# EPSON®

# PowerLite® L690SU

6,200-Lumen Short Throw WUXGA
3LCD Laser Projector

**This incredibly compact projector delivers larger-than-life images with a short 0.8 – 1.36 throw ratio.**

3LCD

LASER LIGHT SOURCE

**Bright, true-to-life images** — 3-chip 3LCD technology and 6,200 lumens of equal color and white brightness[1]

**Full HD WUXGA resolution** — accepts up to 4K signal and provides 1920 x 1200 resolution for vibrant, high-definition images

**Short throw lens with powerful optical zoom** — with a 0.8 to 1.36 throw ratio and 1.7x optical zoom, achieve large images from a close distance; perfect for filling walls while avoiding shadows

**Large, versatile display options** — easily create a display up to 400" diagonal in 16:10, plus ultra wide 16:6 and 21:9 aspect ratios for enhanced content display and visibility

**Simplified installation** — compact and lightweight design featuring a wide vertical and horizontal lens shift, 1.7x optical zoom, 360-degree mounting, built-in geometric correction tools and a universal VESA mounting pattern

**Low maintenance** — up to 30,000-hour laser light source and air filter[2] in Extended Mode

**Wireless networking and content sharing[3]** — reliable wireless connectivity for screen casting[3], along with direct connection to the cloud-based service, Epson Projector Management Connected and WPA3-Enterprise security

**Built-in NFC[4]** — reduces installation time of multiple projectors; read and write setting information using the Epson Projector Config Tool app

**Optional attachable PixAlign™ camera** — adds powerful multi-projector tools including screen matching[5], auto color calibration[5], blending assist[6] for super wide displays and simple stacking[6] without an external PC

**Over-the-air updates[7]** — allows user to optionally be alerted when a Firmware update is available

**Enhanced connectivity** — HDBaseT® and HDMI® two in and one out for daisy-chaining and signal monitoring

## Specifications

**Projection System** RGB liquid crystal shutter projection system
**Projection Method** Front/rear/ceiling mount
**LCD Size** 0.67" (C2fine)
**Driving Method** Poly-Silicon TFT Active Matrix
**Pixel Number** 2,304,000 dots (1920 x 1200) x 3
**Native Resolution** 1920 x 1200 (WUXGA)
**Resolution On-Screen** 1920 x 1200 (WUXGA)
**Resize** 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050
**Aspect Ratio** Supports 4:3, 16:10, 16:9*, 16:6*, 21:9*
\* With vertical image shift control within letterbox area.
**Pixel Arrangement** Cross stripe
**Color Brightness**[1] Color light output: 6,200 lumens
**White Brightness**[1] White light output: 6,200 lumens
**Contrast Ratio** Up to 5,000,000:1
**Brightness Uniformity (Typical)** 88%
**Color Reproduction** Up to 1.07 billion colors
**Size (Projected Distance)** 60" – 400"
**Projected Distance** 80" screen 1.38 m
**Lens Shift** Vertical: ±50%; Horizontal: ±20%
**Keystone Correction** Vertical: ±30 degrees;
Horizontal: ±30 degrees
**Light Source** Laser Diode
**Light Source Life**[2] Normal: 20,000 hours; Quiet: 20,000 hours;
Extended: 30,000 hours

### Projection Lens (Short Throw)

**Type** Optical Zoom (manual)/Focus (manual)/Corner focus (manual)
**F-Number** 1.7 – 2.1
**Focal Length** 11.6 mm – 19.9 mm
**Zoom Ratio** 1.0 – 1.7x (optical)
**Throw Rate Range** 0.8 – 1.36 (optical)
**Lens Cover** Lens cap (without string)

### Wireless Specifications

**Frequency Type (Modulations)** 802.11 b/g/n/ac/ax (2.4 GHz)
**Supported Security Type** Quick Mode: Open, WPA2/WPA3-PSK, WPA2/WPA3-EAP: Advanced Mode: WPA2/WPA3-PSK, WPA2/WPA3-EAP

### Other Features

**Operating Temperature** 32 °F to 113 °F (0 °C to 45 °C)
**Power Supply Voltage** 100 V – 240 V ± 10%, 50/60 Hz AC
**Auto Power On** Signal Detection on HDMI/Plug-In Detection (HDMI, USB, VGA 15-Pin, BNC)
**Sleep Mode** Yes (with timer)
**HDMI CEC Control** Yes
**Power Consumption**
415 W (Normal Mode)
305 W (Quiet and extended)
2.4 W (Standby comm on)
0.3 W (Standby comm off)
**Fan Noise** 38 dB (Normal Mode); max. 27 dB (ECO Mode)
**Security** Security cable hole, Kensington® lock provision
**A/V Mute** Yes
**Speaker(s)** 10 W (mono)
**Miracast®**[3] Yes
**Epson iProjection™**[3] Yes (V4)
**Split Screen**[8] Yes (up to 2 screens)

## Interfaces

HDMI (HDCP 2.3) x 2
HDMI Out x 1
VGA x 2
HDBaseT x 1
Variable Audio Out: Mini Stereo x 1
USB Connector Type-A x 1
USB Connector Type-B x 1
Serial: RS-232c x 1
Wired LAN RJ45 x 1
Wireless LAN: Built-in

### Other Features (Continued)

**Corner Wall** Yes
**Curved Surface** Yes
**Camera** Yes
**Content Playback** Yes
**Quick Corner** Yes
**Arc Correction** Yes
**Edge Blending** Yes
**Screen Sharing** Yes

### Effective Scanning Frequency Range (Digital)

**Pixel Clock** 25.1 MHz to 594 MHz
**Horizontal** 26 kHz to 135 kHz
**Vertical** 23.98/24/25/29.97/30/50/59.94/60 Hz

### Dimensions (W x D x H)

**Excluding Feet** 17.32" x 11.97" x 4.80"
**Including Feet** 17.32" x 14.25" x 5.94"
**Weight** 22 lb

### Network and Remote Control

**Features** Power, source search selection, A/V Mute, number input, menu, esc, select, Freeze, ID, Customize, E-Zoom, mute, volume, playback control and pointer functions
**Operating Angle** Rear: Right/Left: -55 to +55 degrees; Upper/Lower: +75 to +15 degrees; Front: Right/Left: -30 to +30 degrees; Upper/Lower: 0 to +60 degrees
**Operating Distance** 26 ft (8 m)
**Network Control** PJLink, Creston Integrated partner, Crestron Connected V2 with XiO Cloud, Extron IP link, Extron XTP, AMX, Control4

### Eco Features

RoHS compliant
End-of-life options available[9]
Epson America, Inc. is a SmartWay® Transport Partner[10]
Design and Manufacturing centers utilize 100% renewable electricity
Dynamic Contrast (ECO) Mode reduces power consumption by 36%

### Limited Warranty and Service

**Warranty** Three-year limited in the U.S. and Canada
**Service** Whole unit exchange, usually Next-Business-Day
Toll-free telephone support, Monday through Friday
**Epson Connection™**
Pre-Sales Support (U.S. and Canada): 800-463-7766
Website: www.epson.com

### Epson Preferred Plus™ Extended Service Plan[11]

| | |
|---|---|
| 1-Year Next-Business-Day Whole Unit Exchange[12] | EPPEXPE1 |
| 2-Year Next-Business-Day Whole Unit Exchange[12] | EPPEXPE2 |

(available for up to a total of 5 years of continuous coverage)

### What's Included

PowerLite® L690SU projector, power cable, projector remote control with batteries, Quick Setup sheet, cable cover and Quick Setup poster

### Ordering Information & Accessories

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|---|---|
| PowerLite® L690SU | V11HB31020 |
| Replacement Air Filter (ELPAF65) | V13H134AF0 |
| Universal Projector Mount (ELPMBPJG) | V12H808001 |
| Custom Micro-Adjustable Projector Mount (ELPMBPRH) | V12H809001 |
| PowerLite Pilot™ 3 (ELPCB03) | V12H927020 |
| PixiePlus | ELPSP10 |
| External Speaker (ELPSP02) | V12H467020 |
| DC-07 Document Camera | V12H759020 |
| DC-13 Document Camera | V12H757020 |
| DC-21 Document Camera | V12H758020 |
| PixAlign Camera (ELPEC01) | V12HA46010 |

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1 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | 2 No required maintenance for the light source and filter for up to 30,000 hours (Extended Mode) or 20,000 hours (Normal Mode). 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 environment. Replacement of parts other than the light source may be required in a shorter period. | 3 The projector supports direct peer-to-peer wireless casting of local content from Miracast-enabled devices or via the Epson iProjection app. For best performance when using Epson iProjection, it is recommended that the projector and connecting devices be configured on a network, either through the Ethernet port on the projector or via a wireless connection. The Epson iProjection App does not support all files and formats. See epson.com/iprojection for details. | 4 NFC requires use of a device that includes NFC and may require additional software. | 5 Using separate camera for each projector. | 6 Requires Epson external camera for each projector and may require Epson Projector Professional Tool app. | 7 Requires an active Internet connection for alerts and Firmware download. | 8 Split Screen feature requires remote control. Consult your user manual for input combinations. | 9 For convenient and reasonable recycling options, visit epson.com/recycle | 10 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | 11 Product comes with a 3-year limited warranty with the option to purchase Extended Service Plans up to a total of 5 years of continuous coverage. Extended Service Plan can be purchased at any time that you are covered under an Epson limited warranty or Epson Extended Service Plan. See individual service plan for details. | 12 Expedited shipping not available in all areas. Orders must be placed and processed by 1 p.m. Pacific Time, Monday through Friday, excluding holidays.

See the latest innovations from Epson Business Solutions at **epson.com/forbusiness**

**SmartWay** Transport Partner
*Getting There With Cleaner Air*

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