

# 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.

<sup>1</sup> 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. <sup>2</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>3</sup> 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. <sup>4</sup> Internet connection required for download. Data usage fee may apply. <sup>5</sup> For convenient and reasonable recycling options, visit www.epson.com/recycle <sup>6</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.

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