

# PowerLite<sup>®</sup> L770U 3LCD Laser Projector with 4K Enhancement<sup>1</sup>



## Deliver brilliant displays with remarkable brightness and 4K Enhancement<sup>1</sup>.

**Ultra bright, true-to-life images** — Best-in-Class Color Brightness<sup>2</sup> with 3-chip 3LCD technology and 7,000 lumens of color and white brightness<sup>3</sup>

**4.6 million pixels on screen** — WUXGA with 4K Enhancement<sup>1</sup> provides a visibly smoother and sharper display, even at close viewing distances; accepts 4K content

**Virtually maintenance-free** — 20,000-hour laser light source and air filter<sup>4</sup>

**Large, ultra wide display** — display images up to 500" diagonal either in standard 16:10 and 16:9 or in ultra wide 16:6 and 21:9 for immersive video conferencing

**Streamlined installation** — wide lens shift, 1.6x optical zoom, built-in edge blending and geometric correction tools via on-screen menu or Epson<sup>®</sup> Professional Projector Tool software setup application for Windows<sup>®</sup> and macOS<sup>®</sup>

**Versatile connectivity options** — HDBaseT<sup>®</sup>, 2x HDMI<sup>®</sup> inputs, HDMI output, RJ-45, RS-232 and control management tools

**Simplified operation and content sharing** — auto power-on, split screen<sup>5</sup>, screen sharing with Epson iProjection<sup>™6</sup> and optional wireless networking with the ELPAP11 adapter

**Customizable brightness modes** — set the projector to maintain a consistent brightness level over time, or set the brightness to Extended to help maximize the life of the laser light source

**Optional PixAlign<sup>™</sup> camera** — adds powerful multi-projector tools; blending assist for super-wide displays; simple stacking without an external PC; screen matching and auto color calibration

**Easily programmable with the built-in media player and content creation app<sup>7</sup>** — includes templates, effects, color filters and customizable options; playlist and playback functions allow for seamless content management directly or via the network



**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) 4KE<sup>1</sup>  
**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**<sup>3</sup> Color Light Output: 7,000 lumens  
**White Brightness**<sup>3</sup> White Light Output: 7,000 lumens  
**Contrast Ratio** Up to 2,500,000:1  
**Brightness Uniformity (Typical)** 86%  
**Color Reproduction** Up to 1.07 billion colors  
**Size (Projected Distance)** 50" – 500"  
**Projected Distance** 80" screen 2.33 m – 3.78 m  
**Lens Shift (Manual)** Vertical: ±50%; Horizontal: ±20%  
**Keystone Correction** Vertical: ±30 degrees;  
 Horizontal: ±30 degrees  
**Light Source** Laser Diode  
**Laser Light Source Life**<sup>4</sup> Normal: 20,000 hours; Quiet: 20,000 hours; Extended: 30,000 hours

**Projection Lens (Standard)**

**Type** Optical Zoom (manual)/Focus (manual)  
**F-Number** 1.5 – 1.7  
**Focal Length** 20.0 mm – 31.8 mm  
**Zoom Ratio** 1.00 – 1.6x (optical)  
**Throw Rate Range** 1.35 – 2.20 (optical)  
**Lens Cover** Lens cap (without string)

**Other**

**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  
**Sleep Mode** Yes (with timer)  
**HDMI CEC Control** Yes  
**Power Consumption**  
 382W (Normal)  
 285W (Quite)  
 275W (Extended)  
 2.0W Standby (Communication on)  
 0.5W Standby (Communication off)  
**Fan Noise** 31 dB (Normal Mode); max. 23 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 RJ-45 x 1



**Other (Continued)**

**Split Screen**<sup>5</sup> Yes (Up to 2 screens)  
**A/V Mute** Yes  
**Camera** Yes  
**Speaker(s)** 10 W (mono)  
**Content Playback** Yes  
**Quick Corner**<sup>6</sup> Yes  
**Corner Wall** Yes  
**Curved Surface** Yes  
**Edge Blending** Yes  
**Screen Sharing** Yes

**Effective Scanning Frequency Range (Digital)**

**Pixel Clock** 25.1 MHz – 594 MHz  
**Horizontal** 26 kHz – 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 12.59" x 5.35"  
**Weight** 19.1 lb

**Remote Control**

**Features** Source Search, HDMI, USB, Computer, LAN, Power, Aspect, Color Mode, Volume, E-Zoom, A/V Mute, Freeze, Menu, Home, Auto, Enter, Esc, Default  
**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** 19.7 ft (6 m)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>8</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>9</sup>

**Support**

**Epson Connection**<sup>SM</sup>  
 Pre-sales support: U.S. and Canada 800-463-7766  
 Internet website: www.epson.com

**Service Programs**

The projector has a limited warranty of 3 years. Epson Road Service program with free Next-Business-Day replacement<sup>10</sup>, PrivateLine<sup>®</sup> dedicated toll-free support (U.S. and Canada only)

**What's Included**

PowerLite L770U laser projector, power cable, computer cable (HDMI), projector remote control with batteries, Quick Reference card, cable cover

**Ordering Information**

PowerLite L770U	V11HA96020
Replacement Air Filter (ELPAF56)	V13H134A55
Wireless LAN Adapter (ELPAP11)	V12H005A02
Custom Micro-Adjustable Mount (ELPMBPRH)	V12H809001
Universal Projector Mount (ELPMBPJG)	V12H808001
PowerLite Pilot™ 3 (ELPCB03)	V12H927020
Pixie Plus	ELPSP10
External Camera	V12HA46010
External Speaker (ELPSP02)	V12H467020
DC-07 Document Camera	V12H759020
DC-13 Document Camera	V12H757020
DC-21 Document Camera	V12H758020
1-Year Extended Service Plan	EPPEXPE1
2-Year Extended Service Plan	EPPEXPE2

<sup>1</sup> 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | <sup>2</sup> Color brightness measured per IDMS 15.4. Additional colors and picture modes tested. Top-selling Epson 3LCD projectors vs. comparable top-selling 1-chip DLP projectors based on NPD sales data for October 2019 – September 2020. COLOR BRIGHTNESS WILL VARY BASED ON USAGE CONDITIONS. | <sup>3</sup> 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. | <sup>4</sup> No required maintenance for the light source and filter up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 – 0.20 mg/m<sup>3</sup> 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. | <sup>5</sup> Consult your user manual for Split Screen input combinations. | <sup>6</sup> For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See www.epson.com for details. | <sup>7</sup> Internet connection required for download. Data usage fee may apply. | <sup>8</sup> For convenient and reasonable recycling options, visit www.epson.com/recycle | <sup>9</sup> SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | <sup>10</sup> Expedited shipping not available in all areas. Road Service orders must be placed and processed by 3 p.m. Eastern Time for Next-Business-Day delivery.

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