edition, ICES-003 Issue 7 (ANSI C63.4-2014)	
Operating	Altitude		0 to 3650 m (12,000 ft)	
	Temperature		32-104°F / 0-40°C	
	Humidity		20 to 85% Humidity (Non-Condensing)	
Storage	Altitude		0-12,000m / 0-39,370 ft (above sea level)	
	Temperature		14-122°F / -10 50°C	
	Humidity		20% - 80% (non-condensing)	

* Lens does not ship with the projector. Additional accessories are available, including screens, carts, mount accessories and replacement cables.

Visit **www.sharp.ca** for details.

AMX   PJLink