

ULTRA-BRIGHT BUSINESS PROJECTORS  
EB-Z8450WU / Z8450WUNL / Z8350W / Z8350WNL  
Z8150 / Z8150NL / Z10000 / Z10000NL

**EPSON**  
EXCEED YOUR VISION

## A new dawn for business projectors

With stunning 5,000:1 contrast ratio and ultra-brightness of up to 10,000 lumens.



Using world-renowned 3LCD technology and advanced features from Epson home theatre projectors, the ultra-bright business projectors deliver crystal clear and true-to-life image quality with high brightness of up to 10,000 lumens, making them ideal for use in large venues like lecture halls and auditoriums.

- **Superior Image Reproduction with Cinema-Quality Projections**  
Epson combines its advanced home theatre projection technologies to produce high quality projection output on large screens regardless of ambient lighting
- **Unparalleled Projection Versatility and Set-up Flexibility**  
Smart projection correction modes and lens-shift feature give greater flexibility for projector placement. Advanced edge-blending enables multiple projectors to combine images and videos into a seamless visual experience
- **Unmatched Reliability**  
The projectors are intelligently designed with high durability and low maintenance in mind as hardware parts are easy to replace - perfect for both experienced and new users





Using world-renowned 3LCD technology and advanced features from Epson home theatre projectors, the ultra-bright business projectors deliver crystal clear and true-to-life image quality with high brightness of up to 10,000 lumens, making them ideal for use in large venues like lecture halls and auditoriums.

## SUPERIOR IMAGE REPRODUCTION WITH CINEMA-QUALITY PROJECTIONS

### WUXGA Resolution

Epson's new series offers WUXGA resolution, featuring superb-resolution images and high-definition videos. Even on large screens, images remain razor sharp and vivid.



### Astonishing 10,000 lumens output

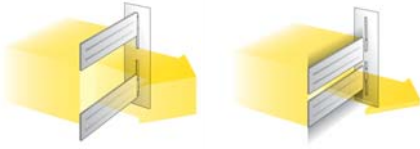
This series is Epson's first 10,000-lumen projectors launched in the market. With an astonishing light output, you get dazzling, high-definition projections in lecture halls, large conference rooms, auditoriums and even in bright ambient surroundings.



\* For EB-Z8450WU/8450WUNL only

## Auto Iris

Differences in brightness can result in loss of detail, especially with quick cuts between dark and light scenes. Epson's new ultra smooth auto iris, with a contrast ratio of 5,000:1, monitoring the intrinsic brightness level of each scene and automatically adjusting to the optimal level (even with rapid switching between light and dark scenes). Brilliant scenes are crisp and clear, while dark scenes retain all the details of the original photo.



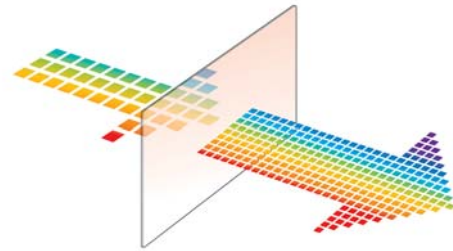
Dark Scene



Bright Scene

## Epson Cinema Filter

The Epson Cinema Filter extracts very pure hues of the three primary colour gamut, enabling unbeatable colour reproduction and quality while maintaining high contrast ratios. So you enjoy the same range of colours as those of digital cinema.



## DICOM Mode

This colour mode produces images with clear shadows, ideal for projecting X-rays and other medical images\*.



Normal colour mode



DICOM SIM mode

\* Not for actual medical diagnosis

## Faroudja DCDi Cinema

This projector features Faroudja DCDi® (Directional Correlational Deinterlacing) Cinema chipset, a video enhancement technology that produces an exceptional image quality without introducing artifacts. Faroudja DCDi was developed to eliminate jagginess using a unique algorithm. This technology, in combination with decoding, deinterlacing and enhancement technologies, won an Emmy Award from the National Academy of Television Arts and Sciences in the USA in 2001.



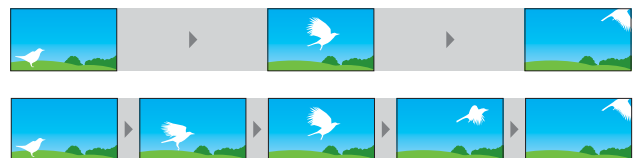
Without DCDi



With DCDi

## Frame Interpolation

Now, you can enjoy clearer, sharper playback with Epson's Frame Interpolation Technology. This feature effectively eliminates motion blurring by inserting new frames between original ones to create smoother motion transition.



## Super Resolution Technology

The super resolution technology reveals details that other projectors can't, allowing you to enjoy high-definition quality on large screens even from low-resolution videos.



Without super-resolution technology



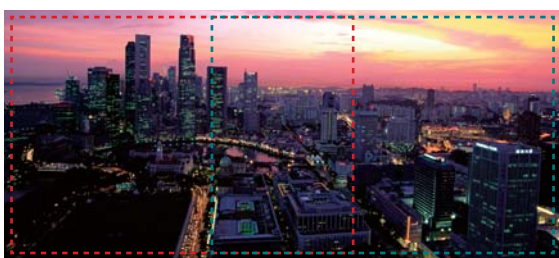
With super-resolution technology



## UNPARALLELED PROJECTION VERSATILITY AND SET-UP FLEXIBILITY

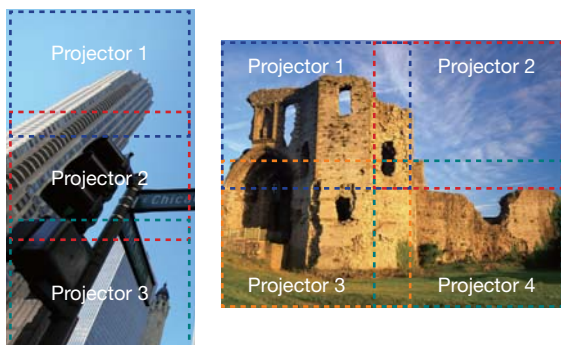
### Edge-blending

This feature helps you seamlessly project multiple images using two or more projections together for bigger, more compelling presentations. The edge-blending attribute lets you control brightness at the crossover edge to create a panoramic image. It also has multi-screen colour adjustment, so fine brightness and colour adjustments can be made for each projector.



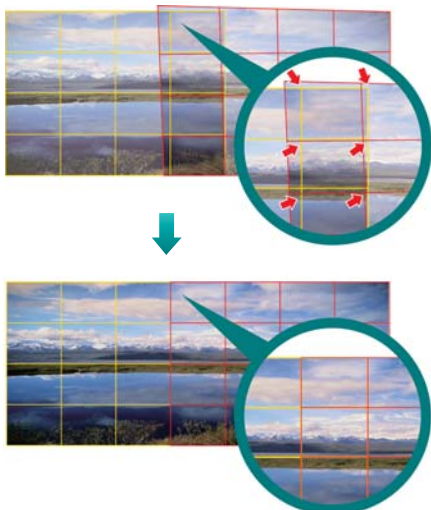
Projector 1

Projector 2



### Point Correction

Now you can correct single-projector distortion or multiple-projector misalignment on the screen. With the point correction feature, you can quickly fine-tune the images, adjusting point by point from right to left, up and down, using a projected  $9 \times 9$  matrix at a maximum.



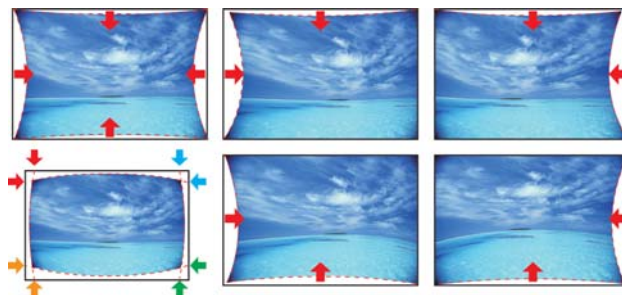
### Split Screen

Split screen allows inputs from two separate sources to be displayed side by side on the same screen for a more effective presentation. In video conferences, images of presentation materials and remote participants can be shown simultaneously.



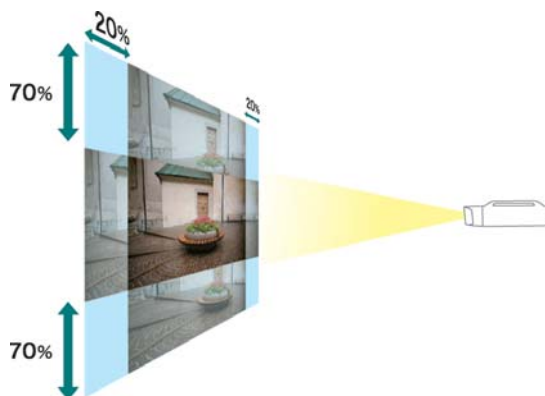
### Arc Correction

This function makes it easy to quickly and precisely correct any vertical or horizontal distortion of the projected image.



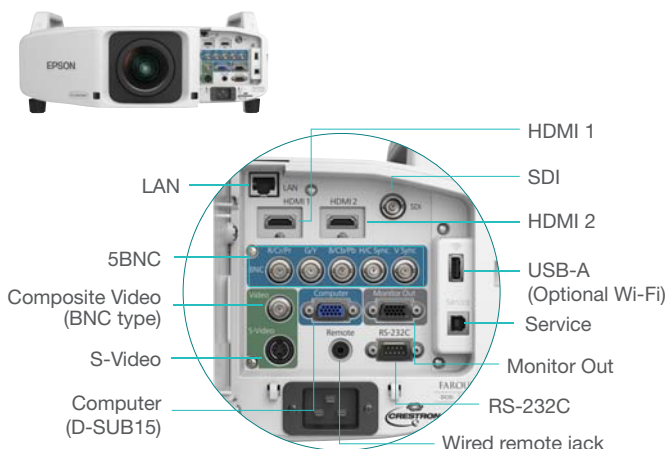
### Lens Shift

Enjoy the ease and versatility of projector and screen placement with Epson's lens shift feature. It has a maximum vertical lens shift of 70% and a maximum horizontal lens shift of 20%, allowing the user to have the flexibility in projector and screen placements.



## Extended Connectivity

Adaptability to a wide range of devices means that this projector series is compatible with any setting. Its advanced connectivity features make it simple to incorporate additional technology as you upgrade your system. And with two HDMI ports, you get high-quality image projection.



\* SDI Port available only in EB-Z8450WU & EB-Z8450WUNL

## Network Management

With Epson's Network monitoring and control software, you can see from a single PC which projectors are available and whether they are running efficiently – even across the biggest network.

You can configure your projectors and access their serial numbers remotely, as well as receive instant email alerts for pre-defined critical indicators such as non-functioning devices or overheating lamps.



## PARTNERS IN PERFECTION

Desktop Document Camera ELPDC11

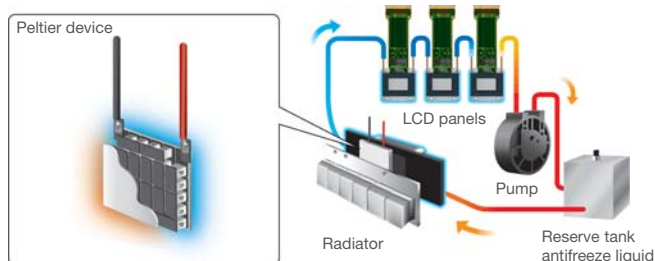


2.2kg / 4.85lbs  
5 megapixels with 30fps  
10 x digital zoom  
Bundled with microscope adaptor

## UNMATCHED RELIABILITY

### Long Life

With Epson's proprietary C<sup>2</sup>Fine™ (Crystal Clear Fine) Technology and inorganic LCD panels with its Original Cooling system, these projectors can withstand temperatures up to 55°C while preserving brightness and picture quality. It also operates on low noise, making the use of projector unobtrusive in meeting rooms and lecture halls.



Epson Peltier Active Liquid Cooling System for 3LCD

## Easy Maintenance

Change lamps and filters easily without having to uninstall the projector from the ceiling. Bayonet mounts make lens replacement simple as well.



Easy-to-replace lamps



Easy-to-replace filter

### Eco Features

- Equipped with a short arc lamp engineered to maximise light usage and power efficiency
- Uses just 0.49 W 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 programmes, visit [www.epson.com/environment](http://www.epson.com/environment)

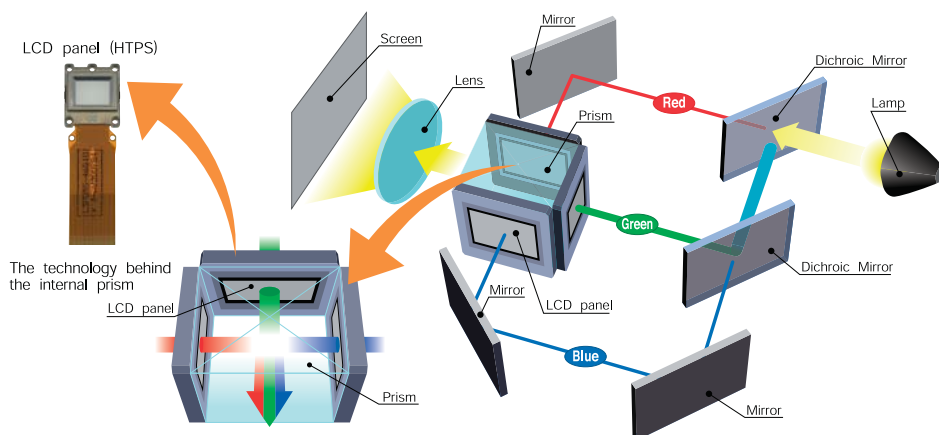
# EPSON 3LCD TECHNOLOGY – FOR BRIGHT, FAITHFUL COLOURS

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.

## COLOUR LIGHT OUTPUT – TRUE COLOURS SHINING THROUGH

### The Brightness Myth

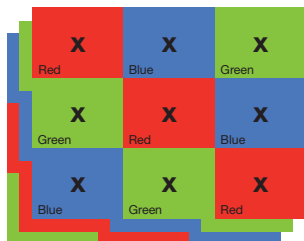
Did you know that the brightness specification (in lumens) for projectors is only a measurement of its white light output?

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.



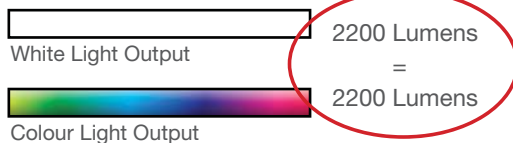
**Colour Light Output** uses 3 sets of a nine-point grid to measure the primary colours - red, green and blue, using the same approach used to measure White Light Output in lumens.

### CLO to Enlighten

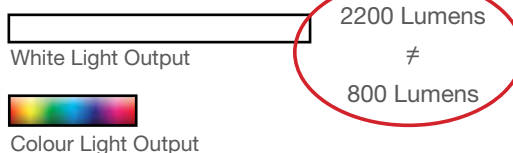
To help buyers make better-educated decisions, colour scientists at the U.S. government's National Institute of Standards and Technology (NIST – [www.nist.gov](http://www.nist.gov)) have developed Colour Light Output (CLO) as a specification to provide critical information on a projector's ability to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

3LCD  
Projector  
High CLO



Brand X  
Low CLO







## EB-Z8450WU

(No Lens Model EB-Z8450WUNL is also available)

### SPECIFICATIONS

#### SUPPLIED ACCESSORIES

Power Cable	3m, 3 Wire
Computer Cable	1.8m D-sub 15pin (Male) - D-sub 15pin (Male)
Remote Control	Attached
Battery	Alkaline AA x 2
Bundled Software	Attached CDROM (Projection Software Ver.1.00e)
Password Protect Sticker	
User's Manual Set	
Foot Cover	

#### OPTIONAL ACCESSORIES

Replacement Lamp	ELPLP72 (2 lamps Set: ELPLP73)
Air Filter Set	ELPAF23
Wireless LAN Unit	ELPAP07
Remote Control	ELPKC28
Cable Set 10m x 2	
Ceiling Mount (White colour)	ELPMB25, ELPMB26
Mouse Receiver	ELPST16
Option Lens	
Rear Projection Wide Lens	ELPLR04
Wide Zoom Lens	ELPLW04
Standard Zoom Lens	ELPS04
Middle Throw Zoom Lens 1	ELPLM06
Middle Throw Zoom Lens 2	ELPLM07
Long Throw Zoom Lens	ELPLL07

EB-Z8450WU/Z8450WUNL



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<b>MODEL NUMBER</b>		EB-Z8450WU
<b>PROJECTION SYSTEM</b>		RGB liquid crystal shutter projection system (3LCD)
<b>SPECIFICATION OF MAIN PARTS</b>		
LCD	SIZE	0.94" wide panel with MLA (D7, C <sup>2</sup> Fine)
	NATIVE RESOLUTION	WUXGA
<b>PROJECTION LENS</b>		
TYPE		Power Zoom / Power Focus / Power Shift
F-NUMBER		1.65 - 2.51
FOCAL LENGTH		36.00mm - 57.35mm
ZOOM RATIO		1 - 1.61
THROW RATIO		1.74 - 2.82 (Wide - Tele)
LENS EXCHANGE		Yes
LENS SHIFT	MODE	Powered
	VERTICAL (UP/DOWN)	±70%
	HORIZONTAL (LEFT/RIGHT)	±20%
LAMP	TYPE	340W UHE x 2
	LIFE (NORMAL/ECO)	2,500 hours / 3,500 hours
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>		60" - 500" [2.21m - 19.00m] (Zoom: Wide) 60" - 500" [3.61m - 30.67m] (Zoom: Tele) 100" screen 3.74m - 6.07m
<b>BRIGHTNESS</b>		
COLOUR LIGHT OUTPUT (NORMAL/ECO)		7,000lm / 5,300lm
<b>CONTRAST RATIO</b>		5,000:1
<b>KEYSTONE CORRECTION</b>		
VERTICAL/HORIZONTAL		±30° / ±20° (Zoom: Tele with standard lens)
<b>CONNECTIVITY</b>		
ANALOG INPUT	D-SUB 15PIN	1 (Blue)
	5BNC	1
	COMPONENT	5-BNC, Mini D-sub 15pin x 1 Blue-molding (in common with Analog RGB connector)
	COMPOSITE	1-BNC
	S-VIDEO	Mini DIN
DIGITAL INPUT	HDMI	2
	SDI	BNC x 1
OUTPUT TERMINAL	D-SUB 15PIN	1 (Black)
OTHERS	USB TYPE A	1 (For wireless LAN Adapter ELPAP07)
	USB TYPE B	1 (For service only)
CONTROL I/O	RS-232C	D-sub 9pin x 1
	REMOTE CONTROL INPUT	Stereo mini-jack x 1
NETWORK	WIRED LAN	RJ45 x 1 (10/100mbps)
	WIRELESS	Optional (ELPAP07)
<b>WIRELESS SPECIFICATIONS</b>		
SUPPORTED SPEED FOR EACH MODE		IEEE 802.11b: 11 Mbps*, IEEE 802.11g: 54 Mbps*, IEEE 802.11n: 130 Mbps* *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.
WIRELESS LAN SECURITY		WEP, WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES)
<b>OPERATING TEMPERATURE</b>		0°C - 50°C (32°F - 122°F) (20% - 80% humidity, unfrozen) Thermal shut down Normal1 50°C (122°F) ECO & Normal2 55°C (131°F) 0°C - 40°C (32°F - 104°F) (over 1,500m / 4,921ft: with High altitude mode, Normal1) (20% - 80% humidity, unfrozen) 0°C - 45°C (32°F - 113°F) (over 1,500m / 4,921ft: with High altitude mode, Normal2, ECO) (20% - 80% humidity, unfrozen)
<b>OPERATING ALTITUDE</b>		0m - 3,048m <0ft - 10,000ft> (over 1,500m / 4,921ft: with High altitude mode)
<b>DIRECT POWER ON/OFF</b>		Yes
<b>START-UP PERIOD</b>		about 18 seconds, warm-up period: 30 seconds
<b>COOL DOWN PERIOD</b>		Instant off or 0 second
<b>AIR FILTER</b>	TYPE	High Efficiency Filter
	MAINTENANCE CYCLE	10,000H *When used in the general office environment (the amount of floating dust: 0.04-0.2 mg/m <sup>3</sup> ). Based on the Epson's in-house test results.
<b>POWER SUPPLY VOLTAGE</b>		100 - 240V AC ±10%, 50/60 Hz
<b>POWER CONSUMPTION (220 - 240V)</b>		
LAMP ON (NORMAL/ECO)		911W / 738W
STANDBY (NETWORK ON/OFF)		5.1W / 0.49W
<b>DIMENSION EXCLUDING FEET (W X H X D)</b>		534mm x 734mm x 167mm (21.02" x 28.89" x 6.57") (not including foot, projection lens and handle)
<b>WEIGHT</b>		Approx. 22kg / 48.4lbs (Including lens)
<b>FAN NOISE (NORMAL/ECO)</b>		40dB / 35dB

#### EPSON CUSTOMER CARE CENTRE

108 Pasir Panjang Road  
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Singapore 118535

Epson Helpdesk: (65) 6586-3111

Dealer's Stamp



Sales Enquiries  
**6586 3111**

www.epson.com.sg



Official Partner  
of Manchester United



# EB-Z8350W/Z8150/Z10000

(No Lens Models EB-Z8350WNL/Z8150NL/Z10000NL are also available)

## SPECIFICATIONS

### SUPPLIED ACCESSORIES

Power Cable	3m, 3 Wire
Computer Cable	1.8m D-sub 15pin (Male) - D-sub 15pin (Male)
Remote Control	Attached
Battery	Alkaline AA x 2
Bundled Software	Attached CDROM (Projection Software Ver.1.00e)
Password Protect Sticker	
User's Manual Set	
Foot Cover	

### OPTIONAL ACCESSORIES

Replacement Lamp	ELPLP72 (2 lamps Set: ELPLP73)
Air Filter Set	ELPAF23
Wireless LAN Unit	ELPAP07
Remote Control	ELPKC28
Cable Set 10m x 2	
Ceiling Mount (White colour)	ELPMB25, ELPMB26
Mouse Receiver	ELPST16
Option Lens	
Rear Projection Wide Lens	ELPLR04
Wide Zoom Lens	ELPLW04
Standard Zoom Lens	ELPS04
Middle Throw Zoom Lens 1	ELPLM06
Middle Throw Zoom Lens 2	ELPLM07
Long Throw Zoom Lens	ELPLL07

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 EB-Z8150/Z8150NL  
 EB-Z10000/Z10000NL


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MODEL NUMBER		EB-Z8350W	EB-Z8150	EB-Z10000
PROJECTION SYSTEM		RGB liquid crystal shutter projection system (3LCD)		
SPECIFICATION OF MAIN PARTS				
LCD	SIZE	0.95" wide panel with MLA (D7, C²Fine)	1.06" wide panel with MLA (D8, C²Fine)	
	NATIVE RESOLUTION	WXGA	XGA	
PROJECTION LENS				
TYPE		Power Zoom / Power Focus / Power Shift		
F-NUMBER		1.65 - 2.51		
FOCAL LENGTH		36.00mm - 57.35mm		
ZOOM RATIO		1 - 1.61		
THROW RATIO		1.71 - 2.78 (Wide - Tele)	1.63 - 2.65 (Wide - Tele)	
LENS EXCHANGE		Yes		
LENS SHIFT	MODE	Powered		
	VERTICAL (UP/DOWN)	±70%	±56%	
	HORIZONTAL (LEFT/RIGHT)	±20%	±6%	
LAMP	TYPE	340W UHE x 2		
	LIFE (NORMAL/ECO)	2,500 hours / 3,500 hours	2,500 hours / N/A	2,500 hours / 3,500 hours
SCREEN SIZE (PROJECTED DISTANCE)				
ZOOM: WIDE		60" - 500" [2.17m - 18.70m]	60" - 500" [1.94m - 16.76m]	
ZOOM: TELE		60" - 500" [3.55m - 30.19m]	60" - 500" [3.19m - 27.16m]	
		100" screen 3.68m - 5.97m	100" screen 3.29m - 5.37m	
BRIGHTNESS				
COLOUR LIGHT OUTPUT (NORMAL/ECO)		8,500lm / 6,500lm	8,000lm / N/A	10,000lm / 7,600lm
CONTRAST RATIO		5,000:1		
KEYSTONE CORRECTION				
VERTICAL/HORIZONTAL		±30° / ±20° ( Zoom: Tele with standard lens)		
CONNECTIVITY				
ANALOG INPUT	D-SUB 15PIN	1 (Blue)		
	5BNC	1		
	COMPONENT	5-BNC, Mini D-sub 15pin x 1 Blue-molding (in common with Analog RGB connector)		
	COMPOSITE	1-BNC		
	S-VIDEO	Mini DIN		
DIGITAL INPUT	HDMI	2		
OUTPUT TERMINAL	D-SUB 15PIN	1 (Black)		
AUDIO INPUT	STEREO MINI JACK	2		
OTHERS	USB TYPE A	1 (For wireless LAN Adapter ELPAP07)		
	USB TYPE B	1 (For service only)		
CONTROL I/O	RS-232C	D-sub 9pin x 1		
	REMOTE CONTROL INPUT	Stereo mini-jack x 1		
NETWORK	WIRED LAN	RJ45 x 1 (10/100Mbps)		
	WIRELESS	Optional (ELPAP07)		
WIRELESS SPECIFICATIONS				
SUPPORTED SPEED FOR EACH MODE		IEEE 802.11b: 11 Mbps*, IEEE 802.11g: 54 Mbps*, IEEE 802.11n: 130 Mbps* *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.		
WIRELESS LAN SECURITY		WEP, WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES)		
OPERATING TEMPERATURE		0°C - 50°C (32°F - 122°F) ( 20% - 80% humidity, unfrozen ) (Thermal shut down Normal1 50°C (122°F) ECO) & Normal2 55°C (131°F) 0°C - 40°C (32°F - 104°F (over 1,500m / 4,921ft: with High altitude mode, Nornal1) (20% - 80% humidity, unfrozen) 0°C - 45°C (32°F - 113°F) (over 1,500m / 4,921ft: with High altitude mode, Nornal2, ECO ) (20% - 80% humidity, unfrozen)		
* Eco mode not applicable for Z8150 & Z8150NL				
OPERATING ALTITUDE		0m - 3,048m <0ft - 10,000ft> (over 1,500m / 4,921ft: with High altitude mode)		
DIRECT POWER ON/OFF		Yes		
START-UP PERIOD		about 18 seconds, warm-up period: 30 seconds		
COOL DOWN PERIOD		Instant off or 0 second		
AIR FILTER	TYPE	High Efficiency Filter		
	MAINTENANCE CYCLE	10,000H *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.		
POWER SUPPLY VOLTAGE		100 - 240V AC ±10%, 50/60 Hz		
POWER CONSUMPTION (220 - 240V)				
LAMP ON (NORMAL/ECO)		911W / 738W	786W / N/A	911W / 738W
STANDBY (NETWORK ON/OFF)		5.1W / 0.49W		
DIMENSION EXCLUDING FEET (W X H X D)		534mm x 734mm x 167mm (21.02" x 28.89" x 6.57") (not including foot, projection lens and handle)		
WEIGHT		Approx. 22kg / 48.4lbs (Including lens)		
FAN NOISE (NORMAL/ECO)		40dB / 35dB	37dB / N/A	40dB / 35dB

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