

# PowerLite® 685W for SMART Board® 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>

**Remarkable color accuracy** — 3LCD, 3-chip technology delivers high Color Brightness and a wide Color Gamut

**Bright display** — 3,500 lumens color/white brightness<sup>2</sup>

**Long-life lamp** — lasts up to 10,000 hours in ECO Mode<sup>3</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™, iOS®, Android™, Mac® and PC screens<sup>4</sup>

**Versatile connectivity** — 3x HDMI® supports multiple high-definition A/V devices, with MHL® support<sup>5</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>2</sup>** Color Light Output: 3,500 lumens  
**White Brightness<sup>2</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)  
**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>6</sup>  
**Operating Distance** Front/rear: 19.7 ft (6 m)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>7</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>8</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<sup>®</sup> 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 <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
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) 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 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | 4 For wireless functionality, including via the Epson iProjection<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 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. | 5 Includes one Mobile High-Definition Link<sup>™</sup> (MHL) HDMI port. | 6 Consult your user manual for input combinations. | 7 For convenient and reasonable recycling options, visit www.epson.com/recycle | 8 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

Learn more about how our products can empower your institution. Visit us at [www.epson.com/foreducation](http://www.epson.com/foreducation)

Better Products for a Better Future<sup>™</sup>  
[eco.epson.com](http://eco.epson.com)



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