

# HIGH BRIGHTNESS BUSINESS PROJECTOR EB- L25000U

**EPSON**  
EXCEED YOUR VISION

**SPELLBINDING PROJECTIONS AS TRUE  
TO LIFE AS NATURE'S GREATEST SHOW.**



Presenting the world's first-ever<sup>1</sup> 25,000-lumen 3LCD projector with 4K quality lens. The Epson EB-L25000U delivers spectacular image quality with outstanding levels of colour brightness, perfect for outdoor and large venues. Extremely reliable with superior heat resistance and 20,000 hours of maintenance-free use<sup>2</sup>. Immensely flexible with 360° rotation, adjustable tilt and large variety of lenses to suit any venue or application. Get ready to shine!

<sup>1</sup> As at Aug 2016

<sup>2</sup> Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage conditions and environments.



**ENGINEERED FOR BUSINESS**



# Brightest Show

Breathtaking projections of the most spectacular colours.

Next Level Quality



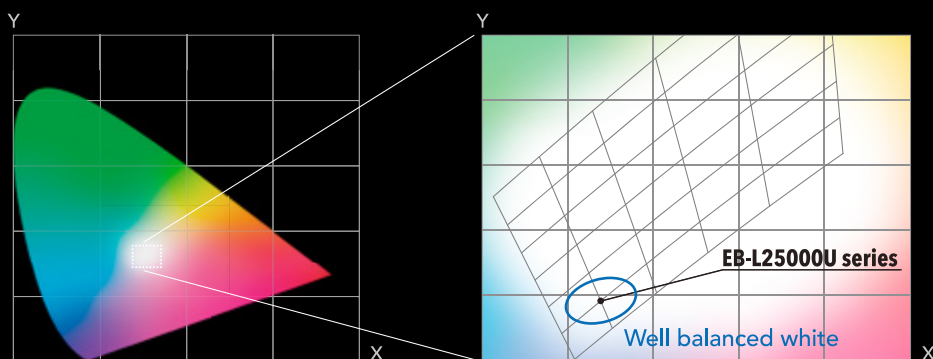
## WUXGA – Beyond Full HD Resolution

With WUXGA resolution (1,920 x 1,200 pixels), you enjoy a sharp, clear display of Full HD video (1,920 x 1,080 pixels) images down to the smallest details even on large-screen projections for an incredible dynamic viewing experience.



## Well-balanced Whites

The laser light source produces nicely balanced RGB colour for brilliant white highlights that bring a refreshing vibrancy to your images.



## Cleaner Highlights

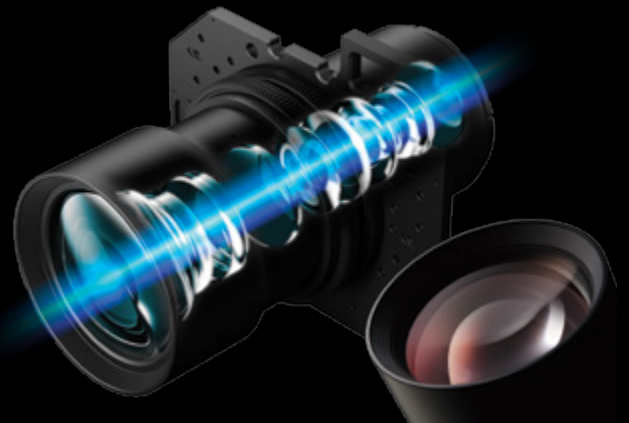
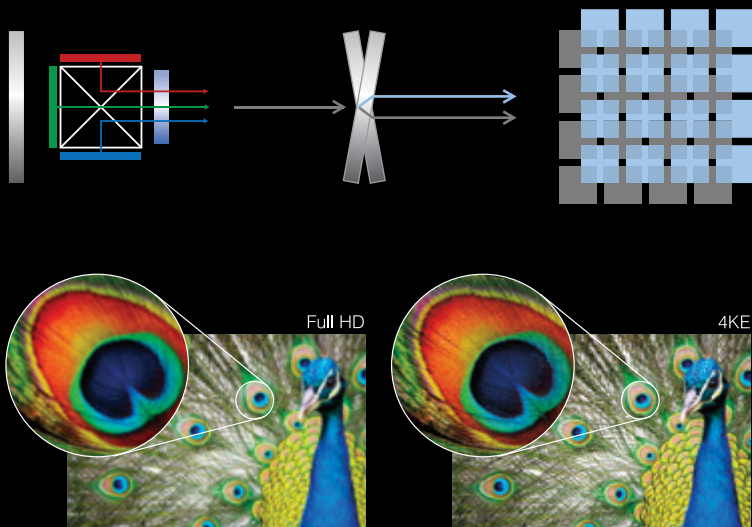
Epson's advanced optical engine splits white light into blue and yellow beams and precisely adjusts and recombines them to create appealing whites.



## High-definition Images with 4K Lens and Enhancement Technology

4K enhancement technology shifts each pixel diagonally by 0.5 pixels to double the resolution to 3840 x 2160, surpassing full HD image quality to give you unbelievable sharpness, clarity and detail on all your presentations.

By reengineering the internal structure, colour bleeding is kept to an absolute minimum to deliver 4K resolution throughout the entire zoom range.



## High Contrast Ratio

Enjoy richer contrast with Epson's newly-developed laser optical engine system. And combined together with the vibrant and realistic colours from the 3LCD panels, you enjoy more lifelike projections.





# Brightest Show

Breathtaking projections of the most spectacular colours.

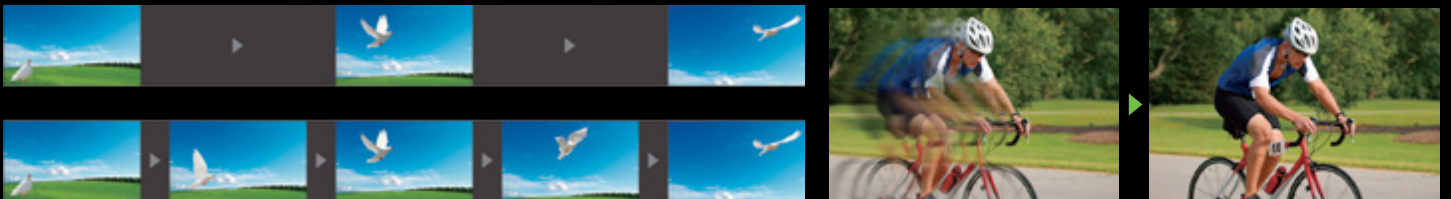
## Absolute Black

Laser technology dims the light source in real time according to the input video signal to deliver absolute black during full-black screens.



## Frame Interpolation

Enjoy clearer, sharper playback even on fast-moving subjects with Epson's Frame Interpolation Technology. This unique function effectively eliminates motion blurring by inserting intermediate frames between images to create smoother motion transition.



## Super Resolution with Detail Enhancement

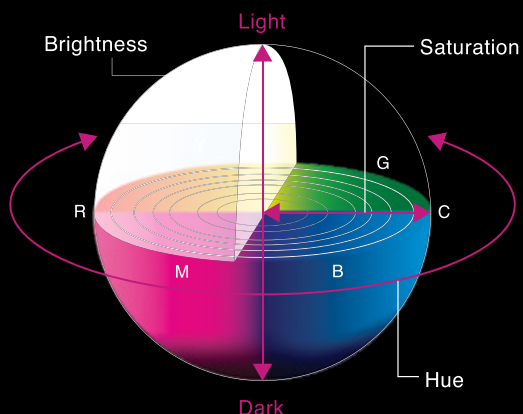
Improve perceived image resolution with the "super resolution" technology. And with Epson's "detail enhancement", you enjoy rich textures for further enhancement in image quality, allowing you to select your preferred image characteristics for different scenes and content.





## Advanced Colour Adjustment

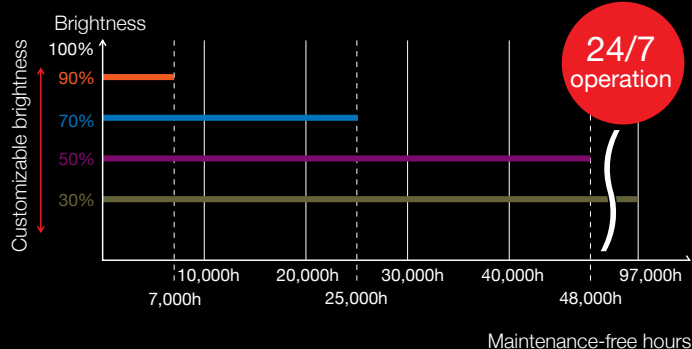
With the colour adjustment function, you can easily adjust the hue, saturation and brightness for each component of RGBCMY to match your preferences.



## Fine-tuning Brightness

The EB-L25000U provides precise brightness adjustment in increments of 1%. This combined with the Constant Brightness mode maintains brightness at a given value to match the venue or subject to deliver astonishing picture quality.

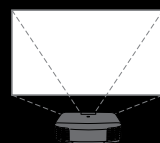
Custom mode with constant brightness



## Auto Colour Adjustment

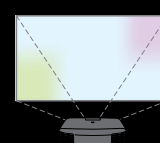
The built-in camera detects screens that have become unevenly coloured over time, allowing the projector to automatically correct colour. It also detects subtle colour inconsistencies between multiple projectors. This function can be programmed to check colour manually or automatically at regular intervals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

Working image



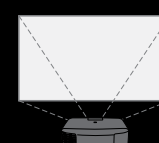
Default projector status

After 5,000 hours...



- Uneven colour
- Incorrect white balance

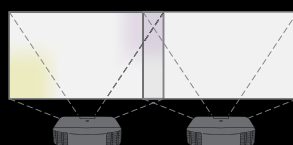
Adjustments performed by user or according to schedule



Projector status after adjustment

- Improved colour uniformity
- Correct white balance

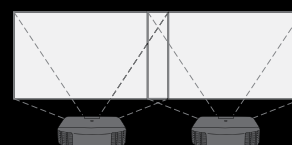
Working image when using multiple projectors



Default projector status  
White balance between projectors is different



Adjustments performed by user or according to schedule



Projector status after adjustment  
Uniform brightness, white balance and colour between projectors



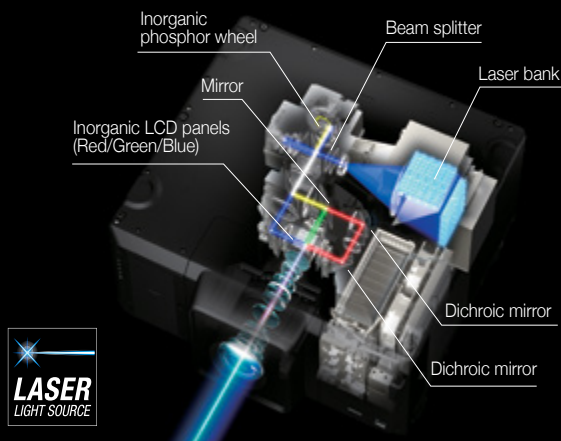
Built-in camera

# Reliable Performance

Long-lasting projections that go on and on.

## Revolutionary Laser Light Source







Blue light from the laser is projected through a beam splitter, which divides the light into two beams. One beam passes through a phosphor wheel, turning it yellow, while the other beam remains blue. The two beams are then recombined into white light and separated into red, green and blue through dichroic mirrors. Each of the three colours passes through LCD panels, producing three individual images, which are transmitted through a prism and combined into the final full-colour image.



## Inorganic LCD Panels and Phosphor Wheel for Outstanding Reliability

Made of inorganic material, Epson's newly developed phosphor wheel offers superior light and heat resistance to deliver excellent reliability. By combining this with our inorganic LCD panels, we create laser projectors that project bright, vibrant images for extremely long periods.

### Organic vs. Inorganic

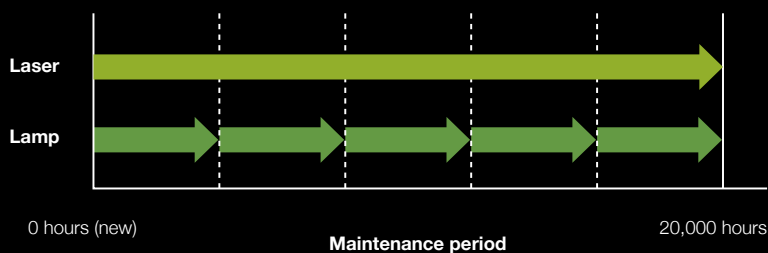
	Inorganic (Glass, iron, aluminum, etc.)	Organic (Paper, wood, plastic, etc.)
 Light-resistance	<b>YES</b> 	<b>NO</b> 
 Heat-resistance	<b>YES</b> 	<b>NO</b> 

Unlike organic substances, inorganic substances do not contain carbon.

## 20,000 Hours of Maintenance-free Use

Engineered with inorganic LCD panels and an inorganic phosphor wheel, this newly designed laser light source delivers 20,000 hours\* of maintenance-free use. And with the advanced electrostatic filter having an equally long-lasting life, you enjoy peace of mind in using this highly reliable laser projector.

Maintenance period of laser and lamp



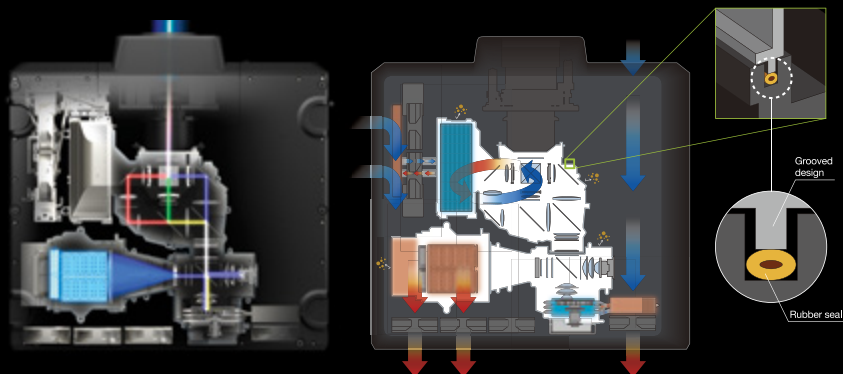
\* Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage conditions and environments.





## Fully Sealed Optical Engine

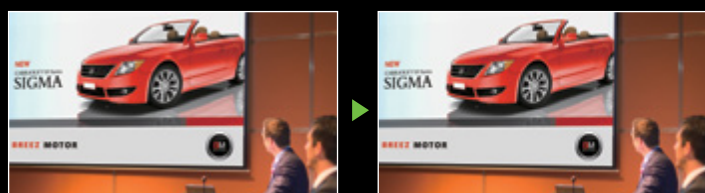
Key optical components including the inorganic panel, inorganic phosphor wheel and laser bank are housed in a sealed structure to prevent external dust contamination. This means brightness deterioration due to dust is significantly reduced so you can use your projector with confidence even in a smoky environment.



## Worry-free Projection

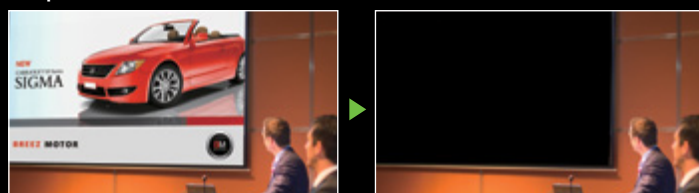
With multiple laser diodes to rely on, the screen won't go black even if one diode goes out. This eliminates the worry of the projector light burning out during mission-critical presentations.

### Laser



The projector keeps working even when one light diode goes out.

### Lamp



The screen goes black when the lamp burns out.

## Durable and Compact Body

By redesigning the internal structure and adopting a pipe frame and baseplate structure, the durability of the casing is greatly improved to deliver a compact, lightweight design for easy installation.



## Status Monitor

The projector body is equipped with an LCD monitor, allowing you to quickly check signal, voltage and network information.



## Power Supply Log

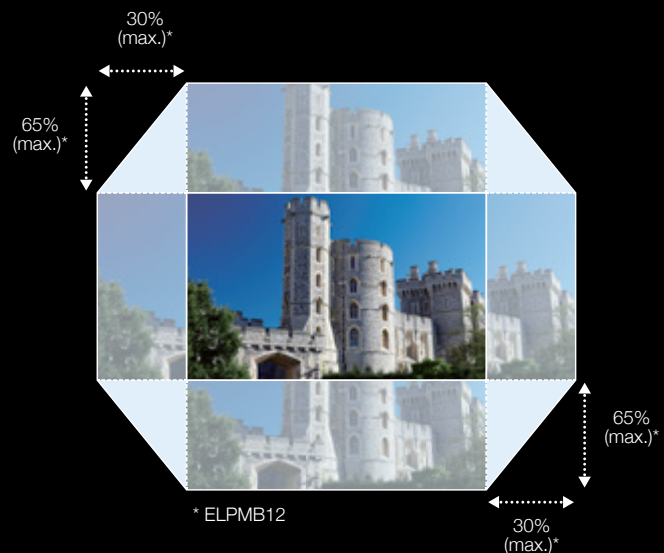
Monitor and log up to 30 drops in voltage for a detailed record and prevent unexpected shutdowns.

# Shine Everywhere

Limitless placement possibilities at any venue for spectacular projections that wow.

## Powered Lens with Stepping Motor

The powered lens with stepping motor offers limitless possibilities in projector placement. Covering a wide range of angles, the motorised lens shift gives you a great deal of flexibility when installing the projector. The newly adopted stepping motor lets you make highly precise adjustments when employing edge blending, stacking and other techniques. Adjustments can also be made via remote control or over a network, enhancing usability even for ceiling-mounted projectors.

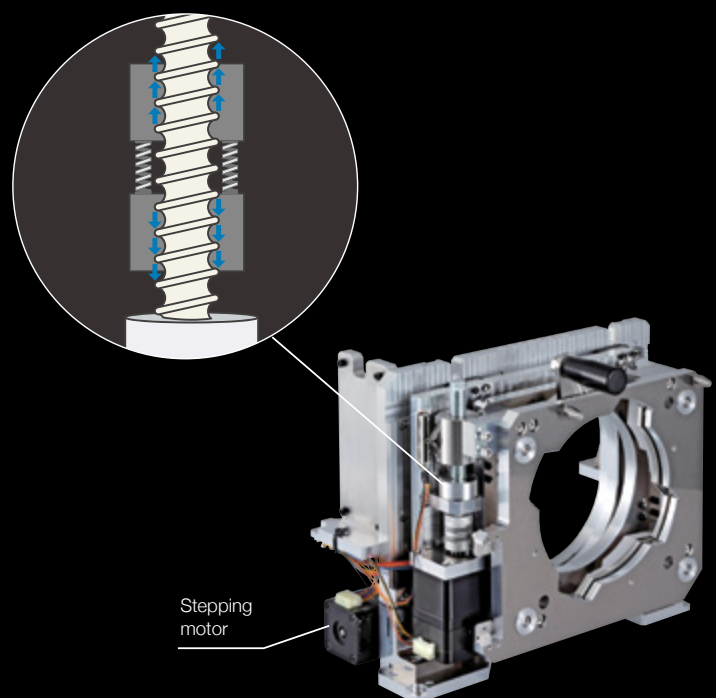


## Lens Position Memory

With storage for up to 10 settings in the projector memory, including shift positions, focus and projection sizes, you can easily and quickly adjust the projector according to the aspect ratio of content simply by using either the remote controller or command control.

## Wider Lens Shift Range

The extremely wide-ranging lens shift was realised through a change in design and careful consideration of the lens and optical engine. Coupled with an improved stepping motor, the range shift mechanism allows more precise adjustment for limitless possibilities in projector placement.







## Extensive Lens Options

The Epson EB-L25000U offers an extensive line-up of optional lenses to fit any venue or subject. And with 4K compatibility on all our lenses, you enjoy outstanding resolution regardless of your lens selection.

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

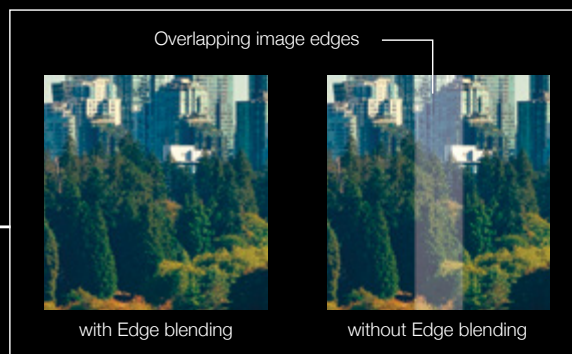
## Multi-directional Projection

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



## Borderless Multi-projection

With a variety of functions available for multi-projector installations, you can adjust the brightness, colour and position of overlapping areas for seamless, beautiful displays.



# Shine Everywhere

Eye-catching, seamless, unified projections even on non-flat surfaces.

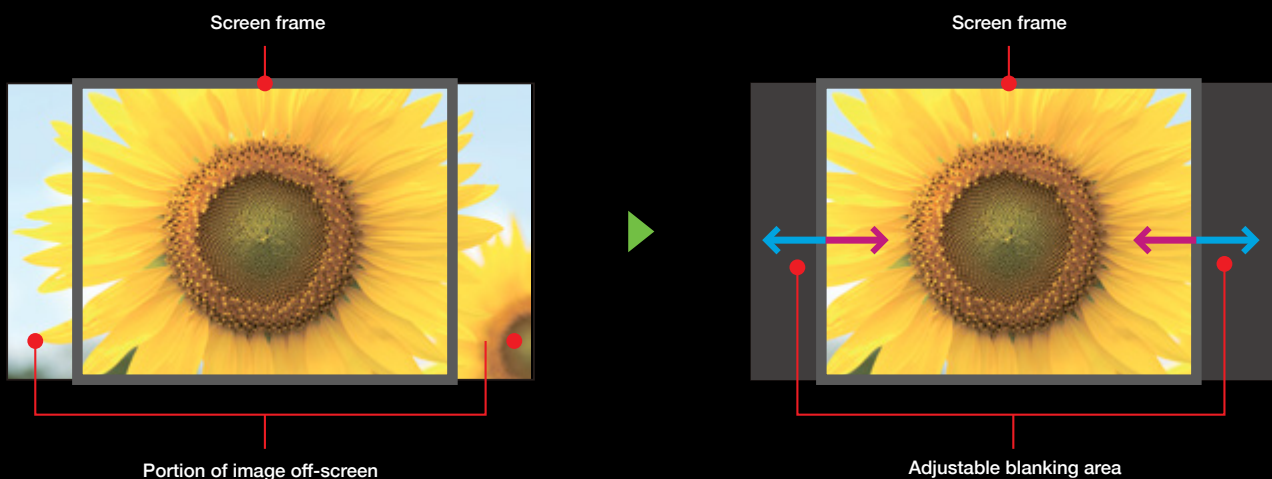
## Projection on Wide Curved and Corner Spaces

Fit your projection images nicely even on non-flat surfaces. Create stunning projection images on wide curved surfaces and corner walls, ideal for advertisements and marketing promotions.



## Blanking

With full adjustability on all edges, you can easily adjust the blanking width for oversized images or mask noise at the edges of the screen, even for images from a videocassette recorder.

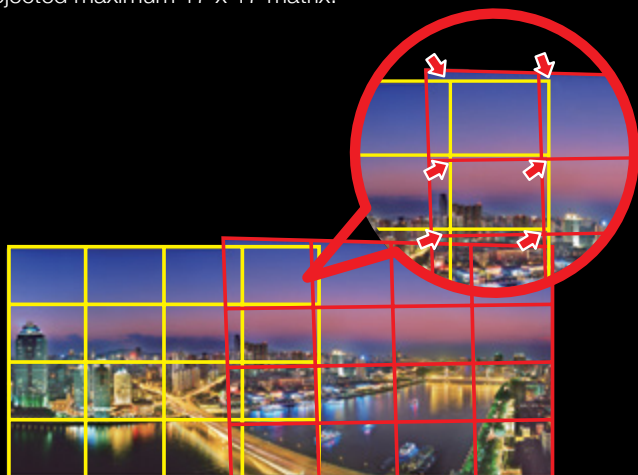






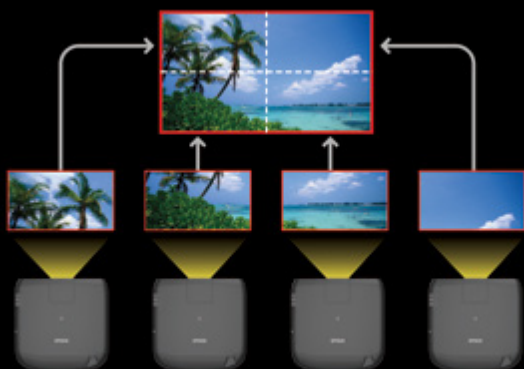
## Point Correction

Easily correct single-projector distortion or multi-projector misalignment directly on the screen. Quickly fine-tune the images by adjusting point by point from right to left, top to bottom, using a projected maximum 17 x 17 matrix.



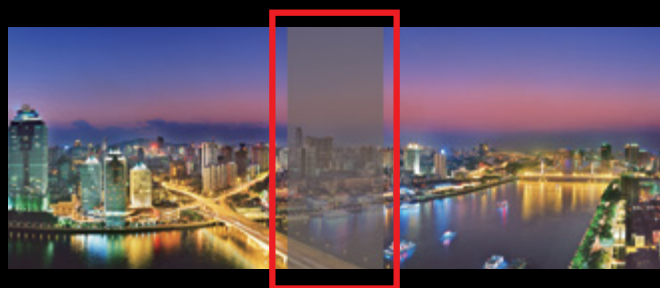
## Auto-scaling

Say goodbye to the complicated scaling of images from multiple projectors. With auto-scaling, simply select the screen layout from the pre-set menu and your projector will automatically set the slice area, scaling and edge-blend position for seamless projections.



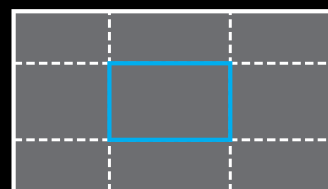
## Black Level

Experience uniform black levels in overlapping areas of images even when using multiple projectors.



## Advanced Edge Blending

Precisely adjust edge blending to combine multiple edges for a seamless, unified look. This function allows you to fine-tune the start position and edge width of the blend as well as the area of the black level in the blend. It also prevents the main subject from being overlapped. As a tip, you can reduce the size of the overlapping areas to decrease the time it takes to combine multiple images.



# Shine Everywhere

Easily control and broadcast to multiple screens for dynamic and impressive presentations.

## Split Screen

Project two different images from a single projector for a more effective presentation. In video conferences, for example, images of presentation materials and remote participants can be shown simultaneously. What's more with WUXGA resolution, you'll enjoy crisp, clear images for presentations that are brimming with impact.



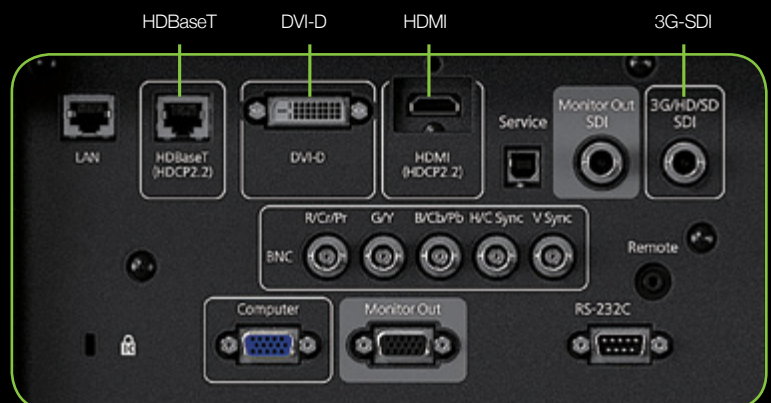
## Web Control with Smart Device Support

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



## Extended Connectivity

Equipped with a diverse range of input terminals, the Epson LB-L25000U supports a host of transmission outputs including 3G-SDI and HDBaseT for long-distance transmissions.



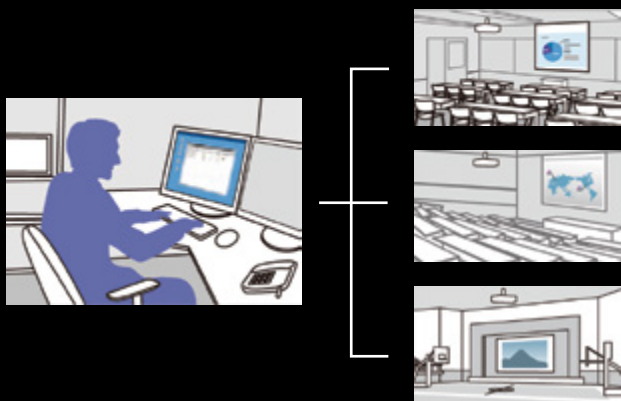




## Easy MP Monitor and Message Broadcasting

With Epson's network monitoring and control software, you can see from a single PC which projectors are available and whether they are running efficiently – even across the biggest networks. Configure your projectors and access their serial numbers remotely and receive instant email alerts for pre-defined critical indicators such as non-functioning devices or overheating lamps.

You can also send messages or announcements as JPEG files simultaneously to any number of projectors on a network. This makes the EB-L25000U projector very useful for immediate communication needs or even emergencies.



## DMX-ArtNet

The EB-L25000U supports DMX-ArtNet for synchronising 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.



## Eco Features

- Uses just 0.5W of power in standby mode
- Projector optics employ lead-free lenses
- Unpainted plastic housing reduces the environment impact
- The flame retardants used in the plastic housing do not contain chlorine or bromine

## Better Products for a Better Future™

For more information on Epson's environmental programmes, visit <http://global.epson.com/SR/environment>.

## PARTNERS IN PERFECTION

### Desktop Document Camera ELPDC21



2.6kg/6.6 lbs  
1080p output resolution  
2 megapixels with 30 fps  
12 x optical zoom  
HDMI digital connectivity

### HDBaseT Transmitter ELPHD01



HDMI Input  
RS232C for control  
LAN for Ethernet  
Allows Full HD uncompressed signal transmission up to 100 meters

### WORKFORCE WF-6091 Printer



Print speeds of up to 34pp/minute  
5760dpi resolution  
Connectivity via Wi-Fi, Wi-Fi Direct  
Ethernet and Epson Connect

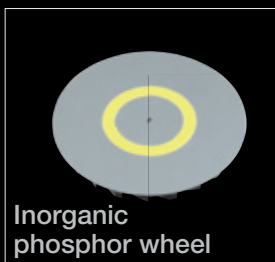
# EPSON REVOLUTIONISES PROJECTOR MARKET WITH 3LCD TECHNOLOGY AND LEADS AS WORLD'S NO.1\* PROJECTOR BRAND FOR 15 CONSECUTIVE YEARS!

\* Based on independent research by Futuresource Consulting

## The world brightest 3LCD laser projector

At 25,000lm, Epson has developed the brightest 3LCD laser projector in the world. A laser beam was used to achieve the high 25,000lm brightness level, the inorganic panel and phosphor wheel help to realise its high reliability and a new cooling system was employed to efficiently cool the heat source – all of which assist in the projection of bright and beautiful images for years to come.

As of April, 2011, for L25000 series only



**Inorganic phosphor wheel**

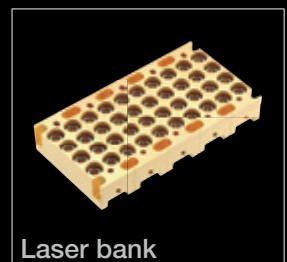
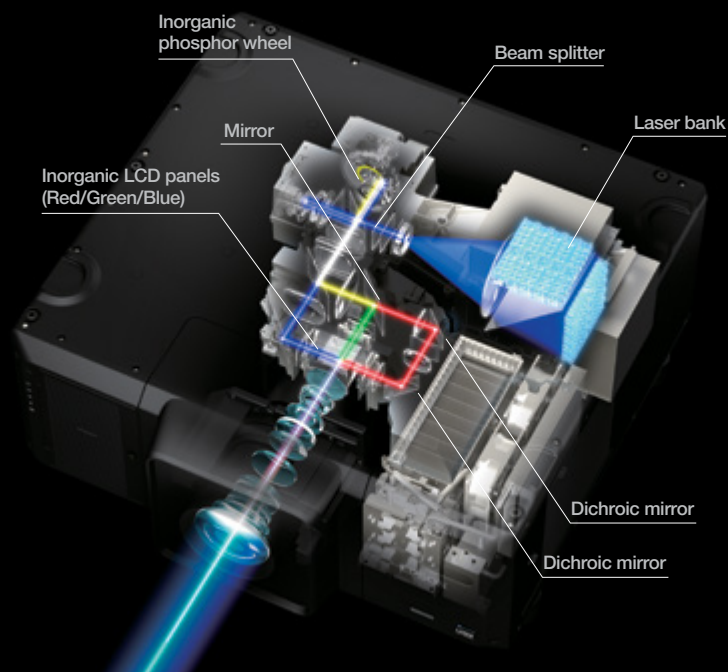
The device used to change blue laser light into yellow light. The adoption of an inorganic phosphor wheel has made it durable enough to withstand the high output of a laser light source.



**Inorganic LCD panels (Red/Green/Blue)**

Newly developed, large 1.43inch panel. The adoption of an inorganic panel enhances light resistance and helps realise an even longer life.

First, blue light from the laser is projected through a beam splitter, which divides the light into two beams: One beam is reflected by a phosphor wheel, where it is changed into yellow, while the other beam remains blue. The two beams are then recombined into white light.



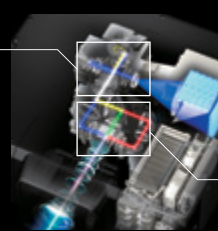
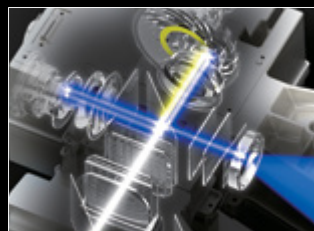
**Laser bank**

High-powered laser diodes enable to achieve the outstanding brightness-25,000lm.



**Cooling System**

A combination of liquid and air cooling was employed to achieve a cooling system efficient enough for the brightest 25,000lm 3LCD projector.



It is separated into red, green and blue through dichroic mirrors. After this, each of the three colours pass through LCD panels, producing three individual images. Lastly, these three images are transmitted through a prism and combined into the final full-colour image.





**COLOUR  
BRIGHTNESS**  
*Know your projector lumens*

# SEE VIBRANT, REALISTIC COLOURS WITH HIGH COLOUR BRIGHTNESS.



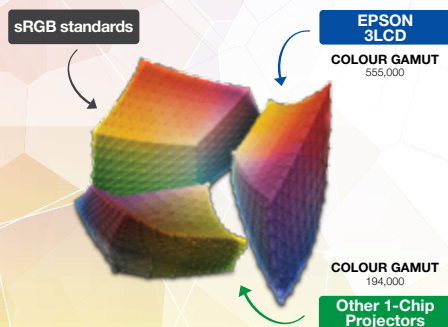
\*Based on a third-party study made by Radius Global Market Research of nearly 900 participants in the US

See colours like never before. Epson 3LCD projectors deliver brilliant colours that match its white brightness to give you balanced, realistic, and vibrant images. It's no wonder Epson projectors are the people's preferred choice.



## Up to 3X Wider Colour Gamut

Colour gamut refers to the range of colours that can be reproduced by a display device – the wider the gamut, the more realistic it is. Epson 3LCD projectors project three times wider gamut that matches closely to the original standard of a display device (sRGB), as compared to 1-chip projectors.

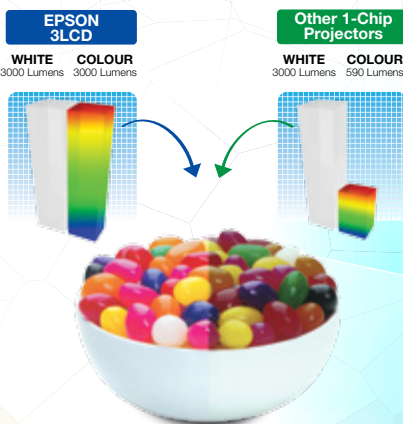


Comparing the yellow corners among the three gamuts, 1-chip projectors have a distinctly darker and smaller set of colours which are not as vibrant as Epson 3LCD projectors.



## Up to 3X Brighter Colours

Epson 3LCD projectors deliver up to three times the colour brightness, effortlessly creating the same colour and white brightness, resulting in faithful images with superior colour balance.



## No Rainbow Effect

With 1-chip projectors, the spinning motion of the sequential colour wheels tend to cause colours to break out into distinct red, green and blue. Called the rainbow effect, this may cause users to suffer headaches with prolonged viewing. Epson projectors do not give out this effect, giving users a comfortable experience.



\*Compared against similarly-priced leading 1-chip DLP® business and education projectors based on NPD data from July 2011 through June 2012 (available from [www.npd.com](http://www.npd.com)). Colour brightness (colour light output) measured in accordance with IDMS 15.4. Actual colour brightness will vary depending on actual usage conditions. 3LCD® is a registered trademark of Seiko Epson Corporation. DLP® is a registered trademark of Texas Instruments, Inc. and its use here does not imply any affiliation with or endorsement by them.



[www.epson.com.sg/colourbrightness](http://www.epson.com.sg/colourbrightness)

To learn more about 3LCD engines, visit  
[www.3lcd.com](http://www.3lcd.com)

## SPECIFICATIONS

### EB-L25000U

**EPSON**  
EXCEED YOUR VISION

<b>MODEL NUMBER</b>		<b>EB-L25000U</b>
<b>Projection Technology</b>		RGB liquid crystal shutter projection system (3LCD)
<b>Specifications of Main Parts</b>		
LCD	Size	1.43" (D8, C <sup>2</sup> Fine)
	Native Resolution	WUXGA (1920 x 1200)
<b>Projection Lens</b>		
Type	Power Zoom / Power Focus / Power Shift / Power Distortion	
F-Number	1.9 - 2.1	
Focal Length	54.7 - 73.0 mm	
Zoom Ratio	1 - 1.35	
Throw Ratio	1.74 - 2.35 (Wide - Tele)	
Lens Exchange	Yes	
Lens Shift	Mode	Powered
	Vertical (Up/Down)	±65%
	Horizontal (Left/Right)	±30%
Laser	Type	Laser Diode Bank
	Life (Normal / Eco)	20,000 / 30,000 hours
<b>Screen Size (Projected Distance)</b>		
Zoom: Wide	100" - 1,000" [3.68 - 37.92 m]	
Zoom: Tele	100" - 1,000" [4.99 - 51.03 m]	
<b>Brightness<sup>1</sup></b>		
White Light Output (Normal / Eco)	25,000lm / 17,500lm	
Colour Light Output	25,000lm	
<b>Contrast Ratio</b>		
2,500,000		
<b>Geometric Correction</b>		
Vertical / Horizontal Keystone	±45° / ±30° (Zoom: Tele with ELPLM12 middle throw lens)	
Quick Corner	Yes	
Curve Surface	Yes (Except when in 4K Enhancement mode)	
Point Correction	Yes (Except when in 4K Enhancement mode)	
Corner Wall	Yes (Except when in 4K Enhancement mode)	
<b>Connectivity</b>		
Analog Input	D-Sub 15Pin	1 (Blue)
	5BNC	1
Digital Input	DVI-D	1 (Single Link, HDCP 1.4)
	HDMI	1 (with HDCP 2.2)
	SDI	1 (SD-SDI, HD-SDI, 3G-SDI)
	HDBaseT (RX)	1 (RJ-45)
Analog Output	D-Sub 15Pin	1
Digital Output	SDI	1 (SD-SDI, HD-SDI, 3G-SDI)
Others	USB Type A	1 (Optional Wireless LAN, Firmware Update, Copying OSD Settings)
	USB Type B	1 (Firmware Update and Copying OSD Settings)
Control I/O	RS-232C	1
	Remote Control Input	1
	LAN (RJ-45)	1
Network	Wired LAN	RJ-45 x 1 [Compliant with Control I/O (Art-Net)]
	Wireless	Optional (ELPAP10)
<b>Wireless Specification</b>		
Supported Speed For Each Mode	IEEE 802.11b: 11Mbps <sup>2</sup> IEEE 802.11g: 54Mbps <sup>2</sup> IEEE 802.11n: 130Mbps <sup>2</sup>	
Wireless LAN Security	WPA-PSK (TKIP/AES) / WPA2-PSK (TKIP/AES)	
<b>Operating Temperature</b>		
	0 - 50 °C <32 - 122 °F> (Below 1,500m / 4,921ft) 0 - 45 °C <32 - 104 °F> [Above 1,500m / 4,921ft - 3,048m / 10,000ft (with high altitude mode)]	
<b>Operating Altitude</b>		
	0 - 3,048 m <0 - 10,000 ft> (Over 1,500m / 4,921ft : with high altitude mode)	
<b>Direct Power On / Off</b>		
	Yes	
<b>Start-Up Period</b>		
	Less than 8 seconds, Warm-up period: 30 seconds	
<b>Cool Down Period</b>		
	Instant Off	
<b>Air Filter</b>	Type	High Efficiency Filter (with Smoke Filter function)
	Maintenance Cycle	20,000 hours <sup>3</sup>
<b>Power Supply Voltage</b>		
<b>Power Consumption (220 - 240V)</b>		
Lamp On (Normal / Eco)	2390W / 1670W	
Standby (Network On / Off)	3.0W / 0.5W	
<b>Dimension Excluding Feet (D X W X H)</b>		
	710 x 790 x 299 mm	
<b>Weight</b>	65.6kg (exclude handle and lens)	
<b>Fan Noise (Normal / Eco)</b>		
	49dB / 41dB	

<sup>1</sup> Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

<sup>2</sup> 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.

<sup>3</sup> When used in the general office environment (the amount of floating dust: 0.04 - 0.2 mg/m<sup>3</sup>). Based on the Epson's in-house test results.

#### Supplied Accessories

Power Cable  
Remote Control  
User's Manual CDROM  
HDMI Cable Clamp

#### Optional Accessories

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

#### Optional Lenses

Rear Projection Wide Lens: ELPLR05  
Short Throw Zoom Lens1: ELPLU05  
Short Throw Zoom Lens2: ELPLW07  
Middle Throw Zoom Lens1: ELPLM12  
Middle Throw Zoom Lens2: ELPLM13  
Middle Throw Zoom Lens3: ELPLM14  
Long Throw Zoom Lens1: ELPLL09  
Long Throw Zoom Lens2: ELPLL10

EB-L25000U



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