PROJECTOR
EB-S9/X9/W9

Revolutionise the way you conduct presentations
with 3LCD technology

EPSON
EXCEED YOUR VISION

3LCD

2001 - 2009
No.1
WORLD'S BEST SELLING
PROJECTOR BRAND
Based on Futuresource
Consulting data
Epson Projectors

This highly versatile projector harnesses Epson's latest 3LCD technology to deliver presentations of impeccable colour and high image quality at an economical price suitable for schools and businesses.

- **Enjoy vivid images in bright environments and in large venues**
  High white light output of 2500 lumens and colour light output of 2500 lumens

- **Long-lasting lamp life of up to 5,000 hours**
  Powered by Epson's E-TORL lamp

- **Quick and easy plug and play**
  USB direct display with Mac and Windows operating systems

- **Impactful presentations with added convenience**
  Temporarily "mute" and resume your presentations with a push of the slide cover

- **Cleverly positioned exhaust eliminates distraction**
  The exhaust positioned in the front eliminates any distraction for the audience sitting near the projector

This highly versatile projector harnesses Epson's latest 3LCD technology to deliver presentations of impeccable colour and high image quality at an economical price suitable for schools and businesses.

EB-S9/X9/W9

ENJOY VIVID IMAGES IN BRIGHT ENVIRONMENTS AND IN LARGE VENUES

Maintaining eye contact and interaction with your audience is essential for an effective presentation. With this projector's high white and colour light output projecting improved brightness of 2500 lumens, your presentations remain vivid in bright rooms and large venues, so you can constantly engage your audience.

LONG-LASTING LAMP LIFE OF UP TO 5,000 HOURS

Enjoy greater cost savings and ease of maintenance with Epson's proprietary long-lasting 'E-TORL' lamp. Designed to optimise light output, the highly efficient Epson E-TORL lamp delivers noticeably sharper images to give that added professional touch to your presentations.

E-TORL Lamp
Conventional Lamp

QUICK AND EASY PLUG AND PLAY

There is no waiting for this projector to warm up before you can start. Simply plug in the USB cable provided and play right away. Take complete control of your presentations with the remote controller that acts as a mouse and page selector.

IMPACTFUL PRESENTATIONS WITH ADDED CONVENIENCE

Conduct your presentations seamlessly with the AV-mute lens-shutter which allows temporary pauses of the presentation. Simply resume the presentation again with a quick slide of the shutter.

CLEVERLY POSITIONED EXHAUST ELIMINATES DISTRACTION

The exhaust is intelligently positioned in the front which means no distractions during the presentation for the audience seated at the sides or back of the projector.

USB DIRECT DISPLAY - COMPATIBLE WITH MAC AND WINDOWS OPERATING SYSTEMS

Versatile to meet your needs, this projector operates on both Mac and Windows operating systems, giving you the convenience to choose your preferred presentation platform.

EASY SHUT-DOWN

When your presentation is finished, simply unplug and pack up. No cool-down is required, so you can be ready to move on to your next meeting in no time.

SMALL AND STYLISH – YOUR PERFECT PRESENTATION COMPANION

An expression of beauty for your table top, the small and sleek design of the projector provides an added elegance to your presentations. Lightweight and compact, this projector is the ideal portable solution to all your presentations on the move.

SECURITY FEATURES FOR ADDED PROTECTION

Protect your settings

Lock the control panel buttons so that inquisitive fingers do not accidentally change your fixed settings. The remote control will still be fully operational.

Protect against theft

Secure your projector to a permanent fixture with a wire cable, chain or Kensington lock to prevent theft.

Password protect

With power-on password access, its power can be disabled if your projector is stolen. The password function shuts down completely after 30 incorrect attempts, so even if the correct password is eventually entered, the projector will not work.

Eco Features

- Equipped with an E-TORL lamp, engineered to maximise light usage efficiency
- Uses just 0.4W 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 go to **www.epson.com/environment**

PARTNERS IN PERFECTION

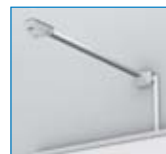### Ultra portable Document Camera ELPDC06

Easily portable; 0.96kg/2.11lbs
1.92 megapixels with 15fps
4 x digital zoom
USB powered

Desktop Document Camera ELPDC11

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

Interactive Unit ELPIU01

USB powered
Easy interactive function
Simple and easy set up

Colour Light Output
- an easy way to evaluate projector colour output

What is Colour Light Output?

Colour Light Output (CLO) is a specification that provides critical information on a projector's ability to deliver colour. Developed by colour scientists using the same approach as White Light Output (Brightness) measurement, Colour Light Output provides the buyer with additional key information about colour.

Does Brightness measure colour?

No. Current product specifications such as Brightness (or White Light Output), Contrast Ratio and Resolution give no information regarding a projector's ability to reproduce colour. The existing Brightness specification only measures the total amount of White Light projected. It does not measure colour – in fact, many manufacturers artificially boost brightness by adding white light, which dilutes the projector's colour brightness.

Why is Colour Light Output important?

Colour Light Output is critically important because it measures the brightness of Red, Green and Blue. Red, Green and Blue create white when combined in the right proportions. They also comprise the input signal that tells your projector how to reproduce colour images. Beautifully balanced colour is possible when bright Red, Green and Blue combine to produce the brightness equal to White. Colour Light Output provides users with an additional way to evaluate a projector and make more discerning buying decisions.

Is Colour Light Output the same in all projectors?

No. There are vast differences in the Colour Light Output of projectors on the market today. Look at the images below from two competing projectors

3LCD Projector
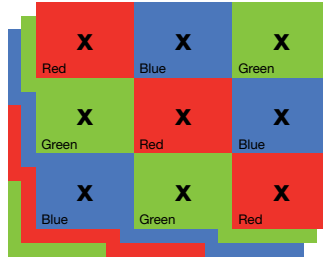
Brand X

Image #1*

Image #1*

Image #2*

Image #2*

Colour Light Output specification describes the difference in colour between these two projectors.

How is Colour Light Output measured?

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.
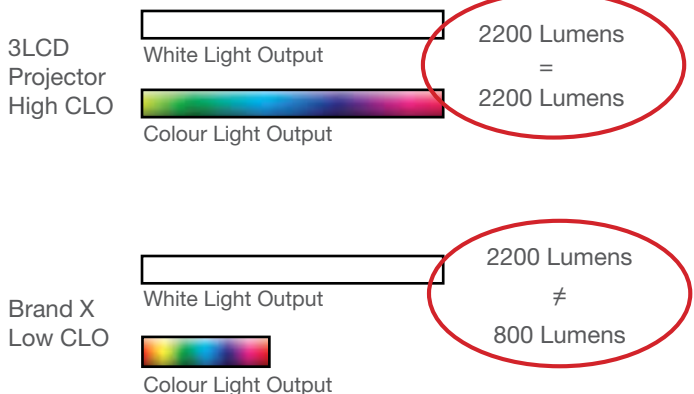

Colour Light Output uses 3 sets of a nine-point grid to measure the primary colours - red, green and blue, using the same approach used to measure White Light Output in lumens.

How should Colour Light Output be used?

Colour Light Output should be used with White Light Output to provide insight into a projector's overall picture quality. Two things to remember:

> 1. Select High Colour Light Output.
>
> 2. Make sure the Colour Light Output equals the White Light Output.

3LCD Projector High CLO

White Light Output

Colour Light Output

2200 Lumens
=
2200 Lumens

Brand X Low CLO

White Light Output

Colour Light Output

2200 Lumens
≠
800 Lumens

> When selecting a projector, ask for the Colour Light Output measurement.

* Actual photographs of images produced by 2 competing projectors run in default mode. Price, Resolution and Brightness (White Light Output) are the same for both projectors.

Epson Revolutionises Projector Market with 3LCD Technology and Leads as World's No.1* Projector Brand for 9 Consecutive Years!

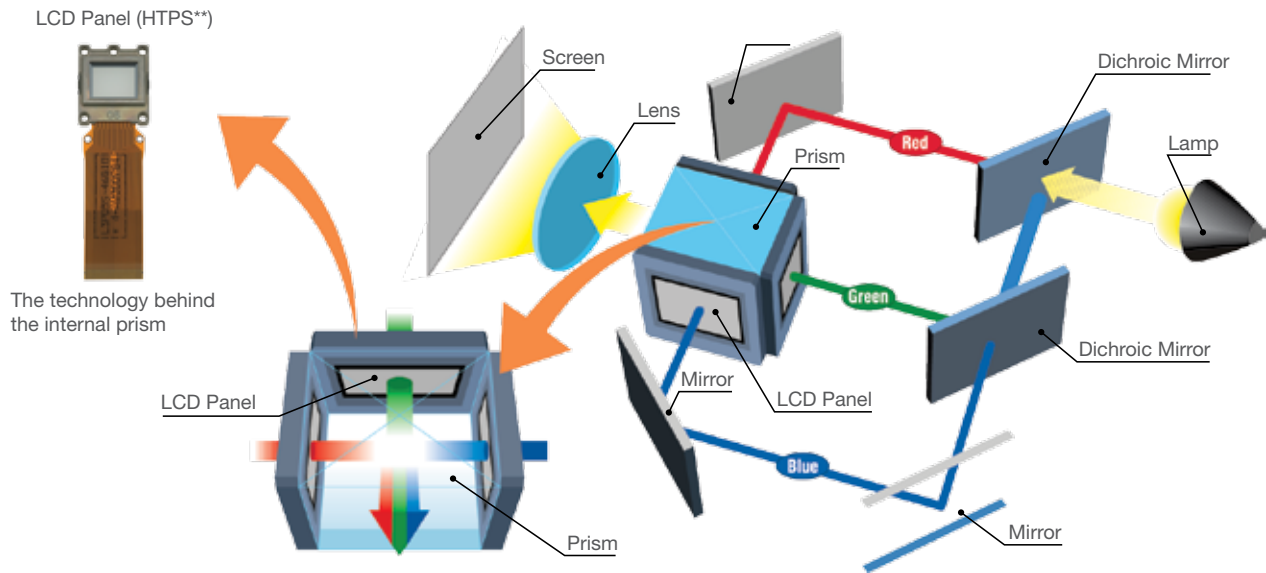*** Based on independent research by Futuresource Consulting**

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, which contributes to delivering incredible colour images that are 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

Dichroic Mirror

Lamp

3LCD projector : RGB are projected at the same time, which makes the single composite image easy on the eyes.
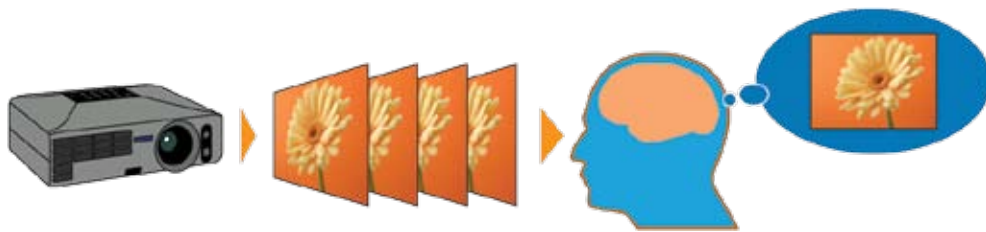
** HTPS (High Temperature Poly-Silicon) is an active matrix transmissive LCD. It is extremely small and produces high-quality images.

Gentle on the Eyes

3LCD projectors' images do not suffer from colour break-up (commonly known as the 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) ensuring 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
EXCEED YOUR VISION

3LCD

77mm (3.03")
228mm (8.98")
295mm (11.61")

Weight 2.3kg
(Approx. 5.1lbs)

EB-S9/X9/W9

SPECIFICATIONS

SUPPLIED ACCESSORIES

Power Cable	1.8m
Computer Cable	1.8m, HD15 / HD15
Remote Control	With AA type Manganese batteries x 2
Soft Carrying Case	
Password Protect Sticker	
Owner's Manual	

OPTIONAL ACCESSORIES

Spare Lamp	ELPLP58
Air Filter Set	ELPAF25
Soft Carrying Case	ELPKS16B
Interactive Unit	ELPIU01
Desktop Document Camera	ELPDC11
Portable Document Camera	ELPDC06#

Allows direct connection with selected Epson projectors. Check website for details
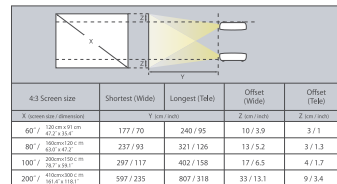
CONNECTOR PANEL EB-S9/X9/W9
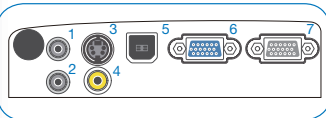
CONNECTOR PANEL

1   Audio Out
2   Audio Input
3   S-Video Input
4   Video Input
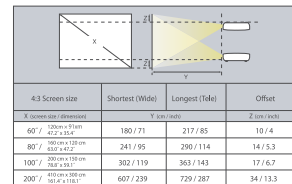5   USB (Type B)
6   Computer Input
7   Monitor Out

	EB-S9 V11H376052	EB-X9 V11H375052	EB-W9 V11H374052
MODEL NUMBER **PRODUCT CODE**			
PROJECTION METHOD	RGB liquid crystal shutter projection system		
SPECIFICATION OF MAIN PARTS			
LCD PIXEL NUMBER NATIVE RESOLUTION ASPECT RATIO	480,000 dots (800 x 600) x 3 SVGA 4:3	786,432 dots (1024 x 768) x 3 XGA	1,024,000 dots (1280 x 800) x 3 WXGA 16:10
PROJECTION LENS TYPE	Manual focus & 1.35x digital zoom	Manual focus & 1.2x optical zoom	
F-NUMBER FOCAL LENGTH	1.44 16.6mm	1.58 - 1.72 16.9mm - 20.28mm	
LAMP TYPE LIFE (NORMAL/ECO)	200W UHE (E-TORL) 4000 hours / 5000 hours		
BRIGHTNESS* WHITE LIGHT (NORMAL/ECO) COLOUR LIGHT (NORMAL ECO)	2500 lm / 1960 lm 2500 lm / 1960 lm		
CONTRAST RATIO*	2000:1		
SCREEN SIZE [PROJECTED DISTANCE]	30" to 350" [0.87 to 10.5m]	30" to 300" [0.9 to 9.0m]	33" to 318" [0.9 to 9.0m]
OFFSET	8:1		6:1
SOUND OUTPUT	1W Monaural		
KEYSTONE CORRECTION	Vertical: -30 to +30 degrees		
AUTO KEYSTONE CORRECTION	N/A		
OPERATING TEMPERATURE	5 °C to 35 °C <41 °F to 95 °F> (20% - 80% Humidity)		
OPERATING ALTITUDE	0m to 2286m <0ft to 7500ft> (over 1500m / 4,921ft: with High altitude mode)		
START-UP PERIOD	About 5 seconds		
DIRECT POWER ON / OFF	Yes / Yes		
COOL-DOWN PERIOD	Instant off		
POWER SUPPLY VOLTAGE	100 - 240V AC +/- 10%, 50/60 Hz		
POWER CONSUMPTION 100 - 120V LAMP ON STAND BY 220 - 240V LAMP ON STAND BY	280W 0.3W (Communication Off) 265W 0.4W (Communication Off)		
DIMENSIONS EXCLUDE FEET (D X W X H)	228 x 295 x 77 mm (8.98 x 11.61 x 3.03")		
WEIGHT	Approx. 2.3kg		
FAN NOISE (NORMAL / ECO)	37dB / 29dB		

*Colour mode: Dynamic, Zoom: Wide

PROJECTION DISTANCE (EB-S9)

4:3 Screen size		Shortest (Wide)	Longest (Tele)	Offset (Wide)	Offset (Tele)
X (screen size / dimension)		Y (cm / inch)		Z (cm / inch)	Z (cm / inch)
60"	120 cm x 91 cm 47.2" x 35.4"	177 / 70	240 / 95	10 / 3.9	3 / 1
80"	160cm x120 cm 63.0" x 47.2"	237 / 93	321 / 126	13 / 5.2	3 / 1.3
100"	200cm x150 cm 78.7" x 59.1"	297 / 117	402 / 158	17 / 6.5	4 / 1.7
200"	410cm x300 cm 161.4" x 118.1"	597 / 235	807 / 318	33 / 13.1	9 / 3.4

PROJECTION DISTANCE (EB-X9)

4:3 Screen size		Shortest (Wide)	Longest (Tele)	Offset
X (screen size / dimension)		Y (cm / inch)		Z (cm / inch)
60"	120cm x 91cm 47.2" x 35.4"	180 / 71	217 / 85	10 / 4
80"	160 cm x 120 cm 63.0" x 47.2"	241 / 95	290 / 114	14 / 5.3
100"	200 cm x 150 cm 78.7" x 59.1"	302 / 119	363 / 143	17 / 6.7
200"	410 cm x 300 cm 161.4" x 118.1"	607 / 239	729 / 287	34 / 13.3

PROJECTION DISTANCE (EB-W10)

16:10 Screen size		Shortest (Wide)	Longest (Tele)	Offset
X (screen size / dimension)		Y (cm / inch)		Z (cm / inch)
60"	130 cm x 81 cm 51.0" x 32.0"	168 / 66	202 / 79	12 / 4.5
80"	170 cm x 110 cm 67.0" x 43.0"	225 / 88	270 / 106	15 / 6.1
100"	220 cm x 130 cm 87.0" x 57.0"	281 / 111	338 / 133	19 / 7.6
200"	430 cm x 270 cm 169.0" x 106.0"	566 / 223	680 / 268	38 / 15.1