BUSINESS PROJECTORS
EB-S11H/X11H/X14H/X15

EPSON
EXCEED YOUR VISION

A VERSATILE PROJECTOR SERIES AT THE RIGHT PRICE.

Epson's newest affordable 3LCD projector series now offers enhanced features and imaging capabilities, all in an intuitive, compact and cost-effective package that delivers vivid and sharp presentations.

EB-S11H/EB-X11H/EB-X14H

EB-X15

3-in-1
USB display

3-in-1
USB Display

Horizontal
Keystone
Adjuster

2 PC
Input
Terminals

ENGINEERED FOR BUSINESS

Adjust and Optimise Images with Ease
Automatic and efficient keystone correction

Extended Connectivity
Diverse I/O choices for connection convenience without need for converters

One-Step Access to Standby Mode
A/V mute slide function to instantly stop projection and enhance lamp life

Epson's 3LCD business projectors from this series are designed with user convenience in mind. This series allows complete flexibility with keystone correction that delivers superb images automatically and a wide range of I/O choices for ultimate ease of use.

Adjust and Optimise Images with Ease

Deliver powerful presentations anywhere in the room. With the easy-to-use sliding Horizontal Keystone Adjuster*, screen corrections can be done quickly, easily and accurately, for both beginners and experienced users.

With automatic vertical keystone detection and adjustment*, there is no longer any need for awkward and time-consuming manual image adjustments that interrupt the smooth flow of your presentation delivery. This handy feature automatically detects the projector's vertical keystone distortion and corrects it instantly.
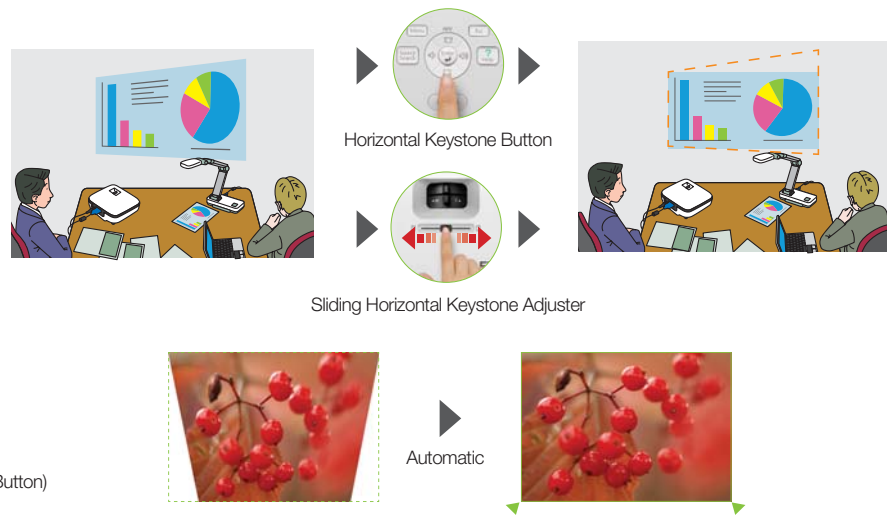
* For EB-X15 only
   (EB-S11H/ X11H/ X14H with Horizontal/Vertical Keystone Adjustment Button)

Horizontal Keystone Button

Sliding Horizontal Keystone Adjuster

Automatic

Expand your Connectivity Options

Additional I/O Terminals

With all models equipped with two PC input RS-232C and audio output terminals, flexibility is now in your hands. You can now connect to your devices of choice without the need for splitters or converters.
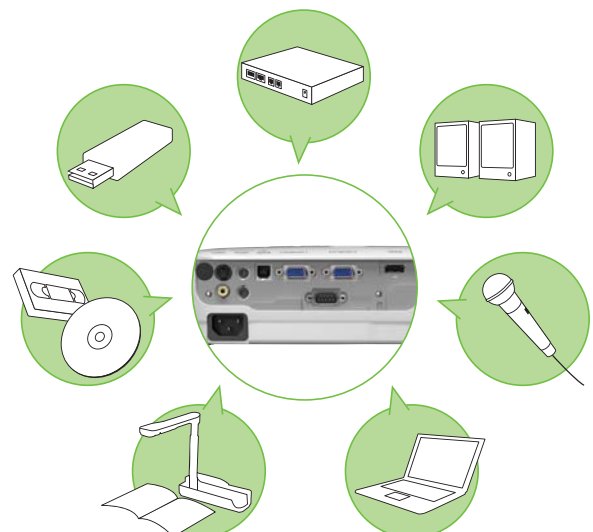
Monitor Out Terminal

A convenient monitor output* capability makes sharing of presentations possible even when view of the main projection is blocked.

* For EB-S11H/X11H/X14H only

HDMI Terminal

In addition, a HDMI terminal** reduces the number of connections required by combining audio and visual into a single source.

** For EB-X15 only

One-Step Access to Standby Mode

Fully manage what is being projected simply by sliding the A/V Mute Slide Function. Doing so will project a black screen internally, switching off all audio and visual instantly, akin to your laptop's screen-saver mode.

Lamp life is also enhanced as unnecessary projection can be halted effortlessly with just a slide.

Minimise Discomfort during Presentations with the Redirected Exhaust

The front-facing exhaust is designed with the comfort in mind of anyone sitting within close proximity of the projector.

This allows the audience to fully concentrate on the presentation, even if they are seated beside or behind the projector.
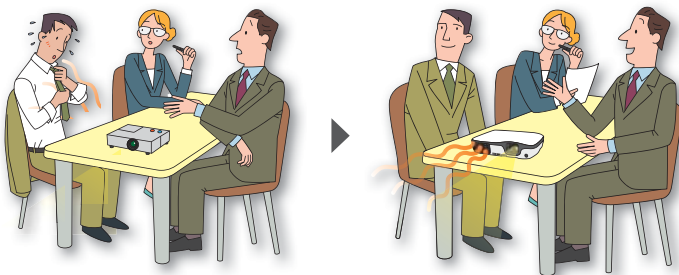
Reduce the Need for Unsightly and Messy Cabling

3-in-1 USB Display

Designed to better assist the way you teach or present, this 3-in-1 USB Display feature allows image projection, sound transmission and mouse operation from a computer to the projector via a USB cable, eliminating complicated cabling. Since this projector series operates on both Mac and Windows operating systems, you can choose your preferred presentation platform.

RGB (Image)

Audio

USB (Page Up/Down)

1 USB Cable
(Image, Audio, Mouse control)
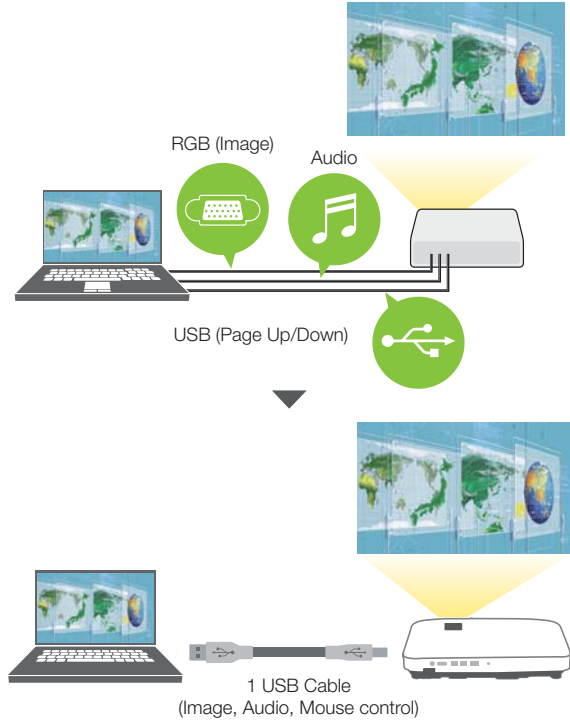
Built-in Speaker

A two-watt monaural speaker built into the projector facilitates audio presentations, further reducing the need for trailing cables connecting to external speakers.

Eco Features

- Equipped with a E-TORL lamp engineered to maximise light usage and power efficiency
- Uses just 0.47 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**

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

EPSON REVOLUTIONISES PROJECTOR MARKET WITH 3LCD TECHNOLOGY AND LEADS AS WORLD'S NO.1* PROJECTOR BRAND FOR 11 CONSECUTIVE YEARS!

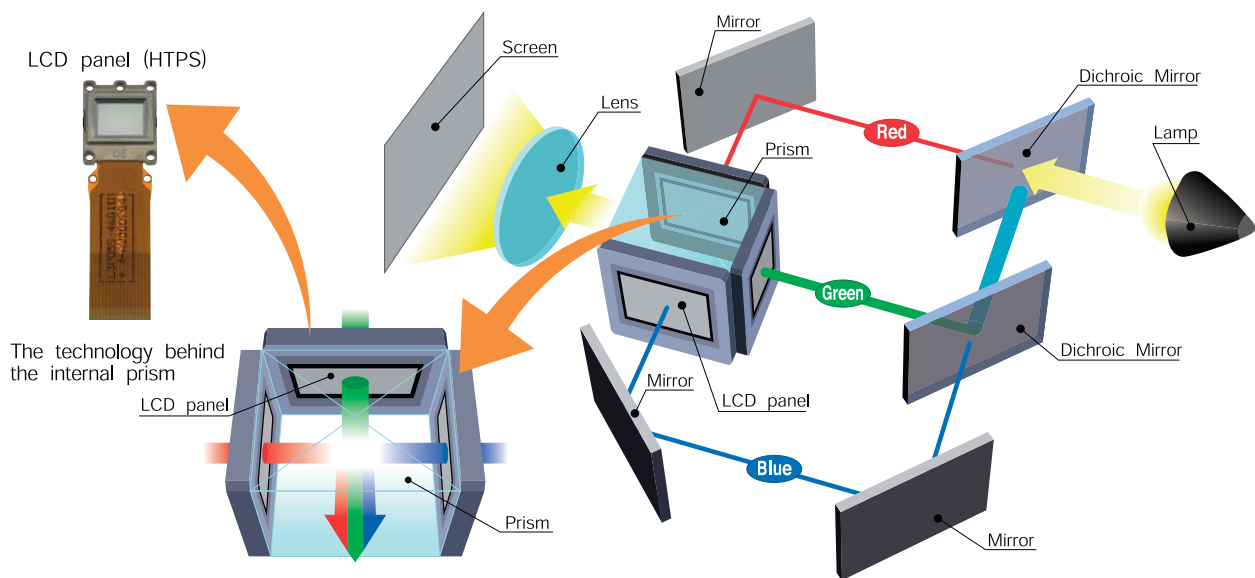## * Based on independent research by Futuresource Consulting

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)

Screen

Lens

Mirror

Dichroic Mirror

Lamp

Red

Prism

The technology behind the internal prism

LCD panel

Green

Dichroic Mirror

Mirror

LCD panel

Prism

Blue

Mirror

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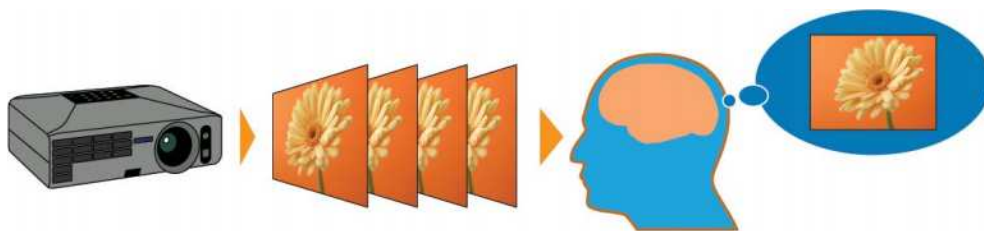
** HTPS (High Temperature Poly-Silicon) is an active matrix transmissive LCD.
It is extremely small and produces high-quality images.

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

www.3lcd.com

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

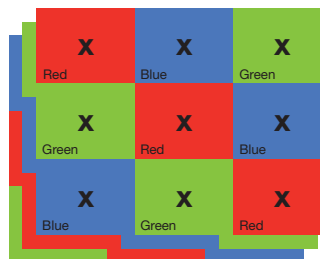3LCD Projector | Brand X

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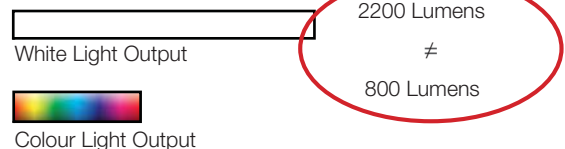
When selecting a projector, ask for the Colour Light Output measurement.

* 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.

www.colorlightoutput.com

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MODEL NUMBER		EB-S11H	EB-X11H	EB-X14H	EB-X15
Projection Technology		RGB liquid crystal shutter projection system (3LCD)			
Specifications of Main Parts					
LCD	Size	0.55" without MLA (D7)	0.55* without MLA (D8)	0.55" with MLA (D8)	
	Native Resolution	SVGA	XGA		
Projection Lens	Type	No Optical Zoom / Focus (Manual)	Optical Zoom (Manual) / Focus (Manual)		
	F-Number	1.44	1.58 - 1.72		
	Focal Length	16.7mm	16.9mm-20.28mm		
	Zoom Ratio	1-1.35 (Digital Zoom)	1 - 1.2		
	Throw Ratio	1.45 - 1.96 (Wide - Tele)	1.48 - 1.77 (Wide - Tele)		
Lamp	Type	200W UHE (E-TORL)			
	Life (Normal / Eco)	4,000 hours / 5,000 hours			
Screen Size (Projected Distance)					
Zoom: Wide		30" - 350" [0.88m - 10.44m]	30" - 300" [0.9m - 9.0m]		
Zoom: Tele		23" - 260" [0.88m - 10.44m]	30" - 300" [1.08m - 10.8m]		
Standard size		60" screen 1.77m - 2.4m	60" screen 1.8m - 2.17m		
Brightness					
White Light Output (Normal / Eco)		2,600lm / 2,080lm		3,000lm / 2,400lm	
Colour Light Output		2,600lm		3,000lm	
Contrast Ratio		3,000:1			
Internal Speaker(s)					
Sound Output		2W monoaural			
Keystone Correction					
Vertical / Horizontal		±30° / ±30°			
Auto Keystone Correction		N/A			Yes (Vertical only)
Connectivity					
Analog Input	D-Sub 15pin	2 (Blue)			
	Component	D-sub 15pin Blue molding (in common with Analog RGB connector)			
	Composite	RCA (Yellow) x 1			
	S-Video	Mini DIN x 1			
Digital Input	HDMI	N/A			1
Output Terminal	D-Sub 15pin	1 (Black)			N/A
Others	USB Type B	1			
Control I/O	RS-232C	D-sub 9pin x 1			
	USB	USB Type B x 1 (3-in-1 USB Display)			
Operating Temperature		5°C - 35°C <41°F - 95°F> (20% - 80% Humidity)			
Operating Altitude		0m - 2,286m <0ft - 7,500 ft> (over 1,500m / 4,921ft: with High altitude mode)			
Direct Power On / Off		Yes			
Start-Up Period		about 5 seconds, Warm-up period: 30 seconds			
Cool Down Period		Instant off or 0 second			
Power Supply Voltage		100 - 240 V AC +/- 10%, 50/60 Hz			
Power Consumption (220 - 240V)					
Lamp On (Normal / Eco)		270W / 223W			
Standby (Network On / Off)		3.3W / 0.47W			
Dimension Excluding Feet (D X W X H)		228mm x 295mm x 77mm			
Weight		Approx. 5.1lbs. / 2.3kg			
Fan Noise (Normal / Eco)		37 dB / 29dB			

Supplied accessories

Power Cord: 1.8m

Computer Cable: 1.8m D-sub 15pin (Male) - D-sub 15pin (Male)

USB Cable: 1.8m, USB A / USB B

Remote Control: Compact type

Battery: Manganese dry cell x 2

Soft Carrying Case: ELPKS63

User's Manual Set

Optional accessories

Replacement Lamp: ELPLP67

Air Filter Set: ELPAF32

EB-S11H/EB-X11H/EB-X14H

EB-X15

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