

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	Video DVI TypeD x 1	
Control I/O	Serial I/O	I/O Terminal D-sub 9pin x 1	
	I/O Signal	RS-232C	
Network I/O	Wired LAN	RJ45 x 1 100Mbps	
	USB I/O	N/A	Type A x 1 (Special I/O)
	Supported Wireless LAN unit	N/A	Optional Accessories only
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.

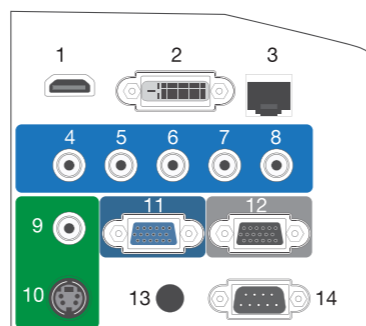
PROJECTION DISTANCE (16:10 ASPECT RATIO)

Projection Lens	REAR PROJECTION WIDE LENS (ELPLP51)			WIDE ZOOM LENS (ELPLP52)			STANDARD ZOOM LENS (ELPLP53)			MIDDLE THROW 1 ZOOM LENS (ELPLP54)			MIDDLE THROW 2 ZOOM LENS (ELPLM07)			LONG THROW ZOOM LENS (ELPLR04)							
	Type	Powered / Zoom/focus	Powered / Zoom/focus	Type	Powered / Zoom/focus	Powered / Zoom/focus	Type	Powered / Zoom/focus	Powered / Zoom/focus	Type	Powered / Zoom/focus	Powered / Zoom/focus	Type	Powered / Zoom/focus	Powered / Zoom/focus	Type	Powered / Zoom/focus						
F-Number	1.85	1.8-2.26	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51	1.8-2.51						
Focal Length	16.15mm	27.32mm-37.04mm	36.00mm-57.35mm	55.43mm-83.3mm	80.59mm-121.1mm	116.98mm-165.39mm																	
Zoom Ratio		1 - 1.37	1 - 1.61	1 - 1.5	1 - 1.5	1 - 1.5																	
Weight	1950g	2360g	1820g	2000g	2200g	2200g																	
Lens Shift Range	None* The lens shift moves structurally, but cannot guarantee it.	Powered/Vertical: ±70%; Horizontal: ±20% (Vertical: ±50%)	Powered/Vertical: ±70%; Horizontal: ±20% (Vertical: ±50%)	Powered/Vertical: ±70%; Horizontal: ±20% (Vertical: ±50%)	Powered/Vertical: ±70%; Horizontal: ±20% (Vertical: ±50%)	Powered/Vertical: ±70%; Horizontal: ±20% (Vertical: ±50%)																	
Screen size	Projection distance			Projection distance			Projection distance			Projection distance			Projection distance			Projection distance							
(Diagonal)	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch					
60	95	3.1	-	163	6.4	225	7.4	217	7.1	355	11.7	335	11	515	16.9	487	16	749	24.6	729	23.9	1000	33.8
70	112	3.7	-	192	6.3	264	8.6	255	8.4	416	13.6	383	12.9	603	19.8	572	18.8	877	28.8	855	28.1	1207	39.6
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	-	248	8.2	341	11.2	338	10.8	537	17.6	509	16.7	779	25.6	742	24.3	1150	37.2	1109	36.4	1561	51.2
100	162	5.3	-	277	9.1	383	12.5	368	12.1	597	19.6	567	18.6	827	27.1	793	26.1	1263	41.4	1236	40.5	1738	57
110	179	5.9	-	305	10	418	13.7	405	13.3	658	21.6	625	20.5	955	31.3	912	29.9	1392	45.7	1362	44.7	1915	62.8
120	196	6.4	-	334	11	457	15	443	14.5	719	23.6	683	22.4	1043	34.2	997	32.7	1520	49.9	1489	48.9	2092	68.8
200	331	10.9	-	561	18.4	766	25.1	743	24.4	1203	38.5	1147	37.6	1747	57.3	1677	55	2550	83.7	2503	82.1	3507	115.1
300	500	16.4	-	846	27.1	1153	37.8	1119	36.7	1808	58.3	1727	56.7	2627	86.2	2528	82.9	3838	125.9	3771	123.7	5277	173.1
500	838	27.5	-	1414	46.4	1926	63.2	1870	61.4	3019	99	2967	94.7	4398	144	4229	130.7	6409	210.3	6207	206.8	8916	299.2



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SEP09-22-PROJECTOR

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.

**EPSON COVERPLUS**  
**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
- Flexible Installation
- Superior Reliability
- Aesthetic Design

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

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**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



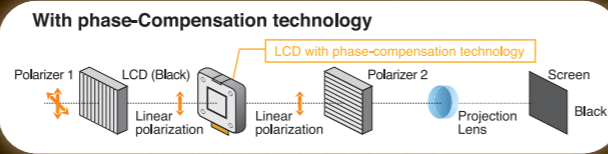
### Higher contrast

#### 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.

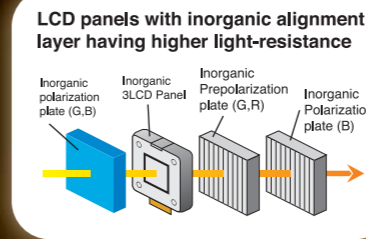


## Reliability-based design

### Long life optical engine

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

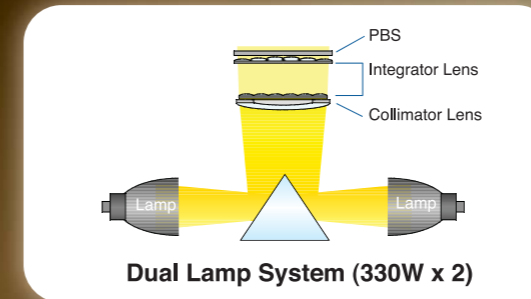
Provides superior reliability by new optical engine using inorganic device for LCD panels, Polarizer and PBS.



### Worry-free operation

#### Dual lamp system

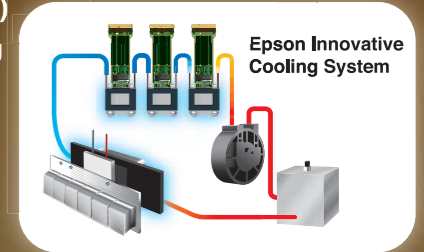
EB-Z8000 series are dual lamp projector which use two high wattage lamps (330W). Dual lamp system eliminates the risk to interrupt operation even when one lamp fails. If one lamp fails accidentally the operation can be continues with other lamp.



### 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

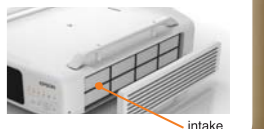
#### Easy access to the lamps and filter for any installation

- 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.

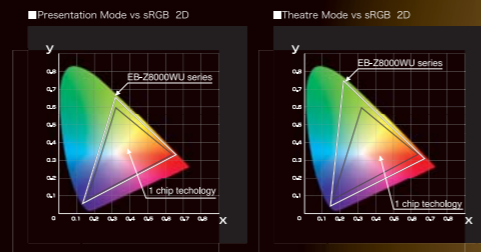
Realize both Brightness and best, suited colour for each scene utilized full of Epson colour management together with printer product.



#### 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.



## 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.



### 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.



#### 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.

