

PowerLite[®] 4770W WXGA 3LCD Projector

Projectors

Large Venue



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 4770W has:

Color Brightness: 5000 lumens²

White Brightness: 5000 lumens²

Crisp widescreen resolution — WXGA (1280 x 800) for sharp, brilliant detail

Easily align images — up to 70 percent vertical lens shift and up to 38 percent horizontal lens shift

Advanced installation features — including point and arc correction to easily adjust each side of an image for a perfectly rectangular image

Versatile connectivity — HDMI[®] and DisplayPort[™] inputs; wirelessly display and control content from smartphones and tablets (Android[™] and iOS[®] devices) with the Epson iProjection[™] App³

Remarkable video processing — Faroudja DCDi Cinema[®] technology helps you achieve exceptional video quality without introducing artifacts

Network management and control tools — remote presentations; built-in schedule function

Split Screen — project two images (video or still) side by side from two different sources, simultaneously⁴

Centered lens design — position the ceiling mount, screen and projector independently; screen will align with the lens at the center of the projector



Specifications

Projection System High-aperture Epson 3LCD, 3-chip technology
Projection Method Front/rear/ceiling mount
Driving Method Epson Poly-silicon TFT Active Matrix
Pixel Number 1,024,000 pixel (1280 x 800) x 3
Color Brightness² (Color Light Output): 5000 lumens
White Brightness² (White Light Output): 5000 lumens
Native Resolution 1280 x 800 (WXGA)
Resize 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050
Aspect Ratio Supports 4:3, 16:9, 16:10
Pixel Arrangement Cross stripe
Contrast Ratio (High Brightness, Dynamic Mode) 5000:1
Brightness Uniformity (typical) 90%
Color Reproduction Up to 1 billion colors
Size (projected distance) 30" – 300"
Lens Shift Vertical: ±70 percent, ±38 percent
Keystone Correction Vertical: ±30 degrees
 Horizontal: ±30 degrees
Lamp Type 280 UHE
Lamp Life⁵ (ECO/Normal Mode) 5000/4000 hours

Effective Scanning Frequency Range

Pixel Clock 13.5 MHz – 162 MHz (up to UXGA 60 Hz)
Horizontal 15 kHz – 92 kHz
Vertical 50 Hz – 85 Hz

Video I/O

Display Performance NTSC: 480 line, PAL: 576 line (depends on observation of the multi-burst pattern)
Input Signal NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM/480i/576i/480p/576p/720p/1080i/1080p
Pixeworks[®] Video Chip 3D Y/C separation, noise reduction motion compensated Interlace-Progressive conversion (2 – 2, 3 – 2 film detection)

Standard Projection Lens

Type Manual focus/zoom
F-number 1.50 – 2.14
Focal Length 16.72mm – 33.47mm
Zoom Ratio Optical zoom 1.0x – 2.0
Throw Ratio Range 1.27 – 2.59

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
 409 W (Normal Mode)
 311 W (ECO Mode)
 4.3 W Standby (Communication on)
 0.41 W Standby (Communication off)
Fan Noise 38 dB (Normal Mode), 32 dB (ECO Mode)
Security Security cable hole, lens lock, Kensington® lock provision

Interfaces

HDMI x 1
 DisplayPort x 1
 Computer: D-sub 15 pin x 1
 Composite Video: RCA x 1
 Component Video: BNC x 1S-video x 1
 Audio-in: Mini stereo x 3
 Audio-in: RCA (L&R) x 1
 Audio Out x 1
 Network: RJ-45 x 1, 100 Mbps Serial: RS-232c
 Hardwire remote jack x 1
 Monitor Out: D-sub 15 pin x 1



Dimensions (W x D x H)

Including Feet 18.58" x 13.94" x 6.26"
Excluding Feet, Lens 18.58" x 12.60" x 5.28"
Weight with Standard Lens 14.3 lb

Remote Control

Features Power, source search selection, computer, video, A/V 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 49 ft

Eco Features

RoHS compliant
 Recyclable product⁶
 Epson America, Inc. is a SmartWaySM Transport Partner⁷

Support

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

Service Programs

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

What's in the Box

PowerLite 4770W projector, lens cover, cable cover, HDMI cable clip, remote with batteries, power cord, VGA cable, projector documentation CD, projector software CD

Ordering Information

PowerLite 4770W	V11H748020
Genuine Epson lamp (ELPLP77)	V13H010L77
Replacement air filter (ELPAF45)	V13H134A45
Wireless LAN module (ELPAP07)	V12H418P12
Quick Wireless Connect key (ELPAP09)	V12H005M09
Replacement remote control	158279900
AP-60 projector sound solution	V12H329020
DC-11 document camera	V12H377020
DC-20 document camera	V12H500020
PixiePlus™ Control System for Epson® projectors	ELPSP10
Kensington Microsaver security lock	ELPSL01
Universal projector ceiling mount	ELPMBPJF
False ceiling plate kit	ELPMBP02
Duet™ screen	ELPSC80
Active speakers (ELPSP02)	V12H467020
Belkin Pro Series VGA cable, 25 ft	F3H982-25
Belkin PureAV HDMI cable, 12 ft	AV22300-12

1 Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. Leading Epson 3LCD business and education projectors compared to leading 1-chip DLP projectors, based on NPD data for June 2013 through May 2014 and PMA Research data for Q1 through Q3 2013. | **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 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. iOS supported formats and files: Microsoft® Word, Microsoft PowerPoint®, Microsoft Excel (Office 2003 or later), Keynote®, Adobe® PDF, JPG and PNG; Android supported formats and files: Adobe PDF (PDF 1.7), JPG/JPEG and PNG | **4** Consult your user manual for input combinations. | **5** Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | **6** For convenient and reasonable recycling options, visit www.epson.com/recycle | **7** SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.