EPSON®
EXCEED YOUR VISION

Geometry: Basic Polygons

Square:
Area: S²
$8^2 = 8 \cdot 8$
Perimeter

Rectangle
Area: W x H
$6(12) = 72$
Perimeter:
2W + 2H

Equalate
Triangle

Epson PowerLite® 450W
MULTIMEDIA PROJECTOR

EPSON
3LCD
WXGA
PowerLite 450W

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[1]

The best selling projectors
#1
Epson Projectors
in the world

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.

The best selling projectors #1 Epson Projectors in the world

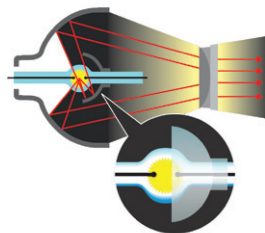### 3LCD technology — for quality and color that's beyond amazing

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[2]

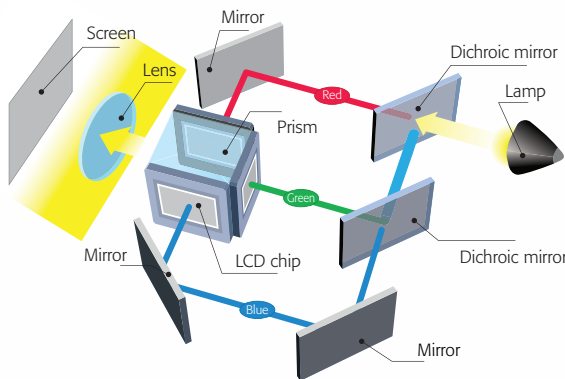• Road-tested reliability from a company with over 20 years of experience

3LCD

CERTIFIED 3 CHIP TECHNOLOGY

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

• Delivers more lumens per watt and lasts up to 3500 hours[3]

• Minimizes both light diffraction and light leakage, providing you the ultimate in lamp longevity

▲ E-TORL lamp

Screen
Mirror
Lens
Dichroic mirror
Red
Lamp
Prism
Green
Mirror
LCD chip
Dichroic mirror
Blue
Mirror

Amazing light output

• 2500 lumens color light output and 2500 lumens white light output[1]

• 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)

COLOR LIGHT OUTPUT 2500 LUMENS / WHITE LIGHT OUTPUT 2500 LUMENS

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 WXGA

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.

SVGA
800 x 600
Meets basic projection needs

XGA
1024 x 768
Ensures sharper detail

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

Eco features
• Designed to be recycled[4]
• Energy-efficient E-TORL lamp
• RoHS compliant
• Epson America, Inc. is a SmartWay[SM] Transport Partner[5]

Better Products for a Better Future™

For more information on Epson's environmental programs, go to eco.epson.com

You asked, we delivered

Included wall mount

• Makes installation and short-throw operation easier than ever

6.1"
15.6"
14.0"

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!
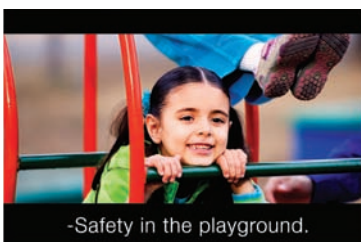
USB Plug 'n Play instant display

PC-free slideshows

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[1]

• **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[3]

Ultra-short throw projection

With its ultra-short throw capabilities and included wall mount, the PowerLite 450W 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 450W's short-throw capabilities, you can project an 80" image from just 24" away.

Long throw   Ultra-short throw

Significant reductions in shadow interference

EPSON®
EXCEED YOUR VISION

S-video
Video
L-Audio
R-Audio
Audio Out
Mic
Audio 1
Audio 2
LAN
Computer 2
RS-232c
Monitor Out
USB Type B
Computer 1
USB Type A

Epson PowerLite® 450W
MULTIMEDIA PROJECTOR

Product Name	Product Code	UPC
PowerLite 450W	V11H318020	0 10343 87563 0
Genuine Epson Lamp	V13H010L57	0 10343 87574 6
Air Filter Set	V13H134A27	0 10343 87575 3
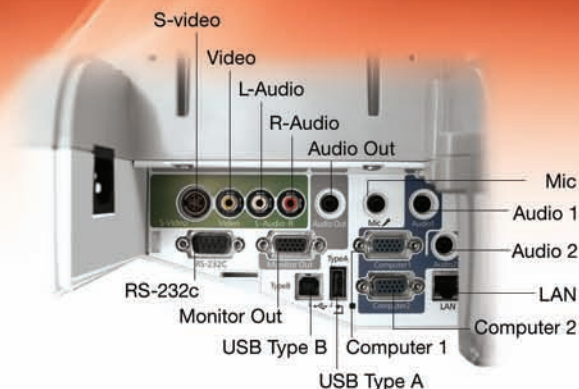
Specifications

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[1]
2500 lumens (ISO 21118 Standard)

Color Light Output[1]
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[3]
Up to 3500 hours (ECO Mode)
Up to 2500 hours (Normal Mode)

Throw Ratio Range
(16:10) 0.37:1 – 0.50:1
(4:3) 0.44:1 – 0.59:1
(16:9) 0.37:1 – 0.50:1

Size (projected distance)
16:10 60" – 96" (19" – 30")
4:3 55" – 85" (19" – 30")
16:9 60" – 93" (19" – 30")

Keystone Correction Manual
Vertical: ± 50 degrees

Plug 'n Play
Projector is Mac® compatible
DVI to VGA
USB Plug 'n Play for Windows® 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

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
41 ˚ to 95 ˚F (5 ˚ to 35 ˚C)

Power Supply Voltage
100 – 240 V ±10%, 50/60 Hz

Power Consumption
363 W
Network on: 10 W standby,
Network off: 0.3 W standby
Direct power on/off
Instant off

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

Security
Kensington®-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: 12.6 lb (without slide plate)
13.8 lb (with slide plate)

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℠

Pre-sales support
U.S. and Canada   800-463-7766
Internet website   www.epson.com

Service Programs
Two-year projector limited warranty,
Epson Road Service program,
Epson PrivateLine® 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	ELPDC10S
Epson DC-06 document camera (ELPDC06)	V12H321001
Presentation remote control	V12H007TOB
Distribution amplifier	ELPDA01
Component-to-VGA video cable	ELPKC19
S-video cable	ELPSV01
Kensington security lock	ELPSL01

Packaging Specifications

PowerLite 450W
Dimensions 22.8" x 31.3" x 13.3" (W x D x H)
Weight 51.2 lb

Genuine Epson Lamp
Dimensions 6.3" x 5.6" x 5.6" (W x D x H)
Weight 0.8 lb
Master Carton
Dimensions 28.4" x 13.1" x 6.8" (W x D x H)
Weight 9.7 lb
Units Per Master Carton 10

Air Filter Set
Dimensions 3.9" x 4.9" x 1.2" (W x D x H)
Weight 0.1 lb
Master Carton
Dimensions 5.2" x 12.7" x 4.6" (W x D x H)
Weight 1.4 lb
Units Per Master Carton 10

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[1]Light output varies depending on modes (color and white light output). White light output measured using ISO 21118 standard.
[2]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.
[3]Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.
[4]See our website for convenient and reasonable recycling options at www.epson.com/recycle
[5]SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.