

# PowerLite<sup>®</sup> 685W for SMART Board<sup>®</sup> Interactive Whiteboards

Displays

Education

**WXGA  
Resolution**  
1280 x 800



Shown with optional wall mount (sold separately)

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

**Compatible** — specially designed to work with SMART Board M685 and 885 interactive whiteboards

**Seamless integration** — connect and control your display via the SMART Extended Control Panel (ECP)<sup>1</sup>

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

**Bright display** — 3,500 lumens color/white brightness<sup>3</sup>

**Long-life lamp** — lasts up to 10,000 hours in ECO Mode<sup>4</sup>

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

**Ultra short-throw presentation display** — get an 87" image from 8" away with virtually no shadow interference

**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>



**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>3</sup>** Color Light Output: 3,500 lumens  
**White Brightness<sup>3</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>4</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)  
**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 Screen<sup>7</sup>  
**Operating Distance** Front/rear: 19.7 ft (6 m)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>8</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>9</sup>

**Support**

**Epson Connection<sup>SM</sup>**  
 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 for SMART, 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 for SMART	V11H744620
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
Adapter for SMART UF55/65/70/75 series mounts	V12H870001

1 Existing SMART Board M685 and 885 installations require the SMART Cable Adapter Kit, sold separately. | 2 Color brightness (color light output) in brightest mode, measured by a third-party lab in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. Top-selling Epson 3LCD projectors versus top-selling 1-chip DLP projectors based on PMA Research sales data for Dec. 2015 through Nov. 2016. | 3 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. | 4 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | 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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