EPSON
EXCEED YOUR VISION

SPECIFICATION SHEET

Projectors

Portable

PowerLite® 1900 Series 3LCD Projectors

1930
XGA Resolution

1940W
WXGA Resolution

1950
XGA Resolution
Bright

1960
XGA Resolution
Ultra Bright



PowerLite 1940W shown

Bright projector solutions for smaller venues.

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 1930, 1940W, 1950 and 1960 have:
- Color Brightness: 4200 lumens (1930/1940W), 4500 lumens (1950) and 5000 lumens (1960)[2]
- White Brightness: 4200 lumens (1930/1940W), 4500 lumens (1950) and 5000 lumens (1960)[2]

Amazing image quality — WXGA (1280 x 800) resolution (1940W) and XGA (1024 x 768) resolution (1930, 1950 and 1960)

Advanced connectivity — Digital DisplayPort™, HDMI™, VGA, Composite and USB

Feature-rich — Split Screen[3], PC-free presentations with PDF viewer, automatic vertical image correction, easy-slide horizontal keystone correction, DICOM® Simulation Mode[4] and more

Powerful video performance — Faroudja DCDi Cinema®, deinterlacing, noise reduction and sharpness enhancement for ultra smooth video







BUILT TO PERFORM™



Projected screen image is simulated.

Bright projector solutions for smaller venues.

Keep presentations shining bright, even in ambient light, with the PowerLite 1930, 1940W, 1950 and 1960. Offering 3x Brighter Colors[1] than competitive models, Epson 3LCD projectors ensure bright, vivid presentations. Designed for corporate, education and house of worship use, this family of bright, feature-packed solutions projects vibrant images in virtually any setting. These sleek projectors can be easily carried between meeting rooms and classrooms or can be installed in small- to medium-size venues. Need widescreen, larger-than-life images? Select the PowerLite 1940W with WXGA resolution. Award-winning Faroudja® DCDi® technology, featured on all these models, reduces noise and enhances sharpness, creating smooth video images. And, Split Screen[3] enables you to conveniently display content from two different sources simultaneously. This family of PowerLite projectors truly is a bright solution for your presentation needs.

Projectors at a glance



Model:	PowerLite 1930	PowerLite 1940W	PowerLite 1950	PowerLite 1960
Color Brightness:	4200 lumens[2]	4200 lumens[2]	4500 lumens[2]	5000 lumens[2]
White Brightness:	4200 lumens[2]	4200 lumens[2]	4500 lumens[2]	5000 lumens[2]
Resolution:	XGA	WXGA	XGA	XGA

Epson®

Amazing image quality

3x Brighter Colors with Epson[1]

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.



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.

3LCD, the #1 projection technology in the world, has:

- Both high color brightness and high white brightness
- 3 chips for up to 3x Brighter Colors[1] than 1-chip DLP projectors
- 25% lower power consumption for lower energy costs[5]
- 25 years of road-tested reliability
- A nationwide study reveals that 9 out of 10 people prefer images from 3LCD projectors[6]



DcDi on

DcDi off

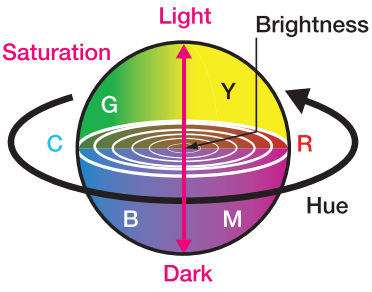
Award-winning Faroudja DcDi Cinema

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 and Yellow).



Epson

Convenient presentation tools

DICOM Simulation Mode[4]

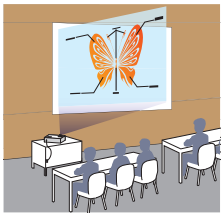
DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The projector's DICOM Simulation Mode enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14. This mode is ideal for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



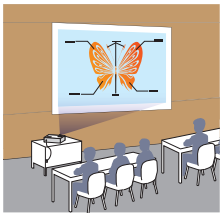
Normal Mode



DICOM Simulation Mode



Without horizontal keystone



With horizontal keystone

Horizontal keystone slider

Epson's horizontal image correction means you can project a rectangular image from almost any angle. Just move the easy-slide control bar to make the necessary adjustments. Your projector can be off to the side and above or below the screen, while your presentation is front and center.

Split Screen[3] 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

Advanced network tools

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

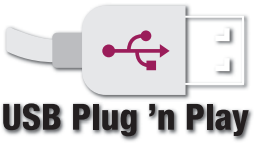
CERTIFIED CRESTRON Integrated Partner



Message Broadcasting[7]

- 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

Easy to use



Epson simple setup

- **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
- **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

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.



PC-free presentations, including PDFs

Just plug your USB hard drive into the USB port, and you are ready to display documents and images stored on your USB drive. Present a slideshow without having to connect to a PC. Compatible with the following file formats: PDF, JPEG, BMP, GIF and PNG.

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. 2014. Average of 1243 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 six brightness segments. 3LCD projectors averaged less required electricity per lumen in each of the six segments.
6 9 out of 10 people preferred images from leading 3LCD projectors over leading 1-chip DLP business and education projectors. Leading projectors selected according to NPD data as of July 2013. Based on independent U.S. research conducted by Radius Research (July 2013).
7 Works only with Epson projectors that support presentation over the network capability.
8 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.
9 See our website for convenient and reasonable recycling options at 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.

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
1930: 786,432 x 3LCDs
1940W: 1,024,000 x 3LCDs
1950: 786,432 x 3LCDs
1960: 786,432 x 3LCDs
Color Brightness[2] Color Light Output:
1930, 1940W: 4200 lumens
1950: 4500 lumens
1960: 5000 lumens
White Brightness[2] White Light Output:
1930, 1940W: 4200 lumens
1950: 4500 lumens
1960: 5000 lumens
Aspect Ratio
1930: Native 4:3
1940W: Native 16:10
1950: Native 4:3
1960: Native 4:3
Native Resolution
1930: XGA (1024 x 768)
1940W: WXGA (1280 x 800)
1950: XGA (1024 x 768)
1960: 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[8]
Up to 4000 hours (ECO Mode)
Up to 2500 hours (Normal Mode)
Brightness Uniformity (typical) 89%
Pixel Arrangement Cross stripe

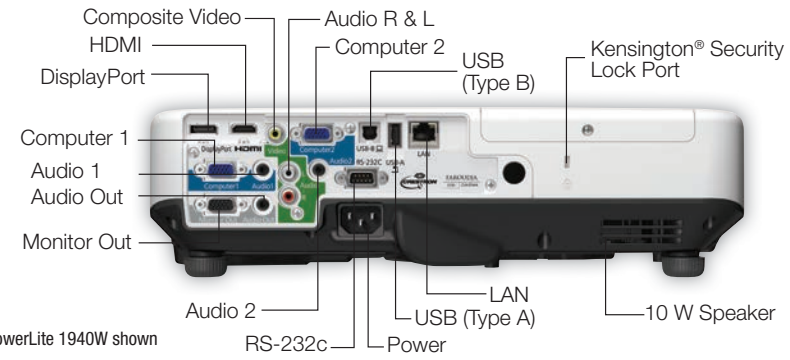
Projection Lens

Screen Throw Ratio Range 1.38 – 2.24
Size (projected distance)
1930: 30" – 300"
1940W: 29" – 280"
1950: 30" – 300"
1960: 30" – 300"
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

Interfaces



PowerLite 1940W shown

Networking

Connectivity
Wired: Integrated 10/100 Mbps
Remote Control and Management
EasyMP Monitor
AMX® Duet and Device Discovery
Crestron Integrated Partner and RoomView
PJLink

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
1930 – 298 W
1940W – 311 W
1950 – 353 W
1960 – 353 W
3.8 W standby (Network on)
0.5 W standby (Network off)
Fan Noise
29 dB (ECO Mode)
37 dB (Normal 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[3]
Operating Angle
Front: Upper/lower 0 to +16 degrees
Left/Right: N/A
Rear: N/A
Operating Distance
39" – 138"

Support

The Epson Connection[SM]
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, batteries, user manual CD, Quick Setup Sheet, monitor and control CD

Eco Features

Energy-efficient 3LCD light engine
RoHS compliant
Recyclable product[9]
Epson America, Inc. is a SmartWay[SM] Transport Partner[10]

Ordering Information

Product Name

PowerLite 1930	V11H506020
PowerLite 1940W	V11H474020
PowerLite 1950	V11H491020
PowerLite 1960	V11H473020

Accessories

Genuine Epson lamp (1930)	V13H010L74
Genuine Epson lamp (1940W, 1950, 1960)	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
Kensington security lock	ELPSL01
Carrying case	V12H001K65

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Getting There With Cleaner Air

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