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.

**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.*
*Source: Futuresource Consulting.*
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.

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.

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

<table>
<thead>
<tr>
<th></th>
<th>Inorganic (Glass, iron, aluminum, etc.)</th>
<th>Organic (Paper, wood, plastic, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light-resistance</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Heat-resistance</td>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>

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.
Amazing Flexibility
Convenience through Effective Efficiencies.

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.

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.

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.

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.

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.
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.

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.

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

High-powered laser diodes enable to achieve the outstanding brightness-4,000lm.

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.

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
See vibrant, realistic colours with high colour brightness.

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.

www.epson.com.sg/colourbrightness
To learn more about 3LCD engines, visit www.3lcd.com
“More than half of the students are unable to read certain contents displayed on a 70" flat panel display.”
- Radius Research.

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.

*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.

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

**EB-700U**

**Model Number:** EB-700U

**Projection Technology:** RGB liquid crystal shutter projection system

**Specifications of Main Parts**

- **LCD Size**
  - 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

- **Connectivity**
  - Analog Input: D-Sub 15Pin 1 (Blue)
  - Composite
  - Digital Input: HDMI 1 (Yellow)
  - 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, USB Type B 1, RS-232C D-sub 9 pin x 1

- **Control I/O: RS-232C**
  - 9-pin x 1

- **Network**
  - Wired LAN: RJ45 x 1 (100 Mbps)
  - Wireless: Yes (ELPAP10 Option)

- **Operating Temperature**
  - Single use: 0 °C to 45 °C (<32 °F to 113 °F>)
  - Multi-projection use*: 0 °C to 40 °C (<32 °F to 104 °F>)

- **Operating Altitude**
  - 0 m to 3000 m (0 ft to 9842 ft)

- **Direct Power On / Off:**
  - Yes / Yes

- **Start-Up Period:**
  - 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 - 240V):**
  - Laser Diode (Normal / Extended): 423W / 332W

- **Network Standby / Energy Saving:**
  - 20W / 0.3W

- **Dimension (Excluding Feet):**
  - 427 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
- Food for main unit: Yes

**Optional Accessories**
- Setting Plate: ELPNB53
- Air Filter: ELPAF43
- Wireless LAN unit: ELPAP10

**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, WPA2-PSK, WPA, WPA2-EAP
- Supported EAP Type: PEAP, PEAP-TLS, EAP-TLS, EAP Fast, LEAP

**Dealers’ Stamp**

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