

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 — laser diode technology combined with a sophisticated re-engineered cooling system offers up to 30,000 hours of virtually maintenance-free operation³

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 app⁴ 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 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.
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 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: ±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 available⁵
 Epson America, Inc. is a SmartWay® Transport Partner⁶

Support

Epson ConnectionSM

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/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 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



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