

## DEVELOPMENT SPECIFICATION LIST FOR SETTING PLATE

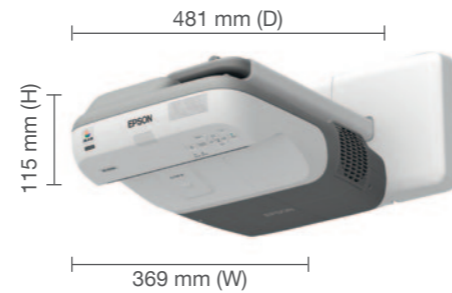
SHAPE OUTLINE Dimensions	Setting Plate (WxH): 457x247 mm					
Decoration	Cover, Cap, Dial (WxHxD): 466x263x42 mm					
Print (EPSON Logo)	Setting Plate: painting Cover, Cap, Dial: texturing No					
TECHNOLOGY	Projection to the screen (distance from wall to screen surface: 43 mm (1.6"))			Direct projection to the wall		
	Forward/backward slide adjustment	Min.	Max.	Forward/backward slide adjustment	Min.	Max.
Aspect Ratio	4:3	63	102	4:3	69	102
	16:10	60	96	16:10	65	96
	16:9	58	93	16:9	63	93
	Min: Approx distance from wall to projector is 113 mm (4.45") Max: Approx distance from wall to projector is 413 mm (16.3")					
ADJUSTMENT MECHANISM	Forward/backward slide adjustment range					
	0 to 300 mm (11.81") 0 to +4°					
Vertical slide adjustment range	Projection Distance Adjustment width is min. 0 to 28 mm (1.10") Projection Distance Adjustment width is max. 0 to 42.5 mm (1.67")					
	±5° (Fine adjustments possible with adjustment dial)					
Vertical tilt adjustment range	±5° (Fine adjustments possible with adjustment dial)					
Horizontal rotation adjustment range	±3° (Fine adjustments possible with adjustment dial)					
Horizontal roll adjustment range	±45 mm (1.77")					
Horizontal slide adjustment range	12 kg/cm					
Screw torque						
SAFETY	Fall prevention wire					
	No					
Fall prevention hole	Yes					
Weighting-resistant (the tip of the Setting Plate)	25 kg					
Weighting-resistant (the base of the Wall Plate)	70 kg					
WEIGHT	Setting Plate					
	6.3 kg					
Wall Plate	2.2 kg					
Wall Plate Cover, Cap for tip of Setting Plate	0.5 kg					
ACCESSORIES	Wall plate cover Cap for tip of setting plate Template sheet Screw set (include hexagon driver)					

## INTERACTIVE SPECIFICATIONS

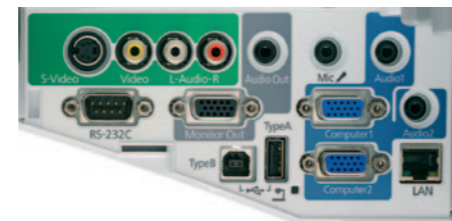
	Epson EB-450Wi	Epson EB-460i
SUPPORT SCREEN SIZE OF INTERACTIVE FUNCTION	59" to 97"	63" to 102"
TECHNOLOGY	Infrared	Infrared
INPUT DEVICE	Digital pen	Digital pen
CONNECTION TO THE COMPUTER	USB	USB
SUPPORTS MULTIPLE INPUT SIMULTANEOUSLY	No	No
SOFTWARE	Easy Interactive Driver Easy Interactive Tools	Easy Interactive Driver Easy Interactive Tools
COMPATIBILITY (EASY INTERACTIVE DRIVER)	Windows 2000 SP4 or later, Windows XP SP2 or later (Home Edition/Professional, Windows Vista* (All editions except for Starter) Windows 7* *32-bit versions only Mac OS X 10.3.x, Mac OS X 10.4.x, Mac OS X 10.5.x, Mac OS X 10.6.x	Windows 2000 SP4 or later Windows XP SP2 or later (Home Edition/Professional) Windows Vista* (All editions except for Starter), Windows 7*, *32-bit versions only Mac OS X 10.3.x, Mac OS X 10.4.x, Mac OS X 10.5.x, Mac OS X 10.6.x

## Epson ultra short throw range

### DIMENSIONS



### CONNECTIVITY



### THROWING DISTANCES AND SCREEN SIZES

Screen sizes	Throwing distances (cm)	
	XGA MODEL	WXGA MODEL
60"	-	8
63"	8	10
70"	13	16
75"	17	20
80"	21	24
85"	24	28
90"	28	32
96"	-	37
102"	37	-

### WHAT'S IN THE BOX

- Main unit
- Wall mount plate and cover
- Cable cover
- Easy Interactive Pen (ELPPN01)\*

### OPTIONAL ACCESSORIES

- Spare lamp (ELPLP57)
- Air filter Set (ELPAF27)
- Wireless LAN unit (ELPAP03)
- Quick wireless USB key (ELPAP05)
- Epson USB Visualiser (ELPDC06)

\*Epson EB-450Wi and EB-460i only

**EPSON**

## Epson ultra short throw range



# TEACHING INNOVATION



**EPSON**  
EXCEED YOUR VISION

# ULTRA SHORT PROJECTION

This new innovative range of education projectors is designed to deliver superior images in any size room. The unique mirror imaging technology allows you to project at an ultra short throw distance with no shadow on the screen or glare when presenting.

The Epson ultra short throw range has been designed with unique features, providing you with the right tools for effective presenting for teaching and training environments. Epson's new mirroring technology projects amazing widescreen images up to WXGA resolution from the shortest distance.

### Big projection, even in the smallest room

You don't need a big room to project a big image. Teachers and students can make the most of the space available. These ultra short throw projectors are able to display a sharply focused, bright, wide image of 70", 16:10 format screen, from just 16 cm distance. Shadow effects caused by people and objects in front of the screen are simply eliminated.



## Epson ultra short throw range

### New ultra short throw projector



Project widescreen images whilst standing next to the screen.

### Small room, big picture



The unique mirror imaging design achieves an ultra short projection distance, allowing you to project a large image in the smallest of rooms.

# INTERACTIVE TEACHING

Take interactive teaching beyond electronic whiteboards with the Epson EB-450Wi and EB-460i projectors. Now you can transform a suitable projection surface into an interactive one and take complete control of all aspects of your presentation or lecture.

Designed for the rapidly evolving IT needs in teaching, our interactive projectors make presenting much more spontaneous and interesting for the audience. The interactive pen fully replaces the traditional mouse and works on any surface, so there's no need for a costly interactive whiteboard installation.

The projector camera detects the position of the interactive pen on the screen or surface, enabling you to enhance presentations, make and save notes and take full control at every stage of your presentation.



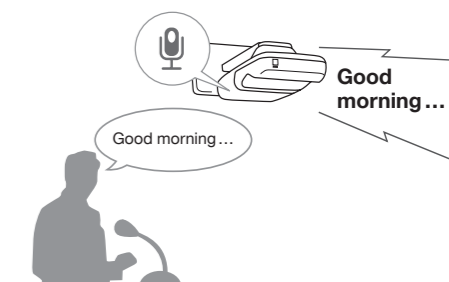
## Epson EB-450Wi Epson EB-460i

### Easy Interactive Pen



The Easy Interactive Pen works on almost any surface, adding a new dimension to your presentation.

### Sound integration into the classroom



As well as projecting high-quality images, these projectors have a powerful integrated speaker which can amplify content or the speaker's voice.

### Interactive features

- Compatible with multiple operating systems
- No need for an additional interactive whiteboard or device to be installed
- Users can interact directly on the surface with the Easy Interactive Pen
- Easy Interactive Pen and PC driver are included as standard

# ADVANCED FEATURES

Our projectors are built for no-nonsense, cutting-edge presentation from one device. Easy installation and setup, advanced features and low-cost design put these projectors at the top of the class.

### Simple installation and easy setup

Installation and maintenance are made easy with the bundled wall mount plate. With direct power on/off function from the power supply the projectors power up automatically and turn off instantly. Users can also achieve a square image to screen quickly, with excellent image sharpness even on the edge of the projected image.

### Plug and play presenting

The 2-in-1 USB display is the easiest way to present from a computer, because one cable handles both image and mouse controls. Project instantly, just plug an USB cable into your computer and projector, so no more unnecessary RGB cables and settings.

### Security functions

Keep your projector safe and secure by setting a password, disabling the control panel and only accessing main functions via the remote control. There's also a tough, lockable security bar and security sticker.

### Quick start / instant off functions

The Epson ultra short throw range of projectors is extremely quick, needing only a few seconds to start displaying information. The instant off feature turns off the projector immediately after you finish presenting. There's no waiting around to warm up or cool down either.

### Wireless convenience

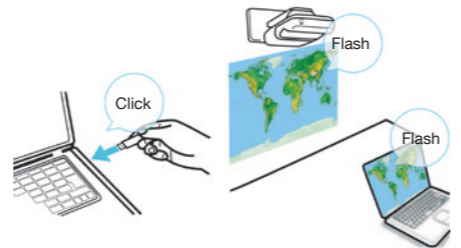
For an even more straight forward connection, simply plug in the optional wireless module to your computer and it's ready to 'talk' to your projector - you're ready to start presenting.

### Intuitive remote



You can navigate through projector functions and viewing modes, browse files and control presentations with the fully-featured remote.

### Simple, optional, wireless a/b/g module



**Optional quick wireless**  
Connection key for easy connection from your PC.

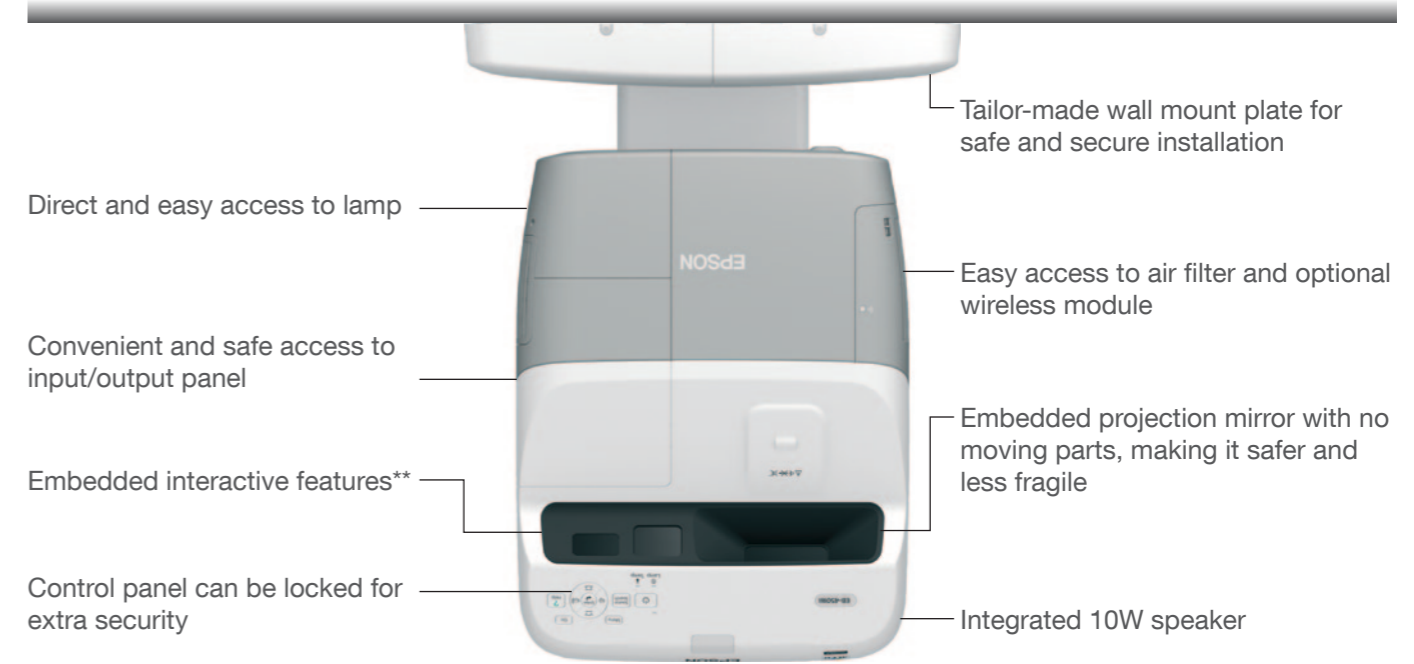


# MEETING DEMANDS

The Epson ultra short throw range provides advanced features to meet the high-tech demands of the education teaching environment. Modern presenting skills are supported by the best in projector technology and innovation.

Epson <b>EB-440W</b>	WXGA	2200 lm	10 W	2-in-1 USB display	WiFi + Ethernet*
Epson <b>EB-450W</b>	WXGA	2500 lm	10 W	2-in-1 USB display	WiFi + Ethernet*
Epson <b>EB-460</b>	XGA	3000 lm	10 W	2-in-1 USB display	WiFi + Ethernet*
Epson <b>EB-450Wi</b>	WXGA	2500 lm	10 W	2-in-1 USB display	WiFi + Ethernet*
Epson <b>EB-460i</b>	XGA	3000 lm	10 W	2-in-1 USB display	WiFi + Ethernet*

\*Wi-Fi optional



\*\*Epson EB-450Wi and EB-460i only

# No.1 FOR QUALITY

Advanced Epson 3LCD technology provides brighter images and more accurate colour and grey scale reproduction. It's what makes us the world No.1 for projectors since 2001.

### Bright natural images even in daylight

The quality behind every Epson projector, 3LCD imaging technology gives clear, defined images without flicker or colour break-up, so projected images are easy on the eye. Accurate colour reproduction is crucial for teaching, from geographic maps to projecting photo and fine art. The benefits are clear for education, in any room and in any light conditions – including daylight.

### Colour Light Output, the new metric for projector brightness

Colour Light Output measures how well a projector delivers colour. It provides you with a simple and easy to understand way to measure and assess a projectors colour performance. The Epson ultra short throw range of projectors provides a high brightness from 2200 to 3000 lumens.



Brightness (or white light output) measures the total amount of white light projected in lumens on a nine-point grid



Colour Light Output uses 3 sets of a nine-point grid to measure the primary colours – red, green and blue

### Environmentally-friendly and cost-effective

The Epson ultra short throw range has been designed and produced in compliance with our environmental policy. Saving both energy and costs, they boast a long lamp-life, a sleep timer function, paint-free design and recyclable packaging.

- Low power consumption in standby mode, timer functions and rapid power on/off
- Reduced pollution in the manufacturing process, with 100% recyclable packaging, paint free design and Eco-mode feature
- Provides clear visibility in light rooms, our low-wattage, affordable E-TORL Lamps last up to 3,500 hours saving you money



Source: Futuresource Consulting Ltd.



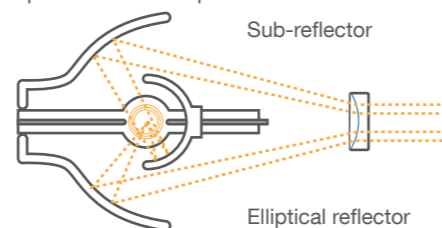
With 3LCD technology

Without 3LCD technology

3LCD technology provides superb image quality with smooth and natural colour, ideally suited for education.

## E-TORL

Epson E-TORL lamp



## PRODUCT SPECIFICATIONS

	Epson EB-440W	Epson EB-450W	Epson EB-460	Epson EB-450Wi	Epson EB-460i
<b>SPECIFICATION</b>					
Projection system (3LCD)	0.59" with MLA (x3) polysilicon TFT active matrix WXGA	0.59" with MLA (x3) polysilicon TFT active matrix WXGA	0.63" with MLA (x3) polysilicon TFT active matrix XGA	0.59" with MLA (x3) polysilicon TFT active matrix WXGA	0.63" with MLA (x3) polysilicon TFT active matrix XGA
Native resolution	WXGA	WXGA	XGA	WXGA	XGA
Native aspect ratio	16:10	16:10	4:3	16:10	4:3
Resolution supported	Up to 1080i	Up to 1080i	Up to 1080i	Up to 1080i	Up to 1080i
White Light Output* (Brightness)	2200 lm/1540 lm (normal/eco-mode)	2500 lm/1740 lm (normal/eco-mode)	3000 lm/2080 lm (normal/eco-mode)	2500 lm/1740 lm (normal/eco-mode)	3000 lm/2080 lm (normal/eco-mode)
Colour Light Output*	2200 lm/1540 lm (normal/eco-mode)	2500 lm/1740 lm (normal/eco-mode)	3000 lm/2080 lm (normal/eco-mode)	2500 lm/1740 lm (normal/eco-mode)	3000 lm/2080 lm (normal/eco-mode)
<b>PROJECTION LENS</b>					
F-number	1.80	1.80	1.80	1.80	1.80
Focal length	4.68 mm	4.68 mm	4.68 mm	4.68 mm	4.68 mm
Zoom ratio	Digital zoom 1-1.35	Digital zoom 1-1.35	Digital zoom 1-1.35	Digital zoom 1-1.35	Digital zoom 1-1.35
Offset	4.57:-1	4.57:-1	7.67:-1	4.57:-1	7.67:-1
<b>LAMP</b>					
Type	230 W UHE – E-TORL				
Life	2,500 hours/3,500 hours (normal/eco-mode)				
<b>IMAGE</b>					
Colour reproduction	Full-colour (16.77 million colours)				
Contrast ratio*	2,000:1				
Keystone correction	Vertical: ±5°				
<b>VISUAL INPUT</b>					
Computer	2 x D-sub 15-pin (RGB), 1 x USB 2.0 type B				
Video	1 x RCA, 1 x S-Video, 2 x Component (D-sub 15-pin)				
USB flash drive	1 x USB 2.0 type A				
Epson USB Visualiser	1 x USB 2.0 type A				
<b>VISUAL OUTPUT</b>					
Monitor	1 x D-sub 15-pin				
<b>AUDIO INPUT</b>					
Computer	2 x Stereo mini-jack				
Video	1 x RCA (White/Red)				
Microphone	1 x Stereo mini-jack				
<b>AUDIO OUTPUT</b>					
Computer	1 x Stereo mini-jack				
<b>CONTROL</b>	1 x LAN (RJ45), 1x RS-232C (D-sub 9-pin)				
<b>WIRELESS CONNECTION</b>	Optional wireless				
<b>EASY INTERACTIVE FUNCTION</b>	N/A	N/A	N/A	1 x Easy Interactive Pen	1 x Easy Interactive Pen
<b>ADVANCED FEATURES</b>	Quick start, instant off, source search, 8 colours mode, e-zoom, A/V mute, freeze				
<b>SECURITY</b>	Padlock and security cable hole, Kensington lock hole, password protection, wireless LAN unit lock				
<b>DIRECT POWER ON/OFF</b>	Yes				
<b>POWER REQUIREMENTS</b>					
Power supply wattage	100 – 240 V AC +/- 10%, 50/60 Hz				
Power consumption lamp on	343W/257W (normal/eco mode)				
Power consumption standby	12W/0.3W (network on/network off)				
<b>OPERATING TEMPERATURE/ALTITUDE</b>	0 °C to 35 °C/0 m to 2286 m				
<b>GENERAL</b>					
Weight	5.7 kg	5.7 kg	5.7 kg	5.8 kg	5.8 kg
Dimension (DxWxH)	481x369x115 mm	481x369x115 mm	481x369x115 mm	481x369x115 mm	481x369x115 mm
<b>FAN NOISE</b>	35 dB/28 dB (Normal/Eco)				
<b>ON-SCREEN MENU</b>	English/French/German/Italian/Spanish/Portuguese/Russian/Swedish/Norwegian/Finnish/Danish/Bulgarian/Dutch/Polish/Hungarian/Czech/Slovak/Romanian/Croatian/Slovenian/Ukrainian/Greek/Turkish/Arabic/Hebrew/Japanese/Simplified Chinese/Traditional Chinese/Korean/Catalan/Thai/Indonesian/Malay/Vietnamese				
<b>SUPPLIED ACCESSORIES</b>	Power cable 4.5 m, remote control + batteries, bundled software, password protected sticker, user manual, setting plate	Power cable 4.5 m, remote control + batteries, bundled software, password protected sticker, user manual, setting plate	Power cable 4.5 m, remote control + batteries, bundled software, password protected sticker, user manual, setting plate	USB cable 5 m, easy interactive pen power cable 4.5 m, remote control + batteries, bundled software, password protected sticker, user manual, setting plate	USB cable 5 m, easy interactive pen Power cable 4.5 m, remote control + batteries, bundled software, password protected sticker, user manual, setting plate
<b>SAFETY REGULATIONS</b>	EMC directive (2004/108/EC) CE marking GOST*				
<b>WARRANTY</b>	2 years on main unit, 1 year on lamp				

\* ISO 21118 based measurement