

EB-L25000U

# The next generation of 3LCD laser projectors



<sup>1</sup>Survey conducted by Futuresource Consulting Limited for the period from 2001 to 2015. <sup>2</sup>Brightest 3LCD projector as of April 2016. <sup>3</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.

For further information please contact your local Epson office or visit [www.epson-europe.com](http://www.epson-europe.com)  
Austria 01 253 49 78 333 Belgium +32 (0)2 792 04 47 Czech 800/142 052 Denmark 44 50 85 85 Finland 0201 552 091 France 09 74 75 04 04  
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EPSON  
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IN PROJECTORS

**3LCD**

**LASER**  
LIGHT SOURCE

**4K**  
Enhancement

**EPSON**<sup>®</sup>  
EXCEED YOUR VISION

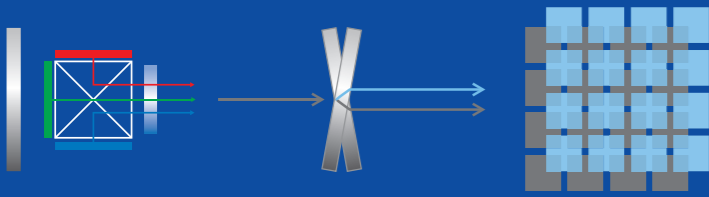


# The world's brightest 3LCD laser projector<sup>2</sup>

The Epson-developed laser light engine and inorganic LCD panels have made it possible to achieve 25,000 lumens with a 3LCD projector. Perfect for large venues such as auditoriums and conference centres, the EB-L25000U is also tough enough to deal with life on the road: projection mapping, outdoor events, live performances, rental and staging.

## High definition images

Epson's 4K enhancement technology shifts pixels diagonally by 0.5 pixels effectively doubling the resolution, delivering crisp, high definition images.



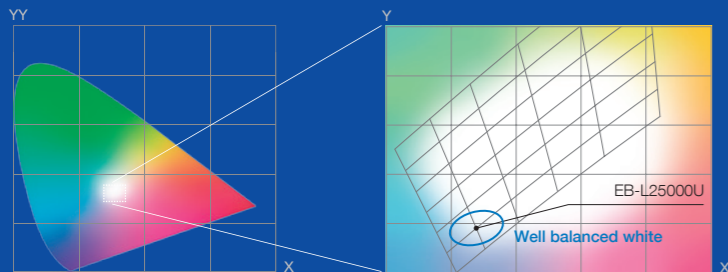
## Cleaner highlights

The powerful laser banks produce a pure, blue light. This is then converted to white light by passing it through the inorganic phosphor wheel. After the 3LCD colour separation and recombination process, white highlights are crisp and sharp, while colours remain true and accurate.



## Well-balanced whites

The laser light source produces a powerful, well-balanced white, together with vivid RGB colours that bring a refreshing vibrancy to projected images.



## High definition images with 4K quality lens

By completely redesigning the internal optical structure of each lens, unwanted colour bleed and chromatic aberration has been virtually eliminated. The lenses are 4K compatible — a testament to the quality of the components used. Images remain perfectly focused and are clear and sharp, even at the corners.

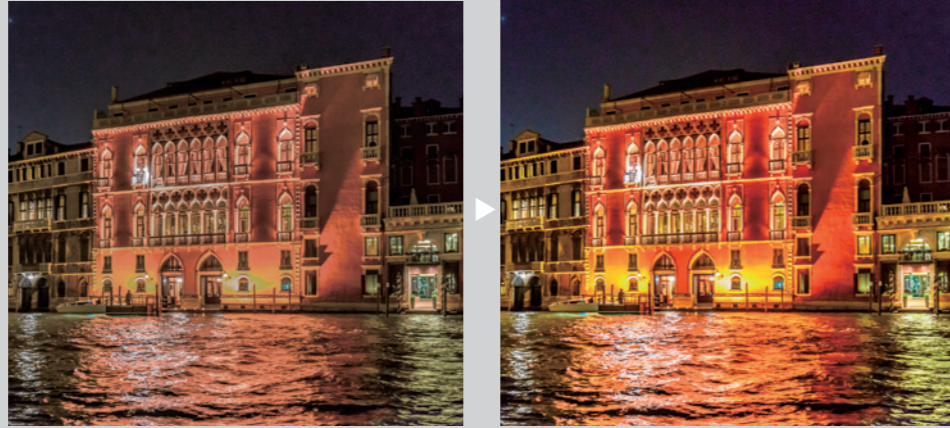
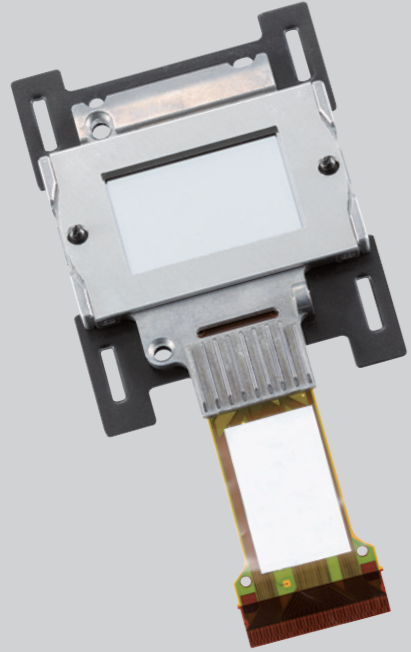




# Vivid images

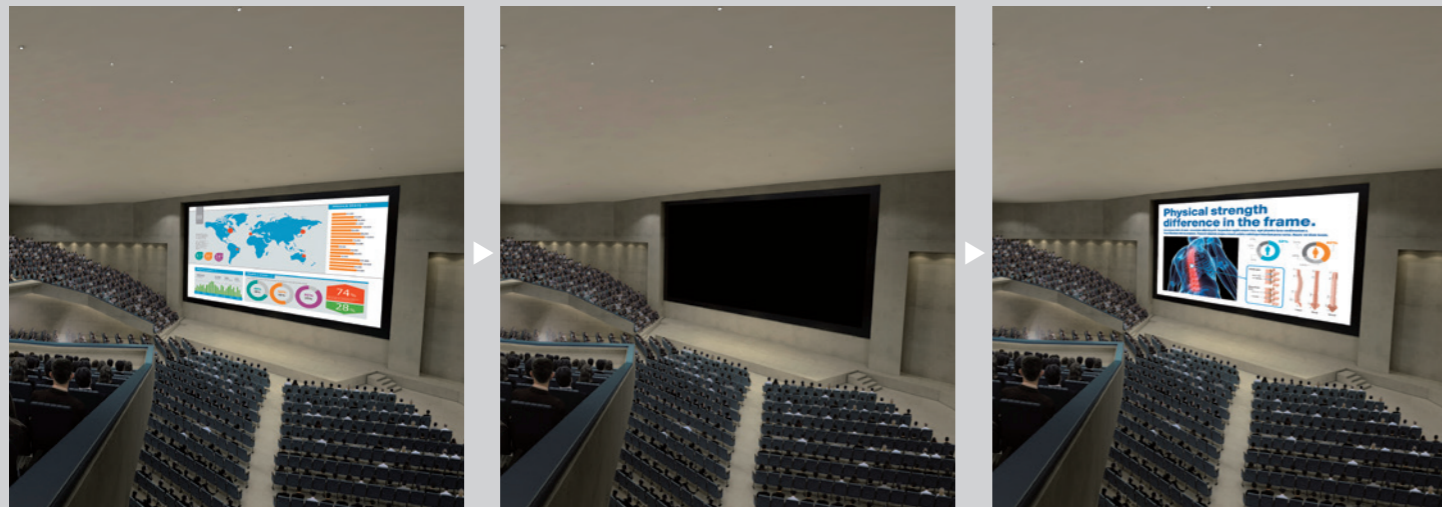
## High contrast ratio

More life-like contrast is achieved through the use of Epson's inorganic LCD panels and laser light engine.



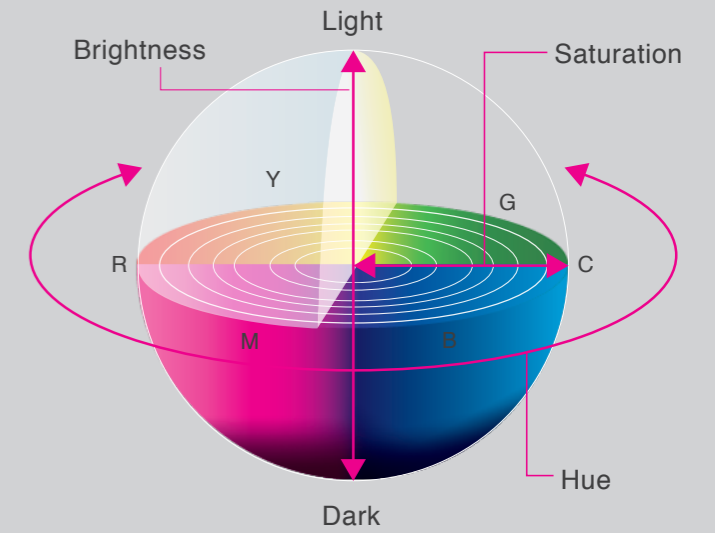
## Absolute black

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 colour adjustment

Adjust hue, saturation and brightness for each colour in the RGB and CMY colour 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



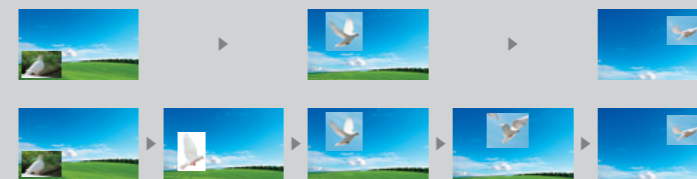
### With super resolution technology



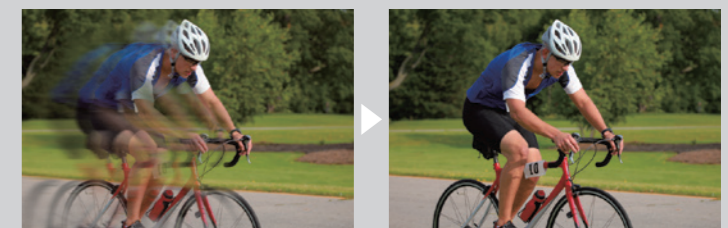
Simulated images

## Frame interpolation

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



Simulated images





# Ultimate reliability

A newly designed laser light source, inorganic LCD panels and inorganic phosphor wheel deliver up to 20,000 hours of maintenance-free operation<sup>3</sup>. In addition, the sealed optics and laser light source are highly reliable, eliminating concerns about sudden lamp failure during critical presentations or live events.

## Status monitor

The projector's built-in LCD status panel allows an instant check on input signal, AC line voltage and network connection.

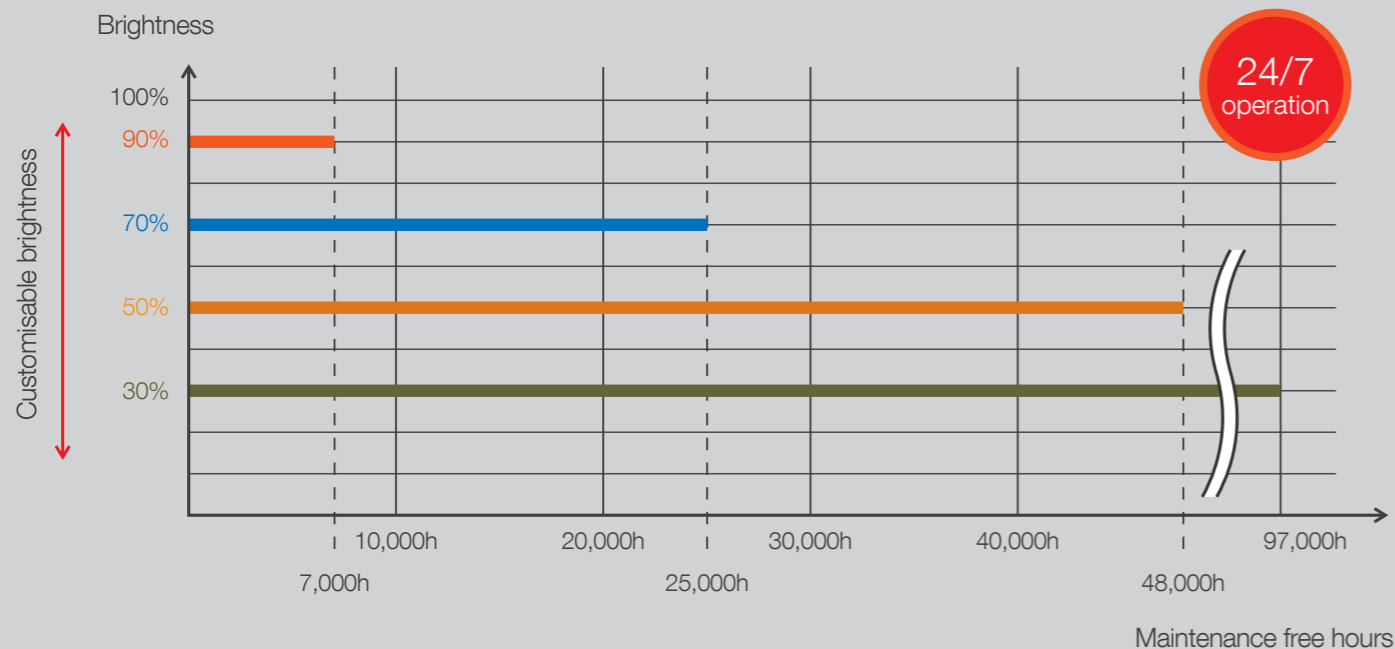
## Power supply log

You can monitor drops in voltage, log the times that this occurs and measure how long the drop lasted. The ability to log up to 30 voltage drops can help to determine the cause of unexpected shutdowns. This is especially useful when the projector is powered by a potentially unstable mains supply, such as a generator.

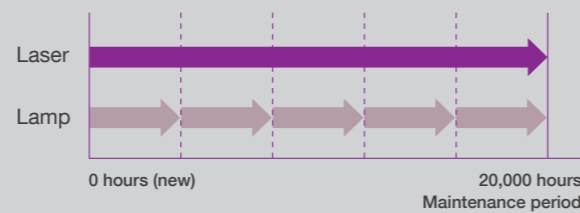
## Adjustable brightness

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

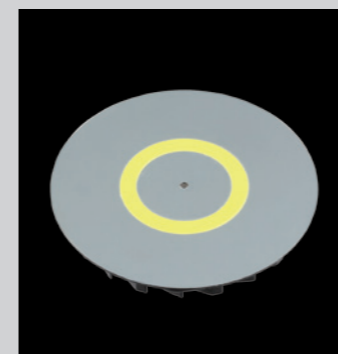
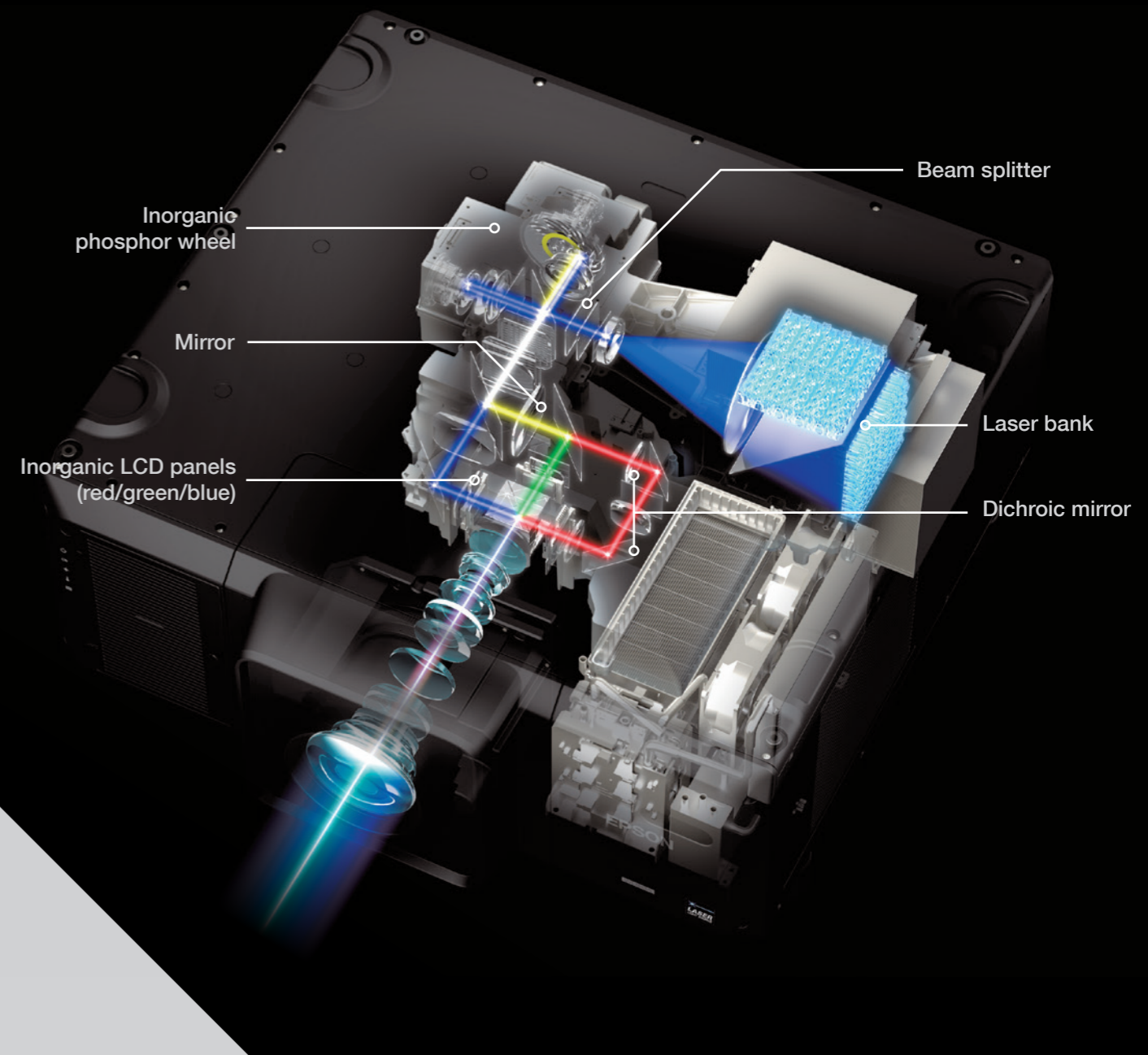
## Custom mode with constant brightness



## Maintenance period of laser and lamp

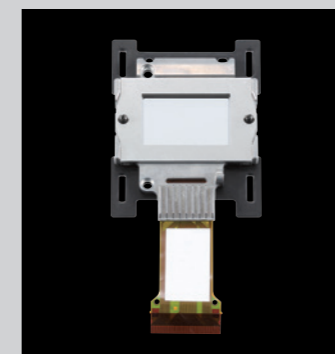


Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage conditions and environments.



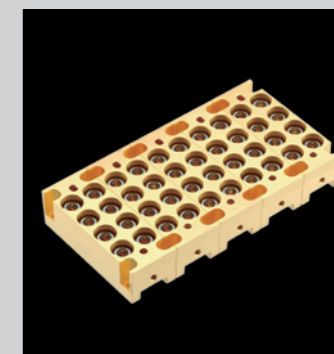
### Inorganic phosphor wheel

The phosphor wheel used to change blue laser light into white light. The new inorganic phosphor wheel is durable enough to withstand the high output of a laser light source. It also has fins on its rear, to assist with cooling as it rotates.



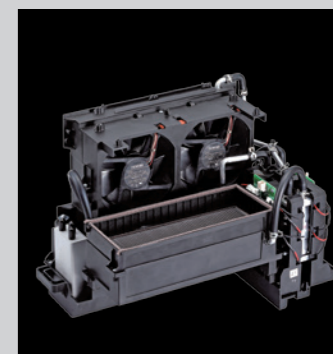
### Inorganic LCD panels

Newly developed, large 1.43inch panel. The inorganic panel enhances light resistance and prolongs the life of the projector.



### Laser bank

Two banks of high-powered laser diodes work together to deliver the outstanding 25,000lm.



### Cooling system

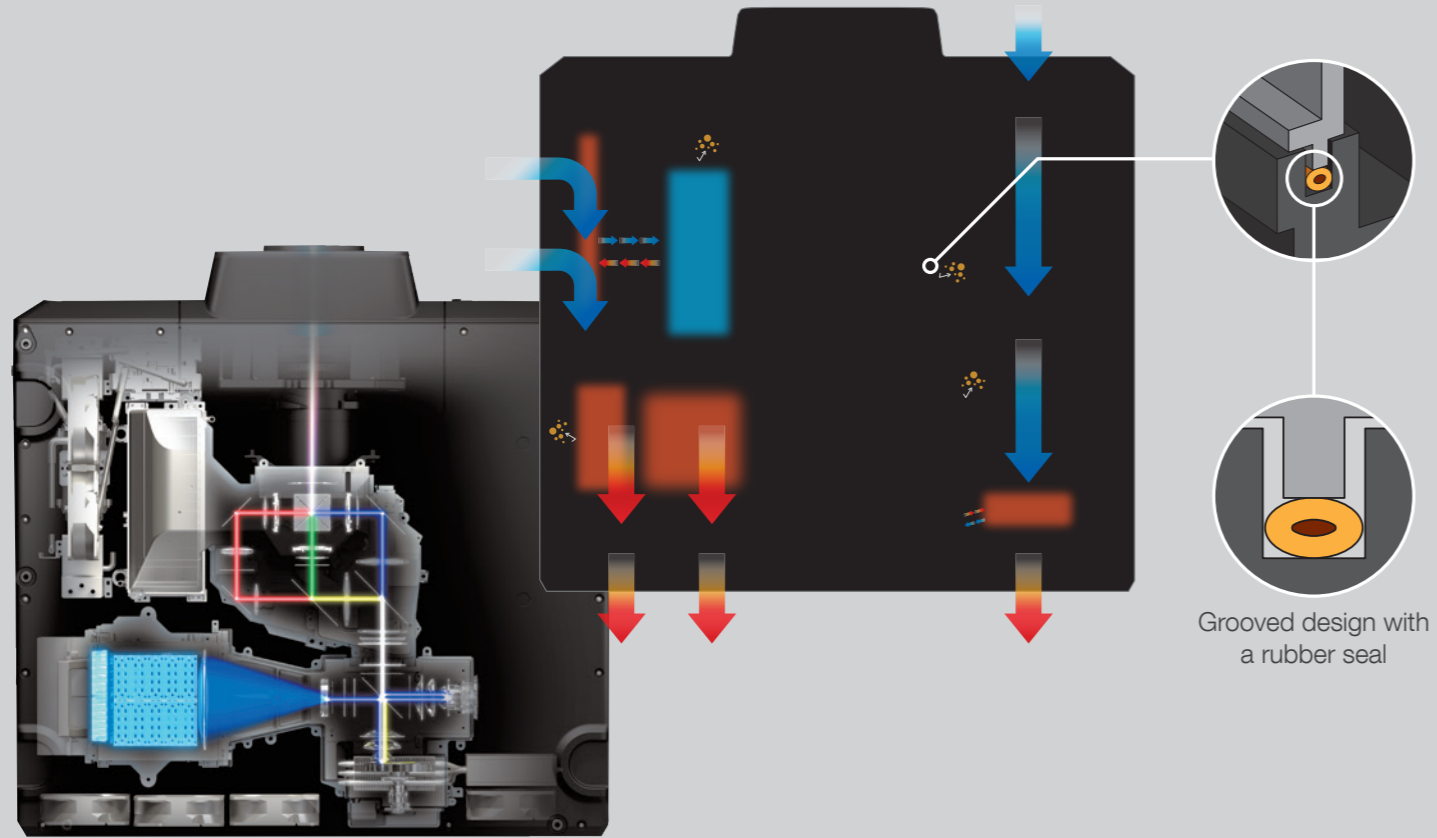
A combination of liquid and air cooling ensures that the internal temperature of the projector remains stable - even during 24/7 operation.



# Intelligent design

## 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 is significantly reduced, so you can use with confidence even in a smoky environment.

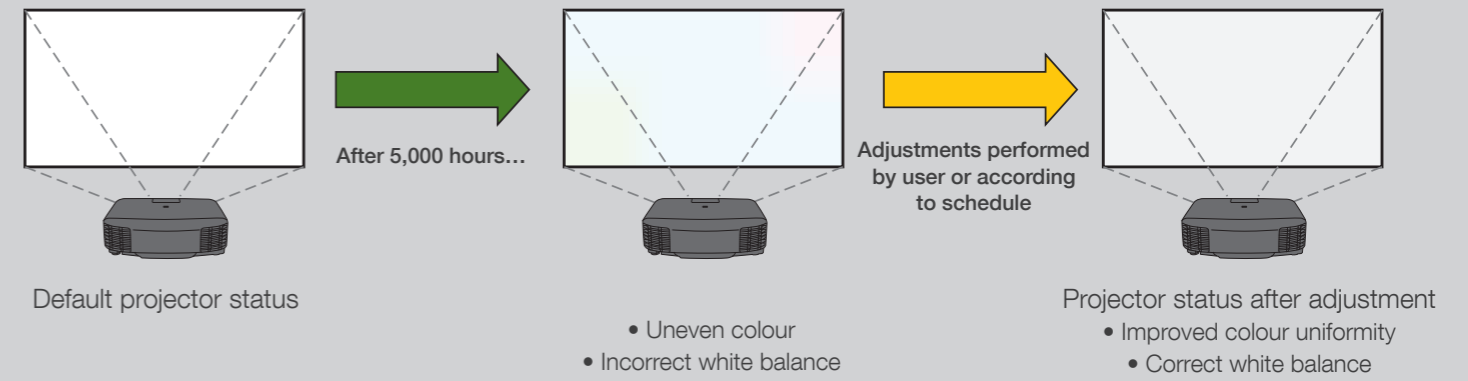


## Auto colour adjustment

The built-in camera detects projected images where colours may have drifted over time, allowing the projector to automatically correct colour. It also detects subtle colour inconsistencies between multiple projectors. This function can be set to check colour manually or automatically at regular intervals to deliver stable image quality with minimal maintenance.

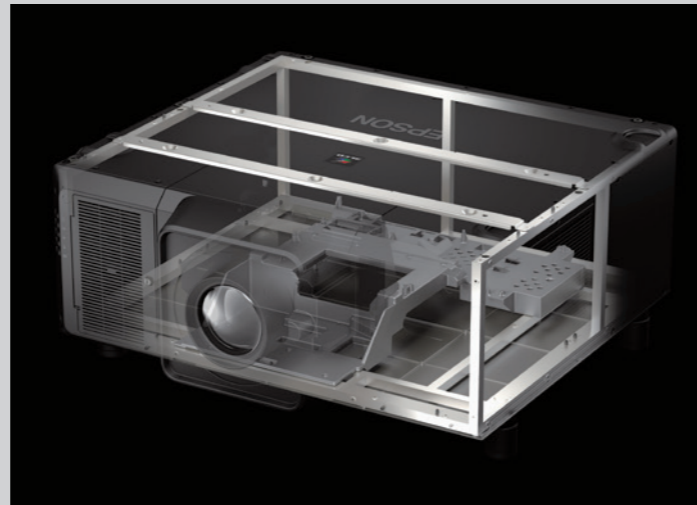


## Working image

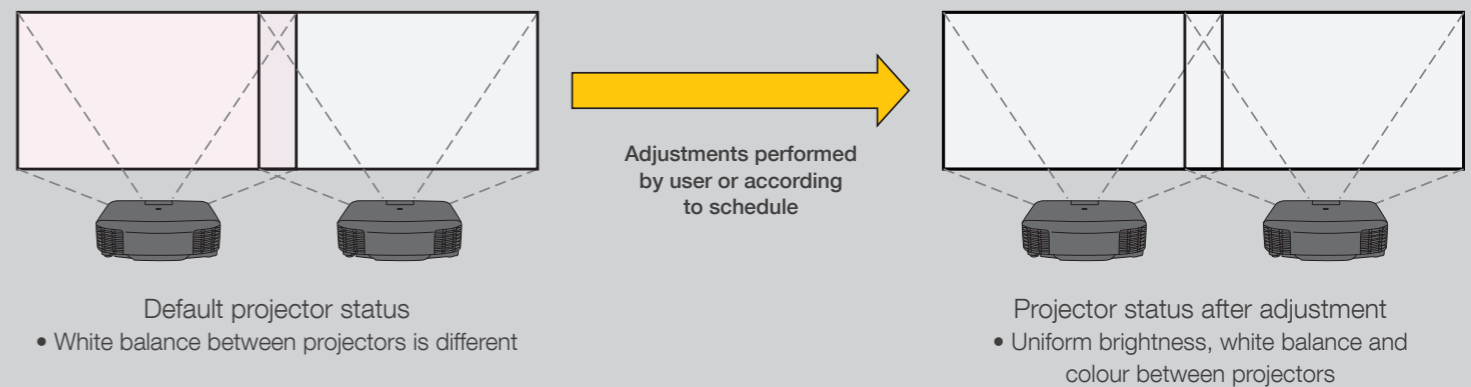


## Durable and compact body

The projector chassis and baseplate structure is reinforced with horizontal and vertical bracing. This substantially strengthens the projector body, making it suitable for the rigours of life on the road.

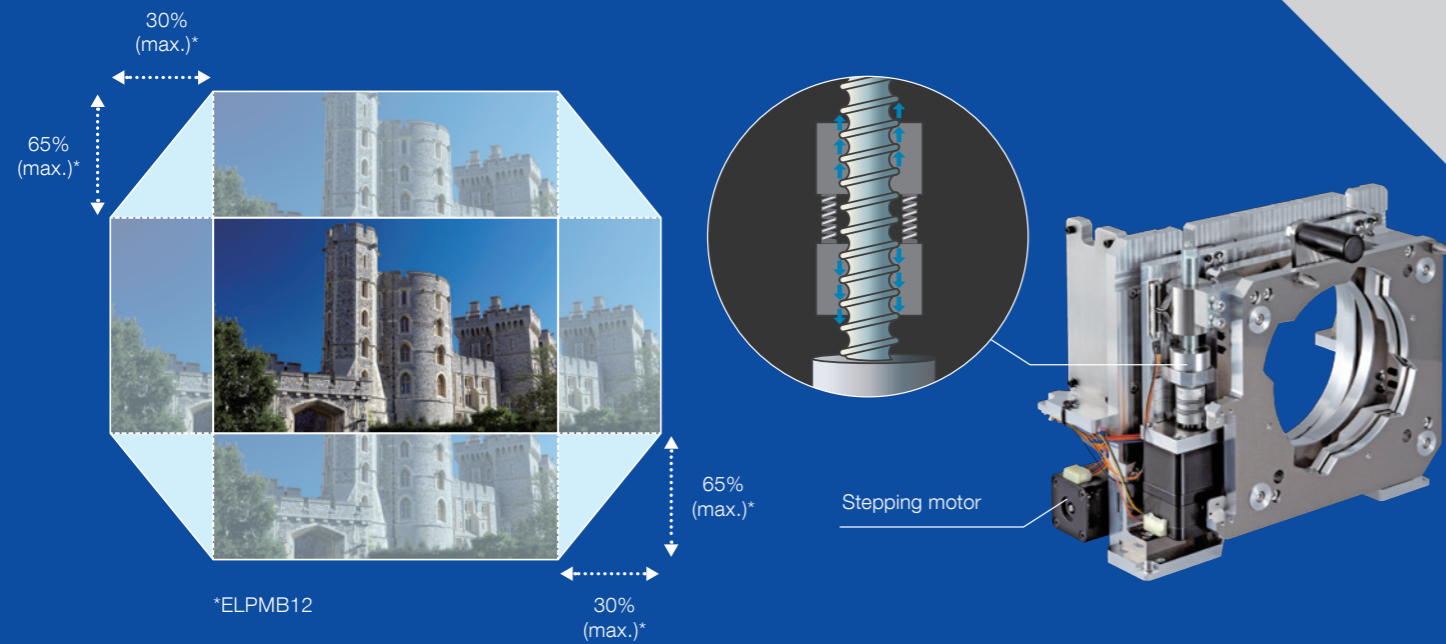


## Working image when using multiple projectors





# Outstanding flexibility



## Multi-directional projection

EB-L25000U can be rotated 360° in any direction and orientation – 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.

## Lens position memory

Up to ten settings can be stored in the projector memory, including shift positions, focus adjustments and zoom settings. This allows you to quickly adjust the projector by using either the remote control or command control.

## Wider lens shift

The electronic lens shift has an exceptionally wide range, achieved through a change in design and careful redevelopment of the entire lens mechanism. The improved stepper motors for the shift mechanism enables precise adjustments, accurate to within half a pixel.

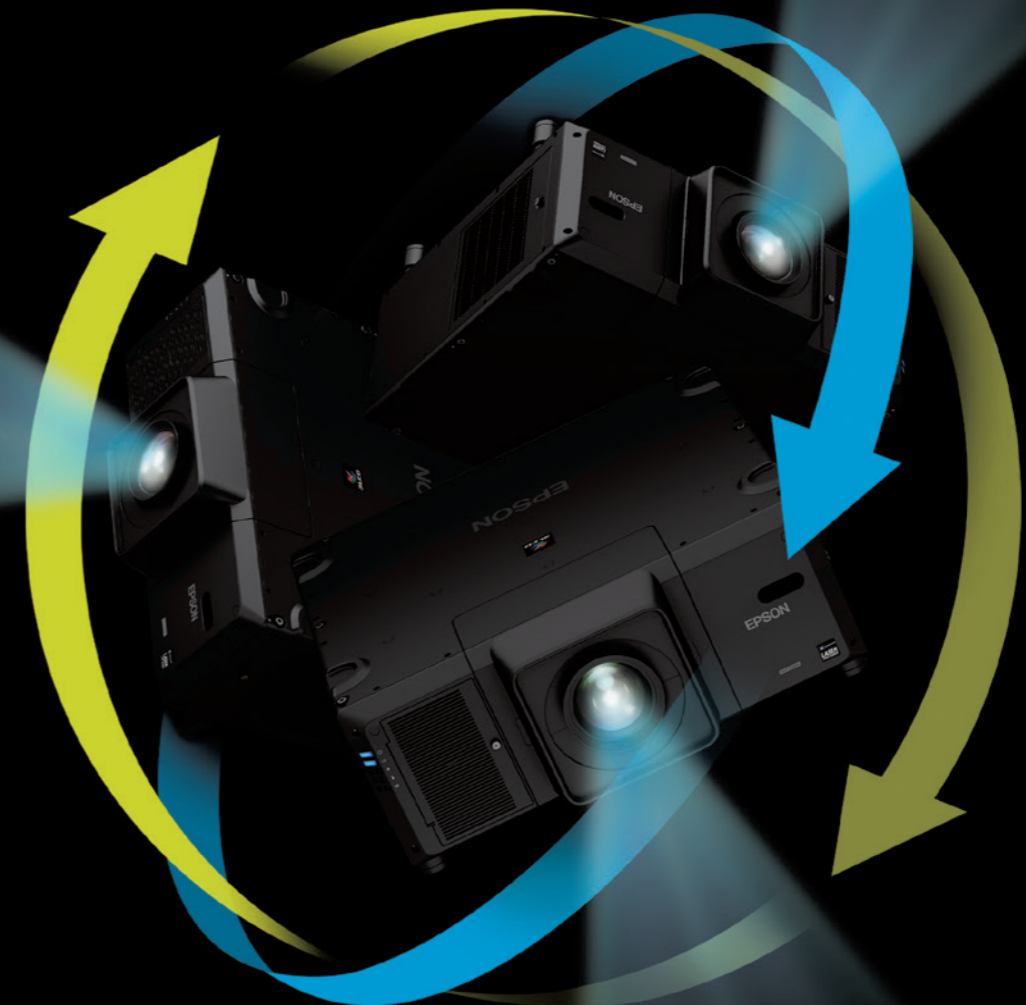
## Wide range of optical lenses

An extensive line-up of optional lenses is available to cover any installation scenario. All of the optional lenses are 4K compatible, allowing you to 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





# Unlimited projection

## Borderless multi-projection

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



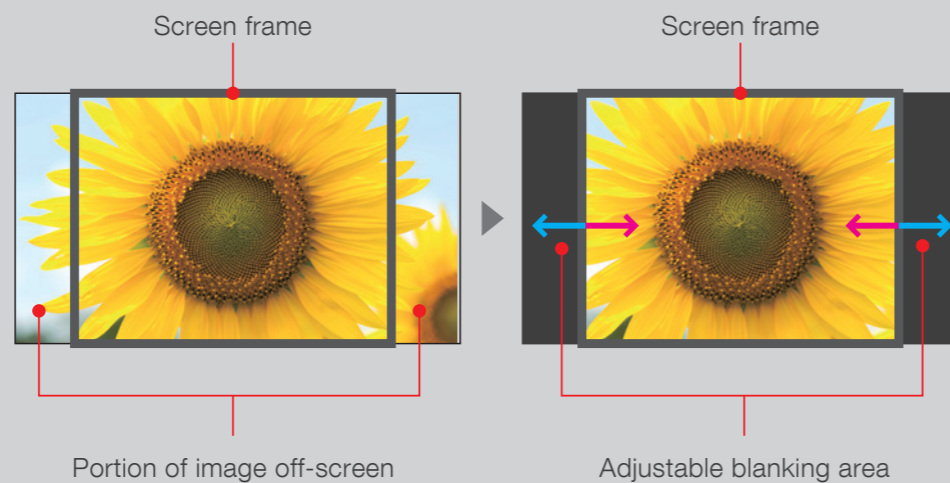
## Curved surface and corner wall

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



## Blanking

Adjust the blanking width for oversized images, or mask noise at the edges of the screen. All edges are adjustable.



## Web control with smart device support

Use a web browser, tablet or smartphone 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 sources on a single projector. This is especially useful for video conferencing, where a document or desktop can be shown alongside an image of the remote party. Native WUXGA resolution ensures that there is sufficient detail for both images to be clearly displayed.



## DMX-ArtNet

The EB-L25000U supports DMX-ArtNet, which enables the projector to be controlled from a DMX-ArtNet compatible lighting desk or control system, allowing synchronisation with in-house lighting effects. Features that can be controlled include: power, projector brightness, input source, lens functions (shift, focus and zoom) and lens memory settings. This makes the projector ideal for use in live performance environments, offering seamless integration with theatre and event lighting systems.

## 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.

## Lower power consumption

The internal drive was optimised to achieve low power consumption.

## Lower fan noise

Epson's own cooling system operates at an exceptionally quiet 49dB (40dB in Quiet Mode).

## Bundled carrying handle

Equipped with a convenient carrying handle. Used in combination with the optional carrying handle (ELPMB44) allows installation for portrait mode projection.



# Specifications

Resolution	WUXGA (1920 × 1200)
Native aspect	16:10
Colour Light Output (lumens) normal / eco	25,000 / 17,500
Contrast ratio	2,500,000:1
Lamp / laser life (hours) normal / eco	20,000 / 30,000
Throw ratio in native aspect	Dependent on lens
Image size (diagonal)	100" - 1,000"
Zoom	Dependent on lens
Maximum lens shift	±65% Vertical ±30% Horizontal
Vertical keystone	Manual ±45°
Horizontal keystone	Manual ±30°
Speaker output	N/A
Connectivity	Ethernet interface (100 Base-TX / 10 Base-T), VGA in, VGA out, DVI in, BNC in, HDBaseT, HD-SDI, HDMI (HDCP 2.2)
Audio connectivity	N/A
Networking	LAN (RJ45) and optional wireless LAN unit
EasyMP™ software solutions	EasyMP Network Monitor, EasyMP Network Projection, EasyMP Multi-PC Projection
Other features	Laser light source, fully sealed optical system, interchangeable lens options, powered zoom, focus and lens shift, lens memory, integrated camera for image recalibration, 4K enhancement, 360° installation, edge blending, portrait projection
Noise (dB) normal / eco	49 / 40
Weight (kg)	66.6
Dimensions exc. feet (W × D × H mm)	790 × 710 × 299
Power consumption normal / eco	2,500W / 1,850W
Power consumption standby, comm. off	0.5W

# Lens options



	Reference	Order number	Focus / zoom type	Zoom ratio	Aspect ratio WUXGA / 16:10	F number	Focal length (mm)	Screen size range (inch)	Lens shift Vertical / Horizontal	Weight (kg)
<b>Rear projection</b>	ELPLR05	V12H004R05	Powered: Zoom/ Focus	N/A	0.63	2.2	19.1	100 - 1000	±15% / ±5% max	9.4
<b>Wide zoom</b>	ELPLU05	V12H004U05	Powered: Zoom/ Focus	1 - 1.21	0.90 - 1.09	2.4 - 2.6	28.4 - 34.0	100 - 1000	±55% / ±25% max	9.7
	ELPLW07	V12H004W07	Powered: Zoom/ Focus	1 - 1.37	1.29 - 1.76	2.2 - 2.5	40.6 - 55.2	100 - 1000	±65% / ±30% max	9.4
<b>Middle throw</b>	ELPLM12	V12H004M0C	Powered: Zoom/ Focus	1 - 1.35	1.74 - 2.35	1.9 - 2.1	54.7 - 73.0	100 - 1000	±65% / ±30% max	7.2
	ELPLM13	V12H004M0D	Powered: Zoom/ Focus	1 - 1.52	2.28 - 3.46	1.9 - 2.4	71.6 - 107.3	100 - 1000	±65% / ±30% max	9.5
	ELPLM14	V12H004M0E	Powered: Zoom/ Focus	1 - 1.50	3.41 - 5.11	1.9 - 2.4	104.8 - 156.9	100 - 1000	±65% / ±30% max	9.5
<b>Long throw</b>	ELPLL09	V12H004L09	Powered: Zoom/ Focus	1 - 1.50	4.79 - 7.20	2.1 - 2.5	149.7 - 225.0	100 - 1000	±55% / ±25% max	9.2
	ELPLL10	V12H004L0A	Powered: Zoom/ Focus	1 - 1.50	6.73 - 10.45	2.2 - 2.6	216.6 - 326.8	100 - 1000	±55% / ±25% max	10.5

Epson's lens distance calculator can help you determine the optimal seating distance, projector distance and screen size, visit [www.epson.eu/lens-selector](http://www.epson.eu/lens-selector)