

DEVELOPMENT SPECIFICATION LIST FOR SETTING PLATE

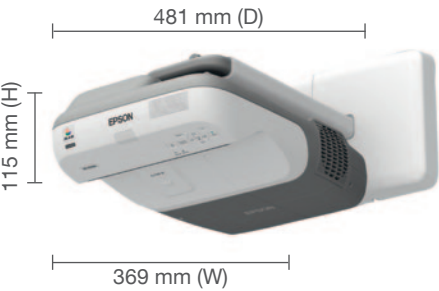
| | | | | | |
|-----------------------------|--|-------|------|--|--------------|
| SHAPE OUTLINE Dimensions | Setting Plate (WxH): 457x247 mm Cover, Cap, Dial (WxHxD): 466x263x42 mm Setting Plate: painting Cover, Cap, Dial: texturing No | | | | |
| Decoration | | | | | |
| Print (EPSON Logo) | | | | | |
| TECHNOLOGY | Projection to the screen (distance from wall to screen surface: 43 mm (1.6")) | | | Direct projection to the wall | |
| | Forward/backward slide adjustment | | | Forward/backward slide adjustment | |
| | | Min. | Max. | | |
| | Aspect Ratio | 4:3 | 63 | 102 | Aspect Ratio |
| | | 16:10 | 60 | 96 | |
| ADJUSTMENT MECHANISM | Forward/backward slide adjustment range | | | Vertical slide adjustment range | |
| | Vertical tilt adjustment range | | | Horizontal rotation adjustment range | |
| | Horizontal rotation adjustment range | | | Horizontal roll adjustment range | |
| | Horizontal roll adjustment range | | | Horizontal slide adjustment range | |
| | Screw torque | | | Screw torque | |
| SAFETY | Fall prevention wire | | | Fall prevention hole | |
| | Weighting-resistant (the tip of the Setting Plate) | | | Weighting-resistant (the base of the Wall Plate) | |
| | Weighting-resistant (the base of the Wall Plate) | | | Weighting-resistant (the base of the Wall Plate) | |
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| | Weighting-resistant (the base of the Wall Plate) | | | Weighting-resistant (the base of the Wall Plate) | |
| WEIGHT | Setting Plate | | | Wall Plate | |
| | Wall Plate | | | Wall Plate Cover, Cap for tip of Setting Plate | |
| | Wall Plate Cover, Cap for tip of Setting Plate | | | Wall Plate Cover, Cap for tip of Setting Plate | |
| | Wall Plate Cover, Cap for tip of Setting Plate | | | Wall Plate Cover, Cap for tip of Setting Plate | |
| | Wall Plate Cover, Cap for tip of Setting Plate | | | Wall Plate Cover, Cap for tip of Setting Plate | |
| ACCESSORIES | Wall plate cover | | | Cap for tip of setting plate | |
| | Cap for tip of setting plate | | | Template sheet | |
| | Template sheet | | | Screw set (include hexagon driver) | |
| | Screw set (include hexagon driver) | | | Screw set (include hexagon driver) | |
| | Screw set (include hexagon driver) | | | Screw set (include hexagon driver) | |

INTERACTIVE SPECIFICATIONS

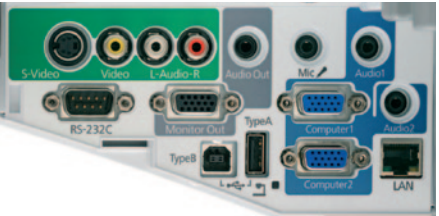
| | Epson EB-450Wi | Epson EB-460i |
|---|--|---|
| SUPPORT SCREEN SIZE OF INTERACTIVE FUNCTION | 59" to 97" | 63" to 102" |
| TECHNOLOGY | Infrared | Infrared |
| INPUT DEVICE | Digital pen | Digital pen |
| CONNECTION TO THE COMPUTER | USB | USB |
| SUPPORTS MULTIPLE INPUT SIMULTANEOUSLY | No | No |
| 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

| | | 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 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.

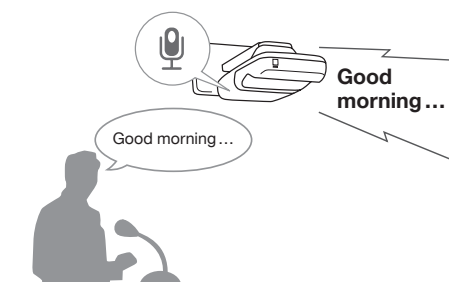
Epson EB-450Wi Epson EB-460i

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

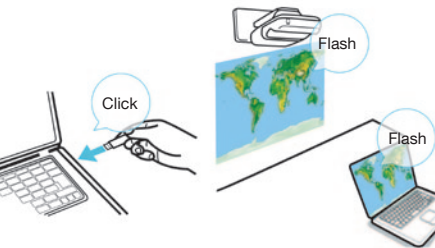
For an even more straight forward connection, simply plug in the optional wireless module to your computer and it's ready to 'talk' to your projector – you're ready to start presenting.

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.

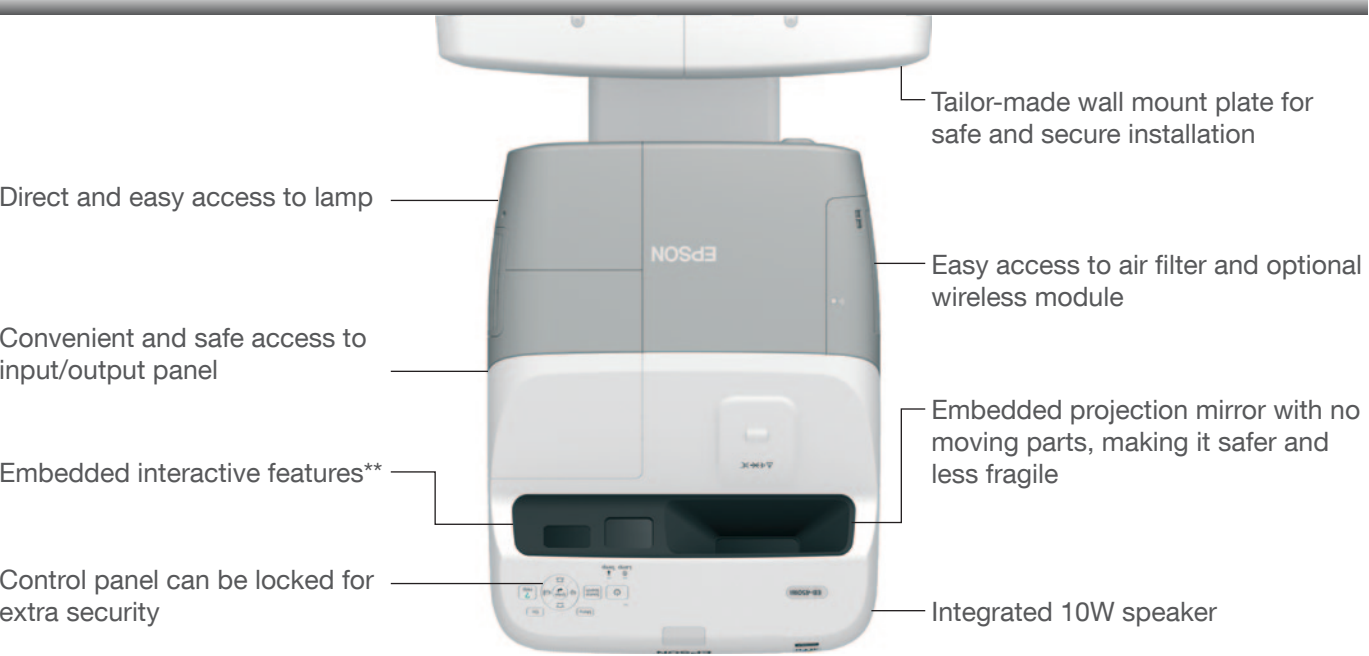


MEETING DEMANDS

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 EB-440W | | | | | |
| Epson EB-450W | | | | | |
| Epson EB-460 | | | | | |
| Epson EB-450Wi | | | | | |
| Epson EB-460i | | | | | |

*Wi-Fi optional



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

No.1 FOR QUALITY

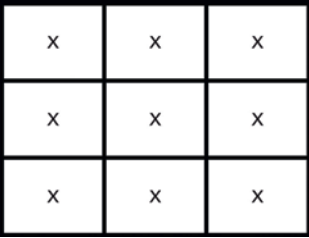
Advanced Epson 3LCD technology provides brighter images and more accurate colour and grey scale reproduction. It’s what makes us the world No.1 for projectors since 2001.

Bright natural images even in daylight

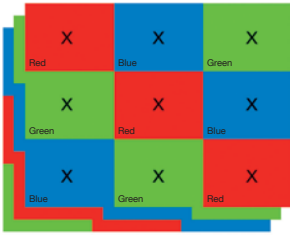
The quality behind every Epson projector, 3LCD imaging technology gives clear, defined images without flicker or colour break-up, so projected images are easy on the eye. Accurate colour reproduction is crucial for teaching, from geographic maps to projecting photo and fine art. The benefits are clear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



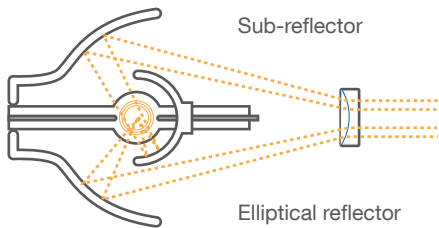
With 3LCD technology

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 |
|----------------------------------|---|---|---|---|---|
| SPECIFICATION | | | | | |
| 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 | 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) |
| PROJECTION LENS | | | | | |
| 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 |
| LAMP | | | | | |
| Type | 230 W UHE – E-TORL | | | | |
| Life | 2,500 hours/3,500 hours (normal/eco-mode) | | | | |
| IMAGE | | | | | |
| Colour reproduction | Full-colour (16.77 million colours) | | | | |
| Contrast ratio* | 2,000:1 | | | | |
| Keystone correction | Vertical: ±5° | | | | |
| VISUAL INPUT | | | | | |
| 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 | | | | |
| VISUAL OUTPUT | | | | | |
| Monitor | 1 x D-sub 15-pin | | | | |
| AUDIO INPUT | | | | | |
| Computer | 2 x Stereo mini-jack | | | | |
| Video | 1 x RCA (White/Red) | | | | |
| Microphone | 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 | N/A | 1 x Easy Interactive Pen | 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 | 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) | | | | |
| OPERATING TEMPERATURE/ALTITUDE | 0 °C to 35 °C/0 m to 2286 m | | | | |
| GENERAL | | | | | |
| 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 |
| 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 | 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 |
| SAFETY REGULATIONS | EMC directive (2004/108/EC) CE marking GOST® | | | | |
| WARRANTY | 2 years on main unit, 1 year on lamp | | | | |

* ISO 21118 based measurement