

# EB-685W

## DATASHEET / BROCHURE



Innovative teaching solution with a large scalable screen size of up to 100 inches to display HD-ready WXGA content for enhanced learning.

The EB-685W's ultra-short-throw design allows you to present large images from a very short distance with minimised shadows and glare. With a brightness level of 3,500 lumens, an HD-ready WXGA resolution, a 14,000:1 contrast ratio, and HDMI input, students benefit from sharp, clear images.

### High-quality, bright images

Epson's 3LCD technology ensures high-quality images with equally high White and Colour Light Output for vivid colours and bright images, even in daylight, and three times brighter colours than leading competitive projectors<sup>1</sup>.

### Keep costs down

Project for longer with improved reliability and a longer lamp life of up to 10,000 hours in eco mode.

### Enhanced learning

Split-screen functionality allows two pieces of content to be displayed simultaneously without compromising on quality. The moderator function allows teachers to remain in control, choosing what content to display.

### Optional wireless capability

Wirelessly display content easily from a range of smart devices and Google Chromebooks using our iProjection App<sup>2</sup>.

### Document camera compatibility

Connecting the optional Epson document camera allows you to easily display images and 3D objects with incredible detail for the whole class to see.

## KEY FEATURES

- **Up to 100-inch display and outstanding quality**  
HD-ready WXGA resolution with Epson 3LCD technology
- **Reliable**  
Improved reliability and a longer lamp life
- **Wireless Connectivity (Optional)**  
Allows content to be shown from a range of devices
- **Long lamp life**  
Up to 10,000 hours in eco mode
- **Ultra short throw projection**  
For maximum installation flexibility



**EPSON**<sup>®</sup>  
EXCEED YOUR VISION

## PRODUCT SPECIFICATIONS

### TECHNOLOGY

Projection System	3LCD Technology
LCD Panel	0.59 inch with D9

### IMAGE

Color Light Output	3,500 Lumen- 2,900 Lumen (economy) In accordance with IDMS15.4
White Light Output	3,500 Lumen - 2,900 Lumen (economy) In accordance with ISO 21118:2012
Resolution	WXGA, 1280 x 800, 16:10
High Definition	HD ready
Aspect Ratio	16:10
Contrast Ratio	14,000 : 1
Light source	Lamp
Lamp	250 W, 5,000 h durability, 10,000 h durability (economy mode), 9,000 h durability (economy mode)
Keystone Correction	Manual vertical: $\pm 3^\circ$ , Manual horizontal $\pm 3^\circ$
Colour Video Processing	10 Bits
2D Vertical Refresh Rate	100 Hz - 120 Hz
Colour Reproduction	Upto 1.07 billion colours

### OPTICAL

Throw Ratio	0.28 - 0.37:1
Zoom	Digital, Factor: 1 - 1.35
Lens	Optical
Screen Size	60 inches - 100 inches
Projection Distance Wide	0.4 m ( 60 inch screen
Projection Distance Tele	0.6 m ( 100 inch screen
Projection Lens F Number	1.6
Projection Lens Focal Length	3.7 mm
Projection Lens Focus	Manual
Offset	6 : 1

### CONNECTIVITY

USB Display Function	3 in 1: Image / Mouse / Sound
Interfaces	USB 2.0 Type A, USB 2.0 Type B, RS-232C, HDMI in (3x), Composite in, RGB in (2x), RGB out, Stereo mini jack audio out, Stereo mini jack audio in (3x), Microphone input, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN IEEE 802.11b/g/n (optional), VGA in (2x), VGA out, MHL
Epson iProjection App	Ad-Hoc / Infrastructure

### ADVANCED FEATURES

Security	Kensington lock, Password lock, Security cable hole, Wireless LAN unit lock, Wireless LAN security, Password protection
2D Colour Modes	Dynamic, Cinema, Presentation, sRGB, Blackboard
Other features	Auto brightness adjustment, Automatic input selection, Built-in speaker, CEC compatible, Customizable user logo, Digital zoom, Direct Power on/off, Document Camera Compatible, Dynamic lamp control, Easy OSD pre-setting, Home Screen, Long lamp life, Split-Screen-Function, Wireless LAN capable
Interactivity	No
Video Color Modes	Blackboard, Dynamic, Presentation, Sports, sRGB, Theatre, Whiteboard
Projector control	via: AMX, Crestron, Control4

## EB-685W

### WHAT'S IN THE BOX

- Power cable
- Remote control incl. batteries
- CD Manual
- Quick Start Guide
- Wall hanging bracket
- Warranty card
- Main unit
- Safety Cable



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## PRODUCT SPECIFICATIONS

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EB-685W

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### GENERAL

Power consumption	354 Watt, 309 Watt (economy), 0.37 Watt (standby)
Supply Voltage	AC 100 V - 240 V, 50 Hz - 60 Hz
Product dimensions	367 x 400 x 149 mm (Width x Depth x Height)
Product weight	5.7 kg
Noise Level	Normal: 35 dB (A) - Economy: 30 dB (A) - Eco2: 29 dB (A)
Supported Temperature	Operation 5° C - 40° C, Storage -10° C - 60° C
Supported Humidity	Operation 20% - 80%, Storage 10% - 90%
	If the projector is suspended from a ceiling or wall mount and installed in an environment with heavy oil smoke or places where oils or chemicals are volatilized, places where a lot of smoke or bubbles are used for event staging, or where aroma oils are frequently burned, it can make certain parts of our products susceptible to a material degradation which over time could break and cause the projector to drop from the ceiling.
	If you are concerned about the environment in which your projector is installed, or if you have any other questions, please contact our support department and they can provide additional assistance.
Included Software	iProjection, Epson Projector Management
Options	Air filter ELPAF38, Connection and control box, Document camera, External Speaker, USB extension cable, Wireless LAN unit
Compatible Operating Systems	Linux, Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Ubuntu 14.10, Ubuntu 15.04, Ubuntu 15.10, Ubuntu 16.04 LTS, Windows 10, Windows 8, Windows 8.1
Loudspeaker	16 Watt
Room Type / Application	Meeting room / Classroom
Positioning	Wall Mounted
Colour	White / Grey
TCO Certified	For further information relating to TCO Certified please visit <a href="https://tcocertified.com/files/certification/Information-document-for-end-users.pdf">https://tcocertified.com/files/certification/Information-document-for-end-users.pdf</a>

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### OTHER

Warranty	60 months Carry in or 8,000 h, Lamp: 60 months or 1,000 h Optional warranty extension available
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## OPTIONAL ACCESSORIES

- ELPLP91  
V13H010L91
- Wireless LAN Adapter - ELPAP10  
V12H731P01
- Active Speakers (2 x 15W) - ELPSP02  
V12H467040DA
- Active Speakers (2 x 15W) - ELPSP02  
V12H467040
- Control and Connection Box - ELPCB02  
V12H614040
- Air Filter - ELPAF49  
V13H134A49
- Table Mount for Ultra-short-throw Series - ELPMB29  
V12H516040
- Control and Connection Box - ELPCB03  
V12H927040
- Control and Connection Box - ELPCB03  
V12H927040DA

EB-685W

## LOGISTICS INFORMATION

SKU	V11H744040 V11H744041
EAN code	8715946605210
Country of Origin	Philippines
Layer	2 Units



**3LCD**



\* Warranty offers are not available for all countries. Please contact your local Epson representative.

For further information please contact your local Epson office or visit [www.epson-europe.com](http://www.epson-europe.com)

Austria 01 253 49 78 333 Belgium +32 (0)2 792 04 47 Czech 800/142 052 Denmark 44 50 85 85 Finland 0201 552 091 France 09 74 75 04 04

(Cost of local call, operator charges may apply) Germany +49 (0) 2159/92 79 500 Greece +30 211 198 62 12 Hungary 06800 147 83 Ireland 01 436 7742

Italy 02-660321 10 (0,12 /min) Luxembourg +352 27860692 Middle East +9714 8872172 Netherlands +31 (0)20 708 5099 Norway +47 67 11 37 00

Poland 0-0-800 4911299 (0,16 zł/min) Portugal 707 222 111 Russia (095) 777-03-55 Slovakia 0850 111 429 South Africa (+2711) 465-9621

Spain 93 582 15 00 Sweden 0771-400135 (Mobilsamtal – 0,99 kr/min, Lokala samtal – 0,30 kr/min, Utlandssamtal – 0,89 kr/min) Switzerland 022 592 7923

Turkey (0212) 3360303 United Kingdom 0871 222 6702

1. - Colour Brightness (Colour Light Output) measured in accordance with IDMS 15.4. Colour Brightness will vary depending on usage conditions. Leading Epson 3LCD business and education projectors compared to leading one-chip DLP projectors, based on NPD data for June 2013 through May 2014 and PMA Research data for Q1 through Q3 2013. For more information please visit [www.epson.eu/CLO](http://www.epson.eu/CLO)  
2. -iProjection App available on Android and iOS devices, and Google Chromebooks.

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