

**INTERACTIVE PROJECTORS WITH  
 SPACE DEFYING PERFORMANCE.**



Epson's breakthrough 3LCD technology for brilliant short-throw projection now comes with fully integrated interactive features. Regardless of space constraints, Epson short-throw projectors deliver superb performance and more engaging discussions with dual simultaneous on-screen pen input that allows live annotations to be saved to your connected PC or laptop.



EB-421i/431i/426Wi/436Wi



Dual Interactive Pens



Short Throw



Resizeable Preview Window



16W Speaker



iProjection

**ENGINEERED FOR BUSINESS**

**Superb Short-Throw Performance**

Its advanced short-throw lens with reduced glare and shadow interference delivers remarkably large and clear projection quality in small rooms.

**Powerful Interactive Functions**

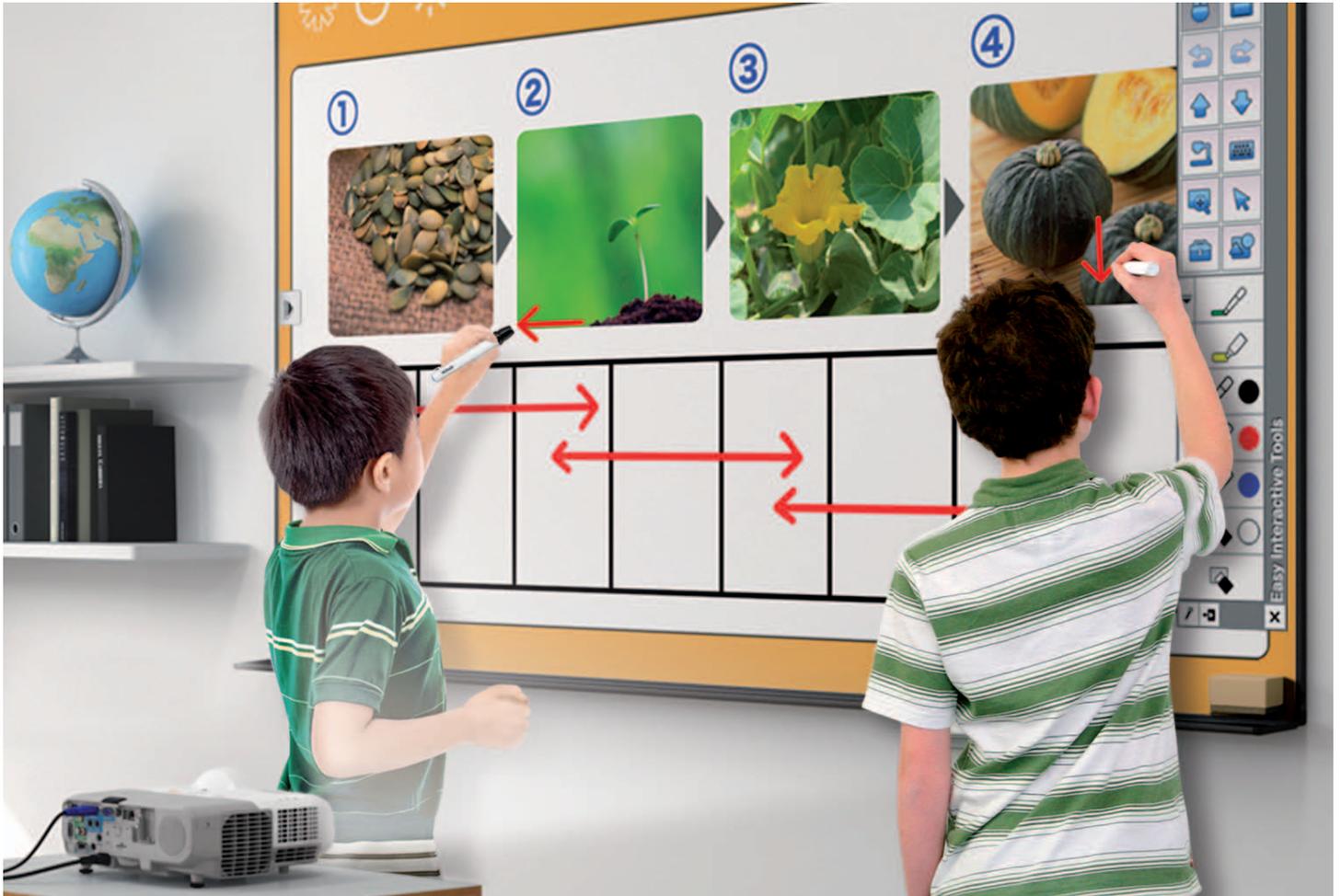
Two unique interactive pens let you easily conduct interactive discussions or presentations on almost any surface, with or without a PC.

**Flexible Positioning**

Flexible projection modes for Wall Mount, Ceiling Mount and Desktop allow you place the projector according to your needs.



Epson's latest short-throw projectors come with proven 3LCD technology for brilliant image quality and the ability to project large screen sizes even at close range. New interactive features open the doors for more creative presentations, allowing you to engage and participate with your audience like never before.



### Superb Short-Throw Performance

With Epson short-throw projectors, you don't need a big room to project a large screen for maximum impact. The short focus lens also allows you to place the projector closer to the screen, thereby greatly reducing glare and shadows cast from the presenter. The result is a more conducive and comfortable experience for everyone in the room.



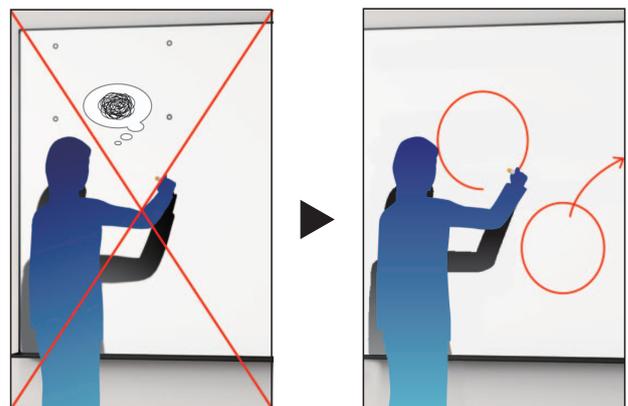
Conventional projector with shadow interference

Epson Short Throw Projector

### Powerful Interactive Functions

#### Easy Set-Up

Projector set-up is simply plug and play, with a one-time Auto Calibration and Auto resolution adjustment. No other drivers are required except for Mac OS.



Calibration with interactive pen during setup can be skipped with the new auto calibration feature

Users can advance straight to use the interactive feature with a click of the button

## PC-free Interactivity

A true Epson Original – the EB-421i, 431i, 426Wi and 436Wi projectors can be annotated without a PC connection, enabling maximum interactivity with minimal requirements. Users can quickly and easily switch between PC-connected and PC-free modes by either using an interactive pen to activate a hot spot on screen, or by activating a dedicated button on the remote control.

## Dual On-screen Pen

Two persons may write on-screen at the same time by just writing over the projections with Epson's interactive pens. They work like a computer mouse and are easily gripped by children and adults, allowing natural, on-screen annotation with a variety of input sources.



## Flexible Positioning

Epson short-throw projectors give you greater possibilities for all kinds of creative applications. The projector can be mounted on a wall or set on a desktop and is effective on any surface, be it a flat wall, a whiteboard or even a chalkboard. This means you can easily take advantage of underutilised classroom space by turning any existing board into an interactive projection surface.



Desktop projection



Wall mount projection

## Epson Easy Interactive Tools

The bundled Easy Interactive Tool software allows you to electronically annotate documents using the pen to highlight, draw and edit contents for more compelling presentations.

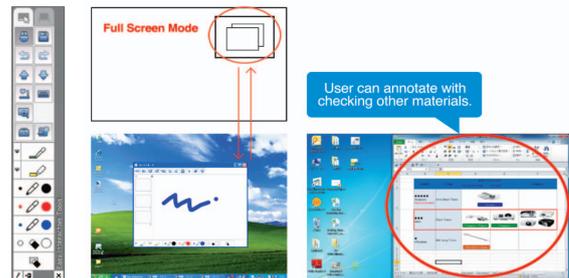
### Integration with MS PowerPoint

When linked to a PC, you can write annotations and diagrams directly onto projected Microsoft® PowerPoint documents and save them in their original format for future editing.



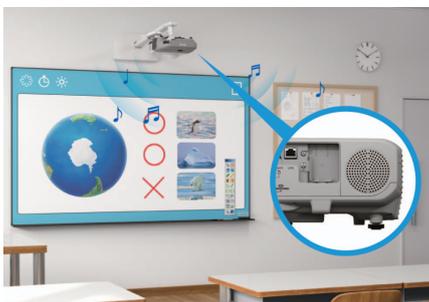
### Multitask in White Board Mode

Users are fully able to use familiar PC functions such as Select, Copy, Paste, Move, Resize and other drawing tools to create and edit content on-screen. Increase productivity as the White Board mode can be minimised for users to annotate and reference to other files on their PC or laptop. Dual pen function is temporarily disabled when White Board mode is minimised.



## Enhance Discussions with Powerful Audio

### Impressive Built-in 16W Speaker



The integrated 16W speaker provides great audio quality for enhanced presentations. Voices are clearly audible even in large venues, which is ideally suited when teaching materials need to be recorded.

### Wireless Audio Transmission



Besides direct PC connections, you can also connect this projector series wirelessly\* to your LAN. The audio feed from a networked PC can then be transmitted wirelessly to the projector.

\*Requires wireless network

## Superb Built-in Connectivity

Epson short-throw projectors come with many networking features for seamless and engaging presentations.

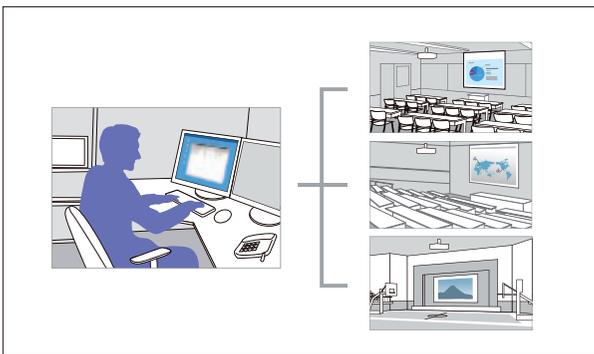


### EasyMP Network Projection

The EasyMP Network Projection enables users to configure both wired and wireless connections with high quality audio output and conduct meetings simultaneously in up to four different locations.

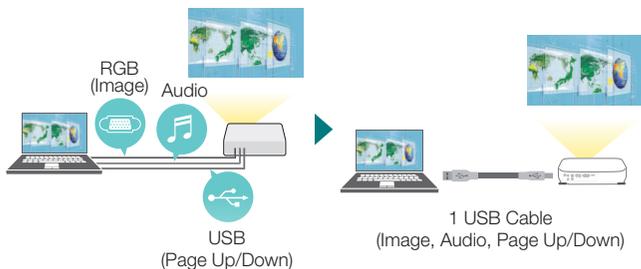
### EasyMP Monitor

The EasyMP Monitor lets you efficiently monitor and configure multiple networked projectors from a single PC. You also have the ability to broadcast messages to all projectors for announcements or emergencies.



### USB 3 in 1 Display

Image projection, sound transmission and mouse operation can all be conveniently carried out with a single USB connection, eliminating the hassle of separate and messy cabling.



## Smarter Presentations from Mobile Devices

The iProjection application makes it possible for wireless projection from iOS and Android smart devices.\* This feature supports various files and allows you to present your smartphone contents with ease. It also lets you use other touch-screen operations, such as flicking to turn pages and pinching to zoom in or out.

\*In iProjection, projector profile search, multi-screen display, distribution function, audio transfer, movie file transfer, interrupt connection disabling and encryption data transfer capabilities are not supported.



## Extend Your Interactive Reach

Users have the option of using the Interactive Pen Extension which effectively reduces shadow interference by allowing the presenter to interact with projected elements from a greater distance.



## Eco Features

- Equipped with a E-TORL lamp engineered to maximise light usage and power efficiency
- Uses just 0.37W / 0.39W of power in standby mode
- Projector optics employ lead-free lenses
- Unpainted plastic housing reduces the environment impact
- The flame retardants used in the plastic housing do not contain chlorine or bromine

## Better Products for a Better Future™

For more information on Epson's environmental programme, visit <http://global.epson.com/SR/environment>.

## PARTNERS IN PERFECTION



**Desktop Document Camera ELPDC20**  
 3 kg / 6.6lbs  
 2 megapixels with 30fps  
 12x optical zoom  
 1080p output resolution  
 HDMI digital connectivity



**Desktop Document Camera ELPDC11**  
 2.2kg / 4.85lbs  
 5 megapixels with 30fps  
 10 x digital zoom  
 bundled with microscope adaptor



**Ultra Portable Document Camera ELPDC06**  
 Easily portable; 0.96kg / 2.11lbs  
 1.92 megapixels with 15fps  
 4 x digital zoom  
 USB powered

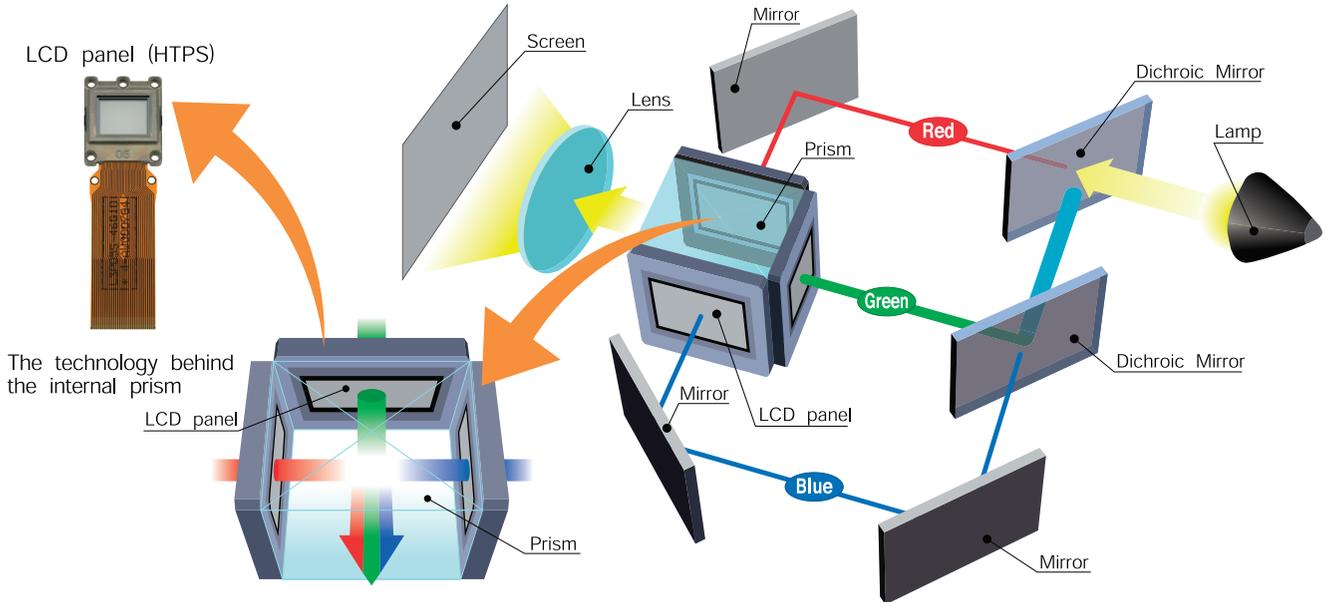
# EPSON 3LCD TECHNOLOGY – FOR BRIGHT, FAITHFUL COLOURS

3LCD projectors offer brighter and more accurate colours as they produce different shades and hues by filtering, then mixing beams of the three primary colours (red, green and blue).

In a 3LCD projector, white light is first split into the three beams of primary colours. Each beam is then filtered through its own LCD that will give each individual pixel of the image its exact brightness for each colour. The colour beams are then perfectly recombined in a prism before being projected out as a complete image.

This compares to projectors using single-chip technology that actually project individual colours sequentially by filtering their single white light beam through a colour wheel, and then relying on human colour perception to combine the colours in the viewers' minds.

As a result, 3LCD projectors also offer greater detail, smoother gradations, no "colour breakup" effect, are easier on viewers' eyes, and consume about 25% less power to achieve the same brightness compared to a single-chip projector using a lamp of the same wattage.



3LCD projector : RGB are projected at the same time, which makes the single composite image easy on the eyes.

- An independent test by projector review media ProjectorCentral.com in 2009 of about 800 projectors found that on average, 3LCD projectors use 25% less power than single-chip projectors.

[www.3lcd.com](http://www.3lcd.com)

## COLOUR LIGHT OUTPUT – TRUE COLOURS SHINING THROUGH

### The Brightness Myth

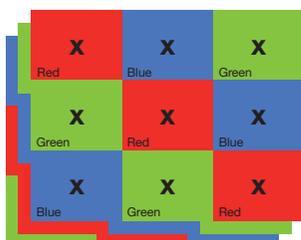
Did you know that the brightness specification (in lumens) for projectors is only a measurement of its white light output?

In fact, many manufacturers artificially boost their projectors' brightness rating by increasing their white light production capability at the expense of colour brightness.

### How is Colour Light Output measured?

X	X	X
X	X	X
X	X	X

**Brightness (or White Light Output)** measures the total amount of white light projected in lumens on a nine point grid. It does not measure colour.

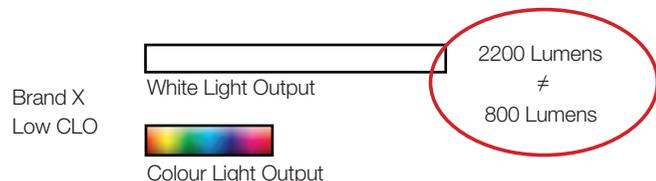
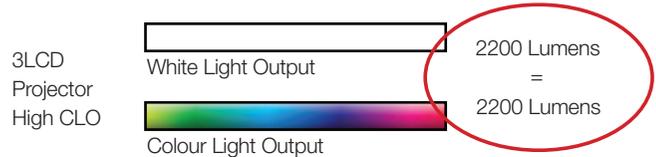


**Colour Light Output** uses 3 sets of a nine-point grid to measure the primary colours - red, green and blue, using the same approach used to measure White Light Output in lumens.

### CLO to Enlighten

To help buyers make better-educated decisions, colour scientists at the U.S. government's National Institute of Standards and Technology (NIST – [www.nist.gov](http://www.nist.gov)) have developed Colour Light Output (CLO) as a specification to provide critical information on a projector's ability to deliver colour.

Colour Light Output is critically important because it measures the brightness of Red, Green and Blue. In a 3LCD projector, these primary colours create white when combined in the right proportions. Beautifully balanced colour is possible when Red, Green and Blue combine to produce the exact colours required. Colour Light Output provides users with an additional way to evaluate a projector and make more discerning buying decisions.



[www.colorlightoutput.com](http://www.colorlightoutput.com)

MODEL NUMBER	EB-421i	EB-431i	EB-426Wi	EB-436Wi
<b>Projection Technology</b>	RGB liquid crystal shutter projection system (3LCD)			
<b>Specifications of Main Parts</b>				
LCD	Size	0.55" with MLA (D8)		0.59" with MLA (D8)
	Native Resolution	XGA		WXGA
Projection Lens	Type	No Optical Zoom / Focus (Manual)		
	F-Number	1.80		
	Focal Length	6.48mm		
	Zoom Ratio	1 - 1.35 (Digital Zoom)		
	Throw Ratio	0.55 - 0.74 (Wide - Tele)		0.48 - 0.65 (Wide - Tele)
Lamp	Type	200W UHE (E-TORL)	230W UHE (E-TORL)	200W UHE (E-TORL)
	Life (Normal / Eco)*1	5,000 hours / 6,000 hours	4,000 hours / 5,000 hours	5,000 hours / 6,000 hours
<b>Screen Size (Projected Distance)</b>				
Zoom: Wide	50" - 108" [0.54m - 1.22m]		53" - 116" [0.54m - 1.22m]	
Zoom: Tele	37" - 80" [0.54m - 1.22m]		40" - 86" [0.54m - 1.22m]	
Standard Size	87" screen 0.97m		93" screen 0.97m	
<b>Brightness*2</b>				
White Light Output (Normal / Eco)	2,500lm / 2,000lm	3,000lm / 2,100lm	2,500lm / 2,000lm	3,000lm / 2,100lm
Colour Light Output	2,500lm	3,000lm	2,500lm	3,000lm
<b>Contrast Ratio</b>	3,000 : 1			
<b>Internal Speaker(s)</b>				
Sound Output	16W (Monoaural)			
<b>Keystone Correction</b>				
Vertical / Horizontal	±7° / ±5°			
<b>Connectivity</b>				
Analogue Input	D-sub 15pin	2 (Blue)		
	Component	D-sub 15pin (Blue molding) x 2 (in common with Analog RGB connector)		
	Composite	RCA x 1 (Yellow)		
	S-Video	Mini DIN x 1		
Digital Input	HDMI	1 (HDCP supported)		
Output Terminal	D-sub 15pin	1 (Black)		
Audio Input	RCA (Red / White)	1 pair		
	Stereo Mini-jack	2		
Audio Output	Stereo Mini-jack	1		
Others	USB Type A	1 (USB Memory / ELPDC06 Document Camera)		
	USB Type B	1 (USB Display, mouse, K/B, Interactive)		
	Microphone Input	Stereo mini-jack x 1		
Control I/O	RS-232C	D-sub 9pin x 1		
Network	Wired LAN	RJ45 x 1 (10/100 Mbps)		
	Wireless	Optional (ELPAP07)		
<b>Wireless Specifications</b>				
Supported Speed For Each Mode	IEEE 802.11b: 11 Mbps*3 IEEE 802.11g: 54 Mbps*3 IEEE 802.11n: 130 Mbps*3			
Wireless LAN Security	WEP, WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES)			
<b>Operating Temperature</b>	5 °C to 35 °C <41 °F to 95 °F> (20% - 80% humidity, unfrozen)			
<b>Operating Altitude</b>	0m - 2,286m <0ft - 7,500ft> (over 1,500m / 4,921ft: with high altitude mode)			
<b>Direct Power On/Off</b>	Yes/Yes			
<b>Start-up Period</b>	Less than 7 seconds, Warm-up period: 30 seconds			
<b>Cool Down Period</b>	Instant Off			
<b>Air Filter</b>	Type	Electrostatic Filter		
Maintenance Cycle	5,000H*4			
Power Supply Voltage	100V - 240V AC ±10%, 50Hz / 60Hz			
<b>Power Consumption (220-240V)</b>				
Lamp On (Normal / Eco)	292W / 246W	327W / 244W	292W / 246W	327W / 244W
Stand By (Network On / Off)	6.8W / 0.39W	7.3W / 0.37W	6.8W / 0.39W	7.3W / 0.37W
<b>Dimensions Excluding Feet (W x H x D)</b>	345mm x 105mm x 300mm			
<b>Weight</b>	3.9kg	4.1kg	3.9kg	4.1kg
<b>Fan Noise (Normal / Eco)</b>	35dB / 28dB	37dB / 29dB	35dB / 28dB	37dB / 29dB
<b>Interactive Specification</b>				
Basic Specification Technology				
Input Devices	Infrared			
Connection to PC	Digital Pen (Easy Interactive Pen 1 and 2)			
Calibration	USB, Network			
Functions	Auto / Manual (25points)			
Computer Interactive Driver Installation	Hover, Right click, Auto Adjust Pen Area			
Multi-Pen Support	Windows, Linux*5: No Installation required, Mac OS X: Installation required.			
Instant Annotation Multi-Pen Support (PC-Less)	Yes (with Easy Interactive Tools Ver.2.10). Up to 2 types of pens. (Easy Interactive Pen 1 and 2)			
Whiteboard Function	Yes. Up to 2 types of pens. (Easy Interactive Pen 1 and 2)			

**Supplied accessories**

- Power Cable: 4.5m
- USB Cable: 5m
- Remote Control: Compact Type
- Battery: Alkaline AA Battery x 2
- Interactive Pen x 2 (EB-421i x 1)
- Pen Tray (EB-431i/426Wi/436Wi)
- Bundled Software: Epson Projector Software (CD-ROM)
- Password Protect Sticker
- User's Manual Set: CD-ROM

**Optional accessories**

- Spare Lamp: ELPLP61 (EB-431i/436Wi)  
ELPLP60 (EB-421i/426Wi)
- Air Filter Set: ELPAF36
- Wireless LAN Card: ELPAP07
- Quick Wireless Connection USB Key: ELPAP09
- Soft Carrying Case: ELPKS66
- Easy Interactive Pen 1: ELPPN03A
- Easy Interactive Pen 2: ELPPN03B
- Easy Interactive Pen Extension: ELPPE01
- Replacement Pen Tip: ELPPS01
- USB Extension Cable: ELPKC31
- Short Throw Wall Mount: ELPMB27

EB-421i/EB-431i/EB-426Wi/EB-436Wi



\*1 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

\*2 Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

\*3 Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

\*4 When used in the general office environment (the amount of floating dust: 0.04-0.2 mg/m3). Based on the Epson's in-house test results.

\*5 Selected Linux distribution only

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