

# Epson PowerLite<sup>®</sup> 450W

## MULTIMEDIA PROJECTOR

Product Name	Product Code	UPC
PowerLite 450W	V11H318020	0 10343 87563 0
Genuine Epson Lamp	V13H01057	0 10343 87574 6
Air Filter Set	V13H13A27	0 10343 87575 3

### Specifications

#### Projection System

Epson 3LCD, 3-chip optical engine

#### Projection Method

Front/rear/wall/ceiling mount

#### Driving Method

Epson Poly-silicon TFT Active Matrix

#### Pixel Number

1,024,000 dots (1280 x 800) x 3

#### White Light Output<sup>1</sup>

2500 lumens (ISO 21118 Standard)

#### Color Light Output<sup>1</sup>

2500 lumens

#### Aspect Ratio

16:10

#### Native Resolution

1280 x 800 (WXGA)

#### Resize

640 x 480 (VGA), 800 x 600 (SVGA),  
1024 x 768 (XGA), 1152 x 864 (SXGA1),  
1280 x 960 (SXGA2), 1280 x 1024 (SXGA3),  
1280 x 768 (WXGA60-1), 1360 x 768 (WXGA60-2),  
1440 x 900 (WXGA+), 1400 x 1050 (SXGA+),  
1600 x 1200 (UXGA), 1680 x 1050 (WSXGA+)

#### Lamp Type

E-TORL 230 W UHE

#### Lamp Life<sup>3</sup>

Up to 3500 hours (ECO Mode)  
Up to 2500 hours (Normal Mode)

#### Throw Ratio Range

0.37' – 0.50' (16:10)  
0.44' – 0.59' (4:3)  
(1.5' – 2.5')

#### Size (projected distance)

59" – 97" (1.5' – 2.5')

#### Keystone Correction Manual

Vertical: ± 5 degrees

#### Plug 'n Play

Projector is Mac<sup>®</sup> compatible  
DVI or HDMI to VGA  
USB Plug 'n Play for Windows<sup>®</sup> 2000 or later

#### Contrast Ratio

Up to 2000:1

#### Color Reproduction

16.77 million colors

### Projection Lens

#### Type

Manual focus

#### F-number Focal Length

1.80 4.68 mm

#### Zoom Ratio

Digital zoom 1.0 – 1.35x

<sup>1</sup>Light output varies depending on modes (color and white light output). White light output measured using ISO 21118 standard.

<sup>2</sup>Data source: ProjectorCentral.com, Jan. 2009. Average of 796 shipping models, for which manufacturers provided lumens and total power data, all resolutions and brightness levels.

<sup>3</sup>Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

<sup>4</sup>See our website for convenient and reasonable recycling options at [www.epson.com/recycle](http://www.epson.com/recycle)

<sup>5</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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### Other

#### Display Performance

NTSC: 480 lines  
PAL: 560 lines  
(Depends on observation of the multi-burst pattern)

#### Input Signal

NTSC/NTSC4.43/PAL/M-PAL/N-PAL/  
PAL60/SECAM

#### Interfaces

Computer/component video:  
D-sub 15 pin x 2  
S-video: Mini DIN x 1  
Composite video: RCA x 1  
Audio in x 3 (RCA (L&R) x 1, mini stereo x 2)  
Variable audio out: mini stereo x 1  
LAN networking: RJ-45 x 1  
Serial: RS-232c x 1  
Monitor out: D-sub 15 pin x 1  
USB Type B x 1 (USB display, mouse, keyboard, interface)  
USB Type A x 1 (USB memory device)  
Wireless port 802.11 a/b/g  
(optional module sold separately)

#### Speaker

10 W monaural

#### Operating Temperature

32° to 95° F (0° to 35° C)

#### Power Supply Voltage

100 – 240 V ±10%, 50/60 Hz

#### Power Consumption

338 W  
Network on: 9 W standby,  
Network off: 1 W standby  
Direct power on/off  
Instant off

#### Fan Noise

35 dB (Normal Mode)  
28 dB (ECO Mode)

#### Security

Kensington<sup>®</sup>-style lock provision,  
security anchor bar,  
password protection function

### Dimensions (W x D x H)

Including feet: 19.0" x 15.6" x 6.1"  
Excluding feet: 19.0" x 15.6" x 4.5"  
Weight: 12.9 lb

### Remote Control

#### Features

Power, source search, computer, video, USB, LAN, A/V mute, freeze, user, auto, aspect, color mode, page up and down, e-zoom, pointer, help, volume, menu, esc, enter, mouse functions

#### Operating Angle

-75 to +15 degrees  
Right/left: ± 55 degrees

#### Operating Distance

19.7 ft (6 m)

### Support — The Epson Connection<sup>SM</sup>

Pre-sales support  
U.S. and Canada 800-463-7766  
Internet website [www.epson.com](http://www.epson.com)

#### Service Programs

Two-year projector limited warranty,  
Epson Road Service program,  
Epson PrivateLine<sup>®</sup> dedicated toll-free support and 90-day limited lamp warranty

#### What's In The Box

Power cord, computer cable (VGA), projector remote control, batteries, user manual CD, EMP Monitor CD, Quick Setup Sheet, PrivateLine support card, mount and password protection sticker

### Accessory Part Numbers

Wireless LAN module (ELPAP03)	V12H306P11
Quick Wireless Connection USB Key (ELPAP05)	V12H005M05
Epson DC-10s document camera (ELPDC06)	ELPDC10S
Epson DC-06 document camera (ELPDC06)	V12H321001
Presentation remote control	V12H007T0B
Distribution amplifier	ELPDA01
Component-to-VGA video cable	ELPKC19
S-video cable	ELPSV01
Kensington security lock	ELPSL01

**EPSON**<sup>®</sup>  
EXCEED YOUR VISION



## Epson PowerLite<sup>®</sup> 450W

MULTIMEDIA PROJECTOR



### Larger-than-life lessons to captivate any class.

The Epson PowerLite 450W ultra-short-throw projector offers amazing widescreen performance, making it easy to create larger-than-life lessons. Project 80" images from just 24" away. Save valuable classroom space and avoid shadow interference with this smart presentation tool. Ideal for wall-mount installations and use with interactive whiteboards, the PowerLite 450W offers innovative communication tools, including a built-in 10 W speaker, closed captioning decoder and the ability to deliver content over the network. With versatile connectivity features and optional wireless capabilities, it offers the ultimate choice in powerful presentation solutions.

**Larger-than-life, widescreen images** — native WXGA resolution (16:10 aspect ratio); ideal for widescreen computers and tablet notebooks

**Super bright and colorful** — 2500 lumens color light output, 2500 lumens white light output<sup>1</sup>



# Epson PowerLite® 450W

MULTIMEDIA PROJECTOR

## The best-selling projectors in the world

Epson understands education and has a solution no matter what your teaching scenario. Built with image quality and reliability in mind, Epson projectors enhance communication and inspire collaboration, while offering a low total cost of ownership. From long-throw projectors designed for traditional educational settings to ultra-short-throw and all-in-one solutions built for progressive classrooms, Epson has the model made for you.



### 3LCD technology — for quality and color that's beyond amazing

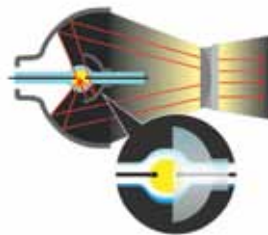
#### Innovative technology with proven reliability

- 3 chips for full-time, vibrant color
- 25% less electricity required per lumen of brightness when compared to 1-chip DLP projectors<sup>2</sup>
- Road-tested reliability from a company with over 20 years of experience

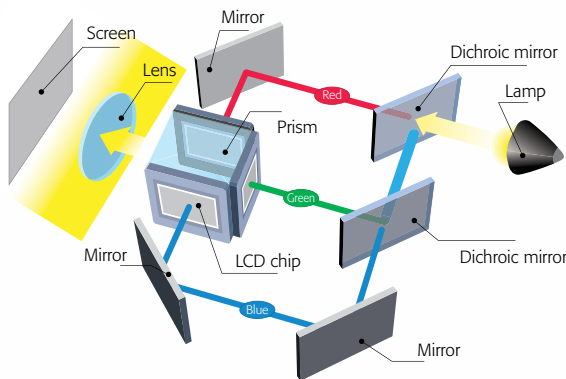


### Energy-efficient E-TORL® lamp, exclusively from Epson

- Delivers more lumens per watt and lasts up to 3500 hours<sup>3</sup>
- Minimizes both light diffraction and light leakage, providing you the ultimate in lamp longevity



▲ E-TORL lamp



### Amazing light output

- 2500 lumens color light output and 2500 lumens white light output<sup>1</sup>
- High color light output for bright, balanced, colorful images
- Light output and performance to meet your expectations
- White light output that's measured using ISO 21118 (a more rigid standard than the outdated ANSI lumens rating used by competitive products)



High color light output

Low color light output

Actual photographs of images taken from two competing projectors run in default mode. Price, resolution and brightness (white light output) are the same for both projectors.

### Brilliant widescreen performance



With WXGA resolution (16:10 aspect ratio), the PowerLite 450W is ideal for use with the latest-generation widescreen computers and for projecting high-definition content. It gives you:

- 30% more image area than a 4:3 image
- 10% more image area than a 16:9 image

The PowerLite 450W still allows you to display 4:3 and 16:9 content without losing image quality.



**800 x 600**  
Meets basic projection needs



**1024 x 768**  
Ensures sharper detail



**1280 x 800**  
Offers the highest quality and is ideal for widescreen (16:10 aspect ratio) display



#### Eco features

- Designed to be recycled<sup>4</sup>
- Energy-efficient E-TORL lamp
- RoHS compliant
- Epson America, Inc. is a SmartWay<sup>SM</sup> Transport Partner<sup>5</sup>

#### Better Products for a Better Future™

For more information on Epson's environmental programs, go to [eco.epson.com](http://eco.epson.com)

# You asked, we delivered

## Included wall mount

- Makes installation and short-throw operation easier than ever.



Mount included

## Value-added features

- Content delivered over the network, via RJ-45, with optional wireless capabilities
- Built-in 10 W speaker and microphone input

## USB Plug 'n Play instant setup

- No more computer function keys or bulky VGA cables
- Just plug in a standard USB cable and instantly project from your PC or Mac®
- Instantly view your images on both the screen and your PC; one standard USB cable does it all!



PC-free slideshows

USB Plug 'n Play instant display for PCs

## Built-in closed captioning

- Essential for education — helps meet ADA508 requirements for students with hearing impairments
- Helps save money — no need to pay for an additional decoder and its installation
- Effective and easy to use — easily enabled or disabled through the projector remote or menu



-Safety in the playground.



## PowerLite 450W features

- **Larger-than-life, widescreen images** — native WXGA resolution (16:10); ideal for widescreen computers
- **Ultra-short throw distance** — ideal for wall mount installations and use with interactive whiteboards
- **Super bright and colorful** — 2500 lumens color light output, 2500 lumens white light output<sup>1</sup>
- **Versatile connectivity options** — RJ-45 LAN connectivity for remote presentations and control; optional wireless capabilities for even greater flexibility
- **Value-added communication features** — built-in 10 W speaker, microphone input and built-in closed captioning decoder
- **USB Plug 'n Play instant setup** — instantly projects images from a PC or Mac via a USB connection
- **PC-free slideshows** — project photos (JPEG) via a USB thumb drive
- **Rich, vibrant color and reliable performance** — 3LCD, 3-chip technology
- **Energy-efficient E-TORL lamp** — up to 3500-hour lamp life<sup>3</sup>

## Ultra-short throw projection

With its ultra-short throw capabilities and included wall mount, the PowerLite 460 can be easily mounted close to any wall, in any size room, which means a less expensive installation. It's ideal for use with interactive whiteboards. With the PowerLite 460's short-throw capabilities, you can project an 80" image from just 24" away.

### Long throw

### Ultra-short throw



Significant reductions in shadow interference