

PowerLite[®] 109W WXGA 3LCD Projector

Ultra bright
4,000 lumens color/
white brightness¹



Widescreen classroom projector with enhanced connectivity and audio.

Remarkable color accuracy — up to 3x Higher Color Brightness² and up to 3x Wider Color Gamut³ with Epson[®] over 1-chip DLP projectors

More accurate, vivid color, even in well-lit rooms — 4,000 lumens of equal color and white brightness¹

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 Mode⁴

Enhanced wireless display technology — connect up to 50 Chromebook[™], Mac[®], PC, iOS[®] and Android[™] devices, and simultaneously display up to four screens, with Epson iProjection^{™5} (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 projector⁵

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[®]

2x HDMI[®] — connect multiple A/V devices; includes 1x MHL-enabled port⁶

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 Brightness¹ Color Light Output: 4,000 lumens
White Brightness¹ 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 Life⁴
 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 product⁷
 Epson America, Inc. is a SmartWay[®] Transport Partner⁸



Support

Epson ConnectionSM
 Pre-sales support (U.S. and Canada): 800-442-1977
 Internet website: 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

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 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. | ³ 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. | ⁴ Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | ⁵ 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. | ⁶ Includes one Mobile High-Definition Link[®] (MHL) HDMI port. | ⁷ For convenient and reasonable recycling options, visit www.epson.com/recycle | ⁸ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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Better Products for a Better Future[™]
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