

# PowerLite<sup>®</sup> 109W WXGA 3LCD Projector

Projectors

Education

**Ultra bright**  
4,000 lumens color/  
white brightness<sup>1</sup>



## Widescreen classroom projector with enhanced connectivity and audio.

**Remarkable color accuracy** — up to 3x Higher Color Brightness<sup>2</sup> and up to 3x Wider Color Gamut<sup>3</sup> with Epson<sup>®</sup> over 1-chip DLP projectors

**More accurate, vivid color, even in well-lit rooms** — 4,000 lumens of equal color and white brightness<sup>1</sup>

**Brilliant, widescreen image quality** — native WXGA (1280 x 800) resolution; 16:10 format

**Long-lasting, low-cost lamps** — up to 12,000 hours in ECO Mode<sup>4</sup>

**Enhanced wireless display technology** — connect up to 50 Chromebook<sup>™</sup>, Mac<sup>®</sup>, PC, iOS<sup>®</sup> and Android<sup>™</sup> devices, and simultaneously display up to four screens, with Epson iProjection<sup>™5</sup> (wireless module sold separately)

**Two-way content sharing** — teachers can push content from the projector to wirelessly connected devices and control which device screens to display; students can make notes and send their work back to the projector<sup>5</sup>

**Advanced network control** — RJ-45 and optional wireless connectivity for remote projector management, presentations over the network, and more

**Flexible, easy setup** — 1.2x optical zoom, ±30 degrees vertical and horizontal keystone correction, Easy-Slide control and Quick Corner<sup>®</sup>

**2x HDMI<sup>®</sup>** — connect multiple A/V devices; includes 1x MHL-enabled port<sup>6</sup>

**Powerful, engaging sound** — includes a built-in 16 W speaker and microphone input; or, use external speakers, even in Standby Mode



**Specifications**

**Projection System** 3LCD, 3-chip technology  
**Projection Method** Front/rear/ceiling mount  
**Driving Method** Poly-silicon TFT Active Matrix  
**Pixel Number** 1,024,000 dots (1280 x 800) x 3  
**Color Brightness<sup>1</sup>** Color Light Output: 4,000 lumens  
**White Brightness<sup>1</sup>** White Light Output: 4,000 lumens  
**Aspect Ratio** 16:10  
**Native Resolution** 1280 x 800 (WXGA)  
**Resize** 640 x 480 (VGA), 800 x 600 (SVGA), 1024 x 768 (XGA), 1280 x 960 (SXGA2), 1280 x 1024 (SXGA3), 1366 x 768 (WXGA60-3), 1400 x 1050 (SXGA+), 1440 x 900 (WXGA+), 1680 x 900 (WXGA++), 1600 x 1200 (UXGA60)  
**Lamp Type** 210 W UHE  
**Lamp Life<sup>4</sup>**  
 ECO Mode: Up to 12,000 hours  
 Normal Mode: Up to 6,000 hours  
**Size (Projected Distance)** 33" to 320" (0.84 to 8.13 m) (Zoom:Wide)  
**Keystone Correction**  
 Vertical: ± 30 degrees (Automatic)  
 Horizontal: ± 30 degrees (Slider)  
**USB Plug 'n Play** Projector is compatible with PC and Mac computers  
**Contrast Ratio** Up to 15,000:1  
**Color Reproduction** Up to 1.07 billion colors

**Projection Lens**

**Type** Manual focus  
**F-number** 1.49 – 1.72  
**Focal Length** 16.9 – 20.28 mm  
**Throw Ratio Range** 1.30 (Zoom:Wide), 1.56 (Zoom:Tele)  
**Zoom Ratio** Optical zoom 1.0 – 1.2

**Other**

**Display Performance** NTSC: 480 lines PAL: 576 lines (Depends on observation of the multi-burst pattern)  
**Input Signal** NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM  
**Speaker** 16 W (mono)  
**Operating Temperature** 41 ° to 95 °F (5 ° to 35 °C)  
**Power Supply Voltage** 100 – 240 V AC ±10%, 50/60 Hz  
**Power Consumption**  
 ECO Mode: 237 W  
 Normal Mode: 326 W  
 Standby (Communication On): 2.0 W  
 Standby (Communication Off): 0.2 W  
**Fan Noise**  
 ECO Mode: 28 dB  
 Normal Mode: 37 dB  
**Security** Kensington-style lock provision, padlock and security anchor bar

**Interfaces**

1x USB-A  
 1x USB-B  
 1x LAN  
 1x HDMI  
 1x HDMI/MHL®  
 2x Computer/Component  
 1x Video  
 1x RS-232c  
 1x Stereo Mini-jack (Mic)  
 1x Monitor Out  
 Audio 1 & 2  
 Audio L & R  
 1x Audio Out  
 Wireless LAN port: 802.11 b/g/n (optional – module sold separately)

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

**Including Feet** 11.6" x 9.7" x 3.5"  
**Excluding Feet** 11.6" x 10.2" x 3.4"  
**Weight** 6.17 lb (2.8 kg)

**Remote Control**

**Features** AV Mute, Freeze, Split, Aspect, Color Mode, Auto, MHL Menu, Volume  
**Operating Angle**  
 Right/left: ± 30 degrees  
 Upper/lower: ± 15 degrees  
**Operating Distance** 19.7' (6 m)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>7</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>8</sup>



**Support**

**Epson Connection<sup>SM</sup>**  
 Pre-sales support (U.S. and Canada): 800-442-1977  
 Internet website: [www.epson.com](http://www.epson.com)  
**Service Programs** 2-year projector limited warranty, Epson Road Service program, PrivateLine® dedicated toll-free support and 90-day lamp limited warranty

**What's in the Box**

PowerLite 109W projector, power cord, computer cable (VGA), projector remote control, batteries, user manual CD, Software CD, Quick Setup Sheet, warranty card, password protect sticker

**Ordering Information**

PowerLite 109W Projector	V11H861020
Genuine Epson Lamp (ELPLP96)	V13H010L96
Replacement Air Filter (ELPAF32)	V13H134A32
Wireless LAN Module (ELPAP10)	V12H731P02
Quick Connect USB Key (ELPAP09)	V12H005M09
Soft Carrying Case (ELPKS70)	V12H001K70
DC-21 Document Camera	V12H758020
DC-13 Document Camera	V12H757020
DC-07 Document Camera	V12H759020

<sup>1</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>2</sup> Color brightness (color light output) in brightest mode, measured by a third-party lab in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. Top-selling Epson 3LCD projectors versus top-selling 1-chip DLP projectors based on PMA Research sales data for Dec. 2015 through Nov. 2016. | <sup>3</sup> Gamut volume in brightest mode, measured by a third-party lab in 3D in the CIE L\*a\*b\* coordinate space. Top-selling Epson 3LCD projectors versus top-selling 1-chip DLP projectors based on PMA Research sales data for Dec. 2015 through Nov. 2016. | <sup>4</sup> Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | <sup>5</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](http://www.epson.com) for details. | <sup>6</sup> Includes one Mobile High-Definition Link® (MHL) HDMI port. | <sup>7</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>8</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.

Learn more about how our products can empower your institution. Visit us at [www.epson.com/foreducation](http://www.epson.com/foreducation)

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