

PowerLite® 810E

3LCD Extreme Short Throw Lamp-Free
Laser Display with 4K Enhancement¹



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 brightness²

Astonishingly smooth display with 4K Enhanced resolution¹ — 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 — a virtually maintenance-free laser light source of up to 30,000 hours³ combined with a sophisticated re-engineered cooling system eliminates the need to ever purchase or replace a lamp again

Fully loaded to support your latest needs — multiple HDMI® ports, built-in wired/wireless networking, HDBaseT®, RS-232c connectivity and Miracast®; 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 Setting Assistant app⁴ ensures easy installation by automatically smoothing edges and corners

Complex tasks made easy — with timesaving tools such as Wake On signal; 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 Enhancement¹ (1920 x 1080 x 2)

Resolution on Screen 1080p with 4K Enhancement¹ (4.1 million pixels)

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

Color Brightness² Color light output: 5,000 lumens

White Brightness² 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) * 21:9 and 16:6 images can be adjusted vertically within the letterbox. When using digital zoom, images can be adjusted vertically and horizontally within the 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") at 16:9

74" to 148" (Zoom Wide: 10.9" – 22.7") at 16:10

66" to 130" (Zoom Wide: 10.9" – 22.7") at 4:3

76" to 151" (Zoom Wide: 10.9" – 22.7") at 21:9

75" to 148" (Zoom Wide: 10.9" – 22.7") at 16:6

Light Source Laser diode

Light Source Life³

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: ±0.9 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 Assistant app (Google Play™ Store/Apple® App Store®)

Epson iProjection™⁵

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 (visit our support pages for the latest version)

- Epson Creative Projection app for iOS®

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 (power 5 A, 2 V and data)

1x USB Connector Type B (firmware update)

1x Wired LAN RJ-45

Built-In Wireless Support:

Infrastructure, Firmware Update, USB Display and

Access Point – Wi-Fi Direct®:

IEEE 802.11b (2.4 GHz): 11 Mbps* (infrastructure only)

IEEE 802.11g (2.4 GHz): 54 Mbps*

IEEE 802.11n (2.4 GHz): 72.2 Mbps*

IEEE 802.11a (5 GHz): 54 Mbps*

IEEE 802.11n (5 GHz): 150.0 Mbps*

IEEE 802.11ac (5 GHz): 325 Mbps*

Wi-Fi CERTIFIED™ Miracast R2

* Maximum speed and range are 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

Speakers 2x 8 W

Operating Temperature 32 °F to 104 °F (0 °C to 40 °C)

Storage Temperature: 14 °F to 140 °F (-10 °C to 60 °C)

(20% – 80% 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: 296 W

Standby Mode: 2.0 W

Energy-Saving Mode: 0.4 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, E-Zoom, Volume, HDMI, LAN, ESC, Num, Auto, Enter, Directional Arrows, Menu, Effect, Source Search, USB, Computer, 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)

Eco Features

RoHS compliant

End-of-life options available⁶

Epson America, Inc. is a SmartWay® Transport Partner⁷



Security

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)

Limited Warranty and Service

Warranty Three-year limited in the U.S. and Canada

Service Whole unit exchange, usually Next-Business-Day⁸,

Toll-free telephone support, Monday through Friday

Epson ConnectionSM

Pre-Sales Support (U.S. and Canada): 800-463-7766

Website: www.epson.com

Epson PreferredSM Plus Extended Service Plan⁹

1-Year Next-Business-Day Whole Unit Exchange⁹ EPPEXPF1

2-Year Next-Business-Day Whole Unit Exchange⁹ EPPEXPF2

(available for up to a total of 5 years of continuous coverage)

What's Included

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

Ordering Information

PowerLite 810E	V11HA99020
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
100" Ambient Light Rejecting Screen (16:9)*	V12H002AL0
120" Ambient Light Rejecting Screen (16:9)*	V12H002AM0

* For use with tabletop projector installation only.



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/m³ 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 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** For convenient and reasonable recycling options, visit www.epson.com/recycle. **7** SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. **8** Product comes with a 3-year limited warranty with the option to purchase Extended Service Plans up to a total of 5 years of continuous coverage. Extended Service Plan can be purchased at any time that you are covered under an Epson limited warranty or Epson Extended Service Plan. See individual service plan for details. **9** Expedited shipping not available in all areas. Orders must be placed and processed by 1 p.m. Pacific Time, Monday through Friday, excluding holidays.

Learn more about how our products can empower your institution. Visit us at epson.com/foreducation



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