EPSON
EXCEED YOUR VISION

Heralding the Next Level of Epson 3LCD Laser Projectors

EB-L25000U

4K Enhancement

LASER LIGHT SOURCE

3LCD

3X Brighter Colors with Epson Projectors*

No.1 WORLDWIDE PROJECTORS Since 2001
Source:Futuresource Consulting

More Beautiful

The world brightest 3LCD laser projector

The Epson developed laser optical engine and inorganic LCD panel have made it possible to achieve 25,000lm with a 3LCD projector.

Not just for large auditoriums and museums, but it can also be used for other applications like projection mapping and music concerts as well.
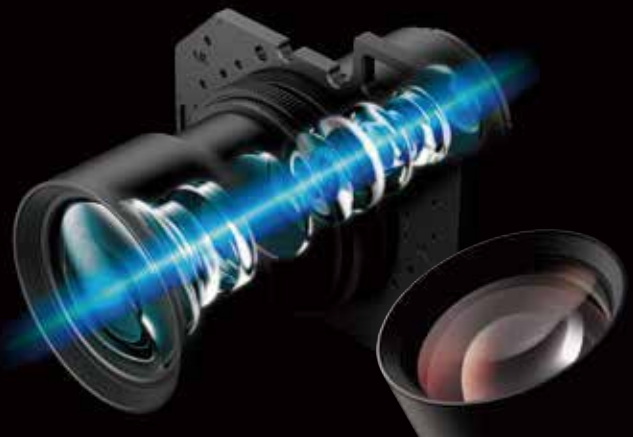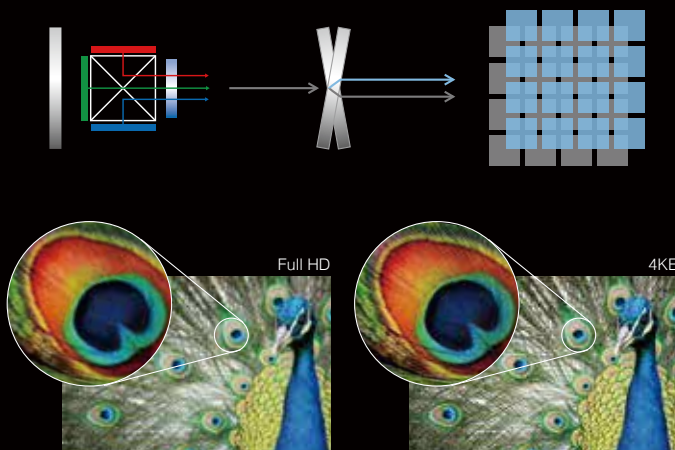
High-definition images with 4K Enhancement technology

Support for 4K combined with Epson's 4K Enhancement technology assist by shifting pixels diagonally by 0.5 pixels to double the resolution, delivering crisp, high-definition images.
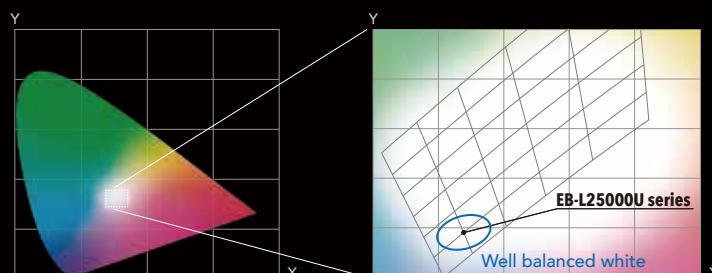
High-definition images with 4K quality lens

By completely rethinking the internal structure, we were able to keep color bleeding to an absolute minimum and achieve 4K resolution throughout the entire zoom range.

Full HD

4KE

Well-balanced whites

Laser light source produces nicely balanced RGB color for brilliant white highlights that bring a refreshing vibrancy to images.

EB-L25000U series

Well balanced white

Cleaner highlights

Laser projectors split white light into blue and yellow beams, then recombines them. Epson's advanced optical engine precisely adjusts the blue and yellow light to create appealing whites.

High contrast ratio

A more "lifelike" feeling of contrast was achieved through the use of Epson's inorganic LCD panel and laser optical engine.
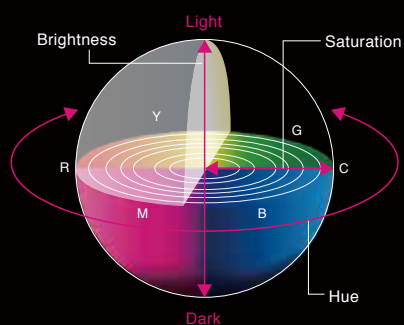
Absolute black

With laser technology it is possible to deliver complete black during full-black scenes by dimming the light source in real time according to the input video signal.

Advanced color adjustment

Adjust hue, saturation and brightness for each color in the RGB and CMY color models.

Super resolution with detail enhancement

In addition to "super resolution" technology's ability to improve perceived image resolution, Epson's own "detail enhancement" provides rich textures for further improvements in image quality. Choose the image characteristics you prefer depending on the scene or content.

Without Super-resolution technology
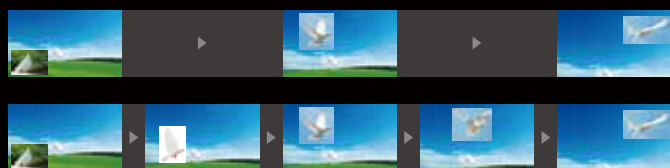
With Super-resolution technology

Frame interpolation

By analyzing frame-by-frame then generating intermediate frames, EB-L25000U delivers smooth video with less afterimages, even when projecting sports and other fast-moving content.

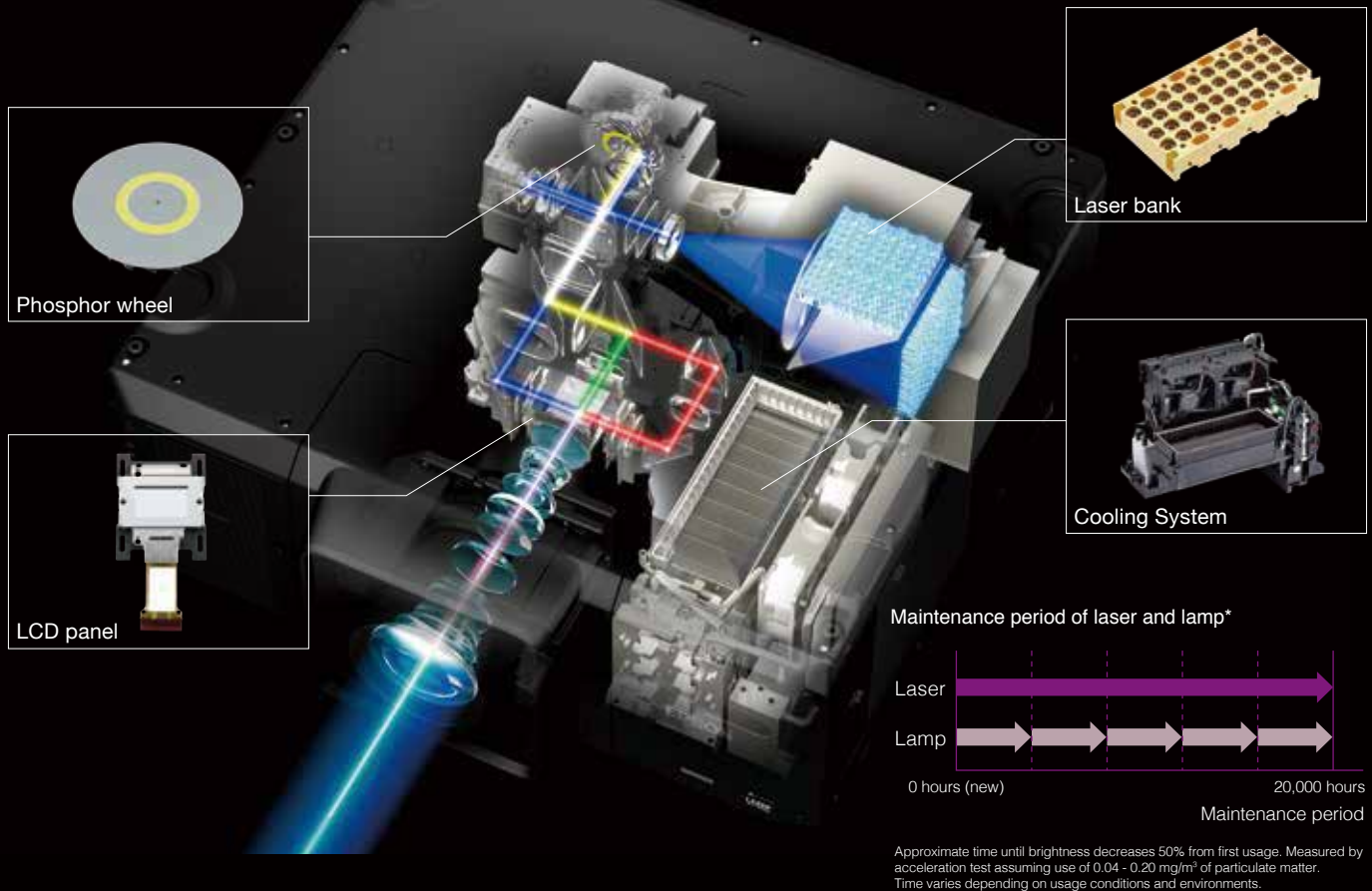*Simulated image of frame interpolation.
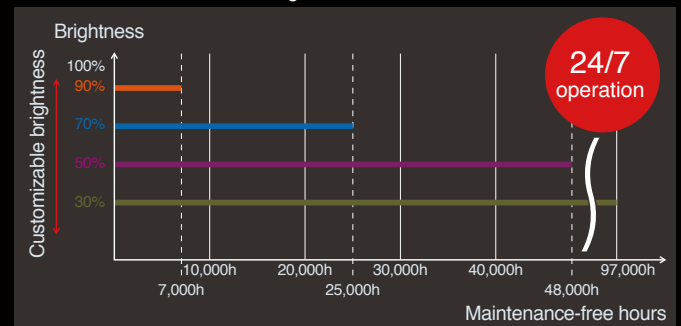
More Reliable

Minimal maintenance

A newly designed laser light source, sealed optical engine, inorganic LCD/Phosphor wheel deliver 20,000 hours of maintenance-free use. Additionally, the laser light source is highly reliable, eliminating worry of the light burning out during important presentations.

Phosphor wheel

Laser bank

LCD panel

Cooling System

Maintenance period of laser and lamp*

Laser

Lamp

0 hours (new)   20,000 hours

Maintenance period

Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environments.

Adjustable brightness

Maintaining a specific brightness over a prolonged period of time, depending on the application, offers increased flexibility. Venues such as an art museum can take advantage of this feature in situations where constant brightness is a must.

Custom mode with constant brightness

Brightness

Customizable brightness

100%
90%
70%
50%
30%

24/7 operation

10,000h   20,000h   30,000h   40,000h   97,000h
7,000h   25,000h   48,000h

Maintenance-free hours

Status monitor

The projector body is equipped with an LCD monitor which allows you to quickly check signal, voltage and network information.
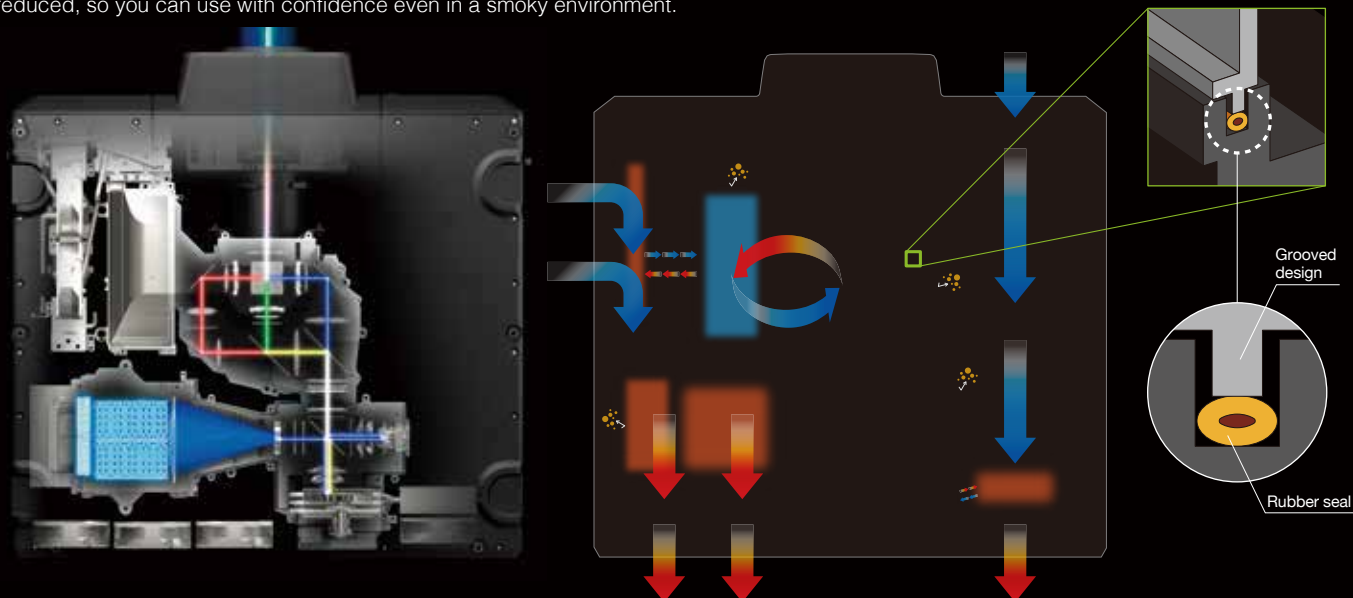
Power supply log

You can monitor and log times with drops in voltage. The ability to log up to 30 voltage drops can help to determine the cause of unexpected shutdowns.

Fully sealed optical engine

The key optical components including the inorganic panel, inorganic phosphor wheel, and the laser bank are housed in a sealed structure to prevent external dust contamination. Brightness deterioration due to dust can be significantly reduced, so you can use with confidence even in a smoky environment.

Grooved design

Rubber seal

Durable and Compact Body

The adoption of a pipe frame and baseplate structure have greatly improved the durability of the casing.
By redesign the internal structure, we achieved the compact and lightweight design for easy installation.
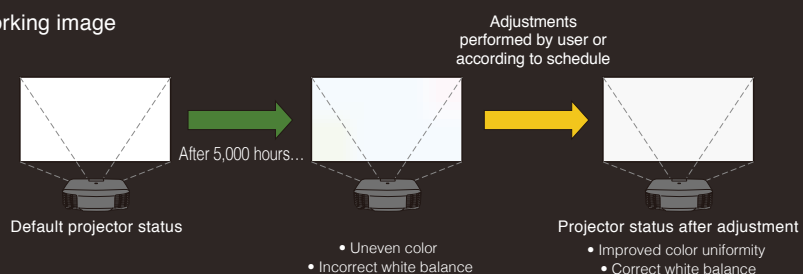
Auto color adjustment

The built-in camera detects screens that have become unevenly colored over time, allowing the projector to automatically correct color. It also detects subtle color inconsistencies between multiple projectors. This function can be set to check color manually or automatically at regular intervals to deliver stable image quality with minimal maintenance.
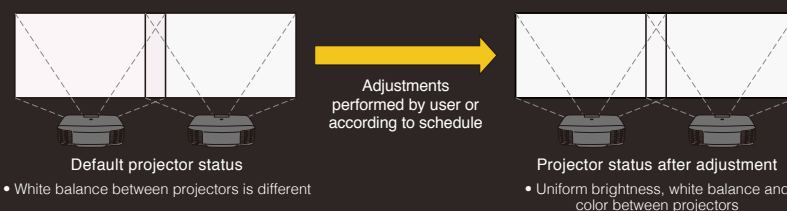
Built-in camera

Working image

Adjustments performed by user or according to schedule

After 5,000 hours...

Default projector status

• Uneven color
• Incorrect white balance

Projector status after adjustment

• Improved color uniformity
• Correct white balance

Working image when using multiple projectors

Adjustments performed by user or according to schedule

Default projector status

• White balance between projectors is different

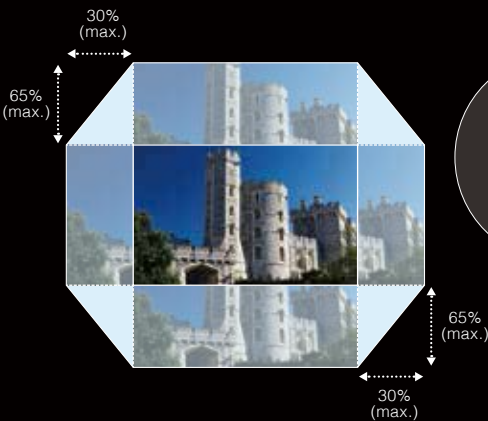Projector status after adjustment

• Uniform brightness, white balance and color between projectors
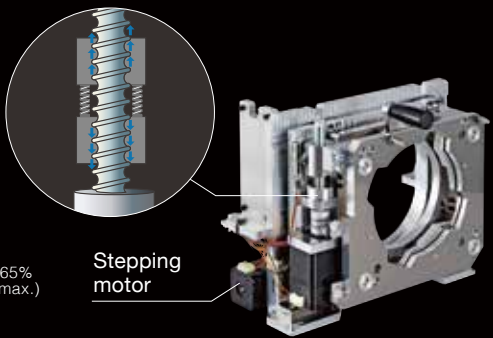
More Flexible

Powered lens
Lens position memory

Up to 10 settings can be stored in the projector memory, including shift positions, focus adjustments and projection sizes. This allows you to quickly adjust the projector, depending mainly on the aspect ratio of the content, by using either the remote controller or command control.
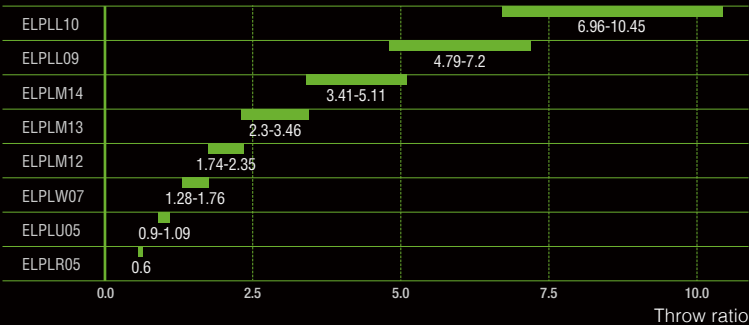
Wider lens shift range

The extremely wide-ranging lens shift was realized through a change in design and careful consideration of the lens and optical engine combination. Furthermore, the adoption of an improved stepping motor for the range shift mechanism allows for more precise adjustment.

30% (max.)

65% (max.)

65% (max.)

30% (max.)

Stepping motor

Wide-range of optical lenses

An extensive lineup of optional lenses is available for any venue or subject. All of the optional lenses are 4K compatible, allowing you to enjoy outstanding resolution regardless of your lens selection.

Lens	Throw ratio
ELPLL10	6.96-10.45
ELPLL09	4.79-7.2
ELPLM14	3.41-5.11
ELPLM13	2.3-3.46
ELPLM12	1.74-2.35
ELPLW07	1.28-1.76
ELPLU05	0.9-1.09
ELPLR05	0.6

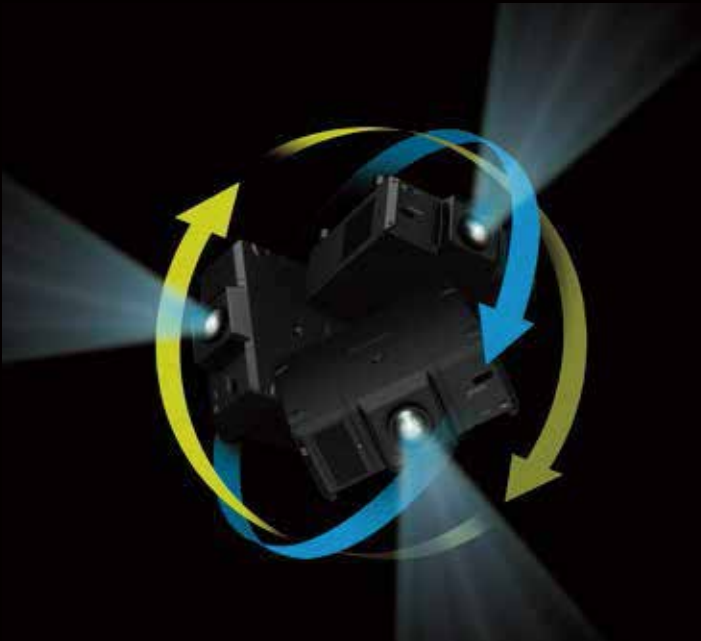0.0   2.5   5.0   7.5   10.0

Throw ratio

Multi-directional projection

EB-L25000U can be rotated 360° in any direction — horizontally, vertically and rotationally — without any loss in image brightness. This makes it ideal for a wide range of applications, such as projecting onto ceilings and floors.

Interface

A diverse range of input terminals is provided. 3G-SDI and HDBaseT for long-Distance transmission are also supported.
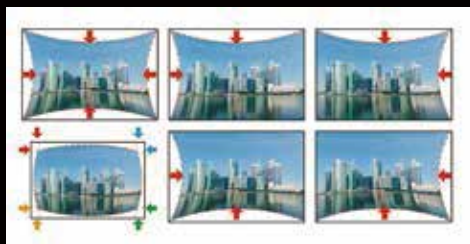
Borderless multi-projection

A variety of functions are available for multi-projector installations, letting you adjust brightness, color and the position of overlapping areas for seamless, beautiful displays.

Overlapping image edges

with
Edge blending

without
Edge blending

Blanking

Adjust the blanking width for oversized images, or mask noise at the edges of the screen, especially images from a videocassette recorder. All edges are adjustable.

Screen frame

Screen frame

Portion of image off-screen

Adjustable blanking area

Curved Surface and Corner Wall

Quickly and precisely correct vertical and/or horizontal distortion when projecting onto curved surfaces, and adjust the shape of images projected onto corners.

Curved surface

Corner surface

Auto-scaling

Simplify complicated scaling of images from multiple projectors. Just select the screen layout from the preset menu and the projector automatically sets slice area, scaling and edge-blend position.

Web control with smart device support

Use a computer web browser or smart device to adjust projector settings. The newly designed OSD Control Pad function allows control of the OSD menu and even shows a representation of the lens-condition on a smart device.

Split Screen

Project two different images from one projector, such as showing conference attendees on one side and documents on the other. WUXGA resolution ensures crisp, clean images of both, for presentations brimming with impact.

Carrying handle

Equipped with a convenient carrying handle. Used in combination with the optional carrying handle (ELPMB49) allows installation for portrait mode projection.
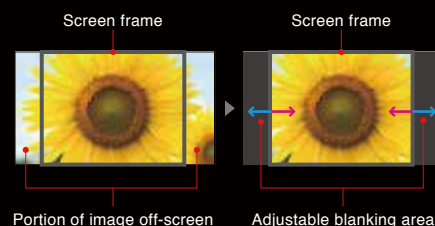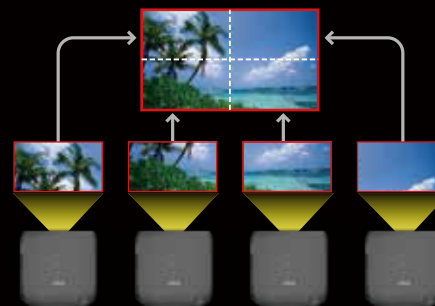
DMX-ArtNet

EB-L25000U supports DMX-ArtNet for synchronizing lighting effects (such as pre-programmed sequences) with audio. Features you can control include: power, shutter, switchgear, input source, lens drive (shift, focus and zoom) and lens memory settings.

Lower Power Consumption

The internal drive was optimized to achieve low power consumption.

Lower fan noise

Epson's own cooling system operates at an exceptionally quiet 49dB (41dB in Quiet Mode).

SPECIFICATIONS

EB-L25000U

Specification of Main Parts	LCD	Size	1.43-inch (D8, C² Fine)
		Pixel Number	2,304,000 dots (1920 x 1200) x 3
		Native Resolution	WUXGA (16:10)
	Projection Lens (Optional Accessories only)	Type	Power zoom / Power focus / Power shift /Power distortion (Rear Projection Wide Lens,Short Throw Zoom Lens1 only)
		F-Number/ Focal Length/ Zoom Ratio	1.9 - 2.1/ 54.7mm-73.0mm/ 1 - 1.35
	Light Source	Type	Laser Diode Bank
		LD Input Power	1,670 W
		Life (Normal/ Quiet/ Extended)	20,000 hours/ 20,000 hours/ 30,000 hours
	Optical System		Dichroic mirror separation & prism combine method
Screen Size (Projected Distance) (Middle Throw Zoom Lens1)			100" to 1,000" [3.68m to 37.92m] (Zoom: W)
			100" to 1,000" [4.99m to 51.03m] (Zoom: T)
			200" screen 7.48 m - 10.11 m
			Throw ratio: 1.74 (Zoom:W), 2.35 (Zoom:T)
Lens Shift Range (Middle Throw Zoom Lens1)			Vertical: -65% to +65% (H Center) (Powered)
			Horizontal: -30% to +30% (V Center) (Powered)
Light Output (Brightness) (Middle Throw Zoom Lens1)	Normal		25,000 lm
			(Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center)
Color Light Output (Color Brightness) (Middle Throw Zoom Lens1)			25,000 lm
			(Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center, Compliant with IDMS15.4)
Contrast	Dynamic Contrast: On		Over 2,500,000:1
			(Color mode : Dynamic, Light Source Mode:Normal , Zoom: Wide,
			Lens shift: V -50% or 50% / H Center, Light Optimizer: On)
Color Reproduction			Up to 1.07billion colors
Adjustment Function	Image	Color Mode	Dynamic/ Presentation/ Cinema/ sRGB/ DICOM SIM/ Multi-Projection
		Frame Interpolation	Off / Low / Normal / High (Only for 4K Enhancement off mode)
		Image Enhancement	4K Enhancement	Yes
			Image Preset Mode	Yes (Preset:1~5)
			Noise Reduction	Yes (Only for 4K Enhancement off mode)
			MPEG Noise Reduction	Off, Low, Normal, High (Only for 4K Enhancement off mode)
			Super-resolution	Yes (Fine Line Adjust, Soft Focus Detail)
			Detail Enhancement	Yes
Analog RGB I/O	Display Performance	Native	1920 x 1200 dots
	Input Terminal	Video	D-sub 15pin x 1, 5-BNC x1
	Output Terminal	Video	D-sub 15pin x 1 (Output signal : Computer, 5-BNC only)
HDMI	Display Performance	Native	1920 x 1200 dots (WUXGA)
	Input Terminal		HDMI x 1
Control I/O	Serial I/O	I/O Terminal	D-sub 9pin x 1
		I/O Signal	RS-232C
Network I/O	Wired LAN		RJ45 x 1 100Mbps, compliant with Art-Net
	USB I/O	I/O Terminal	Type A x1
		Supported Wireless LAN unit	Optional Accessories only, Quick Wireless Connection USB, Projector configuration data function
Wireless specification	Supported Speeds for each mode		IEEE 802.11b: 11 Mbps*
			IEEE 802.11g: 54 Mbps*
			IEEE 802.11n: 130 Mbps*
Operating Temperature			0 °C to 50 °C <32°F to 122 °F> (0m / 0ft to 1500m / 4921ft)
			0 °C to 45 °C <32°F to 104 °F> (over 1500m / 4921ft to 3048m / 10000ft)
			(20% - 80% humidity, No condensation)
			Thermal shut down
			55°C <131°F> (0m / 0ft to 1500m / 4921ft)
			50°C <122°F> (over 1500m / 4921ft to 3048m / 10000ft)^
Operating Altitude			0 m to 3,048 m(0 ft to 10,000 ft)
			(over 1,500 m / 4,921 ft :with High altitude mode)
Start-up Period			Less than 8 seconds (Warm-up period: 30 seconds)
Direct Power On			Yes (On/Off)
Instant Off			Yes (Enabled/Disabled)
Auto Power On			Off, Computer, BNC (Standby Mode: Communication On only)
Cool-down Period			Instant off or 0 second
Power Supply Voltage			200 - 240 V AC ±10%, 50/60 Hz
			Only for temporary setting, 100 - 120V usage is acceptable.
Power Consumption	200 - 240V	Laser On (Normal/ Extended)	2,390W/ 1,670W
		Standby (Communication On/ Off)	2.5W/ 0.39W
Dimension (not including foot, projection lens & handle)	Exclude Feet (W x H x D)		790 × 299 × 710 mm
Weight (not including lens and handle)			Approx. 65.6kg/144.6lb
Fan Noise	Light Source Mode: Normal,Extended,Custom		49 dB
	Light Source Mode: Quiet		41 dB

* Maximum speed and range is achievable when used with same enhanced mode technology.
 Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.
^When environmental temperature becomes high, the brightness becomes dark automatically.

PROJECTION DISTANCE OF EB-L25000U

16:10 Screen Size		ELPLR05		ELPLU05		ELPLW07		ELPLM12	
		Rear Projection Wide Lens		Short Throw Zoom Lens		Short Throw Zoom Lens		Middle Throw Zoom Lens	
		Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)
X (Screen size / dimension)		Y (cm / inch)		Y (cm / inch)		Y (cm / inch)		Y (cm / inch)	
100"/	215cm x 135cm 84.8" x 53.0"	125 / 49		191 / 75	232 / 91	272 / 107	375 / 147	368 / 145	500 / 197
200"/	431cm x 269cm 169.6" x 106.0"	260 / 102		389 / 153	472 / 186	554 / 218	760 / 299	749 / 295	1011 / 398
300"/	646cm x 404cm 254.4" x 159.0"	396 / 156		588 / 231	711 / 280	836 / 329	1145 / 451	1129 / 445	1523 / 599
500"/	1077cm x 673cm 424" x 265"	666 / 262		984 / 388	1190 / 468	1401 / 551	1915 / 754	1891 / 744	2546 / 1002
1000"/	2154cm x 1346cm 848" x 530"	1342 / 528		1977 / 778	2387 / 940	2812 / 1107	3840 / 1512	3794 / 1494	5103 / 2003

16:10 Screen Size		ELPLM13		ELPLM14		ELPLL09		ELPLL10	
		Middle Throw Zoom Lens		Middle Throw Zoom Lens		Long Throw Zoom Lens		Long Throw Zoom Lens	
		Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)	Shortest (Wide)	Longest (Tele)
X (Screen size / dimension)		Y (cm / inch)		Y (cm / inch)		Y (cm / inch)		Y (cm / inch)	
100"/	215cm x 135cm 84.8" x 53.0"	482 / 190	738 / 291	756 / 297	1123 / 442	1054 / 415	1574 / 619	1533 / 604	2284 / 899
200"/	431cm x 269cm 169.6" x 106.0"	981 / 386	1492 / 588	1470 / 579	2207 / 869	2064 / 812	3103 / 1222	2997 / 1180	4500 / 1772
300"/	646cm x 404cm 254.4" x 159.0"	1480 / 583	2247 / 884	2184 / 860	3291 / 1296	3037 / 1210	4633 / 1824	4460 / 1756	6716 / 2644
500"/	1077cm x 673cm 424" x 265"	2479 / 976	3755 / 1478	3613 / 1423	5458 / 2149	5093 / 2005	7693 / 3029	7386 / 2908	11147 / 4389
1000"/	2154cm x 1346cm 848" x 530"	4975 / 1959	7526 / 2963	7186 / 2829	10876 / 4284	10142 / 3993	15342 / 6040	14701 / 5788	22225 / 8750

Precautions when a Using Laser Device

This projector is a class 1 laser product that complies with the IEC60825-1:2014 international standard on lasers. If they are not handled correctly, injuries could occur. Note the following points.

⚠ Warning

- If an error occurs in the projector, turn off the power immediately, unplug the projector from the outlet, and contact your local dealer or the nearest Epson repair center. Continuing to use it in an error condition may result in an electric shock, fire, or visual impairment.
- Never attempt to disassemble or modify the projector. The projector contains a high-power laser component. This could cause serious injury.
- Do not look into the lens during projection. Also, do not look into the lens using optical devices (such as a magnifying glass or telescope). This could cause visual impairment.
- When turning on the projector at a distance using the remote control, make sure there is no one looking into the lens.
- Do not allow small children to make operations. If children do make operations, they must be accompanied by an adult.
- Do not apply optical devices, such as a magnifying glass or reflector, to the projected image. Continuing to use it in this condition may result in physical harm. It could also cause a fire or an accident.
- Before starting projection, check that there is nothing in the surrounding area that could reflect the projected image.
- When disposing of the projector, do not disassemble it. Dispose in accordance with your local or national laws and regulations.
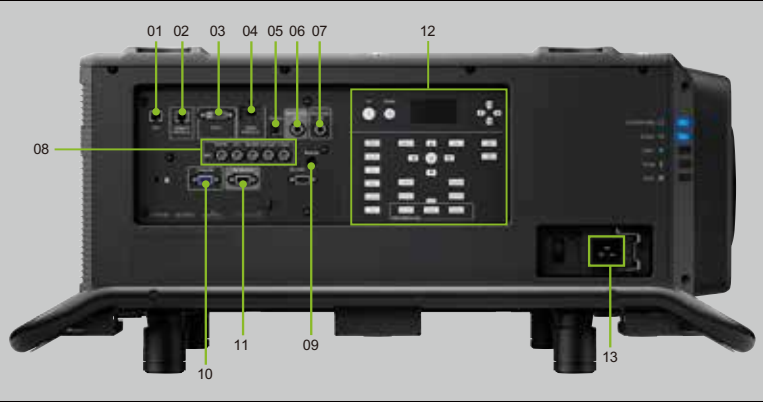
SUPPLIED ACCESSORIES

Power Cable	3m
Remoted Control with alkaline batteries	AA type x 2
HDMI Cable Clamp	1

OPTIONAL LENS

ELPLR05	Rear Projection Wide Lens
ELPLU05	Short Throw Zoom Lens
ELPLW07	Short Throw Zoom Lens
ELPLM12	Middle Throw Zoom Lens
ELPLM13	Middle Throw Zoom Lens
ELPLM14	Middle Throw Zoom Lens
ELPLL09	Long Throw Zoom Lens
ELPLL10	Long Throw Zoom Lens

OPTIONAL ACCESSORIES

ELPAF52	Air Filter
ELPAP10	Wireless LAN unit
ELPKC28	Remote Control Cable Set (10m x 2)
ELPHD01	HDBaseT Transmitter
ELPMB49	Handle

EPSON+ COVERPLUS Extended Warranty

2 Year Onsite Warranty Service to be provided for local purchase only.

The warranty service can be extended by purchasing Epson Coverplus Extended Warranty. For more information, please contact Epson customer support.

For Standard warranty terms & conditions, please refer to https://www3.epson.com.hk/eservice/tcs.html

01	LAN	02	HDBaseT with HDCP2.2	03	DVI-D
04	HDMI with HDCP2.2	05	Service Port		
06	Monitor Out SDI	07	3G/HD/SD/SDI	08	5BNC
09	Wired Remote Jack	10	Computer (D-SUB15)		
11	Monitor Out	12	Control Panel	13	Power Inlet

Bold, Bright, Beautiful...3LCD Technology

3LCD technology achieves bright, natural images and smooth, sharp video playback. No color break-up makes images gentle on the eyes.

Optical unit with high light-use efficiency

EPSON

EXCEED YOUR VISION