

L790SE

7,000-Lumen Short Throw 3LCD
Laser Projector with 4K Enhancement



The exceptionally bright short throw laser display with a 0.79 – 1.36 throw ratio and 4K Enhancement.



Ultra bright, true-to-life images — 3-chip 3LCD technology and 7,000 lumens of equal color and white brightness²

WUXGA with 4K Enhancement Technology¹ — accepts 4K content and displays double HD video resolution on-screen; enjoy a visibly sharper, more detailed picture even at close viewing distances

Achieve large displays from a short distance — with a 0.79 – 1.36 throw ratio and a powerful 1.7x optical zoom, fill walls with large, shadow-free images—up to 400" diagonal in standard 16:10; also supports ultra wide 16:6 and 21:9 formats for wider visuals in low-ceiling spaces

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 filter³ in Extended Mode

Wireless networking and content sharing⁴ — Wi-Fi® 6/6E allows for fast, reliable wireless connectivity for screen casting⁴, along with direct connection to the cloud-based service, Epson Projector Management Connected and WPA3-Enterprise security

Works with Apple® AirPlay® 2 — wirelessly stream videos, music, photos and presentations to your projector right from your iPhone®, iPad® or Mac®⁵

Built-in NFC⁶ — 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 matching⁷, auto color calibration⁷, blending assist⁸ for super wide displays and simple stacking⁸ without an external PC

Over-the-air updates⁹ — 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 WUXGA with 4K Enhancement¹ (1920 x 1200 x2)
Resolution On-Screen WUXGA with 4K Enhancement¹/ 4.6 million pixels
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 Brightness² Color light output: 7,000 lumens
White Brightness² White light output: 7,000 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 Life³ 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 0.79 – 1.36 (optical)
Lens Cover Lens cap (without string)

Wireless Specifications

Frequency Type (Modulations) 802.11 b/g/n/ac/lax (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
 470 W (Normal Mode)
 341 W (Quiet and extended)
 2.4 W (Standby comm on)
 0.3 W (Standby comm off)
Fan Noise 36 dB (Normal Mode); max. 26 dB (ECO Mode)
Security Security cable hole, Kensington® lock provision

Interfaces

HDMI (HDCP 2.3) x 2
 HDMI Out x 1
 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)

A/V Mute Yes
Speaker(s) 10 W (mono)
Miracast^{®4} Yes
Epson iProjection^{™4} Yes (V4)
Apple Airplay 2⁵ Yes
Split Screen¹⁰ Yes (up to 2 screens)
Content Playback Yes
Quick Corner Yes
Arc Correction Yes
Edge Blending Yes
Screen Sharing Yes
Corner Wall Yes
Curved Surface Yes
Camera Optional

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 20.5 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®, Crestron® Integrated partner, Crestron Connected V2 with XiO Cloud, Extron® IP link, Extron XTP, AMX®, Control4®

Eco Features

RoHS compliant
 End-of-life options available¹¹
 Epson America, Inc. is a SmartWay® Transport Partner¹²
 Design and Manufacturing centers utilize 100% renewable electricity
 Dynamic Contrast (ECO) Mode reduces power consumption by 36%



L790SE White

Limited Warranty and Service

Warranty Three-year limited in India

1 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | 2 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. | 3 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. | 4 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. | 5 AirPlay requires an active Internet connection and Firmware version V200 or higher. To download the latest Firmware, please visit the support page for your specific product on www.epson.com | 6 NFC requires use of a device that includes NFC and may require additional software. | 7 Using separate camera for each projector. | 8 Requires Epson external camera for each projector and may require Epson Projector Professional Tool app. | 9 Requires an active Internet connection for alerts and Firmware download. | 10 Split Screen feature requires remote control. Consult your user manual for input combinations. | 11 For convenient and reasonable recycling options, visit epson.com/recycle | 12 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | 13 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. | 14 Expedited shipping not available in all areas. Orders must be placed and processed by 1 p.m. Pacific Time, Monday through Friday, excluding holidays.

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