PowerLite® 4650/4750W/4855WU 3LCD Projectors

The ultimate projection solution for any meeting space.

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 4650/4750W/4855WU has:
- Color Brightness: 4000 up to 5200 lumens²
- White Brightness: 4000 up to 5200 lumens²

Crisp, clear resolution — XGA, WXGA or WUXGA for incredible images

Lens shift — align images easily with horizontal and vertical lens shift

Versatile connectivity — easily integrate with any system with HDMI and DisplayPort

Convenient remote management — remotely monitor and control presentations

Epson iProjection™ — wirelessly display and control content from your iPhone®, iPad®, iPod touch® and Android™ devices³
**The ultimate projection solution for any meeting space.**
The PowerLite 4650, 4750W and 4855WU projectors provide brilliant color and amazing image quality with up to 5200 lumens of color brightness and up to 5200 lumens of white brightness[^7], plus up to WUXGA, Full HD resolution. These powerful products also feature Faroudja DCDi® video processing to ensure your image always looks its best. Setup is easy with a centered lens design, up to 2x optical zoom, and lens shift. Secure networking features allow for easy monitoring/control, Message broadcasting[^9], and displaying content over the network. Whether they’re used in the boardroom, or your living room, the PowerLite 4650, 4750W and 4855WU multimedia projectors deliver bright, vivid images that will captivate any audience.

### 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.

### 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[^5]
- 20 years of road-tested reliability

### Long-life lamp that’s easy to replace
This high-efficiency lamp lasts up to 5000 hours in ECO Mode and up to 4000 hours in Normal Mode[^6]. It can be replaced quickly and easily, without having to uninstall the projector from the ceiling.

### 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 ultraportable projectors designed for educational settings to boardroom-ready business projectors, Epson has the model made for you.
**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 eliminate jaggy images by using a unique algorithm. Epson has taken this technology and placed it into its projectors for a more enjoyable viewing experience.

**Stacked 3D solutions**

Create an impressive viewing experience with twice the brightness using Epson’s stacked 3D solution (requires two projectors). Using polarized filters, in combination with low-cost 3D glasses, you can enjoy the 3D theater experience, right in your own personal space.

**Split Screen**

Split Screen allows you to display content from two inputs simultaneously, side by side, on a single screen. With three layout options, you can display video and presentation materials. Or, you can run video on both screens.

**DICOM simulation mode**

DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. DICOM Simulation Mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes. It enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14.
Easy Management®
EasyMP® Monitor tool makes it easy to monitor and control all networked Epson projectors, set up email notifications, verify and change internal settings, and more. You can also remotely power down your projector(s) to extend the lamp life and produce energy savings.

Schedule function
Save energy using the convenient Schedule function. Easily control the projector at non-networked venues. The embedded “clock” inside the projector enables it to do scheduled tasks without having the “network stand-by mode” on.

Protect your investment — long-life electrostatic air filter
The PowerLite 4650/4750W/4855WU series filter is designed to protect the optical engine, lamp and electronics from small dust particles that can enter any projector. It has a recommended 10,000-hour filter cleaning schedule. The Epson electrostatic filter captures particles as small as three microns, due in part to its pleated, expanded design.

Easy maintenance
Offering convenient access to the lamps and filter, the PowerLite 4650/4750W/4855WU series makes maintenance easier than ever, even if the projector is ceiling mounted. The lamp and filter cover are located on the side panel for easy access, even when mounted.

Epson iProjection App
Display and control content from your iPhone, iPad or iPod touch and Android devices with the Epson iProjection App and any nearby wireless or networked Epson projector. This free application allows road warriors to travel light and present from their mobile devices. For teachers, it makes it easy to walk around the class and still be able to share engaging content — larger-than-life. The app is easy to use and navigate with intuitive menu options that make it simple to bring your content to the big screen. Find out how to set up your Epson iProjection App and learn more about your projector and device compatibility. To get started, visit epson.com/projectorapp

Lens shift
Epson lens shift technology enables outstanding installation flexibility with an incredible range of up to + or – 70° on the vertical axis and up to + or – 38° on the horizontal axis (may vary by model). Users can operate the lens shift functions using the adjustment knobs on the top of the projector.

Centered lens design
Featuring a centered lens design, the PowerLite 4650/4750W/4855WU series makes installation easy to plan. Positioning the ceiling mount, screen and projector can be performed individually and independent of one another.

Arc correction
Using arc correction, you can adjust each side of a projected image in an arc or barrel-shaped way, making it easier than ever to get a perfectly rectangular image.

Convenient test patterns
Make sure your presentation is set up correctly before you begin. These projectors feature nine test patterns including checking linearity, color reproduction, bleeding and tone production. They even detect distortion.
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.

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.

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.

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

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.

Recommendation based on normal room conditions. Cleaning requirements may vary depending on use, environment and other conditions. Cleaning intervals may be adjusted to accommodate the environment in which the projector is used.

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

Epson America, Inc. is a SmartWay™ Transport Partner™

List of models

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<tr>
<td>Color Brightness:</td>
<td>Color Brightness:</td>
<td>Color Brightness:</td>
</tr>
<tr>
<td>5200 lumens</td>
<td>4200 lumens</td>
<td>4000 lumens</td>
</tr>
<tr>
<td>White Brightness:</td>
<td>White Brightness:</td>
<td>White Brightness:</td>
</tr>
<tr>
<td>5200 lumens</td>
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<td>4000 lumens</td>
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<tr>
<td>Lens Shift Range:</td>
<td>Lens Shift Range:</td>
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<td>Horizontal – 38° Vertical – 70°</td>
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<tr>
<td>Connectivity:</td>
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<td>Video Processing:</td>
<td>Deinterlacing, Noise Reduction, Sharpness, Enhance</td>
<td></td>
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<tr>
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<td>Point Correction, Arc Correction, H/V Keystone, Quick Corner</td>
<td></td>
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</tbody>
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Additional Features/Benefits

- **Centered lens design** — position the ceiling mount, screen and projector independently; the screen will align with the lens at the center of the projector.
- **Lens shift** — offers installation flexibility with a range of motion of up to 70° vertical from center and 38° horizontal from center; also features lens shift lock.
- **Faroudja DCDi Cinema technology and 2:2 pull-down** — achieve exceptional video quality without introducing artifacts.
- **3D stacking** — using polarized filters and passive 3D glasses; or, double stack the projectors to display a 2D image and get double the brightness.
- **EasyMP Network Projection** — easily present content over the network.
- **Remote network monitoring and control** — plus Message broadcasting and built-in schedule functions.
- **Epson iProjection** — wirelessly display and control content from your iPhone, iPad or iPod touch and Android devices.
- **Up to 2x optical zoom** — ensures easy setup (Note: the 4855WU features 1.8x optical zoom).
- **Image scale and position adjustments** — adjust displayed images, based on your source, to fill up the entire display area — no more black bars.
- **Split Screen** — project two images (video or still) side-by-side from two different sources simultaneously.
- **Digital connectivity** — easily integrate your projector with any existing system, via HDMI and DisplayPort.
- **Point and arc correction** — adjust each side of an image for a perfectly rectangular image.

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 product
- Epson America, Inc. is a SmartWay™ Transport Partner

**SmartWay™**
Getting Cleaner While Cleaner Air

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 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.
4 Works only with Epson projectors that support presentation over the network capability.
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6 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.
7 Consult your user manual for input combinations.
8 This projector does not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.
9 Recommendation based on normal room conditions. Cleaning requirements may vary depending on use, environment and other conditions. Cleaning intervals may be adjusted to accommodate the environment in which the projector is used.
10 See our website for convenient and reasonable recycling options at www.epson.com/recycle
11 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.
PowerLite® 4650/4750W/4855WU
3LCD Projectors

Specifications

Product Name  Product Code  UPC
PowerLite 4650  V11H546020  0 10343 90804 8
PowerLite 4750W  V11H544020  0 10343 90806 2
PowerLite 4855WU  V11H543120  0 10343 90807 9
Genuine Epson Lamp  V13H010L77  0 10343 90809 3
Replacement Air Filter  V13H134A45  0 10343 90810 9

Specifications (continued)

Keystone Correction
Vertical: ±30 degrees
Horizontal: ±30 degrees

Lamp Power
4650/4750W: 280 UHE
4855WU: 260 UHE

Lamp Life 6 (ECO/Normal mode)
4855WU: 260 UHE
4650/4750W: 280 UHE

Video I/O
Display Performance
NTSC: 480 line
PAL: 576 line
PACKED (depends on observation of the multi-burst pattern)

Input Signal
NTSC/PAL/SECAM: 480/480i/576/576i

Pixel works: video chip
3D Y/C separation, noise reduction
Motion compensated

Interlace-Progressive conversion
2–3, 2–2, 3–2, 3–3 film detection

Interfaces
HDMI x 1
DisplayPort x 1
Computer: D-sub 15 pin x 1
Video: 1 S-BNC x 1
Video: 2 RCA x 1
Composite video: BNC x 1
S-Video x 1
Audio: 1 mini stereo x 3
Audio: 1 RCA (L&R) x 1
Network: RJ-45 x 1, 100 Mbps
USB Type-A x 1, Type-B x 1
Serial: RS-232c
Hardwire remote jack x 1
Monitor-out: D-sub 15 pin x 1

Standard Projection Lens
Type
Manual focus/zoom
F-number
1.50 – 2.14
Focal Length
16.72-33.47 mm
Zoom Ratio
Optical zoom
4650/4750W: 2.0x
4855WU: 1.5-2.5x
Throw Ratio Range
4650/4750W: 1.27–2.59
4855WU: 1.26–2.30

Effective Scanning Frequency Range
Pixel Clock
13.5 MHz – 162 MHz (up to UXGA 60 Hz)

Remote Control
Features
Power, source search selection, computer, video, AV mute, freeze, user ID, auto, aspect, color mode, number, page up and down, E-zoom, volume, help, menu, enter, esc and pointer functions

Operating Angle
Right/left:
Front: ± 60 degrees
Rear: ± 30 degrees
Upper/lower:
Front: ± 20 degrees
Rear: ±10 to +45 degrees
Operating Distance
48 ft

Dimensions (W x D x H)
Including Feet: 18.58” x 13.84” x 6.26”
Excluding Feet, Lens: 18.58” x 12.60” x 5.28”
Weight with standard lens: 14.3 lb

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

Service Programs
Two-year limited warranty, Road Service program, PrivateLine™ dedicated toll-free support (U.S. and Canada only) and 90-day limited lamp warranty

What's in the Box
A PowerLite projector, power cable, computer cable (VGA), projector remote control with batteries, user manual CD, EasyMP software CD, Quick Setup Sheet, PrivateLine support card, registration card, password protection sticker and lens lock screw

Other Features
Operating Temperature
32° to 113°F (0° to 45°C)

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

Power Consumption
4650/4750W: 409 W (Normal Mode)
4855WU: 387 W (ECO Mode)

Fan Noise
38 dB (Normal Mode)
32 dB (ECO Mode)

Security
Security cable hole, lens lock, Kensington™ lock provision

Notes
Specifications subject to change without notice. EPSON, EasyMP, Quick Corner, and Better Products and a Better Future and PowerLite and Quick Corner are registered trademarks. EPSON Exceed Your Vision is a registered logo and Better Products and a Better Future and Epson Projection are trademarks of Seiko Epson Corporation. PrivateLine is a registered trademark. Duet is a trademark and Epson Connection is a service mark of Epson America, Inc. Android is a trademark of Google Inc. iPad, iPhone, iPod touch and Mac are trademarks of Apple Inc., registered in the U.S. and other countries. SmartWay is a service mark of the U.S. Environmental Protection Agency. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks.

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