

# Pro L1405U Laser WUXGA 3LCD Projector with 4K Enhancement

Projectors

Large Venue



## Bright large-venue laser projector with virtually maintenance-free operation.

**One measurement of brightness is not enough** — look for both high color brightness and high white brightness. The Pro L1405U has:

**Color Brightness:** 8,000 lumens<sup>1</sup>

**White Brightness:** 8,000 lumens<sup>1</sup>

**Exceptional Full HD widescreen display** — native WUXGA (1920 x 1200) with 4K Enhancement<sup>2</sup> for presentations, videos, digital signage and more

**Solid-state laser light source** — designed with inorganic components for up to 20,000 hours of virtually maintenance-free operation<sup>3</sup>

**Industry-leading service and support** — limited warranty of 3 years or 20,000 hours, whichever comes first, plus free next-business-day replacement<sup>4</sup> with postage-paid returns

**Epson<sup>®</sup> 4K Enhancement Technology<sup>2</sup>** — a revolutionary technology that accepts 4K signal and enhances 1080p for output that surpasses Full HD image quality

**Nine optional interchangeable lenses** — with powered lens shift and lens memory, including an ultra short-throw lens for shallow spaces (one lens included)

**Reliable 24/7 operation** — ideal for applications requiring continuous projection

**Dynamic projection capabilities** — advanced built-in Edge Blending, image warping and curved-surface correction technologies for a variety of applications

**Seamless integration tools** — compatibility with Crestron<sup>®</sup> RoomView<sup>®</sup>, AMX<sup>®</sup>, Extron<sup>®</sup> XTP<sup>®</sup>, Control4<sup>®</sup> and Art-Net Lighting Control systems



**Specifications**

**Projection System** High-aperture Epson 3LCD, 3-chip technology  
**Projection Method** Front/rear/ceiling mount  
**Driving Method** Poly-silicon TFT Active Matrix  
**Pixel Number** 2,304,000 dots (1920 x 1200) x 3  
**Native Resolution** 1920 x 1200 (WUXGA)  
**Resize** 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050  
**Aspect Ratio** Supports 4:3, 16:9, 16:10  
**Pixel Arrangement** Cross stripe  
**Color Brightness<sup>1</sup>** Color Light Output: 8,000 lumens  
**White Brightness<sup>1</sup>** White Light Output: 8,000 lumens  
**Contrast Ratio** 2,500,000:1 AbsoluteBlack™ (Full White 8,000 lm / Full Black 0 lm)  
**Brightness Uniformity (typical)** 90%  
**Color Reproduction** Up to 1 billion colors  
**Size (projected distance)** 50" – 300"  
**Lens Shift** Vertical: ±67%; horizontal: ±30%  
**Keystone Correction**  
 Vertical: ±45 degrees;  
 horizontal: ±30 degrees  
**Illumination Technology** Laser Phosphor  
**Light Source Life<sup>3</sup> (Normal)** 20,000 hours

**Projection Lens (Standard)**

See website for information on optional lenses.  
**Type** Powered shift/focus/zoom  
**F-number** 1.7 – 2.3  
**Focal Length** 24.0 mm – 38.2 mm  
**Zoom Ratio** Optical zoom 1 – 1.6x  
**Throw Ratio Range** 1.45 – 2.32

**Other Features**

**Operating Temperature** 32° to 113°F (0° to 45°C)  
**Power Supply Voltage** 100 – 240 V ±10%, 50/60 Hz AC  
**Power Consumption**  
 658 W (Normal Mode)  
 434 W (ECO Mode)  
 2.3 W Standby (Communication on)  
 0.22 W Standby (Communication off)  
**Fan Noise**  
 35 dB (Normal Mode); max.  
 29 dB (ECO Mode)  
**Security** Security cable hole, lens lock, Kensington lock provision

**Effective Scanning Frequency Range**

**Pixel Clock** 13.5 MHz – 162 MHz (up to UXGA 60 Hz)  
**Horizontal** 15 kHz – 92 kHz  
**Vertical** 50 Hz – 85 Hz

**Interfaces**

3G-SDI x 1  
 DVI-D x 1  
 HDMI x 1  
 HDBaseT x 1  
 5-BNC, VGA x 1  
 Audio in: Mini Stereo x 3  
 Variable audio out: Mini Stereo x 1  
 USB connector Type B x 1: For wireless only  
 USB connector Type A x 1: For wireless only  
 Monitor out: Mini D-sub 15 pin x 1  
 Serial: RS-232c x 1

**Video I/O**

**Display Performance** NTSC: 480 line, PAL: 576 line (depends on observation of the multi-burst pattern)  
**Input Signal** NTSC/NTSC4.43/PAL/M-PAL/N-AL/PAL60/SECAM/480i/576i/480p/576p/720p/1080i/1080p  
**Pixelworks<sup>®</sup>** Video chip 3D Y/C separation, noise reduction, motion compensated, Interface-Progressive conversion (2-2, 3-2 film detection)

**Dimensions (W x D x H)**

**Including Feet, Lens** 23.1" x 19.4" x 8.3"  
**Weight** 42.4 lb without lens

**Remote Control**

**Features** Power, source search selection, lens shift, zoom, focus, test pattern selection, A/V Mute, freeze, user ID, auto, aspect, color mode, number, page up and down, E-zoom, volume, help, menu, enter, esc and pointer functions  
**Operating Angle**  
 Right/left: Front: ± 60 degrees; rear: ± 30 degrees  
 Upper/lower: Front: ± 45 to ± 15 degrees;  
 rear: ± 10 to ± 50 degrees  
**Operating Distance** 49 ft

**Eco Features**

RoHS compliant  
 Recyclable product<sup>6</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>6</sup>

**Support**

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

**Service Programs**

The projector has a limited warranty of 3 years or 20,000 hours, whichever comes first. Epson Road Service program with free Next-Business-Day replacement<sup>4</sup>, PrivateLine<sup>®</sup> dedicated toll-free support (U.S. and Canada only)



**What's in the Box**

Pro L1405U projector, a lens, power cable, computer cable (VGA), projector remote control with batteries, user manual CD, EasyMP<sup>®</sup> software CD, Quick Setup Sheet and lens lock screw

**Ordering Information**

Pro L1405U	V11H739120
Replacement air filter (ELPAF51)	V13H134A51
Ultra short-throw zoom lens	V12H004X01
Short-throw #1 zoom lens	V12H004U03
Short-throw #2 zoom lens	V12H004U04
Wide-throw #1 zoom lens	V12H004W05
Wide-throw #2 zoom lens	V12H004W06
Middle-throw #1 zoom lens	V12H004M08
Middle-throw #2 zoom lens	V12H004M09
Middle-throw #3 zoom lens	V12H004M0A
Middle-throw #4 zoom lens	V12H004M0B
Long-throw zoom lens	V12H004L08
Epson ceiling mount - low ceilings (ELPMB47)	V12H802010
Epson ceiling mount - high ceilings (ELPMB48)	V12H803010
False ceiling plate kit	ELPMBP02
Kensington security lock	ELPSL01
Distribution amplifier	ELPDA01
HDBaseT transmitter (ELPHD01)	V12H547020
Wireless LAN module (ELPAP10)	V12H731P02
1-year extended warranty	EPPEXPB1
2-year extended warranty	EPPTPB2

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 4K Enhancement Technology shifts each pixel diagonally by 0.5 pixels to double the resolution and surpass Full HD image quality. | 3 20,000 hours is the estimated projector life when used in Normal Mode. Actual hours may vary depending on mode and usage environment. The projector has a limited warranty of 3 years or 20,000 hours, whichever comes first. | 4 Expedited shipping not available in all areas. Road Service orders must be in by 3 p.m. Eastern Time for Next-Business-Day delivery. | 5 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 6 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

See the latest innovations from Epson Business Solutions at [www.epson.com/forbusiness](http://www.epson.com/forbusiness)

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