

#### SPECIFICATION SHEET

## PowerLite<sup>®</sup> 685W WXGA 3LCD Ultra Short-throw Presentation Display

### Bright

Color Brightness: 3,500 lumens<sup>1</sup> White Brightness: 3,500 lumens<sup>1</sup>



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

3x Higher Color Brightness<sup>2</sup>, and reliable performance — 3LCD, 3-chip technology

Bright display - 3,500 lumens color/white brightness<sup>1</sup>

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

Long-life lamp - lasts up to 10,000 hours in ECO Mode<sup>3</sup>

**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 software<sup>4</sup>

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

Wireless support — display Chromebook,<sup>™</sup> iOS,<sup>®</sup> Android,<sup>™</sup> Mac<sup>®</sup> and PC screens<sup>5</sup>

**Versatile connectivity** — 3x HDMI<sup>®</sup> supports multiple high-definition A/V devices, with MHL<sup>®</sup> support<sup>6</sup>

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

Displays









#### PowerLite<sup>®</sup> 685W WXGA 3LCD Ultra Short-throw Presentation Display

#### **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 Brightness<sup>1</sup> Color Light Output: 3,500 lumens White Brightness<sup>1</sup> 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 Life<sup>3</sup>

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) Construct Patie II to 11 00001

**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  $^\circ$  to 104  $^\circ$ F (5  $^\circ$  to 40  $^\circ$ C) Power Supply Voltage 100 - 240 V  $\pm10\%,$  50/60 Hz Power Consumption

#### 373 W (Normal Mode)

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 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"

Operating Distance Front/rear: 19.7 ft (6 m)

Epson America, Inc. is a SmartWay® Transport Partner9

Service Programs 2-year projector limited warranty, Epson

Road Service program, PrivateLine® dedicated toll-free support

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,

Weight 12.6 lb

Split Screen

**Eco Features** 

Recyclable product8

Epson Connection<sup>SM</sup>

U.S. and Canada: 800-463-7766

and 90-day limited lamp warranty

Pre-sales support

www.epson.com

RoHS compliant

Support

**Remote Control** 



# Education

Displays

#### 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 <sup>™</sup> 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 ISD 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 person 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<sup>®</sup> Multi-PC Projection software.] **5** For wireless functionality, including via the Epson iProjector<sup>™</sup> App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or ia 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<sup>®</sup> (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.

#### Better Products for a Better Future™ eco.epson.com

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