

Multimedia Projector  
**EB-Z8000WU / EB-Z8050W**

SPECIFICATION		EB-Z8000WU	EB-Z8050W
Projection System		RGB liquid crystal shutter projection system	
Specification of Main Parts	LCD	Size 0.94 inch wide panel with MLA	0.95 inch wide panel with MLA
		Driving Method Poly-silicon TFT active matrix	
		Pixel Number 2,304,000 dots (1920 x 1200) x 3	1,024,000 dots (1280 x 800) x 3
		Native Resolution WUXGA	WXGA
		Aspect Ratio 16:10	
Projection Lens		Type Power zoom / Power focus / Power shift	
		F-Number / Focal Length 1.65 - 2.51 / 36.00mm - 57.35mm	
		Zoom Ratio 1 - 1.61	
Lamp		Type 330 W UHE x 2	
		Life 2500 / 3500 hours (Power Consumption: Normal / ECO)	
Optical System		Dichroic mirror separation & prism combine method	
Screen Size (Projected Distance)		60 to 500 inch	
Lens Shift Range		Vertical: -70% to +70% (H Center) (Powered) / Horizontal: -20% to +20% (V Center) (Powered)	
Light Output (Brightness)	Normal (2 Lamps)	6000 lm (Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center)	7000 lm (Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center)
	ECO (2 Lamps)	4800 lm (Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center)*	5600 lm (Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center)*
Color Light Output		6000 lm (Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center)	7000 lm (Color mode: Dynamic, Zoom: Wide, Lens shift: V Center / H Center) (Color Brightness)
Contrast	Auto iris: On	5000:1 (Color mode: Dynamic, Power Consumption: Normal, Zoom: Wide, Lens shift: V -70% or 70% / H Center)* Contrast = 100% White (Iris: Open) / Black (Iris: Close)	
Color Reproduction		Full-color (16.77 million colors)	
Video Quality		3D Y/C separation, Noise Reduction Motion compensated Interlace-Progressive conversion (2-2, 3-2 film detection)	
Effective Scanning	Pixel Clock	13.5 MHz to 162 MHz up to UXGA 60 Hz	
Frequency Range (Analog)	Horizontal / Vertical	15 kHz to 80 kHz / 50 Hz to 85 Hz	
Effective Scanning	Pixel Clock	13.5 MHz to 162 MHz up to UXGA 60 Hz	
Frequency Range (Digital)	Horizontal / Vertical	15 kHz to 80 kHz / 24 Hz 30 Hz 50 Hz 60 Hz	
Analog RGB I/O	Display Performance	Native 1920 x 1200 dots	1280 x 800 dots
	Input Terminal	Video D-sub 15pin x 1 Blue molding, 5-BNC x 1	
	Output Terminal	Video D-sub 15pin x 1 Black molding (Output signal: Computer 1, 5-BNC only)	
HDMI	Display Performance	Native 1920 x 1200 dots (WUXGA)	1280 x 800 dots (WXGA)
	Input Signal	Version (Capabilities) Ver 1.3a (Specific features IS NOT supported)	
	Video Standard	480i / 576i / 480p / 576p / 720p / 1080i / 1080p	
	Input Terminal	HDMI x 1	
DVI	Display Performance	Native 1920 x 1200 dots (WUXGA)	1280 x 800 dots (WXGA)
	Input Signal	Resize Video Standards up to 1080p, PC Standards up to UXGA-60, Wide PC Standards up to WUXGA-60 RB. Refer to Compatible mode (WUXGA)	Video Standards up to 1080p, PC Standards up to UXGA-60, Wide PC Standards up to WUXGA-60 RB. Refer to Compatible mode (WXGA)
	Video Standard	480i / 576i / 480p / 576p / 720p / 1080i / 1080p	
	Input Terminal	DVI TypeD x 1	
Control I/O	Serial I/O	I/O Terminal I/O Signal	D-sub 9pin x 1 RS-232C
Network I/O	Wired LAN	RJ45 x 1 100Mbps	
	USB I/O	I/O Terminal	N/A
	Supported Wireless LAN unit	N/A	
Wireless Support	Easy MP Function	N/A	
Operating Temperature		0 °C to 45 °C (32 °F to 113 °F) (20% - 80% humidity, unfrozen) Thermal shut down > 50 °C (122 °F) 0 °C to 40 °C (32 °F to 104 °F) (over 1500 m / 4921 ft: with High altitude mode, High brightness) (20% - 80% humidity, unfrozen)	
Operating Altitude		0 m to 3048 m (0 ft to 10000 ft) (over 1500 m / 4,921 ft: with High altitude mode)	
Operating Angle of Tilt		Horizontal: 0° (±30°) Vertical: 90° / 270° (±10°)	
Direct Power On / Off		Yes	
Start-up Period		about 20 seconds warm-up period: 30 seconds	
Cool-down Period		Instant off or 0 second	
Air Filter	Maintenance Cycle	10000H*	
Power Supply Voltage		100 - 240 V AC ±10%, 50 / 60 Hz	
Power Consumption	220-240V Area	Lamp On 734W / 877W (Power Consumption: Normal / ECO)	Standby 13.1W / 0.5W (Network On / Off)
Dimension (D x W x H)		534 x 734 x 167 mm (Not including foot, projection lens and handle)	
Weight		Approx. 22 kg TBD (including lens)	
Fan Noise		38 dB / 32 dB (Normal / ECO)	

\* When used in the general office environment (the amount of floating dust: 0.04 - 0.2 mg/m<sup>3</sup>)  
\* This is the standard number. This is not the guaranteed performance.

PROJECTION DISTANCE (16:10 ASPECT RATIO)

Projection Lens	REAR PROJECTION WIDE LENS			WIDE THROW LENS			STANDARD ZOOM LENS			MIDDLE THROW ZOOM LENS			MIDDLE THROW W ZOOM LENS			LONG THROW ZOOM LENS							
	Type	Power/Zoom/Focus	Power/Zoom/Focus	Type	Power/Zoom/Focus	Power/Zoom/Focus	Type	Power/Zoom/Focus	Power/Zoom/Focus	Type	Power/Zoom/Focus	Power/Zoom/Focus	Type	Power/Zoom/Focus	Power/Zoom/Focus	Type	Power/Zoom/Focus						
F-Number	1.85	1.8-2.28	1.8-2.51	1.85	1.8-2.4	1.8-2.34	1.85	1.8-2.4	1.8-2.4	1.85	1.8-2.4	1.8-2.4	1.85	1.8-2.4	1.8-2.4	1.85	1.8-2.4						
Focal Length	16.15mm	27.0mm-37.0mm	36.00mm-57.35mm	16.15mm	56.43mm-69.2mm	66.58mm-121.1mm	118.0mm-165.38mm																
Zoom Ratio		1 - 1.37	1 - 1.61	1 - 1.37	1 - 1.37	1 - 1.37	1 - 1.37																
Weight	260g	450g	450g	220g	220g	220g	220g																
Lens Shift Range	None* (The lens will move structurally, but cannot guarantee it.)	Horizontal: ±20% (Vertical:±50%)	Horizontal: ±20% (Vertical:±50%)	Horizontal: ±20% (Vertical:±50%)	Horizontal: ±20% (Vertical:±50%)	Horizontal: ±20% (Vertical:±50%)	Horizontal: ±20% (Vertical:±50%)																
Screen size (Diagonal)		Projection distance			Projection distance			Projection distance			Projection distance			Projection distance									
		Wide	Tall	Wide	Tall	Wide	Tall	Wide	Tall	Wide	Tall	Wide	Tall	Wide	Tall	Wide	Tall	Wide					
60	95	3.1	-	183	5.8	225	7.4	217	5.1	335	11.7	335	11	543	16.9	487	16	749	24.5	729	22.9	1030	33.8
70	112	3.7	-	192	6.3	264	8.6	255	8.4	416	13.6	383	12.8	603	19.8	572	18.8	877	28.8	855	26.1	1267	39.9
80	129	4.2	-	220	7.2	302	9.9	292	9.6	476	15.6	451	14.8	691	22.7	657	21.5	1006	33	982	32.2	1384	45.4
90	146	4.8	-	246	8.2	341	11.2	330	10.8	537	17.6	509	18.7	779	25.6	742	24.3	1135	37.2	1109	36.4	1581	51.2
100	162	5.3	-	277	9.1	380	12.8	368	12.1	597	19.8	567	18.8	827	27.1	783	24.4	1298	40.9	1248	38.9	1738	57
110	179	5.9	-	305	10	418	13.7	405	13.3	656	21.8	625	20.5	905	31.3	812	28.8	1392	43.7	1362	44.7	1913	62.8
120	196	6.4	-	334	11	457	15	443	14.5	719	23.8	683	22.4	1043	34.2	997	32.7	1521	46.8	1498	46.9	2092	66.8
200	351	10.9	-	581	18.4	796	25.1	743	24.4	1203	38.5	1147	37.8	1747	57.3	1877	55	2550	83.7	2503	82.1	3507	115.1
300	500	16.4	-	846	27.7	1133	37.8	1119	36.7	1808	58.3	1727	56.7	2627	88.2	2595	82.9	3830	120.9	3771	123.7	5277	173.1
500	838	27.3	-	1414	46.4	1928	63.2	1870	61.4	3018	99	2887	94.7	4388	144	4229	138.7	6409	210.3	6307	208.9	8918	288.2



Multimedia Projector  
**EB-Z8000WU** WUXGA  
**EB-Z8050W** WXGA



SUPPLIED ACCESSORIES

- Power Cable 3.0 m
- Computer Cable 1.8 m D-sub 15pin
- USB Cable 1.8 m
- Remote Control-Manganese AA x 2
- Wireless LAN unit (EB-Z8050W only)
- Epson Projector Software for Monitoring
- Password Projector Sticker
- User's Manual Set
- Foot Cover

OPTIONAL ACCESSORIES

- ELPLP51 Spare Lamp
- ELPLP52 Spare Lamp (2 lamps Set)
- ELPAF23 Air Filter
- ELPKC28 Remote Control Cable Set
- ELPMB25 Ceiling Mount (Lower)
- ELPMB26 Ceiling Mount (Higher)
- ELPLR04 Rear Projection Lens
- ELPLW04 Wide Zoom Lens
- ELPLS04 Standard Lens
- ELPLM06 Middle Throw 1 Lens
- ELPLM07 Middle Throw 2 Lens
- ELPLL07 Long Throw Lens

WARRANTY SERVICE

3 Years Onsite Warranty Service to be provided for local purchase only.



Extended Warranty

# The warranty service can be extended by purchasing Epson Coverplus Extended Warranty. For more information, please contact Epson customer support.

Bold, Bright, Beautiful...

3LCD Technology

3LCD technology achieves bright, natural images and smooth, sharp video playback. No color break-up makes images gentle on the eyes.



Optical unit with high light-use efficiency

CONNECTOR PANEL

- HDMI Port
- DVI-D Port
- LAN Port
- R/Cr/Pr BNC Port
- G/Y BNC Port
- B/Cb/Pb BNC Port
- H/C Sync BNC Port
- V Sync BNC Port
- Video Input Port
- S-Video Input Port
- Computer Input Port
- Monitor Out Port
- Remote Port
- RS-232C Port

Pursue the Digital Cinema Color by Professional Projector

- Absolute Projection Quality
- Superior Reliability
- Flexible Installation
- Aesthetic Design

R & B COMPUTER SYSTEMS LTD.  
力衡電腦系統有限公司  
2749 3325 www.rnb.com.hk  
rnb@rnb.com.hk

Unit 1009, Global Gateway Tower, 63 Wing Hong Street, Cheung Sha Wan, Kln., HK  
香港九龍長沙灣永康街 63 號 Global Gateway Tower 1009 室

World-first WUXGA in 3LCD projector  
Wide & Higher resolution with High Brightness

Multimedia Projector  
**EB-Z8000WU** WUXGA  
**EB-Z8050W** WXGA



## Absolute projection image quality

### Sharper and powerful quality

#### World-first "WUXGA" in 3LCD projector



- Trend for "Wide" & "Higher" resolution
- Strong trend towards "Wide" & "Higher resolution" for laptops & LCD monitors for professional application



#### Dynamic resolution WUXGA, more than full HD 1080P

WUXGA (1,920x1,200pixels) resolution, enabling high-resolution image display, even with full HD video (1,920x1,080 pixels). Even on large screens, images maintain sharp, vivid detail, for dynamic viewing experience.

Providing "broad work-space" & expands flexibility:

- Display A3 contents with full scale or A4 windows side by side
- Allows full HD contents "without any image distortion" or scaling



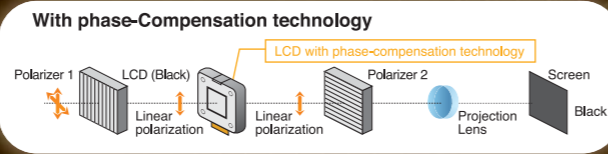
### Higher contrast

#### Phase-compensation technology

Achieve higher native contrast ratio thanks to new LCD panel with Epson's original phase-compensation technology.

Originally developed for "High-End" home cinema projector for its:

- Smoother image, Higher contrast
- Auto Iris to achieve Vivid image quality



#### Epson's C<sup>2</sup>Fine technology

C<sup>2</sup>Fine (Crystal Clear Fine) is based on an inorganic alignment layer and a vertically aligned liquid crystal. C<sup>2</sup>Fine offers smooth and uniform images with perfect contrast for high image quality.

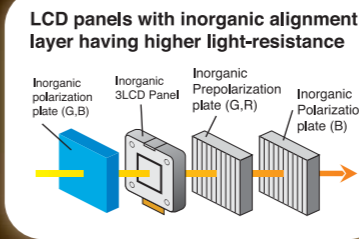


## Reliability-based design

### Long life optical engine

#### Much more improved with inorganic panel/components

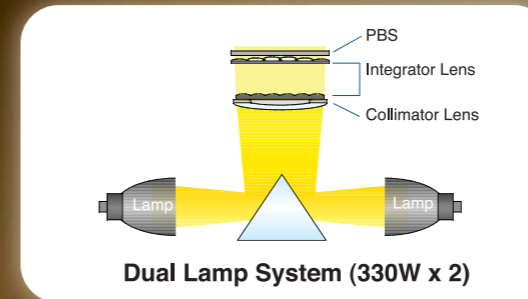
Provides superior reliability by new optical engine using inorganic device for LCD panels, Polarizer and PBS.



### Worry-free operation

#### Dual lamp system

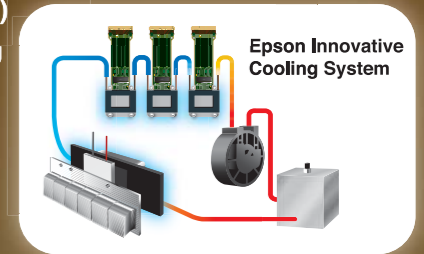
EB-Z8000 series are dual lamp projector which use two high wattage lamps (330W). Dual lamp system eliminates the risk to interrupt operation even when one lamp fails. If one lamp fails accidentally the operation can be continues with other lamp.



### Original liquid cooling system

#### Epson best optimised hybrid cooling system (Air, Liquid & Peltier)

Epson's original cooling system combining liquid & air cooling with Peltier device enables wider operating temperature up to 45 degree, quite noise level of 32dB.



### Super-easy maintenance & installation

#### Easy access to the lamps and filter for any installation

- Easily access to the lamp, No tools needed when replacing the lamps
- Side access to the filter, only one filter for easy replacement and one way cooling
- Hence lamp hours semiautomatically be reset (Auto reset function)
- 10,000 hours maintenance free with its pleated shape, electrostatic filter

#### Lamps replacement



#### Filter replacement



## Excellent color reproduction vs. 1 chip technology

#### Covering "DIGITAL CINEMA COLOR" (DCI) colour space

First Business Projector with built-in cinema filter Covering "DIGITAL CINEMA COLOR" (DCI) colour space.

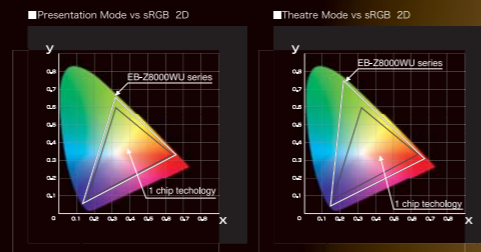
Realize both Brightness and best, suited colour for each scene utilized full of Epson colour management together with printer product.



#### Wide Colour Gamut

Absolute advantage with Epson Cinema Filter to success Wide Colour Space:

- Covers DCI colour gamut standard with Epson Cinema Filter
- Allows accurate and faithful reproduction of original colour and content



## Flexible system installation

### Monitoring & control

#### Possible to monitor and control the projectors with EMP Monitor and PJ Link on a wired, or wireless network.

With Epson Network monitoring and control software, from a single PC you can see which projectors are available and if they are running efficiently, even across the biggest networks. Your EB-Z8000 series projector can be configured remotely, and you can receive instant email alerts for pre-defined critical indicators such as non-functioning devices or overheating lamps. You can also access the projector's serial number remotely via LAN/serial connection.



### Flexible system installation

#### Easy carrying handles

EB-Z8000 series are equipped with carrying handles on the topside which enable the projector to be handled and carried easily and securely from unpacking to installation.

These bold handles also can be used for anti-theft and fall prevention by being connected securely to anchor bolts of the ceiling with a chain or wire.



## Aesthetic design

### Harmony with the environment

#### Symmetrical design

Thanks to the symmetrical design, when the projector mounted to the ceiling the white and thin-look body goes well with its surrounding such as ceiling and walls in the large meeting rooms or the lecture halls and lightens its presence.



#### Smart cabling

The connector panel is located on the front side and can be hidden with the front cover. This cover is designed with the flexure of the cables in mind.

This enables to hide the cables connected to the projector beautifully.



#### A complete line of optional Bayonet-Mount lenses (6 optional lenses)

The adoption of a bayonet mount makes lens replacement a cinch. Using optional lenses, the projectors can handle projection distances near and far. (Projection range: 2.0m to 21.17m, with 120 inch/16:10 screen)

The standard lens is equipped with 1.6x zoom, allowing a broader projection distance range.

