EPSON®
EXCEED YOUR VISION

# PowerLite® W16SK 3D 3LCD Dual Projection System



3x Brighter Colors with Epson® Projectors[1]

3D

## The ultra-bright 3D projector made to impress any classroom.

**3x Brighter Colors[1], and reliable performance** — 3LCD, 3-chip technology

**One measurement of brightness is not enough** — look for both high color brightness and high white brightness. The PowerLite W16SK has:

Color Brightness: up to 6000 lumens in 2D mode[2]
White Brightness: up to 6000 lumens in 2D mode[2]

**Captivating widescreen 3D content to engage any student** — 2D and passive 3D projection, with Full HD technology and native WXGA resolution (16:10 aspect ratio)

**Affordable 3D projection system** — pair with inexpensive passive 3D glasses (one pair included); now you can afford to purchase glasses for your entire class

**Supports multiple HDMI 3D formats[3]** — no external 3D converter box necessary

**Easy setup** — includes dual projector stacking mount kit, 1 pair of passive 3D glasses, and polarizing filters for passive 3D

The best-selling projectors
#1
Epson Projectors
in the world

# PowerLite® W16SK 3D 3LCD Dual Projection System

## The ultra-bright 3D projector made to impress any classroom.

Immerse your students in ultra-bright 3D imagery that takes any subject to a whole new level with the PowerLite W16SK dual projection system. This innovative system features two powerful projectors stacked together, for ultra-bright video and images in large classrooms or rooms with ambient light. Use the W16SK to share 2D content in a big, brilliant way. Or, use it with affordable passive 3D glasses (one pair included) for 3D content. The affordable PowerLite W16SK makes it easy to achieve larger-than-life lessons with captivating 3D capability that redefines the learning environment.

### 3x Brighter Colors with Epson[1]

3x Brighter Colors with Epson Projectors[1]

COLOR BRIGHTNESS[2] UP TO 6000 LUMENS

WHITE BRIGHTNESS[2] UP TO 6000 LUMENS

Brilliant image quality requires high color brightness (color light output), and Epson® 3LCD projectors have 3x Brighter Colors than leading competitive projectors.[1]

One brightness measurement (lumens) is not enough. A projector's specification needs to show both high color brightness and high white brightness. If color brightness is lower than white brightness, images may be dark, dull and lose detail. If not provided, be sure to ask for a projector's color brightness specification.

Get consistent, true-to-life color with Epson, whether you're projecting images with deep, dark colors or a white screen with text.

**EPSON**

High color brightness and high white brightness

**COMPETITOR**

Color brightness significantly lower than white brightness

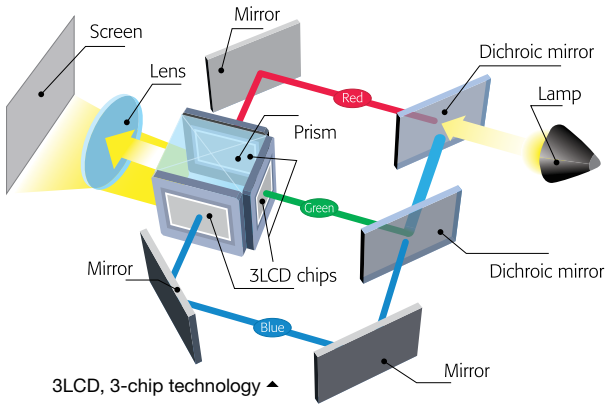
Actual photograph of side by side projected images from an identical signal source. Price, resolution and white brightness are similar for both projectors (Epson 3LCD and 1-chip DLP competitor). Both projectors are set to their brightest mode.

### 3LCD — The #1 projection technology in the world

CERTIFIED 3 CHIP TECHNOLOGY

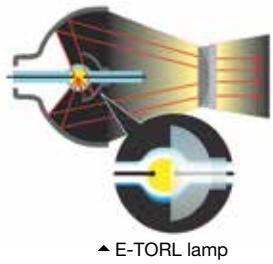
3LCD

- All 3LCD projectors have both high color brightness and high white brightness
- All 3LCD projectors have 3 chips
- 25% lower power consumption for lower energy costs[4]
- 20 years of road-tested reliability




3LCD, 3-chip technology

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



E-TORL lamp

- Delivers more lumens per watt and lasts up to 5000 hours[5]
- Minimizes both light diffraction and light leakage
- E-TORL lamps maximize your presentation time, while minimizing your costs

## The best-selling projectors in the world

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

## Works with passive 3D glasses (1 pair included, others may be purchased separately)

Passive 3D projection offers an economical way to bring engaging 3D content to an entire classroom. Because passive 3D glasses are so affordable, it's easy to provide enough glasses for every student. There's no need to share glasses and then worry about disinfecting them for use by another student. And, there are no batteries or electronics to worry about. Best of all, if the glasses are lost, they can easily be replaced without significantly impacting your budget.

## Remarkable widescreen performance

Featuring WXGA resolution (1280 x 800, 16:10 aspect ratio), the PowerLite W16SK is ideal for use with the latest generation widescreen computers, and great for projecting widescreen content. It gives you:

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

The PowerLite W16SK still allows you to display 4:3 and 16:9 content.

WXGA

## High-definition video and audio with HDMI digital connectivity

Delivers both audio and brilliant video content with just one cable. Compatible with the latest laptops, Blu-ray and media players.

HDMI™

## Supports multiple 3D formats

The PowerLite W16SK supports multiple 3D formats, eliminating the need for an external converter box. However, most 3D-ready projectors only support one format, and an external converter box must be purchased in order to support multiple formats. So, when you are evaluating the right 3D projector for your classroom, make sure to check to see if the projector supports your preferred multiple 3D formats.

| 3D Format | PowerLite W16SK* | 3D-Ready Projector** |
|---|---|---|
| Side-by-Side | ✔ | x |
| Top-and-Bottom | ✔ | x |
| Frame Packing | ✔ | x |
| Frame Sequential | x | ✔ |

*Via HDMI signal.

**Most 3D-Ready projector models.

## Dynamic classroom content in 2D or 3D – the choice is up to you

Now, you can do even more to engage every student in your classroom. Driven by 3LCD technology, the versatile PowerLite W16SK ensures amazing quality and color for both 2D and 3D content. Add 3D material to enhance each lesson and ensure a truly dynamic visual experience. Studies show that retention is often increased when 3D visuals are used. (Source: 3D in the Classroom Public Health Support; American Optometric Association, 2011)

## What's in the box

- 2 PowerLite W16SK projectors
- Dual projector stacking mount kit
- 1 pair of passive 3D glasses
- 2 polarizing filters
- 2 power cables
- 1 USB cable to link both projectors for passive 3D
- Remote control with 2 AA batteries
- User's guide CD
- Setup guide with installation instructions

## What you'll need to bring passive 3D to your classroom

- A PowerLite W16SK dual projection system
- A silver screen with recommended gain of 2.3 – 2.7
- Additional passive 3D glasses, if desired (1 pair included)
- 3D content
- A media player with an HDMI output (preferably 2 HDMI outputs)
- An HDMI splitter, if your media player does not have 2 HDMI outputs
- An optional ceiling mount (if you choose to mount the projection system)

## Most Cost-Effective 3D Projection Solution for your Classroom*

When paired with economical passive 3D glasses, the PowerLite W16SK 3D Dual Projection System is the ideal system for classrooms. So before you spend the money on other options, do the math and determine which 3D projection system is best for you.

| Projector Model | Epson PowerLite W16SK | NEC NP-V300X |
|---|---|---|
| Projector cost (MSRP) | $1,899 | $729 |
| Projector Ceiling Mount cost (optional, if choose to install) | not installed | not installed |
| Screen cost | $434 | $366 |
| Number of students in classroom | 30 | 30 |
| 3D Glasses cost for 1 pair | $3** | $99 |
| 3D Glasses cost for entire classroom 30 students | $90 | $2,970 |
| 3D Content cost | already own | already own |
| 3D media player (Blu-ray® player) cost | $110 | $110 |
| HDMI splitter cost (may not be necessary if your media player has 2 HDMI outs) | $36 | N/A |
| Misc. expenses (HDMI cables) | $60 | $20 |
| **TOTAL PRODUCT COST FOR 1 CLASSROOM** | **$2,629** | **$4,195** |
| Number of classrooms | 15 | 15 |
| **TOTAL PRODUCT COST FOR ALL CLASSROOMS** | **$39,435** | **$62,925** |

*Based on example of a school district that needs to equip 3D projectors for 15 classrooms.
**Epson passive 3D glasses cost $15 and include 5 pairs in the box.
Note: Data sourced from manufacturers' websites and publicly available data, as of August 2012

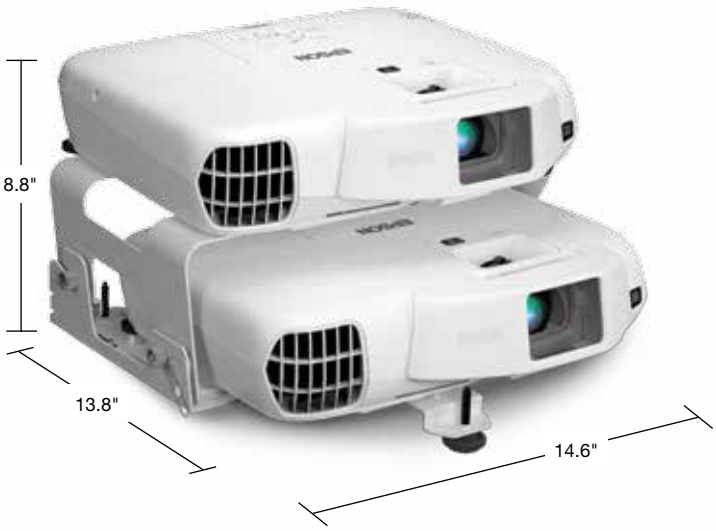
**37% Savings With Epson**

## Convenient control and energy-saving features

- Instant Off® — no cool-down time required; it's ready to shut down when you are
- A/V Mute — pause your presentation to direct focus elsewhere or take a quick break
- Sleep Mode — set from 1 to 30 minutes to save energy when no signal is detected
- Direct Power On/Off — power the projector on/off with the flip of a wall switch

## Built-in closed captioning[6]

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




## PowerLite W16SK 3D Dual Projection System Additional Features/Benefits

- **Versatile connectivity for any classroom** — HDMI, computer / VGA inputs, monitor output, audio input, audio output, USB and RS-232c
- **Positioning flexibility** — +/- 15 degrees vertical and horizontal keystone image correction
- **Energy-efficient E-TORL lamp** — up to 5000-hour lamp life[5]

### Better Products for a Better Future™

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

### Eco Features

- RoHS compliant
- Recyclable product[7]
- Epson America, Inc. is a SmartWay℠ Transport Partner[8]

SmartWay℠ Transport Partner
Getting There With Cleaner Air

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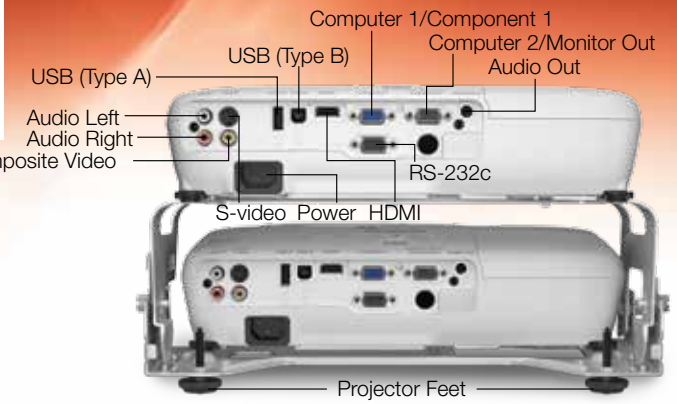


# PowerLite W16SK 3D 3LCD Dual Projection System

| Product Name | Product Code | UPC |
|---|---|---|
| PowerLite W16SK | V11H494020 | 0 10343 90402 6 |
| Passive 3D Glasses (Adult) | V12H541A20 | 0 10343 90403 3 |
| Passive 3D Glasses (Child) | V12H541B20 | 0 10343 90404 0 |
| Genuine Epson Lamp | V13H010L67 | 0 10343 88423 6 |
| Replacement Air Filter | V13H134A42 | 0 10343 90405 7 |

## Specifications

**Projection System**
Epson 3LCD, 3-chip technology,
RGB liquid crystal shutter projection system

**Projection Method**
Front / Rear / Ceiling mount

**Driving Method**
Poly-silicon TFT Active Matrix

**Pixel Number**
1,024,000 dots (1280 x 800) x 3

**Color Brightness**[2]
Color Light Output: 3000 lumens x 2 projectors

**White Brightness**[2]
White Light Output: 3000 lumens x 2 projectors

**Aspect Ratio**
Native 16:10 widescreen, supports 16:9/4:3

**Native Resolution**
1280 x 800 (WXGA)

**Resize**
640 x 480 (VGA), 800 x 600 (SVGA),
1024 x 768 (XGA), 1152 x 864 (SXGA),
1280 x 960 (SXGA2), 1280 x 1024 (SXGA3),
1360 x 768 (WXGA 60-2), 1440 x 900 (WXGA+),
1400 x 1050 (SXGA+), 1600 x 900 (WXGA++),
1600 x 1200 (UXGA), 1680 x 1050 (WSXGA+ 60)

**Lamp Type**
200 W UHE (E-TORL)

**Lamp Life**[5]
Up to 5000 hours (ECO mode)
Up to 4000 hours (Normal mode)

**Throw Ratio Range**
1.42 – 1.56

**Size (Projected Distance) for Stacked Configuration**
White screen: 80" - 150" (8.2' – 15.4')
Silver screen: 80" – 120" (8.2' – 12.5')

**Keystone Correction (Automatic)**
White screen: Vertical/Horizontal
± 15 degrees
Silver screen: Vertical/Horizontal
± 10 degrees

**Mac® Connectivity**
Projector is Mac compatible via USB, DVI to HDMI or VGA adapter (not included)

## Specifications (continued)

**Contrast Ratio**
Up to 5000:1 (Stack 3D)

**Color Reproduction**
Full-color (16.77 million colors)

**Passive 3D Stack Function**
Yes

**3D Format**
Auto/Side-by-Side/Top-and-Bottom/2D/
Frame Packing

## Projection Lens

**Type**
Manual Focus / Manual Optical Zoom

**F-number**
1.58 – 1.72

**Focal Length**
16.9 – 20.3 mm

**Zoom Ratio**
1.0 – 1.2 Optical

**Lens Cover**
Slide lens shutter (A/V Mute slide)

## 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: D-sub 15 pin x 2
Component video: D-sub 15 pin x 1
(shared with Computer 1)
S-video: Mini DIN x 1
Composite video: RCA (Yellow) x 1
Audio in: RCA x 1 (L and R)
USB connector: Type B x 1[9]
(USB display, audio and mouse control, stack 3D control)
USB connector: Type A x 1[9]
(USB memory/document camera, stack 3D control)

## Other (continued)

HDMI x 1
Serial: RS-232c x 1
Monitor out: D-sub 15 pin x 1
(shared with Computer 2)
Audio out: Mini stereo x 1

**Speakers**
Two x 2 W Monaural

**Standby Audio**
Through Audio Out only

**Operating Temperature**
5 °C to 35 °C (41 °F to 95 °F)

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

**Power Consumption**
289 W (Normal Mode)
237 W (ECO Mode)
3.2 W Standby (Communication On)
0.36 W Standby (Communication Off)

**Fan Noise**
32 dB (ECO Mode)
39 dB (Normal Mode)

**Security**
Kensington® Security Lock Port, Padlock, Security Cable Hole and Password Protect Function

## Dimensions (W x D x H)

Single: 12.8" x 9.6" x 3.1"
Dual/Stacked: 14.6" x 13.8" x 8.8"
Dual/Stacked Weight: 17.4 lb
(includes stack mount and polarizing filters)

## Remote Control

**Features**
Source search, video, computer, USB, power, aspect, color mode, volume, e-zoom, A/V mute, freeze, menu, page up and down, help, auto, mouse functions, user, esc, screen fit, 2D/3D, pointer

**Operating Angle**
Right/left: ± 30 degrees
Upper/lower: ± 15 degrees

**Operating Distance**
19.7' (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, PrivateLine® dedicated tollfree support and 90-day limited lamp warranty

**What's In The Box**
Two PowerLite W16SK 3D projectors, dual projector stacking mount kit, 1 pair of passive 3D glasses (Adult), 2 polarizing filters, 2 power cords, 1 USB cable, remote control with 2 AA batteries, 3 projector feet, quick setup guide, user's guide CD and tips sheet

## Accessory Part Numbers

| | |
|---|---|
| Genuine Epson lamp (ELPLP67) | V13H010L67 |
| Replacement air filter (ELPAF42) | V13H134A42 |
| Passive 3D Glasses for adults (ELPGS02A) | V12H541A20 |
| Passive 3D Glasses for children (ELPGS02B) | V12H541B20 |
| Epson DC-06 document camera | V12H321005 |
| Epson DC-11 document camera | V12H377020 |
| Epson DC-20 document camera | V12H500020 |
| Universal projector ceiling mount | ELPMBPJF |
| Adjustable suspended ceiling channel kit | ELPMBP01 |
| False ceiling plate kit | ELPMBP02 |
| Structural round ceiling plate | ELPMBP03 |
| Adjustable extension column (pipe) 8"-11" | ELPMBC01 |
| Component to VGA cable | ELPKC19 |
| Kensington security lock | ELPSL01 |
| Duet™ screen | ELPSC80 |
| ES3000 portable screen (ELPSC26H) | V12H002S3Y |

1 Compared to leading 1-chip DLP business and education projectors based on NPD data, July 2011 through June 2012. Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions.

2 6000 lumens based on specification for single projectors. Color light output (color brightness) measured in accordance with IDMS 15.4; white light output (white brightness) measured in accordance with ISO 21118. Color brightness and white brightness will vary depending on usage conditions; polarizing filters and keystoning will lower brightness.

3 Includes side-by-side, top-and-bottom and frame packing 3D formats.

4 Data source: ProjectorCentral.com Jan. 2012. Average of 1122 shipping models for which the manufacturers provided lumens and total power data, all resolutions and brightness levels. Energy efficiency was measured as wattage per lumen. It was measured for both 3LCD and 1-chip projectors in each of five brightness segments. 3LCD projectors averaged less required electricity per lumen in each of the five segments.

5 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

6 Available in 2D mode only, with NTSC signal (Composite, S-video.)

7 See our website for convenient and reasonable recycling options at www.epson.com/recycle

8 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

9 Must be used for Passive 3D in Stack Mode.

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