PROJECTOR INNOVATION

EPSON

EXCEED YOUR VISION

ULTRA SHORT PROJECTION

This new innovative range of projectors is designed to deliver superior images in any size classroom or meeting 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 ultra short distances.

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.

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.

INTERACTIVITY

Take interactive presentations beyond electronic whiteboards with the Epson EB-450Wi projector. 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 and training, 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.
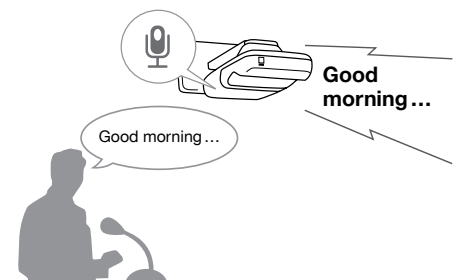
The projector camera detects the position of the interactive pen on the screen or surface, enabling you to enhance presentations, make and save notes and take full control at every stage of your presentation.

Easy Interactive Pen

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

Sound integration into the classroom

Good morning...

Good morning...

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 presentations 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 with excellent 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 **EB-450We**	WXGA	2500 lm	10 W	2-in-1 USB display		WiFi + Ethernet *
Epson **EB-460e**	XGA	3000 lm	10 W	2-in-1 USB display		WiFi + Ethernet *
Epson **EB-450Wi**	WXGA	2500 lm	10 W	2-in-1 USB display		WiFi + Ethernet *

*Wi-Fi optional

Direct and easy access to lamp

Convenient and safe access to input/output panel

Embedded interactive features**

Control panel can be locked for extra security

Tailor-made wall mount plate for safe and secure installation

Easy access to air filter and optional wireless module

Embedded projection mirror with no moving parts, making it safer and less fragile

Integrated 10W speaker

**Epson EB-450Wi only

No.1 FOR QUALITY

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

Source: Futuresource Consulting Ltd.

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 2500 to 3000 lumens.
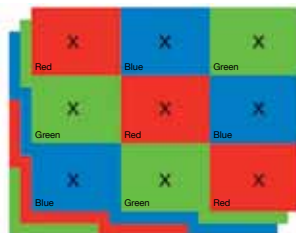
With 3LCD technology

Without 3LCD technology

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

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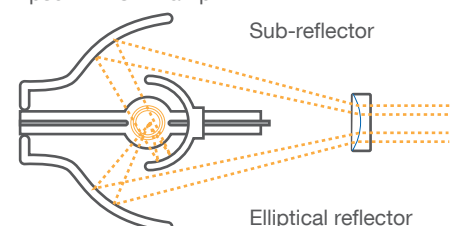
Environmentally-friendly and cost-effective
The Epson ultra short throw range has been designed and produced in compliance with our environmental policy. Saving both energy and costs, they boast a long lamp-life, a sleep timer function, paint-free design and recyclable packaging.

- 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

E-TORL

Epson E-TORL lamp

Sub-reflector

Elliptical reflector

PRODUCT SPECIFICATIONS

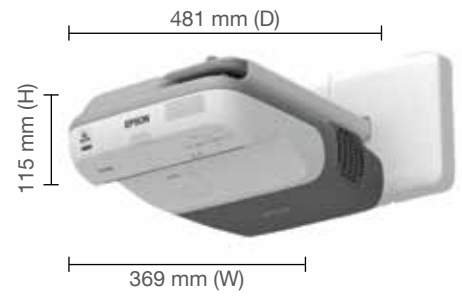|	Epson **EB-450We**	Epson **EB-460e**	Epson **EB-450Wi**
SPECIFICATION Projection system (3LCD) Native resolution Native aspect ratio Resolution supported White Light Output* (Brightness) Colour Light Output*	0.59" with MLA (x3) polysilicon TFT active matrix WXGA 16:10 Up to 1080i 2500 lm/1740 lm (normal/eco-mode) 2500 lm/1740 lm (normal/eco-mode)	0.63" with MLA (x3) polysilicon TFT active matrix XGA 4:3 Up to 1080i 3000 lm/2080 lm (normal/eco-mode) 3000 lm/2080 lm (normal/eco-mode)	0.59" with MLA (x3) polysilicon TFT active matrix WXGA 16:10 Up to 1080i 2500 lm/1740 lm (normal/eco-mode) 2500 lm/1740 lm (normal/eco-mode)
PROJECTION LENS F-number Focal length Zoom ratio Offset	1.80 4.68 mm Digital zoom 1-1.35 4.57:-1	1.80 4.68 mm Digital zoom 1-1.35 7.67:-1	1.80 4.68 mm Digital zoom 1-1.35 4.57:-1
LAMP Type Life	230 W UHE – E-TORL 2,500 hours/3,500 hours (normal/eco-mode)		
IMAGE Colour reproduction Contrast ratio* Keystone correction	Full-colour (16.77 million colours) 2,000:1 Vertical: ±5°		
VISUAL INPUT Computer Video USB flash drive Epson USB Visualiser	2 x D-sub 15-pin (RGB), 1 x USB 2.0 type B 1 x RCA, 1 x S-Video, 2 x Component (D-sub 15-pin) 1 x USB 2.0 type A 1 x USB 2.0 type A		
VISUAL OUTPUT Monitor	1 x D-sub 15-pin		
AUDIO INPUT Computer Video Microphone	2 x Stereo mini-jack 1 x RCA (White/Red) 1 x Stereo mini-jack		
AUDIO OUTPUT Computer	1 x Stereo mini-jack		
CONTROL	1 x LAN (RJ45), 1x RS-232C (D-sub 9-pin)		
WIRELESS CONNECTION	Optional wireless		
EASY INTERACTIVE FUNCTION	N/A	N/A	1 x Easy Interactive Pen
ADVANCED FEATURES	Quick start, instant off, source search, 8 colours mode, e-zoom, A/V mute, freeze		
SECURITY	Padlock and security cable hole, Kensington lock hole, password protection, wireless LAN unit lock		
DIRECT POWER ON/OFF	Yes		
POWER REQUIREMENTS Power supply wattage Power consumption lamp on Power consumption standby	100 – 240 V AC +/- 10%, 50/60 Hz 343W/257W (normal/eco mode) 12W/0.3W (network on/network off)		
OPERATING TEMPERATURE/ALTITUDE	0 °C to 35 °C / 0 m to 2286 m		
GENERAL Weight Dimension (DxWxH)	5.7 kg 481x369x115 mm	5.7 kg 481x369x115 mm	5.8 kg 481x369x115 mm
FAN NOISE	35 dB/28 dB (Normal/Eco)		
ON-SCREEN MENU	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		
SUPPLIED ACCESSORIES	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
SAFETY REGULATIONS	EMC directive (2004/108/EC) CE marking GOST®		
WARRANTY	3 years on main unit, 1 year on lamp***		

* ISO 21118 based measurement
*** (1 year or 750 hrs)

DEVELOPMENT SPECIFICATION LIST FOR SETTING PLATE

SHAPE OUTLINE	
Dimensions	Setting Plate (WxH): 457x247 mm
	Cover, Cap, Dial (WxHxD): 466x263x42 mm
Decoration	Setting Plate: painting
	Cover, Cap, Dial: texturing
Print (Epson Logo)	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	Aspect Ratio	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")
Vertical slide adjustment range	0 to +4°
	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")
Vertical tilt adjustment range	±5° (Fine adjustments possible with adjustment dial)
Horizontal rotation adjustment range	±5° (Fine adjustments possible with adjustment dial)
Horizontal roll adjustment range	±3° (Fine adjustments possible with adjustment dial)
Horizontal slide adjustment range	±45 mm (1.77")
Screw torque	12 kg/cm

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 (includes hexagon driver)

INTERACTIVE SPECIFICATIONS

	Epson **EB-450Wi**
SUPPORT SCREEN SIZE OF INTERACTIVE FUNCTION	59" to 97"
TECHNOLOGY	Infrared
INPUT DEVICE	Digital pen
CONNECTION TO THE COMPUTER	USB
SUPPORTS MULTIPLE INPUT SIMULTANEOUSLY	No
SOFTWARE	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

DIMENSIONS

481 mm (D)
115 mm (H)
369 mm (W)

CONNECTIVITY

THROWING DISTANCES AND SCREEN SIZES

		Throwing distances (cm)	
		XGA MODEL	**WXGA MODEL**
Screen sizes	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

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