

# PowerLite<sup>®</sup> U50 WUXGA 3LCD Wireless Projector



Projector shown with mount.  
Mount sold separately.

Projectors

Education

## WUXGA classroom projector with up to a 10,000-hour lamp life in Normal Mode<sup>1</sup>.

**Ultra bright, vivid color** — 3,700 lumens color/white brightness<sup>2</sup>; advanced 3-chip, 3LCD technology

**Amazing, widescreen images** — native WUXGA resolution (1920 x 1200)

**Ultra long-life lamp** — up to a 10,000-hour lamp life in Normal Mode; up to 17,000 hours in ECO Mode<sup>1</sup>

**Easy classroom collaboration** — integrated wireless networking with enterprise-level security

**Wireless sharing with Epson iProjection<sup>™3</sup>** — connect up to 50 devices, including Chromebook<sup>™</sup>, iOS<sup>®</sup>, Android<sup>™</sup>, Mac<sup>®</sup> and PC screens; simultaneously display content from up to four devices<sup>3</sup>

**Easy maintenance and remarkable dust handling** — up to 10,000-hour filter cycle (20,000 hours in ECO Mode)<sup>4</sup>

**Remote management and control tools** — compatible with Crestron<sup>®</sup>, AMX<sup>®</sup>, PJLink and more

**Simple setup and positioning flexibility** — 1.2x optical zoom, ± 30 degrees horizontal and vertical keystone correction

**Versatile connectivity** — 2x HDMI<sup>®</sup> supports multiple high-definition A/V devices

**Powerful sound to engage every student** — built-in 5 W speaker



**Specifications**

**Projection System** 3LCD, 3-chip technology  
**Projection Method** Front/rear/wall mount  
**Driving Method** Poly-silicon TFT Active Matrix  
**Pixel Number** 2,304,000 dots (1920 x 1200) x 3  
**Color Brightness<sup>2</sup>** Color Light Output: 3,700 lumens  
**White Brightness<sup>2</sup>** White Light Output: 3,700 lumens  
**Aspect Ratio** 16:10  
**Native Resolution** 1920 x 1200 (WUXGA)  
**Supported Maximum Transferred Resolution**  
 1920 x 1080 (1080p)  
**Resize** 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050  
**Lamp Type** 200 W UHE  
**Lamp Life<sup>1</sup>**  
 Up to 10,000 hours (Normal Mode)  
 Up to 17,000 hours (ECO Mode)  
**Throw Ratio Range** 1.38 (Zoom: Wide) – 1.68 (Zoom: Tele)  
**Size (Projected Distance)** 30" – 300" (0.87 – 9.02 m)  
 (Zoom: Wide)  
**Keystone Correction (Automatic)** Vertical: ± 30 degrees  
 Horizontal: ± 30 degrees  
**USB Plug 'n Play** Projector is compatible with PC and  
 Mac computers  
**Contrast Ratio** Up to 16,000:1 (Auto Iris on)  
**Auto Iris** High Speed/Normal/Off (Dynamic, Cinema only)  
**Color Reproduction** Up to 1.07 billion colors

**Wireless Specifications**

**Supported Security Modes**  
 Quick Mode: OPEN, WPA2-PSK  
 Advanced Mode: OPEN, WPA/WPA2-PSK, WPA/WPA2-EAP  
 Supported EAP Type: PEAP, PEAP-TLS, EAP-TLS,  
 EAP-Fast, LEAP  
**Supported Speeds**  
 IEEE 802.11g (2.4 GHz): 54 Mbps\*  
 IEEE 802.11n (2.4 GHz): 130 Mbps\*  
 IEEE 802.11b (2.4 GHz): 11 Mbps\*  
 \*These modes and actual data throughputs depend on  
 the supported wireless mode of the source devices and/or  
 environment.

**Projection Lens**

**Type** Optical Zoom (Manual)/Focus (Manual)  
**F-number** 1.50 – 1.71  
**Focal Length** 20.42 – 24.50 mm  
**Zoom Ratio** 1 – 1.2

**Interface**

2x HDMI (1x MHL)  
 Computer: 2x D-sub 15-pin  
 Audio-in: 2x Mini Stereo  
 Network: 1x RJ-45  
 Mbps Serial: 1x RS-232c  
 Monitor Out: 1x D-sub 15-pin  
 USB (Type A)  
 USB (Type B)  
 Audio-out: 1x Mini Stereo



**Other**

**Input Signal** Auto, RGB and Component  
**Speaker** 5 W (mono)  
**Operating Temperature** 0 – 7,500 ft elevation: 41 °F to  
 104 °F (5 °C to 40 °C), Over – 7,500 ft elevation: 41 °F to 95 °F  
 (5 °C to 35 °C)  
**Power Supply Voltage** 100 – 240 V AC ±10%, 50/60 Hz  
**Power Consumption**  
 298 W (Normal Mode)  
 226 W (ECO Mode)  
 2.0 W Standby (Communication On)  
 0.3 W Standby (Communication Off)  
**Fan Noise** 37 dB (Normal Mode), 28 dB (ECO Mode)  
**Security** Kensington-style lock provision

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

**Including Feet** 14.3" x 9.7" x 3.7"  
**Excluding Feet** 14.3" x 9.7" x 3.4"  
**Weight** 6.83 lb (3.1 kg)

**Remote Control**

**Features** Brightness, Contrast, Tint, Saturation, Sharpness,  
 Input Signal, Sync, Tracking, Position, Color Temperature,  
 Volume, Split Screen<sup>5</sup>  
**Operating Angle** Right/left: ± 30 degrees, Upper/lower: ± 30  
**Operating Distance** Front/rear: 22.96 ft (7 m)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>6</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>7</sup>

**Support**

**Epson Connection<sup>SM</sup>**  
 Pre-sales support  
 U.S. and Canada: 800-463-7766  
 www.epson.com / www.epson.ca  
**Service Programs** 2-year projector limited warranty, Epson  
 Road Service Program, PrivateLine<sup>®</sup> dedicated toll-free support  
 and 90-day lamp limited warranty

**What's in the Box**

PowerLite U50 projector, remote control, batteries, power  
 cable, computer cable (VGA), warranty card, Quick Setup Sheet

**Ordering Information**

PowerLite U50 Projector	V11H952020
Replacement Lamp (ELPLP97)	V13H010L97
Replacement Filter (ELPAF59)	V13H134A59
PowerLite Pilot <sup>™</sup> III (ELPCB03)	V12H927020
Universal Projector Mount (ELPMBPJG)	V12H808001
Ceiling Mount (ELPMB60)	V12H963010
Lighting Track Mount (ELPMB61)	V12H964020

1 Actual lamp life will vary depending on mode selected, environment conditions and usage. Lamp brightness decreases over time. The lamp comes with a 90-day limited warranty. | 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 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. 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. | 4 10,000 hours is the estimated life of the air filter when the projector is used in Normal Mode in an ordinary environment. Actual hours may vary depending on mode and usage environment. | 5 Split Screen feature requires remote control. Consult your user manual for input combinations. | 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.

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

Better Products for a Better Future<sup>™</sup>  
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