MULTIMEDIA PROJECTOR
EB-Z8050W

EPSON
EXCEED YOUR VISION

For images as sharp as your
business presentations

3LCD

Epson's top-of-the-line, all-in-one business projector combines Epson's 3LCD technology to deliver bright, high-quality, graphics-rich multimedia presentations in high resolution for an unbeatable cinema-like experience.

- **Dazzlingly bright projection in large screening venues**
  Brightness of up to 7000lm and contrast ratio of 5000:1 with Auto Iris for high-resolution projection on large screen sizes 60" - 500".

- **Razor-sharp, dynamic images with crystal-clear clarity**
  High quality image projection for a cinema-like experience

- **Reliable long-lasting performance**
  C^{2}Fine technology and Epson Cooling System means your Epson projector will outlast all others.

Give your presentations the impact they deserve

Designed to deliver quality presentations for a cinema-like experience.

Multimedia Projector EB-Z8050W

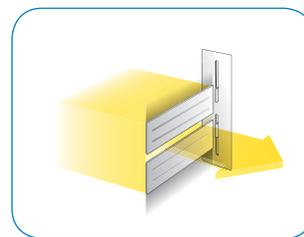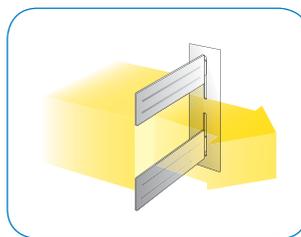## DAZZLINGLY BRIGHT PROJECTION IN LARGE SCREENING VENUES

Up to 7000lm

Make an impact in large venues on screen sizes as big as 60" – 500" without compromising on image quality.

Contrast ratio of 5000:1 with Auto Iris

- The ultra-high precision Auto Iris control system delivers a 5000:1 contrast ratio. The brightness level of each scene is monitored and the light output is automatically adjusted to the optimal level. So even with rapid switching between light and dark scenes, the projector adapts instantaneously to ensure deep blacks and accurate colour reproduction.

- Auto Iris works by moving the top and bottom shutters, constantly optimising light output to deliver crystal-clear highlights and deep dark blacks.

* Auto Iris feature is available only when Colour Mode is set to Dynamic, Theatre, or Customised.
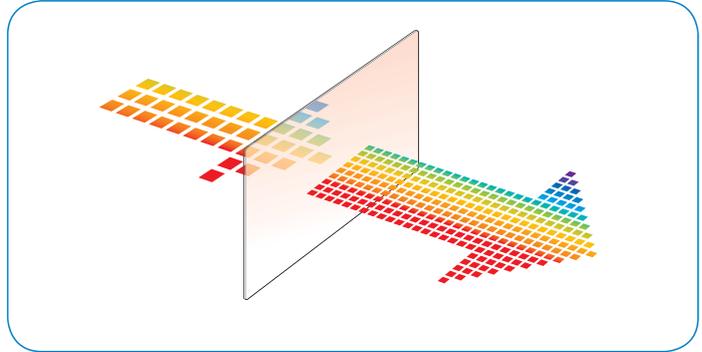
* Auto Iris is disabled when Multi-screen is set to On.

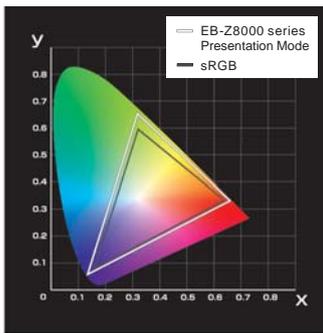# RAZOR-SHARP DYNAMIC IMAGES WITH CRYSTAL-CLEAR CLARITY

Cinema Filter

This is the first business projector equipped with cinema filter, typically used only in Epson's home projectors. The Epson Cinema Filter extracts very pure hues of the three primary colour gamut, enabling unbeatable colour reproduction and quality while maintaining the high contrast ratios that are difficult to achieve with electronic colour-correction. So your presentations become an accurate and faithful reproduction of the original colour and content, with the same range of colours as those of digital cinema.
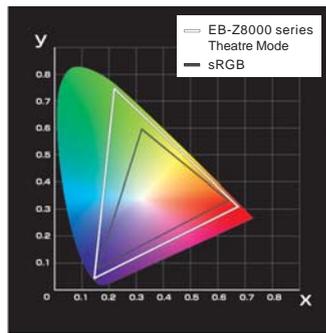

Optical filtering ensures a wide colour gamut
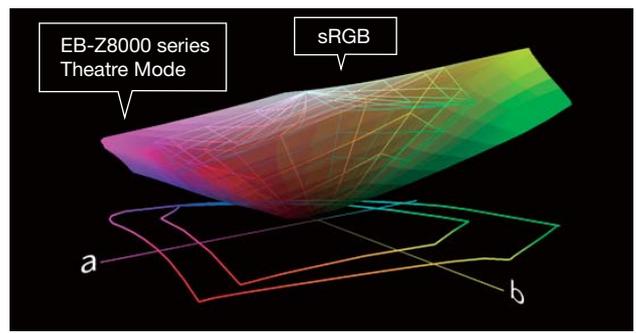
Presentation Mode vs sRGB

Theatre Mode vs sRGB

Comparison of color reproduction gamut: Presentation Mode vs. sRGB (international colour standard established by IEC)

Comparison of colour reproduction gamut: Theatre Mode vs. sRGB (international colour standard established by IEC)

Comparison of colour reproduction gamut: Theatre Mode vs. sRGB (international colour standard established by IEC)

*The Epson Cinema Filter activates automatically when Theatre mode or sRGB mode is selected.

With Auto Iris/Epson Cinema Filter

Without Auto Iris/Epson Cinema Filter

RELIABLE LONG-LASTING PERFORMANCE

Crystal Clear Fine (C²FINE) technology

C²FINE technology, previously only available in high-end home cinema projectors, is now available with the EB-Z8050W business projector. With C²FINE, flawless pictures are delivered more naturally and are easier on the eye.

Epson Revolutionises Projector Market with the 3LCD Technology and Retains World No.1 Leadership* for 8 Consecutive Years!

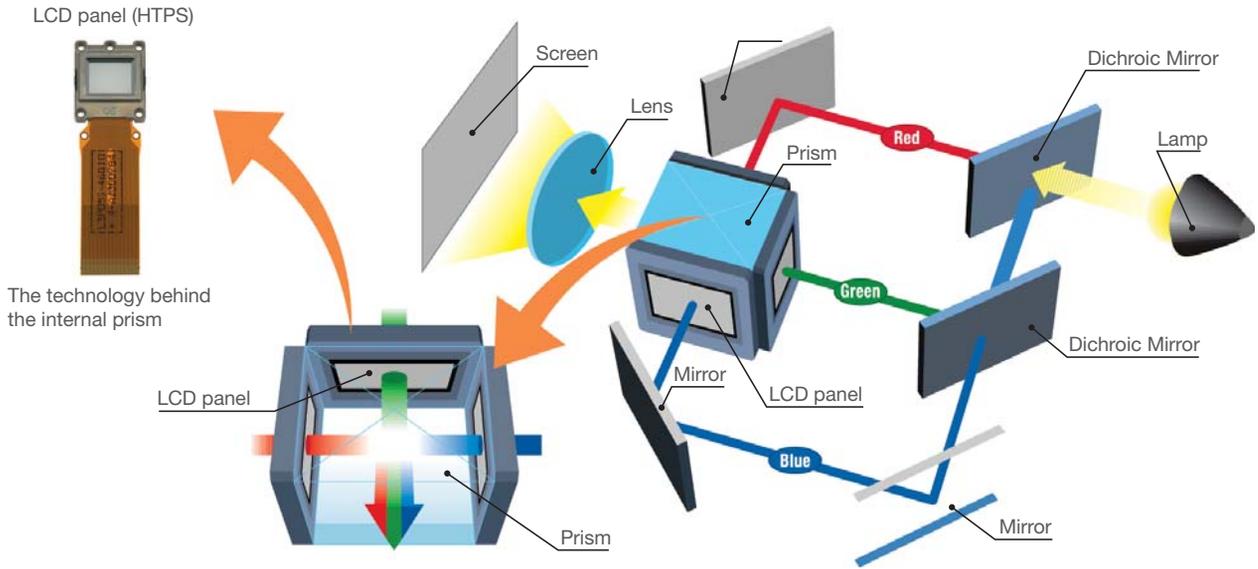*** (Based on independent research by FutureSource Consulting)**

Advantages of 3LCD Projection System
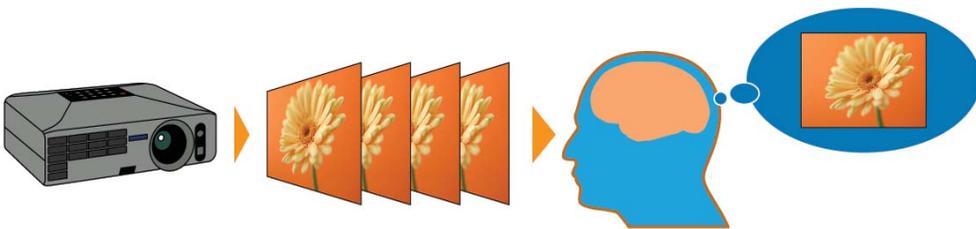
Bright Images and Faithful Colour Reproduction

3LCD projectors offer all-time colour (Red, Green and Blue) projection thereby ensuring faithful full colour reproduction. This is suitable for projection of colour intensive images such as videos, photographs and colour charts.

Incredible Details

3LCD projectors are able to produce an unparalleled range of grayscale images thus delivering incredible colour images that is smooth and seamless.

LCD panel (HTPS)

The technology behind the internal prism

LCD panel

Prism

Screen

Lens

Prism

Red

Green

Blue

Mirror

LCD panel

Mirror

Dichroic Mirror

Lamp

Dichroic Mirror

3LCD projector : RGB are projected at the same time so that it is easy on the eyes.

*HTPS (High Temperature Poly-Silicon) is an active matrix transmissive LCD. It is extremely small and produces high quality images.

Gentle on the Eyes

3LCD projectors' images do not suffer from colour break-up (commonly known as rainbow effect). The projections are easy on the eyes as you will not be affected by any distorted pattern.

3LCD projectors use 3 separate LCD panels to form a continuous image containing all colours (red, blue and green) ensuing smooth video playback; even for rapid-motion images.
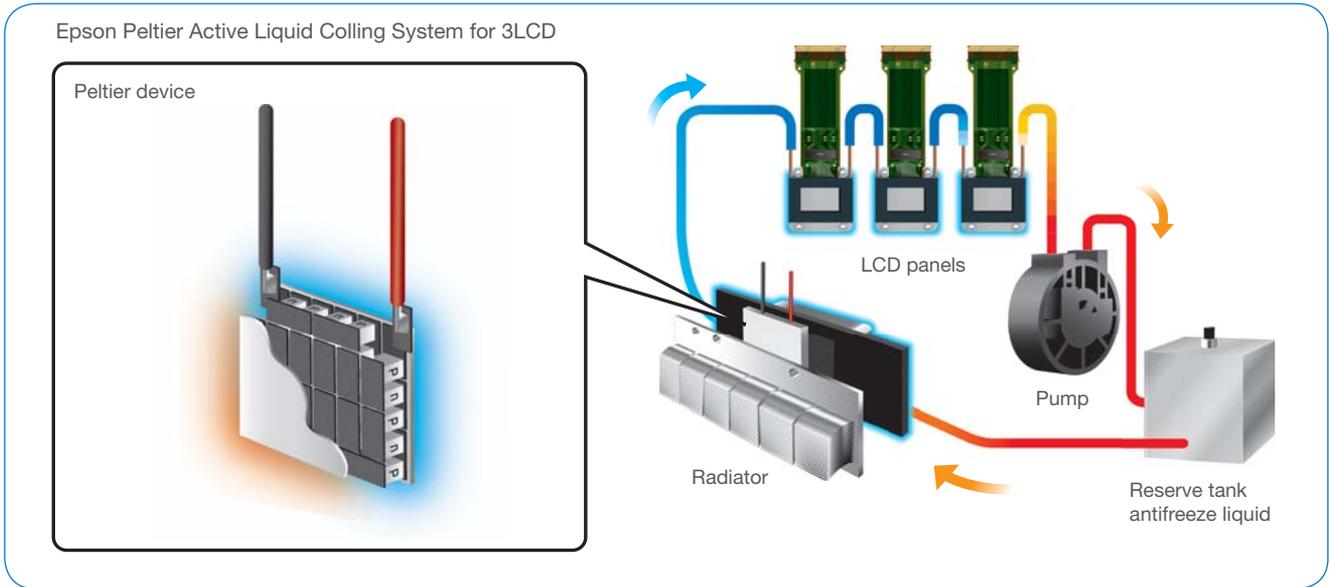
Reliable Technology

With more than 60 million 3LCD chips shipped to date, the powerful and road-tested 3LCD projection technology is extremely reliable and is trusted by many throughout to deliver sharp and true-to-life images.

Epson Original Cooling System

The Epson Original Cooling System uses a Peltier-effect heat exchange semiconductor circuit. This is the world's first projector ever to be equipped with a Peltier-effect cooling system, designed to preserve brightness and picture quality. Its low-noise operation ensures the projector remains unobtrusive in meeting rooms and lecture halls.

The inorganic LCD panel and optical component design allows the system to withstand temperatures of up to 45 Degrees Celsius, preventing the projector from overheating.

Epson Peltier Active Liquid Colling System for 3LCD

Peltier device

LCD panels

Pump

Radiator

Reserve tank
antifreeze liquid

Long-life dual lamp system

The projector is equipped with long-life lamps of 2500 hours (in normal mode) or 3500 hours (Eco mode). They can be replaced quickly without the need for tools or removal of the unit from the ceiling.

Easy-to-replace filter

This long-life maintenance-free filter protects the projector by absorbing airborne dust, preventing it from entering the projector. Simply remove the side cover to replace the filter when needed.

EASY TO INSTALL AND USE

Ceiling mounting

The projector can be easily mounted onto the ceiling without being turned upside down. This gives easy access to the control panel even when ceiling mounted.

Lens shift

With a maximum vertical lens shift of 70% and maximum horizontal lens shift of 20%, you can place the image on screen exactly where it needs to be.

Vertical projection

Vertical projection upwards or downwards makes this projector ideal for malls or media owners to project marketing messages with impact.

EPSON
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3LCD

225mm
734mm
534mm
Weight 22kg

Multimedia Projector EB-Z8050W

SPECIFICATIONS

SUPPLIED ACCESSORIES

Power Cable	3m, 3 Wire (White) (New)
Computer Cable	1.8m D-sub 15pin (Male) - D-sub 15pin (Male)
USB Cable	N/A
Remote Control	With AA type alkaline batteries x 2 pcs
Bundled Software	CDROM (Meeting & Monitoring) Ver. 1.10
Password Protect Sticker	
User's Manual Set	
Foot Cover	

OPTIONAL ACCESSORIES

Spare Lamp	ELPLP51
	(2 Lamps Set: ELPLP52)
Air Filter	ELPAF23 (New)
Wireless LAN Card	ELPAP03
Computer Cable HD15 / HD15, 1.8m	ELPKC02
Computer Cable HD15 / HD15, 3.0m	ELPKC09
Computer Cable HD15 / HD15, 20.0m	ELPKC10
Component Video Cable HD15 / 3RCA (male), 3.0m	ELPKC19
Remote Control Cable Set 10m x 2	ELPKC28
Ceiling Mount White Colour	ELPMB25, ELPMB26 (New)
Mouse Receiver	ELPST16
Option Lens	
- Rear Projection Wide Lens	ELPLR04 (New)
- Wide Zoom Lens	ELPLW04 (New)
- Standard Zoom Lens	ELPLS04 (New)
- Middle Throw Zoom Lens1	ELPLM06 (New)
- Middle Throw Zoom Lens2	ELPLM07 (New)
- Long Throw Zoom Lens	ELPLL07 (New)

CONNECTOR PANEL

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

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SPECIFICATION OF MAIN PARTS

LCD	SIZE	0.95-inch wide panel with MLA
	PIXEL NUMBER	1,024,000 dots (1280 x 800) x 3
	NATIVE RESOLUTION	WXGA
	ASPECT RATIO	16:10
PROJECTION LENS	TYPE	Power zoom / Power focus / Power shift
	F-NUMBER	1.65 - 2.51
	FOCAL LENGTH	36.00mm - 57.35mm
LAMP	TYPE	330W UHE x 2
	LIFE	2500 hours (Power Consumption: Normal)
		3500 hours (Power Consumption: ECO)

SCREEN SIZE (PROJECTED DISTANCE)	60" to 500" [2.17m to 18.70m] (Zoom: Wide)
	60" to 500" [3.55m to 30.19m] (Zoom: Tele)
LIGHT OUTPUT (BRIGHTNESS)	
NORMAL (2 LAMPS)	7000lm
ECO (2 LAMPS)	5600lm
COLOUR LIGHT OUTPUT (COLOUR BRIGHTNESS)	7000lm
CONTRAST	
AUTO IRIS: ON	5000:1
OPERATING TEMPERATURE	0 °C to 45 °C (32°F to 113°F)
OPERATING ALTITUDE	0m to 3048m (0ft to 10000ft)
DIRECT POWER ON	Yes
DIRECT POWER OFF	Yes
START-UP PERIOD	About 20 seconds
	Warm-up period: 30 seconds
COOL-DOWN PERIOD	Instant off or 0 second

POWER CONSUMPTION		
100 - 120V AREA	LAMP ON	938W
(JAPAN, USA, ETC)	LAMP ON	763W
	STANDBY (NETWORK ON)	10.2W
	STANDBY (NETWORK OFF)	0.3W
220 - 240V AREA	LAMP ON	872W
(EUROPE, ETC)	LAMP ON	720W
	STANDBY (NETWORK ON)	12.0W
	STANDBY (NETWORK OFF)	0.5W

DIMENSION	
EXCLUDE FEET (D X W X H)	534 x 734 x 167mm
	(not including foot, projection lens and handle)
MAXIMUM DIMENSION (D X W X H)	534 x 734 x 225mm
WEIGHT	Approx. 48.4bs. / 22kg TBD (including lens)
FAN NOISE	
POWER CONSUPMTION: NORMAL/ECO	38 dB / 32 dB
LENS SHIFT RANGE	Vertical: -70% to +70% (H Center) (Powered)
	Horizontal: -20% to +20% (V Center) (Powered)
WIRELESS SPECIFICATION	
SUPPORTED SPEEDS FOR EACH MODE	IEEE 802.11b : 11 Mbps
	IEEE 802.11g : 54 Mbps
	IEEE 802.11a : 54 Mbps
AIR FILTER	
MAINTENANCE CYCLE	10000H