

# PowerLite® 810E

3LCD Extreme Short Throw Lamp-Free Laser Display with 4K Enhancement<sup>1</sup>



Take classroom and meeting room displays beyond the limits of flat panels.



- Stunning color and impactful image quality with 3-chip 3LCD technology** — virtually glare-free from anywhere in the room, unlike flat panels; 5,000 lumens of color and white brightness<sup>2</sup>
- Astonishingly smooth display with 4K Enhanced resolution<sup>1</sup>** — Epson’s advanced pixel-shifting technology combined with innovative frame interpolation, HDR and scene adaptive gamma image processing provides visibly smooth and more detailed picture quality
- Large, up to 160" diagonal image** — 80" image from just 1" away from the wall or 100" from 4" away; at under 28 pounds, this lightweight projector can deliver an image up to 160" diagonal; 4.5 times larger than a 75" flat panel
- Built-in flexible digital canvas for easy integration** — 16:9 native aspect ratio with additional support for ultra wide 16:6 and 21:9 for equitable conferencing experience in meeting rooms
- Lamp-free technology** — laser diode technology combined with a sophisticated re-engineered cooling system offers up to 30,000 hours of virtually maintenance-free operation<sup>3</sup>
- Fully loaded to support your latest needs** — multiple HDMI® ports, built-in wired/wireless networking, HDBaseT, RS-232c connectivity; dynamic dual speaker sound system to fill virtually any room
- Streamlined setup** — digital zoom and image shifting make image alignment easy for desktop or wall-mounted display; Epson’s Setting Assist app<sup>4</sup> ensures easy installation by automatically smoothing edges and corners
- Complex tasks made easy** — with timesaving tools such as wake on sync; multiple EDID settings with digital image correction for ease of installation for nearly any image size/aspect ratio; built-in media player supports Epson® content management software

## Specifications

**Projection System** RGB liquid crystal shutter projection system

**Driving Method** Poly-silicon TFT active matrix

**Native Resolution** 1080p with 4K Enhancement<sup>1</sup> (1920 x 1080 x 2)

**Resolution on Screen** 1080p with 4K Enhancement<sup>1</sup> (4.1 million pixels)

**Pixel Number:** 2,073,600 pixels (1920 x 1080) x 3 chips

**Color Brightness<sup>2</sup>** Color light output: 5,000 lumens

**White Brightness<sup>2</sup>** White light output: 5,000 lumens

**Aspect Ratio** Supports 16:9\*, 16:10, 4:3, 21:9, 16:6  
\* With vertical image shift control within letterbox area.

**Throw Ratio Range** 0.16 (Zoom: Wide), 0.22 (Zoom: Tele)

**Image Size (Projected Distance)**  
80" to 160" (Zoom wide: 10.9" – 22.7") @16:9  
74" to 148" (Zoom wide: 10.9" – 22.7") @16:10  
66" to 130" (Zoom wide: 10.9" – 22.7") @4:3  
76" to 151" (Zoom wide: 10.9" – 22.7") @21:9  
75" to 148" (Zoom wide: 10.9" – 22.7") @16:6

**Light Source** Laser diode

**Light Source Life<sup>3</sup>**  
Normal Mode: Up to 20,000 hours  
Extended Mode: Up to 30,000 hours

**Dynamic Contrast Ratio** Over 2,500,000:1

**Color Reproduction** Up to 1.07 billion colors

**Manual Keystone Correction/Foot Adjuster**  
Vertical: ±3.6 degrees  
Horizontal: ±.9 degrees

**Display Modes**  
Dynamic  
Presentation  
Cinema  
Natural  
BlackBoard  
DICOM SIM  
Multi-Projection  
Face Brightness

## Projection Lens

**Type** Digital zoom, Focus (manual)

**F-Number** 1.8

**Focal Length** 2.3 mm

**Zoom Ratio** 1 – 1.35 (digital zoom)

## Software

Epson Setting Assist app (Google Play® Store/Apple® App Store®)  
Epson iProjection™  
Epson Projector Management (desktop/connected)  
In addition to compatibility with Epson's standard suite of software, this product has a direct playback function via USB.  
Works with:  
- Epson Projector Content Management software (visit our support pages for the latest version)  
- Epson Creative Projection app

## Interfaces

2x HDMI (HDCP 2.3)  
1x HDBaseT  
1x HDMI (out)  
1x RS-232c Control Port  
1x USB Connector Type A (data/wireless)  
1x USB Connector Type A (for Power Only 5 V 2 A)  
1x USB-B Type (firmware update)  
1x Wired LAN RJ-45

**Wireless Support:**  
Infrastructure and access point - Wi-Fi Direct®:  
IEEE 802.11 b (2.4 GHz): 11 Mbps\* (infrastructure only)  
IEEE 802.11 g (2.4 GHz): 54 Mbps\*  
IEEE 802.11 n (2.4 GHz): 72.2 Mbps\*  
IEEE 802.11 a (5 GHz): 54 Mbps\*  
IEEE 802.11 n (5 GHz): 150.0 Mbps\*  
IEEE 802.11 ac (5 GHz): 325 Mbps\*  
Wi-Fi Certified™ Miracast® R2  
\* Maximum speed and range is achievable when used with same enhanced mode technology. Actual features and performance may vary depending on your computer system, the environment and other factors.

## Compatible Network Control/Management

Microsoft Teams Front Row, PJ-Link Class-2, Art-Net, Crestron Connected, Extron IP Link, Extron XTP, AMX Device Discovery

## Other

**Operating Temperature** 32 °F to 104 °F (0 °C to 40 °C)  
**Storage Temperature:** 14 °F to 140 °F (-10 °C to 60 °C) (10% – 90% humidity, no condensation)

**Power Supply Voltage** 100 V – 240 V AC ± 10%, 50 Hz/60 Hz

**Auto Power On** Signal Detection on HDMI/Plug-in Detection

**Power Consumption**  
Normal Mode: 398 W  
Quiet Mode: 286 W  
Standby Mode: 2.0 W  
Energy-Saving Mode: 0.5 W

**Fan Noise**  
Normal Mode: 35 dB  
Quiet Mode: 26 dB

**Security** Enterprise-level security encryption

**Country of Origin:** Philippines

## Dimensions (W x D x H)

**Projector** 27.4" x 13.5" x 5.7"  
**Weight** 27.6 lb

## Remote Control

**Features**  
Power, A/V Mute, Split, Focus, E-Zoom, Volume, HDMI, LAN, Keystone, Pattern, Menu, Effect, Source Search, USB, Computer, USB Viewer, Color Mode, Default, ID, Aspect, Freeze, User, Home

**Operating Angle**  
Front: Right/Left: -30 to +30 degrees, Upper/Lower: 0 to +60 degrees  
Rear: Right/Left: -55 to +55 degrees, Upper/Lower: +75 to +15 degrees

**Operating Distance** 20 ft (6 m)



**Security Type:**  
**Infrastructure:**  
OPEN  
WPA2/WPA3-PSK  
WPA2/WPA3-EAP

**Supported EAP:**  
PEAP, PEAP-TLS, EAP-TLS, EAP-Fast

**Access Point (Wi-Fi Direct):**  
WPA2-PSK(AES)

## Eco Features

RoHS compliant  
End-of-life options available<sup>5</sup>  
Epson America, Inc. is a SmartWay® Transport Partner<sup>6</sup>

## Support

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

**Service Programs** 3-year projector limited warranty, Epson Road Service Program, dedicated toll-free support (U.S. and Canada only)

## What's Included

PowerLite 810E, Quick Setup Guide, Projector Remote Control, 2x AA Batteries, 6' Power Cord

## Ordering Information

PowerLite 810E	V11HA99020
HDBaseT Transmitter (ELPHD01)	V12H547020
Extreme Short Throw Wall Mount (White) (ELPMB75)	V12HB12010
Wireless LAN Adapter (ELPAP11)	V12H005A02
Replacement Air Filter (ELPAF64)	V13H134AE0
DC-07 Document Camera	V12H759020
DC-13 Document Camera	V12H757020
DC-21 Document Camera	V12H758020
DC-30 Document Camera	V12HB09020
1-Year Extended Service Plan	EPPEXPE1
2-Year Extended Service Plan	EPPEXPE2
100" Ambient Light Rejecting Screen (16:9)	V12H002AL0
120" Ambient Light Rejecting Screen (16:9)	V12H002AM0



Shown with optional wall mount sold separately.

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 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/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. 4 Internet connection required for download. Data usage fee may apply. 5 For convenient and reasonable recycling options, visit 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.

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



**Epson America, Inc.**  
3131 Katella Ave., Los Alamitos, CA 90720

**Epson Canada Limited**  
185 Renfrew Drive, Markham, Ontario L3R 6G3

**www.epson.com**  
**www.epson.ca**

Specifications and terms are subject to change without notice. EPSON and PowerLite are registered trademarks and the EPSON logo is a registered logomark and Epson iProjection is a trademark of Seiko Epson Corporation. Epson Connection is a service mark of Epson America, Inc. Apple and App Store are trademarks of Apple Inc., registered in the U.S. and other countries. Google Play is a trademark of Google LLC. SmartWay is a registered trademark of the U.S. Environmental Protection Agency. Miracast® and Wi-Fi Direct® are registered trademarks and Wi-Fi CERTIFIED™ is a trademark of Wi-Fi Alliance®. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2023 Epson America, Inc. CPD-63575 5/23

## Contact:

