

PowerLite® 685W WXGA 3LCD Ultra Short-throw Presentation Display

Bright

Color Brightness:
3,500 lumens¹

White Brightness:
3,500 lumens¹



Optional wall mount not included.

The ultimate ultra short-throw presentation display for BYOD classrooms.

3x Higher Color Brightness², and reliable performance — 3LCD, 3-chip technology

Bright display — 3,500 lumens color/white brightness¹

Amazing, widescreen images — native WXGA resolution (1280 x 800) and 16:10 format

Long-life lamp — lasts up to 10,000 hours in ECO Mode³

Ultra short-throw presentation display — get a 100" image from as little as 11" away with virtually no shadow interference

Simultaneously display and control multiple device screens — wirelessly share content from up to four devices, including Chromebooks, with Moderator software⁴

Manage your display and send announcements remotely — easy network connectivity; software included

Wireless support — display Chromebook[™], iOS[®], Android[™], Mac[®] and PC screens⁵

Versatile connectivity — 3x HDMI[®] supports multiple high-definition A/V devices, with MHL[®] support⁶

Powerful sound to engage every student — built-in 16 W speaker and microphone input; or, use external speakers, even in Standby Mode



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Specifications

Projection System 3LCD, 3-chip technology
Projection Method Front/rear/wall mount/table
Driving Method Poly-silicon TFT Active Matrix
Pixel Number 1,024,000 dots (1280 x 800) x 3
Color Brightness¹ Color Light Output: 3,500 lumens
White Brightness¹ White Light Output: 3,500 lumens
Aspect Ratio 16:10
Native Resolution 1280 x 800 (WXGA)
Resize 640 x 480 (VGA); 800 x 600 (SVGA); 1024 x 768 (XGA); 1280 x 960 (SXGA2); 1280 x 1024 (SXGA3); 1366 x 768 (WXGA 60-2); 1440 x 900 (WXGA+); 1400 x 1050 (SXGA+); 1600 x 900 (WXGA++); 1600 x 1200 (UXGA)
Lamp Type 250 W UHE
Lamp Life²
 Up to 10,000 hours (ECO Mode)
 Up to 5,000 hours (Normal Mode)
Throw Ratio Range 0.28 – 0.37
Size (Projected Distance) 60" – 100" (0.34 – 0.60 m)
Keystone Correction (Manual)
 Vertical: ±3 degrees
 Horizontal: ±3 degrees
Mac Connectivity Projector is Mac compatible via USB; DVI to HDMI or VGA adapter (not included); DP to HDMI or VGA adapter (not included)
Contrast Ratio Up to 14,000:1
Color Reproduction Up to 1.07 billion colors

Projection Lens

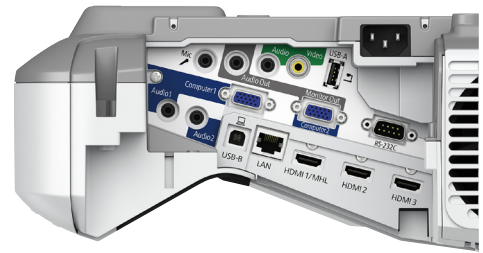
Type Digital zoom/Manual focus
F-number 1.6
Focal Length 3.7 mm
Zoom Ratio Digital zoom: 1.0 – 1.35

Other

Display Performance
 NTSC: 480 lines
 PAL: 576 lines (Depends on observation of the multi-burst pattern)
Input Signal NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM
Speaker 16 W (mono)
Operating Temperature 41 ° to 104 °F (5 ° to 40 °C)
Power Supply Voltage 100 – 240 V ±10%, 50/60 Hz
Power Consumption
 373 W (Normal Mode)
 324 W (ECO Mode)
 2.2 W Standby (Communication On)
 0.23 W Standby (Communication Off)
Fan Noise
 35 dB (Normal Mode)
 29 dB (ECO Mode)
Security Kensington-style lock provision, padlock and security cable hole, Password-protect Function

Interfaces

Wireless LAN Port 802.11(USB) b/g/n
 (Optional – module sold separately)
 Microphone: 1x
 RS-232c: 1x
 Video: 1x
 Audio in: 3x Mini Stereo
 USB (Type B): 1x
 USB (Type A Power): 1x
 Audio-out: 1x
 Monitor-out: 1x / Computer 2
 Computer: 2x
 Network: 1x RJ-45
 3x HDMI (1x MHL)



Dimensions (W x D x H)

Including Feet 14.5" x 15.8" x 7.4"
Excluding Feet 14.5" x 15.8" x 5.9"
Weight 12.6 lb

Remote Control

Features Source Search, HDMI/Video, LAN, Computer, USB, Power, Aspect, Color Mode, Volume, E-zoom, A/V Mute, Freeze, Menu, Page Up and Down, Home, Auto, Mouse Functions, User, Split Screen⁷
Operating Distance Front/rear: 19.7 ft (6 m)

Eco Features

RoHS compliant
 Recyclable product⁸
 Epson America, Inc. is a SmartWay® Transport Partner⁹

Support

Epson ConnectionSM
 Pre-sales support
 U.S. and Canada: 800-463-7766
 www.epson.com
Service Programs 2-year projector limited warranty, Epson Road Service program, PrivateLine® dedicated toll-free support and 90-day limited lamp warranty

What's in the Box

PowerLite 685W projector, 15' power cord, projector remote control, batteries, user manual CD, projector software CDs, Quick Setup Sheet, Installation Guide, template sheet, projector feet

Ordering Information

PowerLite 685W	V11H744520
Genuine Epson Lamp	V13H010L91
Air Filter (ELPAF49)	V13H134A49
PowerLite Pilot™ 2 (ELPCB02)	V12H614020
Active Speakers (ELPSP02)	V12H467020
Wireless 802.11b/g/n LAN Unit (ELPAP10)	V12H731P02
Epson DC-21 Document Camera (ELPDC21)	V12H758020
100" Whiteboard	V12H831000
Ultra Short-throw Wall Mount (ELPMB46)	V12H777020

¹ 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. | ² Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. The projectors used by a third-party lab for measuring color brightness were leading Epson 3LCD business and education projectors and leading 1-chip DLP projectors, based on NPD sales data for June 2013 through May 2014 and PMA Research sales data for Q1 through Q3 2013. | ³ Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | ⁴ Moderator feature is part of EasyMP® Multi-PC Projection software. | ⁵ For wireless functionality, including via the Epson iProjection™ App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See www.epson.com for details. | ⁶ Includes one Mobile High-Definition Link® (MHL) HDMI port. | ⁷ Consult your user manual for input combinations. | ⁸ For convenient and reasonable recycling options, visit www.epson.com/recycle | ⁹ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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