

## PowerLite<sup>®</sup> 1945W, 1955 and 1965 3LCD PROJECTORS



PowerLite 1945W 3LCD Projector shown

### **Bright. Secure. Full-featured.**

**3x Brighter Colors<sup>1</sup>, 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 1945W, 1955 and 1965 projectors have:

Color Brightness: 4200 lumens<sup>2</sup> (1945W), 4500 lumens<sup>2</sup> (1955) and 5000 lumens<sup>2</sup> (1965)

White Brightness: 4200 lumens<sup>2</sup> (1945W), 4500 lumens<sup>2</sup> (1955) and 5000 lumens<sup>2</sup> (1965)

**Wireless performance with advanced security features** — connect to wireless networks via the wireless module with advanced security protocol support

**Feature-rich** — Split Screen<sup>3</sup>, Multi-PC display, PC-free presentation with video capabilities and PDF support, automatic horizontal/vertical image correction, Screen Fit tool, DICOM Simulation Mode<sup>4</sup> and more

# PowerLite® 1945W/1955/1965 3LCD PROJECTORS

## Bright. Secure. Full-featured.

Keep presentations shining bright, even in ambient light, with the PowerLite 1945W, 1955 and 1965. Designed for both working professionals and educators, this family of bright, feature-packed solutions projects vibrant images in virtually any setting. Perfectly portable, these sleek projectors can be easily carried between meeting rooms and classrooms or can be installed in small- to medium-size venues. A secure wireless connection eliminates cables and streamlines the process with easy networking options, while automatic vertical and horizontal keystone correction gives you immediate positioning flexibility. Project engaging, larger-than-life content with the PowerLite 1900 series.

### 3x Brighter Colors with Epson<sup>1</sup>

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

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.



PowerLite 1945W



PowerLite 1955



PowerLite 1965



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

- 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<sup>5</sup>
- 20 years of road-tested reliability



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

- Delivers more lumens per watt and lasts up to 5000 hours<sup>6</sup>
- Minimizes both light diffraction and light leakage
- E-TORL lamps maximize your presentation time, while minimizing your costs

#### EPSON



High color brightness and high white brightness

#### COMPETITOR



Color brightness significantly lower than white brightness

Actual photographs of 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.

### Remarkable detail

The widescreen PowerLite 1945W is ideal for use with the latest-generation widescreen computers and great for projecting a wide variety of content. Its native 16:10 aspect ratio allows you to fully utilize the capabilities of your widescreen computer, giving you 30% more image area than a 4:3 image.

The PowerLite 1945W also allows you to display 4:3 content without losing image quality.

PowerLite 1955/1965



XGA (1024 x 768) resolution

PowerLite 1945W



WXGA (1280 x 800) resolution

## 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 ultra portable projectors designed for educational settings to boardroom-ready installable business projectors, Epson has a model that's perfect for you.



## Advanced wireless security protocol

The wireless LAN module (included) supports robust wireless network security protocols that prevent information leakage in an enterprise environment. The PowerLite 1945W, 1955 and 1965 offer security features such as WEP, WPA-PSK, WPA-EAP, WPA2-PSK and WPA2-EAP. These security features are also available in Quick Connection Mode.

## Epson iProjection™ App<sup>7</sup> via networked projector

iOS device users can project and share their presentation files, photos and more from their iPad®/iPod®/iPhone® via the Epson iProjection application.

For more information, visit [www.epson.com/ProjectorApp](http://www.epson.com/ProjectorApp)



## Message Broadcasting<sup>8</sup>

- Broadcast customized images/alerts over the network for announcements or instructions
- Send messages to up to 1024 projectors simultaneously (message will overwrite the current screen content if the projector is being used, unless this function is disabled by the presenter)
- If the projector is off, Message Broadcasting will turn it on and display the message



## Monitor/control projectors remotely

Easily monitor and control networked Epson projectors using the included EasyMP® software.

- Schedule remote power on/off functionality; saves energy, money and time
- Check the status of each projector as part of your maintenance routine
- Access maintenance alerts for connected projectors, right from your office
- Crestron® RoomView® enabled — monitor and control your projector with your existing RoomView software



## Digital DisplayPort and HDMI connectivity

DisplayPort and an HDMI digital display interface enable the projector to easily project digital content including video and audio. Both are compatible with the latest laptops, Blu-ray Disc®, DVD and other media players. Future proof your digital content.



## Split Screen<sup>3</sup> feature

Project two images (video or still) side-by-side from two different sources simultaneously. You can choose from three layout options, swap the images/display sizes, choose the source for the audio and even display closed captioning if the source signal includes it.



Layout Option-1: 50-50% Split Screen



Layout Option-2: Main image on the left



Layout Option-3: Main image on the right

## Multi-PC projection

Epson Multi-PC Collaboration utility allows you to display four individual PC screens simultaneously over the network with up to 32 PCs connected to the same projector. This feature is a great tool for meetings or classroom projects where multiple users can present and share ideas and graphics.



## PC-free presentations including video and PDFs

Just plug your USB hard drive into the USB port, and you are ready to display documents, movies and images stored on your USB drive. Present a slideshow or movie without having to connect to a PC.

Compatible with the following file formats:

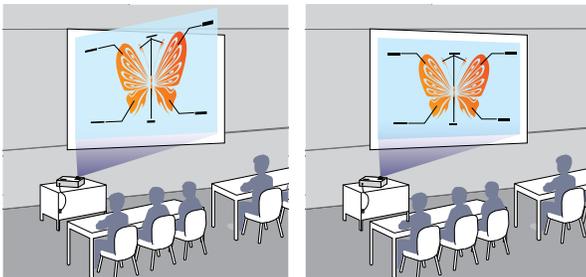
- Image files: PDF, JPEG, BMP, GIF, PNG
- Movie files: MPEG, WMV

## Screen Fit

This advanced tool uses an auto-sensing feature that adjusts the image size to fit within a frame with a push of a button whether it's a screen or a board.

## Real-time vertical and horizontal keystone correction

With real-time vertical and horizontal keystone correction, the projector will always display a rectangular image by automatically detecting and correcting the keystone with a push of a button.



Without horizontal keystone

With horizontal keystone

## Fast, easy setup and control

- USB Plug 'n Play — simply connect your PC to the projector and start presenting
- 1.6x optical zoom — offers great positioning flexibility to fit large or small rooms
- Focus Help — offers assistance for installers via a striped pattern and focus dial
- A/V Mute Slide — control your presentation; it's right at your fingertips
- Sleep Mode — set from 1 to 30 minutes to save energy when the A/V Mute Slide is closed or no signal is detected
- Direct Power On/Off — power the projector on and off with the flip of a wall switch
- Instant Off® — no cool-down time required, so it is ready to shut down when you are

## The Epson 1900 series multimedia projectors model comparison

### PowerLite 1945W

Widescreen resolution

Color Brightness<sup>2</sup>: 4200 lumens  
White Brightness<sup>2</sup>: 4200 lumens



WXGA  
Resolution  
1280 x 800

### PowerLite 1955

Brighter images

Color Brightness<sup>2</sup>: 4500 lumens  
White Brightness<sup>2</sup>: 4500 lumens



XGA  
Resolution  
1024 x 768

### PowerLite 1965

Step up to ultra-bright images

Color Brightness<sup>2</sup>: 5000 lumens  
White Brightness<sup>2</sup>: 5000 lumens



XGA  
Resolution  
1024 x 768

## Better Products for a Better Future™

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

### Eco Features

- Energy-efficient 3LCD light engine
- Recyclable product<sup>9</sup>
- Epson America, Inc. is a SmartWay<sup>SM</sup> Transport Partner<sup>10</sup>





## Award-winning Faroudja DCDi Cinema® for advanced video quality

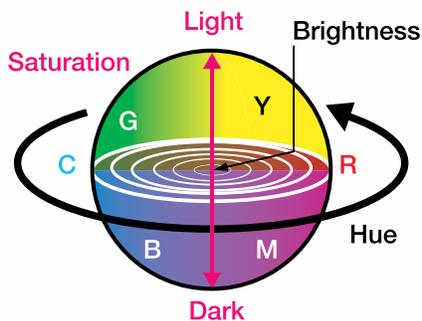
Faroudja DCDi Cinema is a video enhancement technology, used primarily for film viewing, that produces exceptional image quality without introducing artifacts. Faroudja developed DCDi (Directional Correlational Deinterlacing) to reduce jagged images by using a unique algorithm.

This algorithm, in combination with the technology's decoding, deinterlacing and enhancement features, won an Emmy® Award from the National Academy of Television Arts & Sciences.



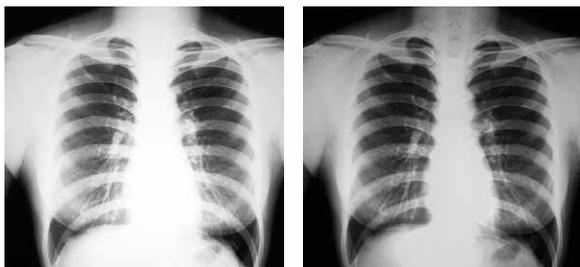
## Advanced color adjustments

For special projection material such as high-quality photographs or artwork, users can adjust the hue, saturation and brightness for six colors, RGBCMY (Red, Green, Blue, Cyan, Magenta, Yellow).



## DICOM Simulation Mode<sup>4</sup>

DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The projector's DICOM Simulation Mode enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.



▲ Normal Mode

▲ DICOM Simulation Mode

## Additional Features

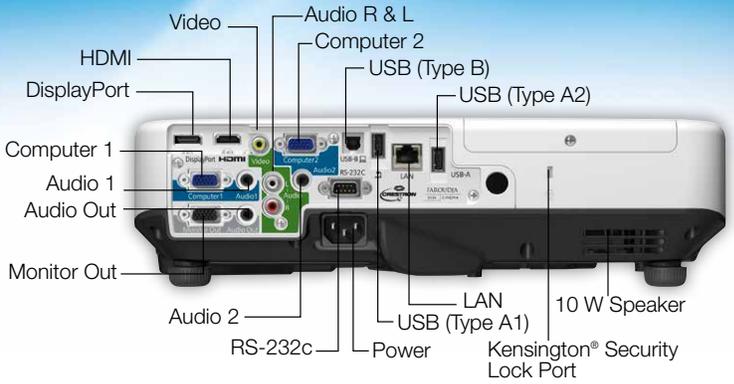
- **Remarkable detail** — XGA resolution (1955 and 1965); widescreen WXGA resolution (1945W); 3LCD, 3-chip technology; up to 3000:1 contrast ratio
- **Powerful video performance** — Faroudja DCDi Cinema, deinterlacing, noise reduction and sharpness enhancement for ultra-smooth video
- **Advanced wireless security protocol** — ideal for corporate applications; compatible with WEP, WPA, WPA2 and more
- **Digital DisplayPort and HDMI connectivity** — easily transmit both audio and video
- **Split Screen<sup>3</sup> feature** — project two images (video or still) side-by-side from two different sources simultaneously
- **Multi-PC projection** — display up to four individual screens simultaneously over the network to a total of 32 users
- **PC-free video and slideshows** — display video (MPEG, WMV) and images from your USB hard drive (supports PDF, JPEG, BMP, GIF and PNG files)
- **Network monitor and control** — included Epson monitor software allows for remote monitor and control of Epson networked projectors; also compatible with Crestron RoomView
- **Message Broadcasting<sup>8</sup>** — broadcasts customized images/alerts over the network for announcements or instructions
- **Site survey function** — easily find the SSID for your wireless LAN
- **Epson iProjection<sup>7</sup>** — share files and photos from mobile Apple® devices via your wireless or networked Epson projector
- **Schedule function** — easily control your projector at non-networked locations through the embedded “clock” inside
- **Automatic image adjustments** — automatic, real time, horizontal and vertical keystone correction for greater positioning flexibility

## PowerLite 1945W WXGA 3LCD Projector

## PowerLite 1955 XGA 3LCD Projector

## PowerLite 1965 XGA 3LCD Projector

Product Name	Product Code	UPC
PowerLite 1945W	V11H471020	0 10343 90011 0
PowerLite 1955	V11H490020	0 10343 90074 5
PowerLite 1965	V11H470020	0 10343 90012 7
Genuine Epson Lamp	V13H010L75	0 10343 90015 8
Replacement Air Filter	V13H134A41	0 10343 90013 4



### Specifications

#### Projection System

High-aperture Epson 3LCD, 3-chip technology

#### Projection Method

Front/ceiling mount, table

#### LCD Driving Method

Epson Poly-silicon TFT Active Matrix

#### Pixel Number

1945W: 1,024,000 x 3LCDs

1955: 786,432 x 3LCDs

1965: 786,432 x 3LCDs

#### Color Brightness<sup>2</sup> (Color Light Output)

1945W: 4200 lumens

1955: 4500 lumens

1965: 5000 lumens

#### White Brightness<sup>2</sup> (White Light Output)

1945W: 4200 lumens

1955: 4500 lumens

1965: 5000 lumens

#### Aspect Ratio

1945W: Native 16:10

1955: Native 4:3

1965: Native 4:3

#### Native Resolution

1945W: WXGA (1280 x 800)

1955: XGA (1024 x 768)

1965: XGA (1024 x 768)

#### Contrast Ratio (Normal, Dynamic Mode)

Up to 3000:1

#### Color Reproduction

Up to 1 billion colors

#### Lamp Type

245 W UHE

#### Lamp Life<sup>6</sup>

Up to 4000 hours (ECO Mode)

Up to 2500 hours (Normal Mode)

#### Brightness Uniformity (typical)

89%

#### Pixel Arrangement

Cross stripe

### Projection Lens

#### Screen Throw Ratio Range

1.38 – 2.24

#### Size (projected distance)

1945W: 29" – 280"

1955: 30" – 300"

1965: 30" – 300"

### Projection Lens (continued)

#### Type

Manual zoom/focus

**F-number:** 1.51 – 1.99

#### Focal Length

18.2 mm – 29.2 mm

#### Zoom Ratio

Optical zoom 1.0 – 1.6

#### Keystone Correction

Vertical: -30 degrees to +30 degrees

Horizontal: -30 degrees to +30 degrees

### Video

#### Video Standards

Analog: NTSC/NTSC4.43/PAL/M-PAL/N-PAL/

PAL60/SECAM

HDMI: 480i/576i/480p/576p/720p/1080i/1080p

#### Video Processing

3D Y/C separation, 3D noise reduction, mosquito

noise reduction

DCDI – Directional Correlational Deinterlacing

Motion-compensated Interlace-Progressive

conversion (2:2, 3:2 film detection)

Closed captioning

### Networking

#### Connectivity

Wired: 10/100Mbps

Wireless: 802.11b/g/n

#### Wireless Security:

WEP

WPA-PSK (AES / TKIP)

WPA-EAP (PEAP / PEAP-TLS / EAP-TLS /

EAP-Fast / LEAP)

WPA2-PSK (AES / TKIP)

WPA2-EAP (PEAP / PEAP-TLS / EAP-TLS /

EAP-Fast / LEAP)

#### Remote Control and Management

EasyMP Monitor

AMX Duet and Device Discovery

Crestron Integrated Partner and RoomView

PJLink

### Interfaces

DisplayPort

HDMI

Computer: D-sub 15 pin x 2

Video: RCA

### Interfaces (continued)

Wired Network: RJ-45

Wireless Network: WLAN

Serial: RS-232c

Monitor-Out: D-sub 15 pin USB (Type A1): For

document camera

USB (Type A2): For PC-Free

USB (Type B): For computer

### Other

**Speaker:** 10 W mono

**Audio Output:** 3.5 mm Jack

#### Operating Temperature

41 ° to 95 °F (5 ° to 35 °C)

#### Power Supply Voltage

100 – 240 V ±10%, 50/60 Hz AC

#### Power Consumption

1945W – 311 W (Normal Mode)

1955 – 353 W "

1965 – 353 W "

3.8 W standby (Network on)

0.5 W standby (Network off)

#### Fan Noise

37 dB (Normal Mode)

29 dB (ECO Mode)

#### Security

Kensington-style lock provision, anchor

(metal) bar for security lock or cable

### Dimensions (W x D x H)

#### Excluding feet

14.8" x 10.7" x 3.6" (377 x 271 x 93 mm)

#### Weight

8.5 lb (3.9 kg)

### Remote Control

#### Features

Color mode, brightness, contrast, tint, color

saturation, sharpness, input signal, sync, source

search, Split Screen<sup>7</sup>

#### Operating Angle

Front: Upper/lower 0 to +16 degrees

Left/Right: N/A

Rear: N/A

#### Operating Distance

39" – 138"

### 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, 90-day

limited lamp warranty, Epson Road Service

program and PrivateLine<sup>®</sup> dedicated toll-free

support (U.S. and Canada only)

### What's in the Box

A PowerLite projector, power cable, computer

cable, projector remote control, Wireless LAN

module, batteries, user manual CD, Quick Setup

Sheet, monitor and control CD

### Optional Accessories

Genuine Epson lamp	V13H010L75
Replacement air filter	V13H134A41
Replacement remote control	1566064
Universal projector ceiling mount	ELPMBPJF
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Wireless LAN module (ELPAP07)	V12H418P12
USB Quick Connect Key	V12H005M09
Kensington security lock	ELPSL01
Carrying case	V12H001K65

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 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 Consult your user manual for input combinations.

4 This projector does not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.

5 Data source: ProjectorCentral.com Jan. 2013. Average of 1128 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.

6 ECO Mode is up to 4000 hours. Normal Mode is up to 2500 hours. Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

7 Check your owner's manual to determine if a separate wireless LAN module must be purchased separately to enable wireless connection on your Epson projector. Epson projectors can be networked 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. Availability varies depending on model.

8 Works only with Epson projectors that support presentation over the network capability.

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

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