

**ULTRA-SHORT THROW
LASER PROJECTOR
EB-700U**

EPSON
EXCEED YOUR VISION



**FLEXIBLE AND ADAPTABLE.
WOW YOUR AUDIENCE.**

Epson EB-700U is your most impressionable Full HD ultra-short throw laser projector for the retail environment. Coupled with outstanding flexibility and portability, projections look phenomenal even in tight spaces. Every component is skilfully innovated with attention to detail in mind, including the integrated 3LCD technology that will provide you with stunning colour brightness for quality images.



- Beyond Full HD Resolution
- Ultra-short Throw 80" 47cm*
- Multi-PC Projection
- 4000 Lumens
- PC Free USB Memory
- Flexible Installation
- Maintenance Free



IT'S IN THE DETAILS.

3LCD technology that delivers quality projected images and reliable performance.

Truly Unmatched Performance

Enjoy peace of mind with guaranteed 20,000 hours of maintenance-free projections with laser light source.

Amazing Flexibility

Designed especially for tight spaces, it can be rotated 360° in any direction without compromising on image brightness.

Spectacular Projections

WUXGA resolution (1,920 x 1,200 pixels) that gives you sharpness and clarity down to the smallest detail.



*Throw distance of 47cm is between the lens and wall.

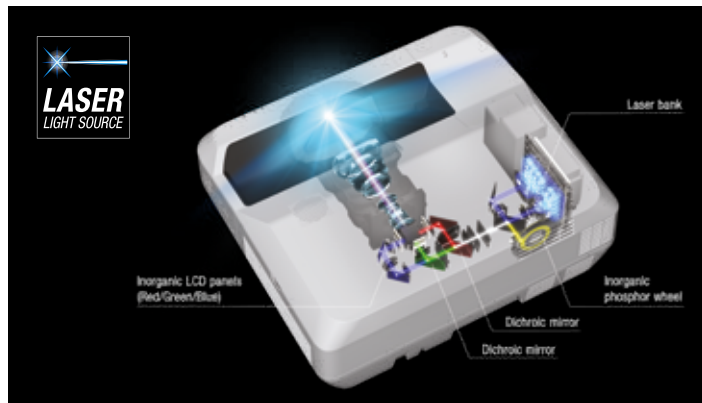


Truly Unmatched Performance

Achieving Greatness in Every Way.

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

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

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 while displaying your advertisements.

Laser



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

Lamp



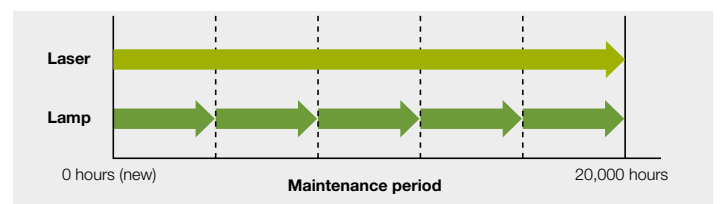
The screen goes black when the lamp burns out.

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. In addition, 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/m³ 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-700U series precisely adjusts the blue and yellow light to create brilliant white highlights, bringing a refreshing vibrancy to your images.

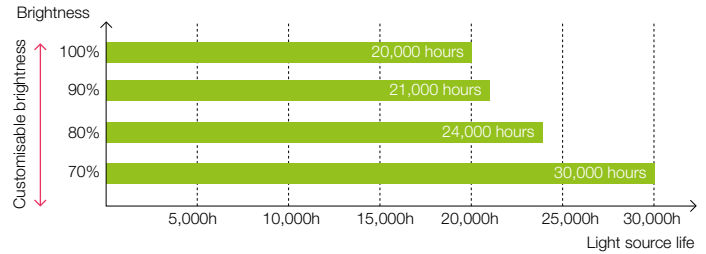


Conventional model

EB700U Series

Fine-tuning Brightness

The EB-700U 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.

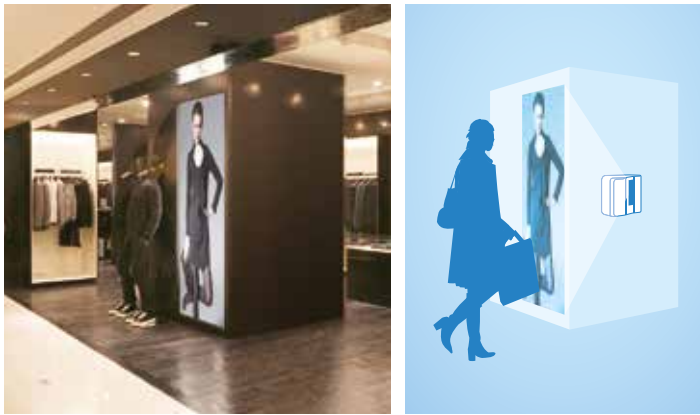


Amazing Flexibility

Convenience through Effective Efficiencies.

Multi-direction Projection

The EB-700U 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. Furthermore, the newly supported portrait projection allows for more installation flexibilities.



Digital Signage without PC

Project contents on walls, ceilings and floors without needing to connect to a PC. Simply insert the USB stick that has your content into the projector and it is ready to be projected. Whether it is images or MJPEG videos, the EB-700U makes it easy and convenient.



Stunning Large Projections in Small Spaces

With the ultra-short throw capability, it is now possible to project a large-screen within the narrow space of retail windows. You can now create captivating window displays with the help of large projections to increase the visibility of store merchandise.



Quick Start-up Time

Equipped with laser light technology, the EB-700U starts up within 5 seconds, ensuring smooth and timely displays. Fast and efficient, your advertisements are always ready for display at a moment's notice.



Spectacular Projections

Incredible Image Quality. A Feast for the Eyes.

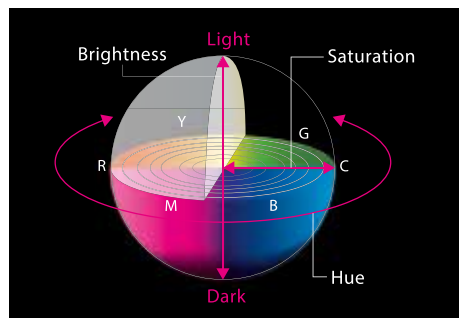
WUXGA – Beyond Full HD Resolution

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 and dynamic viewing experience.



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.



No Reflection Glare on Projection

Unlike conventional display methods, projections from EB-700U are not subjected to glare from fluorescent lamps and sunlight from windows. The audience will not be distracted by such reflections and all information projected can always be clearly seen.



Ease of Maintenance

Epson Projector Management

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-700U projector series very useful for immediate communication needs or even emergencies.

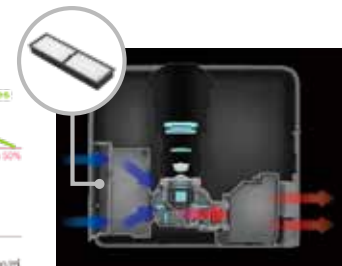
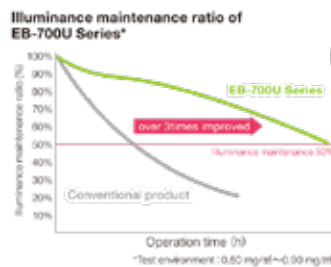


Web Control

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

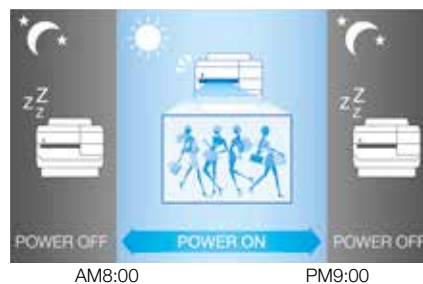
Superior Dustproof Design

A revolutionary high-performance filter and an improved dustproof structure help prevent dust from entering the optical engine. Thanks to this clever dust-proof design, it enables higher brightness that can last longer compared to conventional models. The airflow is also optimised such that the unclean air does not blow directly into the optical engine.



Scheduling function

The EB-700U Series can run programs as scheduled with a built-in clock. You can set the times for turning projectors on and off daily as necessary.



EPSON REVOLUTIONISES PROJECTOR MARKET WITH 3LCD TECHNOLOGY AND LEADS AS WORLD'S NO.1* PROJECTOR BRAND FOR 16 CONSECUTIVE YEARS!

* Based on independent research by Futuresource Consulting



Inorganic phosphor wheel

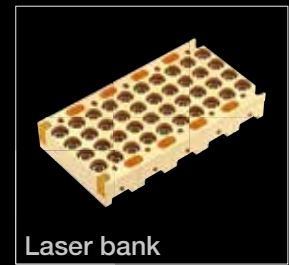
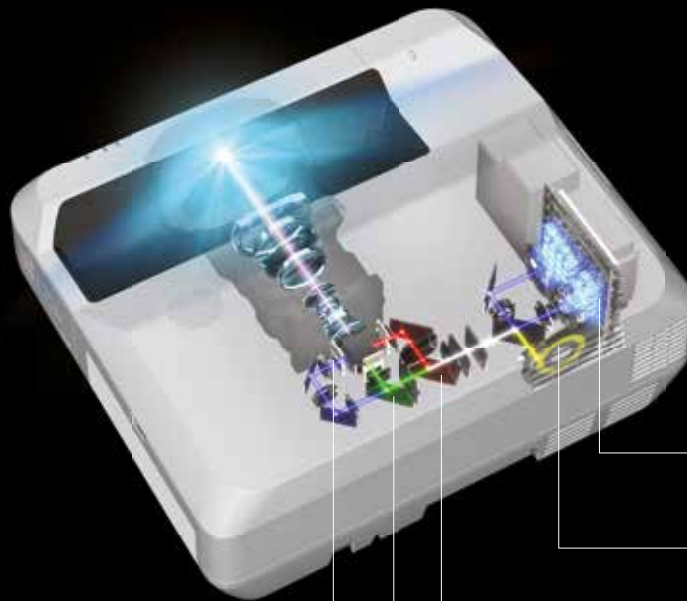
The device used to change blue laser light into yellow light. The adoption of an inorganic phosphor wheel has made it durable enough to withstand the high output of a laser light source.



Inorganic LCD panels (Red / Green / Blue)

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-4,000lm.

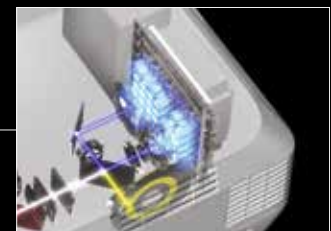
Laser bank

Inorganic phosphor wheel

Dichroic mirror

Dichroic mirror

Inorganic LCD panels (Red / Green / Blue)



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.

SEE VIBRANT, REALISTIC COLOURS WITH HIGH COLOUR BRIGHTNESS.

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

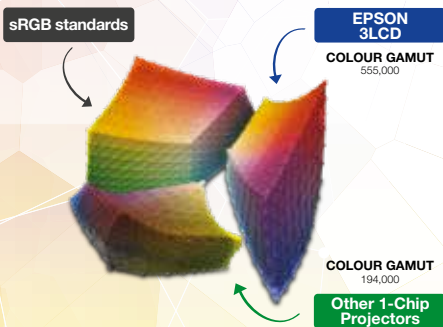
*Leading Epson business and education projectors vs. leading 1-chip DLP projectors, selected according to NPD data as of July 2015. Based on U.S. research conducted by Radius Research.

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.

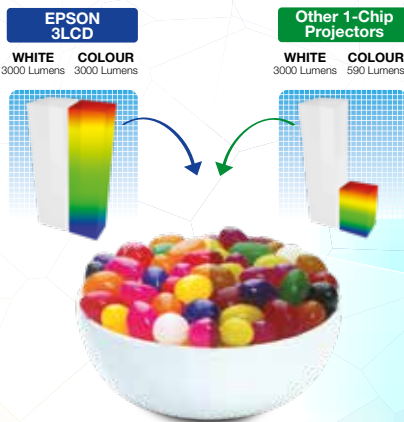


Comparing the yellow corners among the three gamuts, 1-chip projectors have a distinctly darker and smaller set of colours which are not as vibrant as Epson 3LCD projectors.

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.



BIGGER PROJECTION. BRIGHTER FUTURE.

“More than half of the students are unable to read certain contents displayed on a 70" flat panel display.”

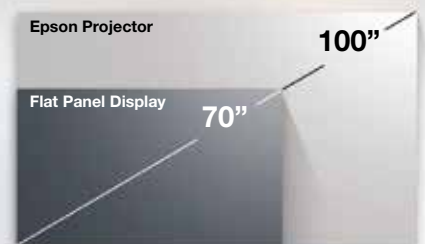
- Radius Research.



Flat Panel Display

Epson Projector

58% of students from US, 61% from UK, and 57% from Singapore are unable to read contents on a 70-inch flat panel display*. This is why we've built projectors that depict larger and more immersive pictures, so that you can fully engage your audience and maximise every learning experience with exquisite detail and vibrancy. By not downsizing classroom displays to flat panels—you ensure the brightest minds of our future are not hindered by contents displayed too small and unreadable. Experience the real practical difference today.



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To find out more, visit www.epson.com.sg/displaysizematters

*Based on research conducted by Radius Research in US, UK and Singapore. The research was done using a 70-inch class 4k resolution flat panel in a 22' x 27' / 22' x 26' / 22' x 30' classroom-style arrangement respectively. When asked to copy down six short items of information from slides displayed, 58% of students from US, 61% from UK, and 57% from Singapore, aged 12-22, copied at least one item incorrectly.



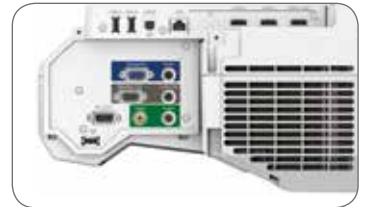
MODEL NUMBER	EB-700U	
Projection Technology	RGB liquid crystal shutter projection system	
Specifications of Main Parts		
LCD	Size	0.67" (D10)
	Native Resolution	WUXGA
Projection Lens		
	Type	No Optical zoom / Focus (Manual)
	F-Number	1.60
	Focal Length	4.2 mm
	Zoom Ratio	1.0 - 1.35 (Digital zoom)
	Throw Ratio	0.27 - 0.37 (Wide - Tele)
Lightsource	Type	Laser Diode
	Life (Normal / Extended)	20,000 / 30,000 hours
Screen Size (Projected Distance)		
Zoom: Wide	70" to 130" [40.5 to 78.1 cm]	
Zoom: Tele	70" to 130" [55.8 to 106.7 cm]	
Standard Size	90" screen [53 to 72.8 cm]	
Brightness		
White Light Output (Normal / Extended)	4000 lm / 2800 lm	
Colour Light Output (Normal / Extended)	4000 lm / 2800 lm	
Contrast Ratio		
	Over 2,500,000:1	
Internal Speaker(s)		
Sound Output	16W Mono x 1	
Geometric Correction		
Keystone	Vertical	-3 to +3 degrees
	Horizontal	-3 to +3 degrees
	Auto Keystone	N.A.
Quick Corner	Yes	
Connectivity		
Analog Input	D-Sub 15Pin	1 (Blue)
	Composite	RCA x 1 (Yellow)
Digital Input	HDMI	3 (HDMI1 in common with MHL)
Analog Output Terminal	D-Sub 15Pin	1 (Black)
Audio Input	Stereo Mini Jack	2
Audio Output	Stereo Mini Jack	1
Others	USB Type A	2 (for USB Memory, USB Document Camera, Firmware update, Copy OSD Settings)
	USB Type B	1 (for USB Display, Mouse, K/B, Control, Firmware Update, Copy OSD Settings)
Control I/O	RS-232C	D-sub 9 pin x 1
	Remote Control Input	N.A.
Network	Wired LAN	RJ45 x 1 (100 Mbps)
	Wireless	Yes (ELPAP10 Option)
Wireless Specification		
Supported Speed for each Mode	IEEE 802.11b: 11 Mbps IEEE 802.11g: 54 Mbps IEEE 802.11n: 130 Mbps	
Supported Mode	Infrastructure, Access Point	
Wireless Lan Security	Quick Mode: OPEN, WPA2-PSK	
	Advanced Mode: OPEN, WPA/WPA2-PSK, WPA/WPA2-EAP Supported EAP Type: PEAP, PEAP-TLS, EAP-TLS, EAP-Fast, LEAP	
Operating Temperature		
	Single use: 0 °C to 45 °C* <32 °F to 113 °F> (20 % - 80 % humidity, No condensation) Multi-projection use*: 0 °C to 40 °C** <32 °F to 104 °F> (20 % - 80 % humidity, No condensation)	
Operating Altitude		
	0 m to 3000 m (0 ft to 9842 ft) (over 1500 m / 4,921 ft: with High altitude mode)	
Direct Power On / Off		
	Yes / Yes	
Start-Up Period		
	Less than 9 seconds (Epson Logo) Quick Startup: Approx 5 seconds (HDMI / Computer / Video input) Warm-up period: 30 seconds	
Cool Down Period		
	Instant Off	
Air Filter		
Maintenance Cycle (Normal / Extended)	20,000H / 30,000H	
Power Supply Voltage		
	100 - 240 V AC +/- 10 %, 50 / 60 Hz	
Power Consumption (220 - 240 V)		
Laser Diode (Normal / Extended)	423W / 332W	
Network Standby / Energy Saving	2.0W / 0.3W	
Dimension Excluding Feet (D X W X H)		
	437 x 494 x 172 mm	
Weight		
	Approx. 24.3 lbs / 11.0 kg	
Fan Noise (Normal / Extended / Quiet)		
	38dB / 37dB / 27dB	

Supplied Accessories

Power Cable: 4.5 m
Computer Cable: 1.8 m
Remote Control: Yes, with battery attached
Foot for main unit: Yes

Optional Accessories

Setting Plate: ELPMB53
Air Filter: ELPAF43
Wireless LAN unit: ELPAP10



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Dealer's Stamp

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