

**HIGH BRIGHTNESS  
LASER PROJECTORS  
EB-L1100U/1200U/1405U/1505U**

**EPSON**  
EXCEED YOUR VISION



**GO THE DISTANCE WITH LONGER LASTING LASER PROJECTIONS.**







The Epson EB-L1000 series projector is designed to deliver unyielding laser performance, from any position to most surfaces, up to 20,000 long lasting hours – maintenance-free. Project 4K enhanced resolutions in confident colours with the intuitive colour correction system that compensates for uneven colour surfaces and screens. With Epson, hassle-free and reliable projections are made possible.



EB-L1100U / EB-L1200U



EB-L1405U / EB-L1505U

-   
High Brightness
-   
Beyond Full HD Resolution
-   
Powered Lens
-   
Flexible Installation
-   
Edge Blending
-   
Split Screen



**ENGINEERED FOR BUSINESS**

**Unparalleled Performance**

Guaranteed 20,000 hours of maintenance-free projections with laser light source supported by fully inorganic display engine.

**Confident Colours, Greater Details**

Detect and correct uneven screen colours, to project 4K enhanced images in magnificent hues and brilliant white, with the built-in camera.

**Adaptive Projections**

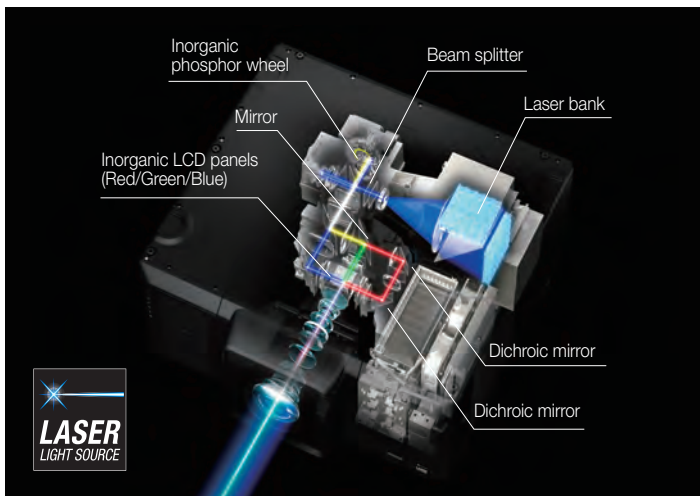
With the optional ultra short throw lens, rotate 360° and project on wide-curved, angled surfaces to create astounding images even in small spaces.





**Revolutionary laser light source**

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, changing it into 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**

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

Unlike organic substances, inorganic substances do not contain carbon.

**Worry-free projection**

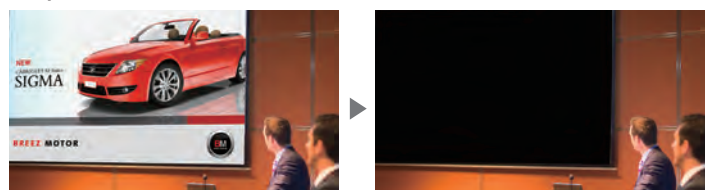
With multiple laser diodes to rely on, the screen won't go black even if one diode goes out. This eliminates the worry of the projector light burning out during mission-critical presentations.

**Laser**



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

**Lamp**



The screen goes black when the lamp burns out.

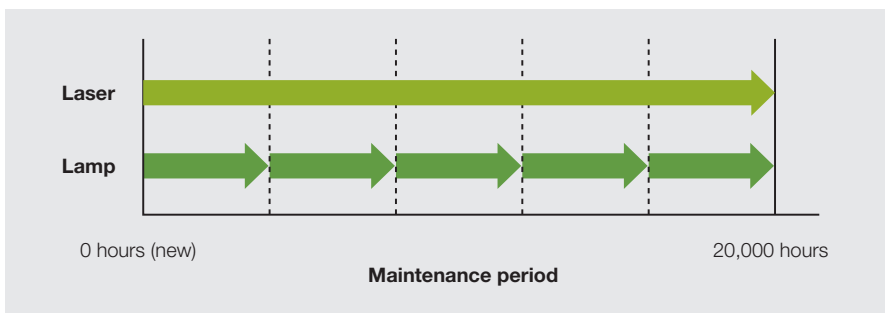


### 20,000 hours of maintenance-free use

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 these highly reliable laser projectors.

\* 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.

Maintenance period of laser and lamp



### Well-balanced Whites

White light is created through combining the blue and yellow light beams. The advanced optical engine in the EB-L1000 series precisely adjusts the blue and yellow light to create brilliant white highlights, bringing a refreshing vibrancy to your images.



Conventional model

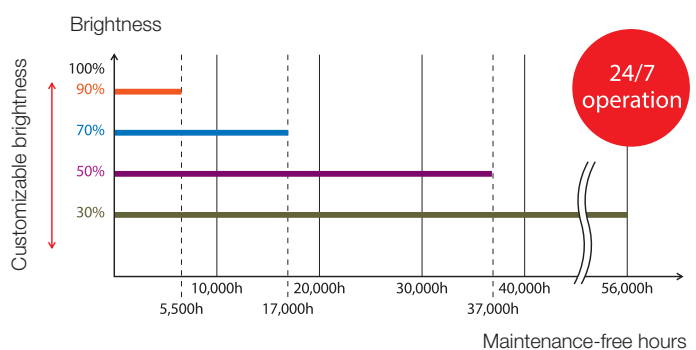


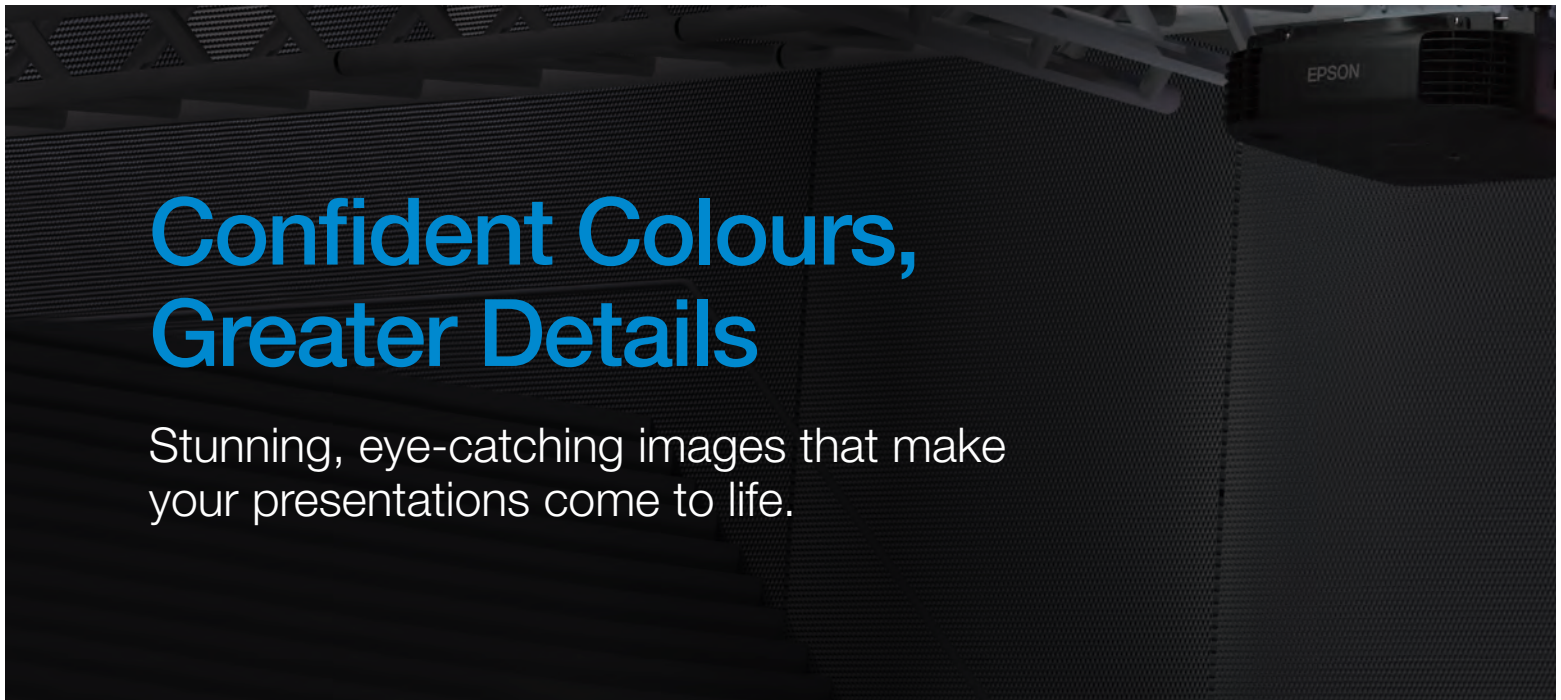
EB-L1000 Series

### Fine-tuning Brightness

The EB-L1000 series 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





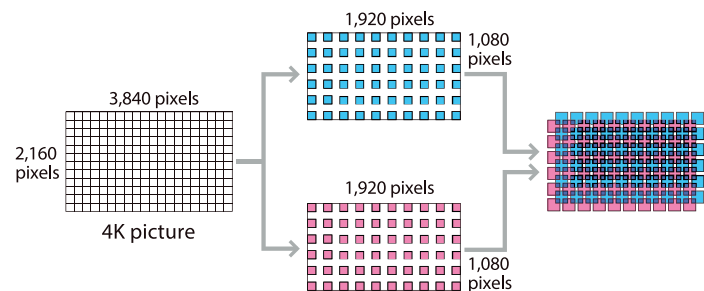
**WUXGA – Beyond Full HD Resolution**

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.



**High-definition Images with 4K 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.



Note: This function can only be used when the input signal is 1080p or higher, and is recommended for projecting HD videos only, not documents.

**Super-resolution Technology**

Epson's super-resolution technology delivers razor-sharp images even when projecting low-resolution content onto large screens. And with image data processed frame by frame, even rapid motion remains crisp.

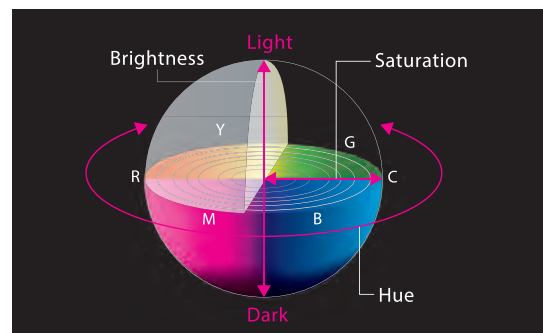


Super-resolution off

Super-resolution on

**Colour Adjustment**

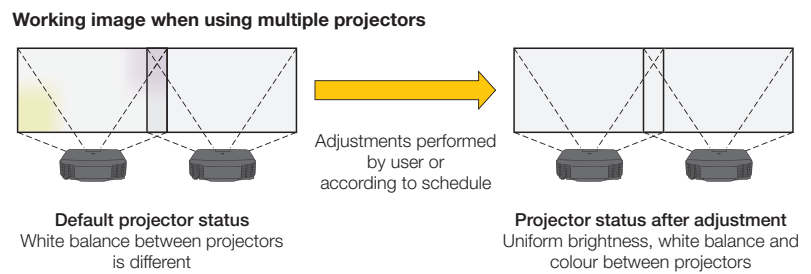
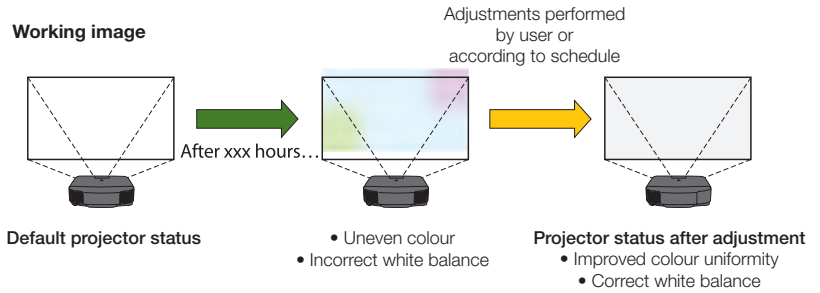
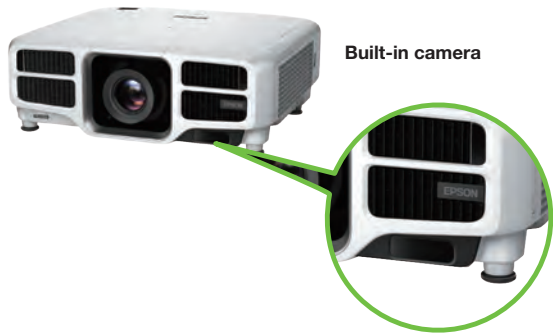
With the colour adjustment function, you can easily adjust the hue, saturation and brightness for each component of RGBCMY to match your preferences.





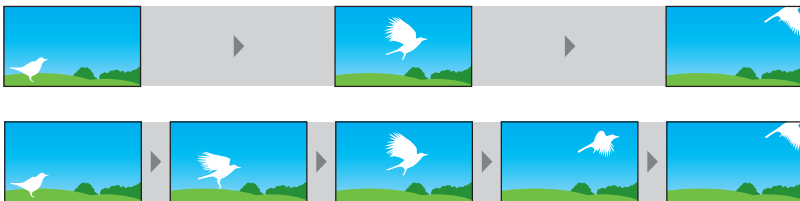
### Auto Colour Calibration with Built-in Camera

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. What's more, this function can be programmed to check colour manually or automatically at regular intervals to deliver stable image quality with minimum maintenance.



### 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.



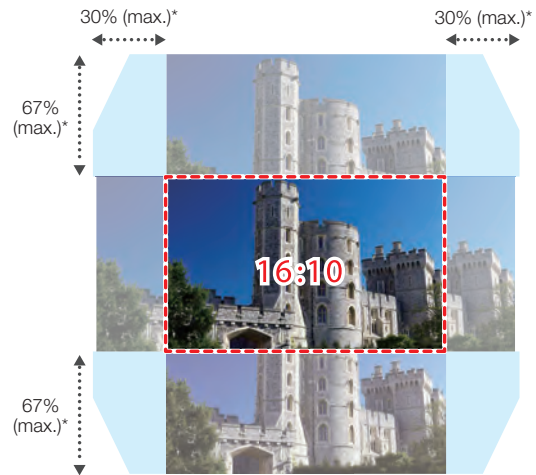


# Adaptive Projections

Designed with greater flexibility to fit any venue and application.

## 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.



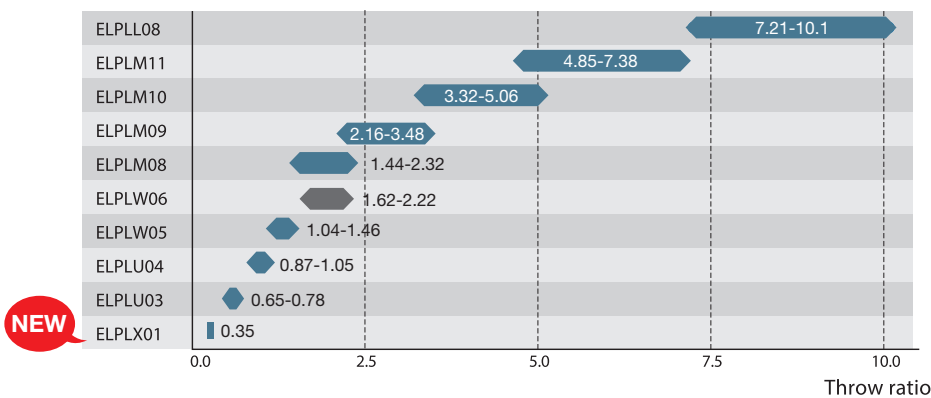
\* ±60% vertically, ±18% horizontally for EB-L1505U

## 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.

## Extensive Lens Options

The Epson EB-L1000 series offers an extensive line-up of optional lenses\* to fit any venue or subject. And with the new ELPLX01 zero offset, ultra-short throw lens, you can install the projector even in tight spaces.



\* ELPLM08 and ELPLX01 are applicable for EB-L1100U/L1200U/L1405U only.



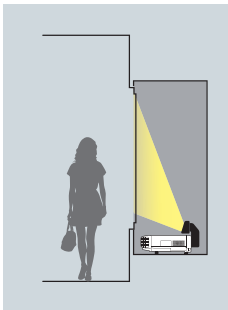
### Zero Offset, Ultra-short Throw Lens

A revolutionary invention of Epson, this powerful lens is especially useful for environments with extremely limited lens-to-screen distances. The short throw ratio of 0.35 with zero-offset and the projector's front-mounted exhaust system means you can project onto 100-inch screens even from as near as 74cm away. When combined with lens shift (+17% vertically, ±10% horizontally), these features simplify usage where space is at a premium.

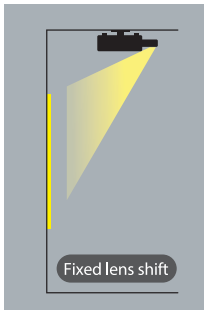
### Multi-direction Projection

EB-L1000 series 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.

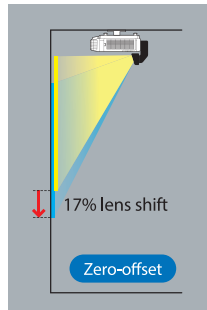
Epson EB-L1000 series



Competitor

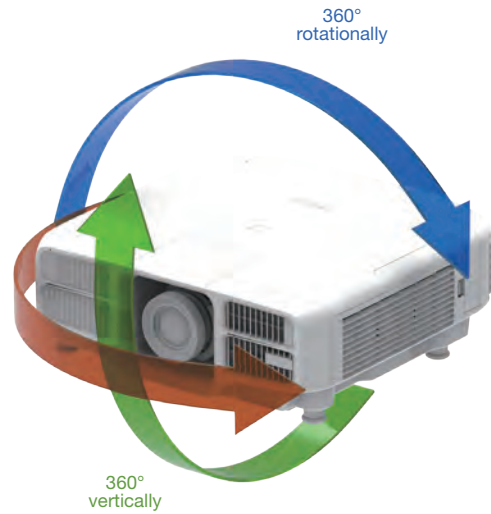


Epson EB-L1000 series



Larger image from shorter distances, plus added installation flexibility

360° horizontally



### 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.



**HIGH BRIGHTNESS LASER PROJECTORS**  
**EB-L1100U/L1200U/L1405U/L1505U**

**Borderless Multi Projection**

Offering a variety of functions for multi-projector installations, the EB-L1000 series lets you adjust brightness, colour and the position of overlapping areas for seamless, beautiful displays. There is also an Auto Scaling function for easy multi-projector displays and an Advanced Edge Blending function for more precise edge-blending adjustment.



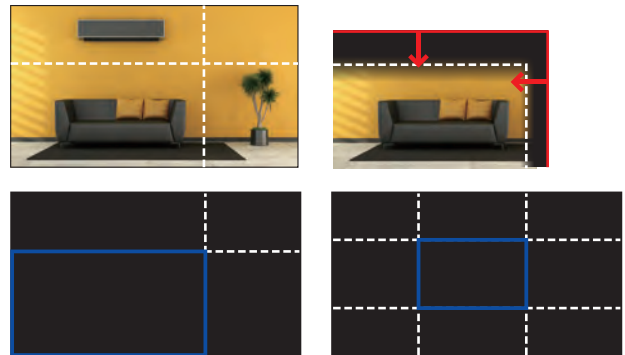
**Colour Matching/Brightness Level**

Enjoy uniform colour and brightness 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.



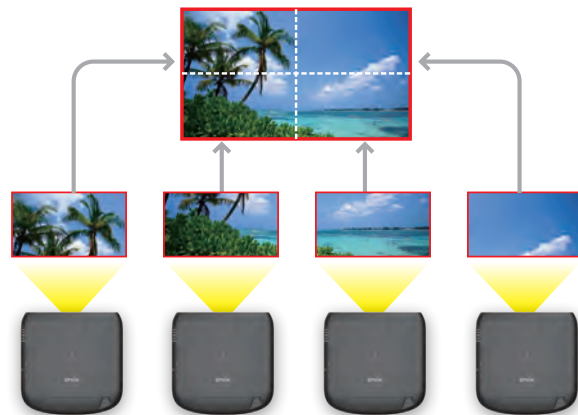
**Point Correction**

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.



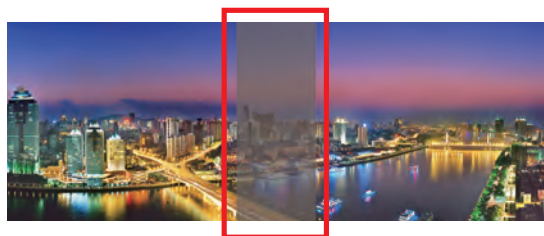
**Auto Scaling**

This revolutionary function simplifies the complicated scaling of images from multiple projectors so you can do it easily. Just select the screen layout from the pre-set menu and the projector automatically sets the slice area, scaling and edge-blend position.



**Black Level**

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

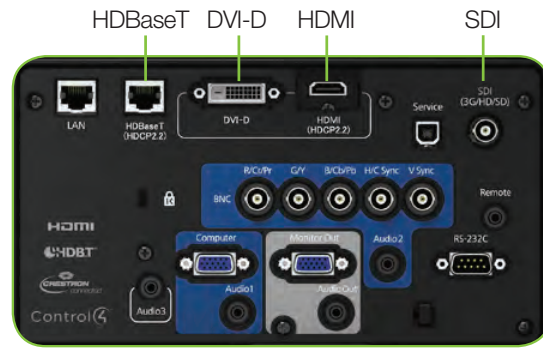




## Wide Range of Connectivity

The Epson EB-L1000 series is compatible with a wide range of external devices, and additional ports now include DVI-D, HDMI, HDBaseT and SDI\*. Ideal for large venues, HDBaseT can transmit Full HD video, audio and Ethernet at low cost through cat 5e/6 cables up to 100 metres.

\* For EB-L1405U/L1505U only.



## Ease of Maintenance

### EasyMP 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 network. You can configure your projectors and access their serial numbers remotely, as well as receive instant email alerts for pre-defined critical indicators such as non-functioning devices or overheating laser diode.

Now you can send messages or announcements as JPEG files simultaneously to any number of projectors on a network. This makes the EB-L1000 projector series very useful for immediate communication needs or even emergencies.



### Web Control

By connecting your projector to a network, you can adjust your projector installation entries from a PC or smart device.



### DMX-ArtNet Support

The EB-L1000 series\* supports DMX-ArtNet for synchronising lighting effects such as pre-programmed sequences with audio. Items you can control include power shutter switchgear input source, lens drive (shift, focus and zoom) and lens memory settings.

\* For EB-L1405U/L1505U only.

### Transfer OSD Information

Reduce installation and setup time when using multiple projectors by transferring OSD settings — such as brightness and colour settings as well as user logos — to multiple machines via USB or over a network.

### Better Products for a Better Future™

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



### Eco Features

- Uses just 0.28W 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

## 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 and Epson Connect

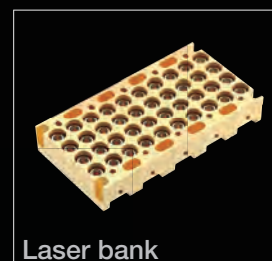
# EPSON REVOLUTIONISES PROJECTOR MARKET WITH 3LCD TECHNOLOGY AND LEADS AS WORLD'S NO.1\* PROJECTOR BRAND FOR 15 CONSECUTIVE YEARS!

\* Based on independent research by Futuresource Consulting



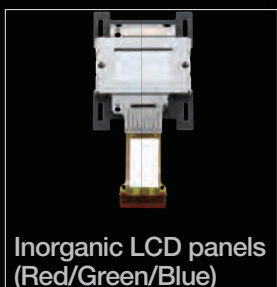
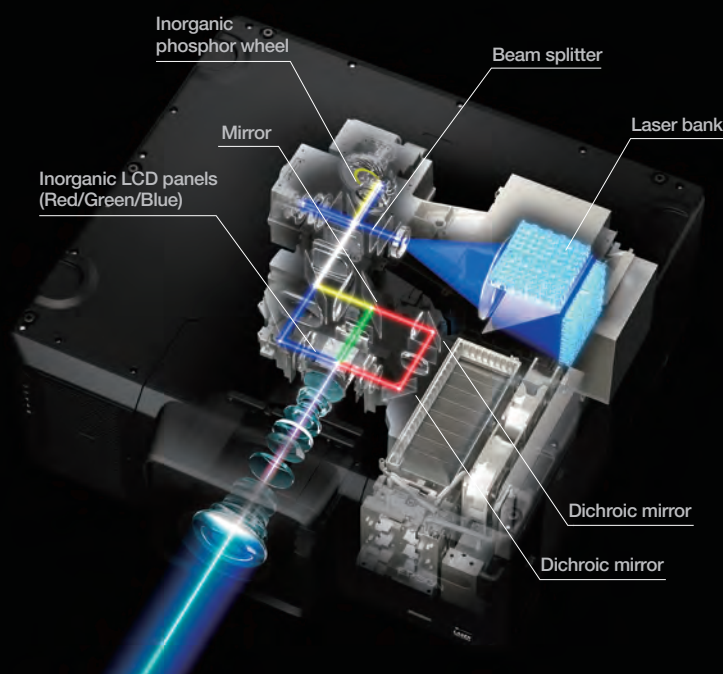
**Inorganic phosphor wheel**

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.



**Laser bank**

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



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

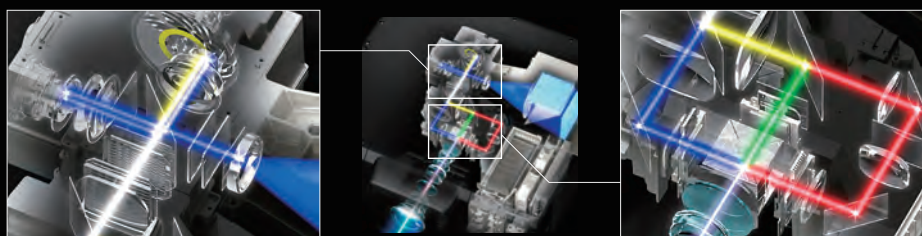
Newly developed, large 1.43inch panel. The adoption of an inorganic panel enhances light resistance and helps realise an even longer life.



**Cooling System**

A combination of liquid and air cooling was employed to achieve a cooling system.

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.



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.

[www.3lcd.com](http://www.3lcd.com)

# SEE VIBRANT, REALISTIC COLOURS WITH HIGH COLOUR BRIGHTNESS.

**9** out of **10** PEOPLE PREFER IMAGES FROM EPSON PROJECTORS\*

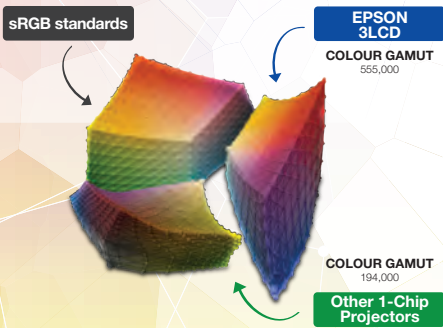
\*Based on a third-party study made by Radius Global Market Research of nearly 900 participants in the US

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. Epson Projectors

## 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.

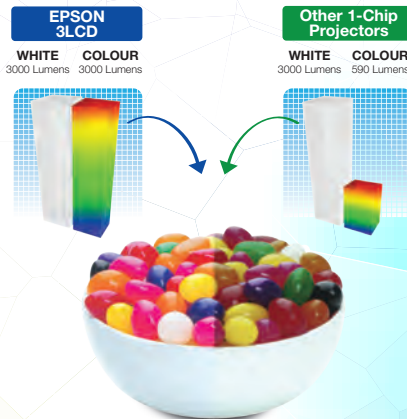


Comparing the yellow corners among the three gamuts, 1-chip projectors have a distinctly darker and smaller set of colours which are not as vibrant as Epson 3LCD projectors.

Up to **3x** Brighter Colours with Epson 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

## 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.



[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)



\*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.

## SPECIFICATIONS

### EB-L1100U/L1200U/L1405U/L1505U

**EPSON**  
EXCEED YOUR VISION

MODEL NUMBER	EB-L1100U	EB-L1200U	EB-L1405U	EB-L1505U
<b>Projection Technology</b>	RGB liquid crystal shutter projection system (3LCD)			
<b>Specifications of Main Parts</b>				
LCD	Size	0.76" (D10)		1.03" (D10)
	Native Resolution	WUXGA (1920 x 1200)		
<b>Projection Lens</b>				
Type	Power Zoom / Power Focus / Power Shift			
F-Number	1.7 - 2.3		1.8 - 2.5	
Focal Length	24.02 - 38.24 mm		36.00 - 57.35 mm	
Zoom Ratio	1 - 1.6		1 - 1.61	
Throw Ratio	1.45 - 2.32 (Wide to Tele)		1.57 - 2.56 (Wide to Tele)	
Lens Exchange	Yes			
Lens Shift	Mode	Powered		
	Vertical (Up/Down)	±67%		±60%
	Horizontal (Left/Right)	±30%		±18%
Lightsource	Type	Laser Diode		
	Life (Normal / Long)	20,000 / 30,000 hours		
<b>Screen Size (Projected Distance)</b>				
Zoom: Wide	50" - 300" [1.53 - 9.44 m]		60" - 500" [1.99 - 17.17 m]	
Zoom: Tele	50" - 300" [2.48 - 15.10 m]		60" - 500" [3.26 - 27.77 m]	
<b>Brightness<sup>1</sup></b>				
White Light Output (Normal / Eco)	6,000lm / 4,200lm	7,000lm / 4,900lm	8,000lm / 5,600lm	12,000lm / 8,400lm
Colour Light Output	6,000lm / 4,200lm	7,000lm / 4,900lm	8,000lm / 5,600lm	12,000lm / 8,400lm
<b>Contrast Ratio</b>	2,500,000:1			
<b>Internal Speaker(s)</b>				
Sound Output	10W x 1		N/A	
<b>Geometric Correction</b>				
Vertical / Horizontal Keystone	±45° / ±30° (Zoom: Tele) (with Standard Lens)			
Auto Keystone	Yes			
Quick Corner	Yes			
Curve Surface	Yes			
Point Correction	Yes			
Corner Wall	Yes			
<b>Connectivity</b>				
Analog Input	D-Sub 15Pin	1 (Blue)		
	5BNC	1		
Digital Input	DVI-D	1		
	HDMI	1 (with HDCP 2.2)		
	HDBaseT (FX)	RJ45 x 1 (with HDCP 2.2)	RJ45 x 1 (with HDCP 2.2 and Art-Net Support)	
	BNC (SDI)	N/A		
		1		
Output Terminal	D-Sub 15Pin	1		
Audio Input	Stereo Mini Jack	3		
Audio Output	Stereo Mini Jack	1		
Others	USB Type A	1 (for Wireless LAN, Firmware Update, Copy OSD Settings)		
	USB Type B	1 (for Firmware Update, Copy OSD Settings)		
Control I/O	RS-232C	D-sub 9pin x 1		
	Remote Control Input	Stereo mini jack x 1		
Network	Wired LAN	RJ45 x 1 (100Mbps)	RJ45 x 1 (100Mbps with Art-Net Support)	
	Wireless	Optional		
<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 Security	WPA-PSK / WPA2-PSK(TKIP/AES) WPA2-PSK(AES)			
<b>Operating Temperature</b>				
	0 - 45 °C <32 - 113 °F> (Below 1,500m / 4,921ft) 0 - 40 °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 7 seconds, Warm-up Period: 30 seconds			
<b>Cool Down Period</b>				
	Instant Off			
<b>Air Filter</b>	Type	High Efficiency Filter		
	Maintenance Cycle	20,000 hours <sup>3</sup>		
<b>Power Supply Voltage</b>				
	100 - 240 V AC ±10%, 50/60 Hz			
<b>Power Consumption (220 - 240V)</b>				
Laser Diode (Normal / Eco)	454W / 313W	566W / 384W	625W / 417W	908W / 597W
Standby (Network On / Off)	2.4W / 0.28W			2.3W / 0.33W
<b>Dimension Excluding Feet (D X W X H)</b>				
	492 x 586 x 185 mm			
<b>Weight</b>				
	Approx. 20.1kg	Approx. 20.6kg		Approx. 23.6kg
<b>Fan Noise (Normal / Eco)</b>				
	34dB / 28dB		35dB/29dB	39dB / 33dB

<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  
Power Cable Clamp (EB-L1405U/EB-L1505U)  
Computer Cable (VGA Cable)  
Remote Control with 2 x AA Battery  
Cable Cover  
User's Manual CDROM

#### Optional Accessories

Air Filter: ELPAF51  
Wireless LAN Card: ELPAP10  
Quick Wireless Connection USB Key: ELPAP09  
HDBaseT Transmitter: ELPHD01  
Remote Control Cable Set: ELPKC28  
Ceiling Mount: ELPMB47/ELPMB48

#### Optional Lenses

Ultra Short Throw Lens: ELPLX01\*  
Zoom Lens: ELPLU03 / ELPLU04 / ELPLW05 /  
ELPLW06 / ELPLM08\* / ELPLM09 /  
ELPLM10 / ELPLM11 / ELPLL08

\* ELPLM08 and ELPLX01 are applicable for EB-L1100U / L1200U/L1405U only.

EB-L1100U / EB-L1200U



EB-L1405U / EB-L1505U



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