

# PowerLite® 800F Ultra Short-throw Laser Projector



Projectors

Digital Signage and Education

## The budget-friendly classroom projector for high-quality, ultra bright displays.

**Ultra bright displays** — 5,000 lumens of color and white brightness<sup>1</sup>

**High-quality images** — Full HD 1080p resolution for true-to-life images up to 130" (16:9) diagonal

**Virtually maintenance-free** — 20,000-hour laser light engine with no lamps to replace<sup>2</sup>

**Convenient ultra short-throw design** — projects large, easy-to-read images, even in small spaces

**Full array of connectivity options** — including three HDMI® connections, HDBaseT, optional 5GHz wireless<sup>3</sup>, two built-in speakers and direct playback function via USB

**Wireless screen mirroring** — mirror device photos, videos and apps using Miracast; wirelessly display content with Epson iProjection™<sup>4</sup> (optional accessory required)

**Easily project wall-sized images** — built-in edge blending and split screen<sup>5</sup> features for easy, scalable projection

**Remote management and control tools** — for ease of access and maintenance

**Simple, flexible installation** — 360-degree placement capabilities; mount or place the projector in any position or angle, from landscape to portrait

**Content management software and app included via download<sup>6</sup>** — create amazing effects and experiences with our easy-to-use, free content management software for digital signage; Epson Creative Projection app<sup>6</sup> lets you easily create custom content, plus upload and playback directly from the projector





\*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.

**Specifications**

**Projection System** RGB liquid crystal shutter projection system  
**Driving Method** Poly-silicon TFT Active Matrix  
**Native Resolution** 1080p<sup>1</sup> (1366 x 768 x 2)  
**Resolution on Screen** 1080p<sup>1</sup> (2.1 million pixels)  
**Pixel Number** 1,049,000 pixels (1366 x 768) x 3 chips  
**Color Brightness<sup>1</sup>** Color Light Output: 5,000 lumens  
**White Brightness<sup>1</sup>** White Light Output: 5,000 lumens  
**Aspect Ratio** Supports 4:3, 16:10, 16:9\*, 16:6\*, 21:9\*  
 \*With vertical image shift control within letterbox area  
**Image Size**  
 65" to 130" @16:9  
 61" to 120" @16:6  
**Display Resolution** 1080p  
**Light Source** Laser Diode  
**Light Source Life<sup>2</sup>**  
 Normal Mode: Up to 20,000 hours  
 Extended Mode: Up to 30,000 hours  
**Throw Ratio Range** 0.27 (Zoom: Wide), 0.37 (Zoom: Tele)  
**Size (Projected Distance)**  
 65" – 130" [0.39 – 0.80 m] (Zoom: Wide) 16:9  
 61" – 120" [0.40 – 0.80 m] (Zoom: Tele) 16:6  
**Keystone Correction Manual** Vertical: ± 3 degrees;  
 Horizontal: ± 3 degrees  
**Dynamic Contrast Ratio** Over 2,500,000:1  
**Color Reproduction** Up to 1.07 billion colors  
**Foot adjuster**  
 Vertical: -1.0 to +1.0 degrees  
 Horizontal: -1.0 to +1.0 degrees  
**Modes**  
 Dynamic  
 Presentation  
 Cinema  
 sRGB  
 BlackBoard  
 DICOM SIM  
 Multi-Projection

**Projection Lens**

**Type** Digital zoom, Focus (Manual)  
**F-number** 1.5  
**Focal Length** 3.9mm  
**Zoom Ratio** 1 – 1.35 (Digital zoom)

**Software**

In addition to compatibility with Epson's standard suite of software, this product has a direct playback function via USB. Work with:  
 - Epson Projector Content Manager Software (Visit our support pages for the latest version)  
 - Epson Creative Projection Application

**Interfaces**

3x HDMI (with CEC Control)  
 1x HDBaseT  
 1x Analog D-sub 15 Pin (input)  
 1x RCA Composite  
 1x HDMI (out)  
 1x Analog D-sub 15 Pin video (input/monitor out)  
 3x Stereo Mini In  
 1x Stereo Mini Out  
 1x RS232C Control Port  
 2x USB Connector Type A (data/wireless)  
 1x USB Connector Type A (for Power Only 5V 2A)  
 1x USB-B Type (Firmware update)  
 1x Wired LAN RJ-45  
 Wireless support with optional LAN Adapter: Wireless  
 IEEE 802.11b (2.4GHz): 11 Mbps\*  
 IEEE 802.11g (2.4GHz): 54 Mbps\*  
 IEEE 802.11n (2.4GHz): 72.2 Mbps\*  
 IEEE 802.11a (5GHz): 54 Mbps\*  
 IEEE 802.11n (5GHz): 150.0 Mbps\*  
 IEEE 802.11ac (5GHz): 325 Mbps\*

**Other**

**Operating Temperature** 41 °F to 113 °F (0 °C to 45 °C)  
 (20 – 80% humidity, no condensation)  
**Power Supply Voltage** 100 – 240 V AC ± 10%, 50/60 Hz  
**Auto Power On** Signal Detection on HDMI / Plug-in Detection (HDMI, USB, VGA 15-pin, BNC)  
**Sleep Mode** Yes (with timer)  
**Power Consumption**  
 Normal Mode: 381 W  
 Quiet Mode: 270 W  
 Standby Mode: 2.0 W  
 Energy-saving Mode: 0.5 W  
**Fan Noise**  
 Normal Mode: 36 dB  
 Quiet Mode: 27 dB  
**Security** Enterprise Level Security Encryption  
**Country of Origin** China

**Dimensions (W x D x H)**

**Projector** 18.1" x 17.7" x 9"  
**Weight** 20.7 lb (without cable cover); 21.4 lb (with cable cover)

**Remote Control**

**Features** A/V Mute, Focus, Zoom, Volume, HDMI, LAN, Keystone, Pattern, Menu, Effect, USB, Computer, USB Viewer, Color Mode, Default, ID, Aspect, Freeze, 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  
 Recyclable product\*  
 Epson America, Inc. is a SmartWay® Transport Partner\*

**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 or 20,000 hours, whichever comes first.  
 Epson Road Service program. Dedicated toll-free support (U.S. and Canada only)

**What's in the Box**

PowerLite 800F, Quick Setup Guide, Projector Remote Control, 2x AA Batteries, Cable Cover, 6' Power Cord

**Ordering Information**

PowerLite 800F	V11H923520
HDBaseT Transmitter (ELPHD01)	V12H547020
HDBaseT Transmitter/Connection and Control Box (ELPHD02)	V12H007A14
Ultra Short-throw Wall Mount (White) (ELPMB62)	V12HA06A05
Wireless LAN Adapter (ELPAP11)	V12H005A02

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 No required maintenance for the light source for up to 20,000 hours. 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. | 3 Optional accessory must be purchased. | 4 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. | 5 Split Screen feature requires remote control. Consult your user manual for input combinations. | 6 Internet connection required for download. Data usage fee may apply. | 7 Pixel shifting technology achieves Full HD resolution on screen. | 8 For convenient and reasonable recycling options, visit www.epson.com/recycle | 9 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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