

PowerLite[®] 1945W, 1955 and 1965 3LCD PROJECTORS



PowerLite 1945W 3LCD Projector shown

Bright. Secure. Full-featured.

3x Brighter Colors¹, 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 lumens² (1945W), 4500 lumens² (1955) and 5000 lumens² (1965)

White Brightness: 4200 lumens² (1945W), 4500 lumens² (1955) and 5000 lumens² (1965)

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

Feature-rich — Split Screen³, Multi-PC display, PC-free presentation with video capabilities and PDF support, automatic horizontal/vertical image correction, Screen Fit tool, DICOM Simulation Mode⁴ and more

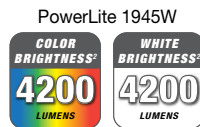
Bright. Secure. Full-featured.

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 Epson¹

Brilliant image quality requires high color brightness (color light output), and Epson® 3LCD projectors have 3x Brighter Colors than leading competitive projectors¹.

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.



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 costs⁵
- 20 years of road-tested reliability



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

- Delivers more lumens per watt and lasts up to 5000 hours⁶
- Minimizes both light diffraction and light leakage
- E-TORL lamps maximize your presentation time, while minimizing your costs

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.

EPSON



High color brightness and high white brightness

COMPETITOR



Color brightness significantly lower than white brightness

PowerLite 1955/1965



XGA (1024 x 768) resolution

PowerLite 1945W



WXGA (1280 x 800) resolution

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.

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™ App⁷ 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



Message Broadcasting⁸

- 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 Screen³ 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:

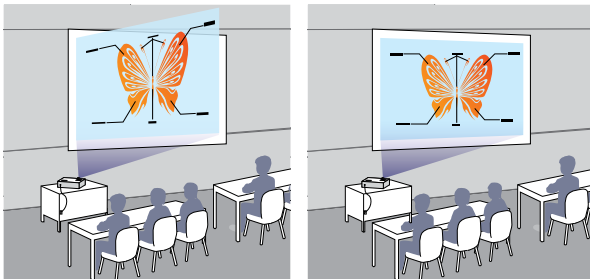
- Image files: PDF, JPEG, BMP, GIF, PNG
- Movie files: MPEG, WMV

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 Brightness²: 4200 lumens
White Brightness²: 4200 lumens



WXGA
Resolution
1280 x 800

PowerLite 1955

Brighter images

Color Brightness²: 4500 lumens
White Brightness²: 4500 lumens



XGA
Resolution
1024 x 768

PowerLite 1965

Step up to ultra-bright images

Color Brightness²: 5000 lumens
White Brightness²: 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

Eco Features

- Energy-efficient 3LCD light engine
- Recyclable product⁹
- Epson America, Inc. is a SmartWaySM Transport Partner¹⁰





Award-winning Faroudja DCDi Cinema® for advanced video quality

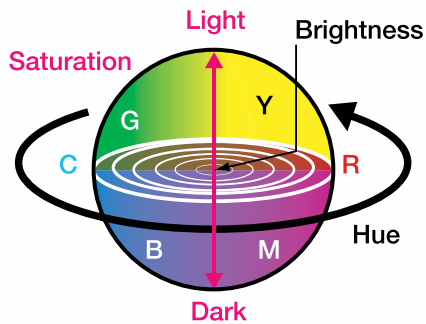
Faroudja DCDi Cinema is a video enhancement technology, used primarily for film viewing, that produces exceptional image quality without introducing artifacts. Faroudja developed DCDi (Directional Correlational Deinterlacing) to reduce jagged images by using a unique algorithm.

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.



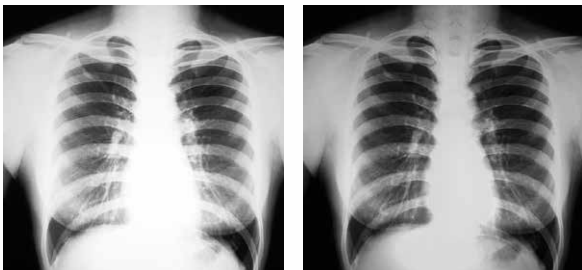
Advanced color adjustments

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 Mode⁴

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

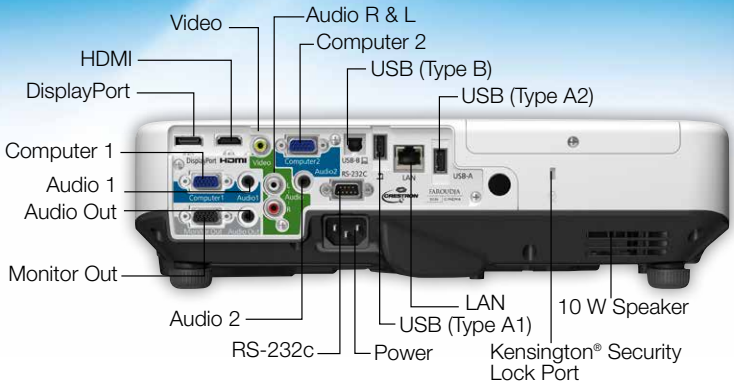
- **Remarkable detail** — XGA resolution (1955 and 1965); widescreen WXGA resolution (1945W); 3LCD, 3-chip technology; up to 3000:1 contrast ratio
- **Powerful video performance** — Faroudja DCDi Cinema, deinterlacing, noise reduction and sharpness enhancement for ultra-smooth video
- **Advanced wireless 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 Screen³ 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 Broadcasting⁸** — broadcasts customized images/alerts over the network for announcements or instructions
- **Site survey function** — easily find the SSID for your wireless LAN
- **Epson iProjection⁷** — 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 Brightness² (Color Light Output)
1945W: 4200 lumens
1955: 4500 lumens
1965: 5000 lumens

White Brightness² (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 Life⁶
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 Screen⁷

Operating Angle
Front: Upper/lower 0 to +16 degrees
Left/Right: N/A
Rear: N/A

Operating Distance
39" – 138"

Support

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

Service Programs
Two-year projector limited warranty, 90-day
limited lamp warranty, Epson Road Service
program and PrivateLine[®] 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 |

- 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.
- 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.
- Consult your user manual for input combinations.
- This projector does not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.
- 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.
- 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.
- 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.
- Works only with Epson projectors that support presentation over the network capability.
- See our website for convenient and reasonable recycling options at www.epson.com/recycle
- SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

Epson America, Inc.
3840 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada Limited
185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca