

# EB-L790SU



## DATASHEET / BROCHURE



## Professional short throw projector with ultimate reliability and low maintenance

Designed for compact spaces, the EB-L790SU short-throw offers 7,000 lumens of bright WUXGA resolution, HDR and advanced installation features. It provides up to 30,000 hours of maintenance-free projection in Eco mode, lens shift, 1.7x zoom and 10W speakers. Ideal for professional applications with flexible control options via HDBaseT, LAN, and wireless.

### Spectacular short throw professional projector

Create stunning, shadow-free presentations in compact spaces with a short throw ratio of 0.79–1.36:1, built-in lens shift and WUXGA resolution. Featuring 1.7x optical zoom, corner focus and display sizes up to 400", this high-performance display is ideal for sports simulators, visitor attractions, retail and more. Its compact design, low noise and sleek white chassis deliver bright, vibrant, crystal-clear images, even in well-lit environments, ensuring exceptional visuals.

### Flexible installation for professional setups

Designed for easy installation, the EB-L790SU can be quickly configured to deliver optimal performance in any room layout. Features such as lens shift, horizontal and vertical keystone correction, and 360° projection ensure precise image positioning. Options like split-screen capabilities, edge blending, and geometry correction, along with the optional ELPEC01 camera and Epson Projector Professional Tool, provide fast setup and calibration, offering flexibility for complex installations.

### Smart control for seamless experience

Enhance usability with NFC for easy large-scale rollouts using the Epson Projector Config Tool. The user-friendly OSD menu simplifies navigation, while Epson's EPMC cloud monitoring allows effortless remote management. Fully compatible with Crestron XiO Cloud, it offers centralised control, and OTA firmware updates ensure the projector remains up-to-date for a seamless experience.

### Peace of mind with high durability and support

Engineered for long-lasting performance, the EB-L790SU features fit-and-forget laser technology, backed by a 3-year warranty. It minimises maintenance needs, reduces downtime, and offers peace of mind with Epson's renowned after-sales support.

### Environmentally friendly design

Built with sustainability in mind, our projectors are manufactured using 100% renewable electricity<sup>2</sup> and packaged in 100% recyclable cardboard. With low maintenance and energy consumption and benefits from end-of-life recycling and energy recovery services across Europe.

### Stream and share easily

With Apple AirPlay 2 and Miracast connectivity<sup>1</sup>, sharing content is quick and simple - users can wirelessly mirror their device screens to the display for seamless collaboration. The USB-A port also enables PC-free streaming, while additional options like HDBaseT and HDMI daisy-chaining further enhance flexibility.

## KEY FEATURES

- **Exceptional 7,000 lumens short throw projector**

Ideal for a wide range of immersive displays. This compact, budget-friendly laser display delivers high-quality performance in any setting.

- **Perfect for immersive spaces and simulation applications**

Project scalable images up to 400", creating immersive, shadow- and glare-free visuals in compact spaces with a short throw ratio of 0.79–1.36:1 and 1.7x zoom.

- **Effortless, flexible installation**

A fixed centre lens with manual lens shift and advanced features like corner focus adjustment ensures easy setup and adaptability for any environment.

- **Quiet operation**

Delivers high-performance with at a low noise level of 26dB in Eco mode, ensuring a quiet and focused environment for immersive visual experiences.

- **Instant connectivity with Apple AirPlay 2 and Miracast<sup>1</sup>**

Seamlessly share content from laptops, tablets, and smartphones - perfect for BYOD setups and collaborative environments.

- **Making sustainable choices with Epson**

Made from 19% recycled plastics, low power consumption, reduced packaging and a usage life of up to 30,000 hours in Eco mode (20,000 hours normal).

- **Legal Statement**

Complies with The UK Product Security and Telecommunications Infrastructure (Product Security) requirements. Epson will provide security updates for 7 years from purchase

## PRODUCT SPECIFICATIONS

### TECHNOLOGY

|                   |                                             |
|-------------------|---------------------------------------------|
| Projection System | 3LCD Technology, RGB liquid crystal shutter |
| LCD Panel         | 0.67 inch with C2 Fine                      |

### IMAGE

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| Color Light Output      | 7,000 Lumen- 4,900 Lumen (economy) In accordance with IDMS15.4         |
| White Light Output      | 7,000 Lumen - 4,900 Lumen (economy) In accordance with ISO 21118:2020  |
| Resolution              | WUXGA                                                                  |
| Aspect Ratio            | 16:10                                                                  |
| Contrast Ratio          | Over 5,000,000 : 1                                                     |
| Light source            | Laser                                                                  |
| Laser Light source      | 20,000 hours Durability High, 30,000 hours Durability Eco              |
| Keystone Correction     | Manual vertical: $\pm 30^{\circ}$ , Manual horizontal $\pm 30^{\circ}$ |
| Colour Video Processing | 10 Bits                                                                |
| Colour Reproduction     | Upto 1.07 billion colours                                              |

### OPTICAL

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Throw Ratio                   | 0.79 - 1.36:1                                        |
| Zoom                          | Manual, Factor:1 - 1.7                               |
| Lens                          | Optical                                              |
| Lens Shift                    | Manual - Vertical $\pm 50\%$ , horizontal $\pm 20\%$ |
| Screen Size                   | 60 inches - 400 inches                               |
| Projection Distance Wide      | 1 m - 7 m                                            |
| Projection Distance Tele      | 1.8 m - 11.9 m                                       |
| Projection Distance Wide/Tele | 1.02 m - 11.89 m                                     |
| Projection Lens F Number      | 1.7 - 2.1                                            |
| Projection Lens Focal Length  | 11.6 mm - 19.9 mm                                    |
| Projection Lens Focus         | Manual                                               |

### CONNECTIVITY

|                  |                                                                                                                                                                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces       | USB 2.0-A (2x), USB 2.0 Type B (Service Only), RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN IEEE 802.11a/b/g/n/ac, HDMI out, HDBaseT, Miracast, HDMI (HDCP 2.3) (2x), Jack plug out, Near Field Communication (NFC), Apple AirPlay 2 |
| Network Protocol | HTTPS, SNMP, ESC/VP.net, PJLink                                                                                                                                                                                                                             |

### ADVANCED FEATURES

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security          | Kensington lock, Control panel lock, Padlock, Security cable hole, Wireless LAN unit lock, Password protection                                                                                                                                                                                                                                                                                                                |
| 2D Colour Modes   | Dynamic, Natural, Cinema, Presentation, DICOM SIM                                                                                                                                                                                                                                                                                                                                                                             |
| Other features    | 21:9 aspect ratio support, A/V mute, Auto Power On, Built-in speaker, Customizable user logo, Direct Power on/off, Document Camera Compatible, Edge Blending, Home Screen, JPEG Viewer, Network projection, OSD copy function, PC Free, Point correction, Quick Corner, Schedule Function, Screen Mirroring, Split-Screen-Function, Ultra-wide display (16:6), Web Control, Web Remote, Wireless LAN capable, iProjection App |
| Video Color Modes | Cinema, Dynamic, Natural, Presentation, DICOM SIM, Multi Projection, BT709                                                                                                                                                                                                                                                                                                                                                    |
| Projector control | via: Crestron Integrated Partner, Extron XTP, AMX Device Discovery                                                                                                                                                                                                                                                                                                                                                            |

## EB-L790SU

## WHAT'S IN THE BOX

- Main unit
- Power cable
- Remote control incl. batteries
- User guide
- Warranty document
- Quick Start Guide

PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL                 |                                                                                                                                                                                                                                                      |
| Power consumption       | 388 Watt (Normal On-Mode), 266 Watt (Eco On-Mode), 450 Watt (Normal Peak-mode), 330 Watt (Eco Peak-Mode), 0.4 Watt (Energy saving standby)                                                                                                           |
| Supply Voltage          | AC 100 V - 240 V, 50 Hz - 60 Hz                                                                                                                                                                                                                      |
| Product dimensions      | 440 x 362 x 151 mm (Width x Depth x Height)                                                                                                                                                                                                          |
| Product weight          | 9.2 kg                                                                                                                                                                                                                                               |
| Noise Level             | Normal:36 dB (A) - Economy:26 dB (A)                                                                                                                                                                                                                 |
| Supported Temperature   | Storage -10° C - 60° C                                                                                                                                                                                                                               |
| Supported Humidity      | Operation 20% - 80%, Storage 10% - 90%                                                                                                                                                                                                               |
| Options                 | Air filter, Camera module, Ceiling mount, Document camera, External Speaker, HDBaseT Transmitter, Safety wire set, Suspension adapter, WP System - ELPWP20                                                                                           |
| Loudspeaker             | 10 Watt                                                                                                                                                                                                                                              |
| Room Type / Application | Large Meeting Room/Boardroom, Gaming, Auditorium, Meeting room / Classroom, Projection Mapping, Rental / Staging, Signage / Retail, Sports, Visitor Attraction                                                                                       |
| Positioning             | Ceiling Mounted, Desktop                                                                                                                                                                                                                             |
| Colour                  | White                                                                                                                                                                                                                                                |
| TCO Certified           | For further information relating to TCO Certified please visit <a href="https://tcocertified.com/files/certification/Information-document-for-end-users.pdf">https://tcocertified.com/files/certification/Information-document-for-end-users.pdf</a> |

|          |                                                             |
|----------|-------------------------------------------------------------|
| OTHER    |                                                             |
| Warranty | 36 months Carry in<br>Optional warranty extension available |

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## OPTIONAL ACCESSORIES

- Cable Cover - ELPCC07W-White - L6/7/89x Series  
V12H003AP0
- Cable Cover - ELPCC07B-Black - L6/7/89x Series  
V12H003AQ0
- Air Filter - ELPAF65 - L6/7/89x Series  
V13H134AF0
- Ceiling Mount (White) - ELPMB22  
V12H003B22
- Ceiling Mount (Low profile) - ELPMB30  
V12H526040
- Ceiling Pipe (700mm) - ELPFP14  
V12H003P14
- Ceiling Pipe (450mm) - ELPFP13  
V12H003P13
- Safety Wire - ELPWR01  
V12H003W01
- Active Speakers (2 x 15W) - ELPSP02  
V12H467040DA

## LOGISTICS INFORMATION

|                   |               |
|-------------------|---------------|
| SKU               | V11HB30040    |
| EAN code          | 8715946737997 |
| Country of Origin | Philippines   |
| Layer             | 2 Units       |
| Layer Block       | 2 Units       |

## Wireless Presentation Systems

- Epson ELPWP20 - Wireless Presentation System  
V12HA42040

## Visualizers

- ELPDC07  
V12H759040
- ELPDC13  
V12H757040DA
- ELPDC21  
V12H758040DA
- ELPDC30  
V12HB09080



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