MODEL NUMBER		EB-L610U	EB-L510U
Projection Technology		RGB liquid crystal shutter projection system	
Specifications of Main Parts			
LCD	Size	0.67" (D10 C²fine)	
Native Resolution		WUXGA (1920 x 1200)	
Lightsource	Type	Laser Diode	
	Life (Normal / Quiet / Extended)	20,000 / 20,000 / 30,000 hours	
Projection Lens (Standard Zoom Lens ELPLM15, Sold Separately)			
	Type	Optical Zoom (Manual) / Focus (Manual)	
	F-Number	1.5 - 1.7	
	Focal Length	20.0 - 31.8 mm	
	Zoom Ratio	1-1.6	
	Throw Ratio	1.35 - 2.20 (Wide to Tele)	
Lens Shift	Type	Manual	
	Vertical (Up/Down)	-50%	
	Horizontal (Left/Right)	-20%	
Screen Size (Projected Distance)			
Zoom: Wide		50" - 500" [1.44 - 14.76 m]	
Zoom: Tele		50" - 500" [2.35 - 23.84 m]	
Brightness*¹			
White Light Output (Normal / Extended)		6,000lm / 4,200lm	5,000lm / 3,500lm
Colour Light Output		6,000lm	5,000lm
Contrast Ratio		Over 2,500,000:1	
Internal Speaker(s)			
Sound Output		10W Monaural	
Geometric Correction			
Vertical / Horizontal Keystone		±30° / ±30°	
Auto Keystone		Yes	
Quick Corner		Yes	
Arc Correction		Yes	
Connectivity			
Analog Input	D-Sub 15Pin	2	
	HDMI	2	
	HDbaseT	RJ45 x 1	
Output Terminal	D-Sub 15Pin	1 Shared with Computer 2	
Audio Input	Stereo Mini Jack	2	
Audio Output	Stereo Mini Jack	1	
Others	USB Type A	1 (for USB Memory, USB Document Camera, Firmware Update, Contents Playback, Copy OSD Settings)	1 (for USB Memory, USB Document Camera, Wireless LAN, Firmware Update, Contents Playback, Copy OSD Settings)
	USB Type B	1 (for Mouse, K/B, Control, Firmware Update)	
Control I/O	RS-232C	D-Sub 9pin x 1	
Network	Wired Lan	RJ45 x 1	
	Wireless	Built In	ELPAP10 Optional
Wireless Specification (Screen Mirroring)			
Supported Speed		IEEE 802.11g (2.4GHz): 54Mbps*² IEEE 802.11n (2.4GHz): 130 Mbps*² IEEE 802.11a (5GHz): 54 Mbps*² IEEE 802.11n (5GHz): 270 Mbps*² IEEE 802.11ac (5GHz): 780 Mbps*²	N/A
Supported Security Type		WPA2-PSK (AES)	N/A
Supported Connection Mode		Wi-Fi Direct	N/A
Wireless Specification (Wireless LAN)			
Supported Speed		IEEE 802.11b (2.4GHz): 11 Mbps IEEE 802.11g (2.4GHz): 54 Mbps IEEE 802.11n (2.4GHz): 65 Mbps IEEE 802.11a (5GHz): 54 Mbps IEEE 802.11n (5GHz): 65 Mbps	IEEE 802.11b (2.4GHz): 11 Mbps*³ IEEE 802.11g (2.4GHz): 54 Mbps*³ IEEE 802.11n (2.4GHz): 130 Mbps*³
Supported Security Type		Quick Mode: Open, WPA2-PSK Advanced Mode: Open, WPA/WPA2-PSK, WPA/WPA2-EAP Supported EAP Type: PEAP, PEAP-TLS, EAP-TLS, EAP-Fast, LEAP	
Supported Connection Mode		Infrastructure, Access Point	
Operating Temperature		0 - 45 °C <32 - 113 °F> (Below 1,500m / 4,921ft) 0 - 40 °C <32 - 104 °F> [Above 1,500m / 4,921ft - 3,048m / 10,000ft (with high altitude mode)] (20% - 80% humidity, no condensation)	
Operating Altitude		0 - 3,048 m <0 - 10,000 ft> (over 1,500m / 4,921ft : with high altitude mode)	
Direct Power On / Off		Yes	
Start-Up Period		Less than 7 seconds, Warm-up Period: 30 seconds Quick Start: Less than 5 seconds (display)	
Cool Down Period		Instant Off	
Air Filter			
Type		High Efficiency Filter	
Maintenance Cycle (Normal / Quiet / Extended)		20,000 / 20,000 / 30,000 hours*⁴	
Power Supply Voltage		100 - 240 V AC ±10%, 50/60 Hz	
Power Consumption (220 - 240V)			
Laser Diode (Normal / Quiet / Extended)		353W / 265W / 265W	322W / 244W / 244W
Standby (Network / Energy Saving)		2.0W / 0.3W	
Dimension Excluding Feet (D X W X H)		304 x 440 x 120 mm	
Weight		Approx. 8.5kg	
Fan Noise (Normal / Eco)		38dB / 27dB	37dB / 25dB

*¹ Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

*² These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

*³ Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

*⁴ When used in the general office environment (the amount of floating dust: 0.04 - 0.2 mg/m³). Based on the Epson's in-house test results.

Supplied Accessories
Power Cable: 3m only
Remote Control with 2 x AA Battery
Quick Start Guide Printed
Cable Cover
CD (PDF)
VGA Cable: 1.8m
Wireless LAN Unit Cover (Except EB-L610U)

Optional Accessories
Air Filter: ELPAF56
Wireless LAN: ELPAP10 (L510U only)
For EB-610U, it is built-in
Ceiling Mount: ELPMB22

EB-L610U / EB-L510U

Information correct at time of printing
Printed August 2018

Dealer's Stamp

f EpsonSingapore ⊙ @epsonsingapore ▶ YouTube EpsonSoutheastAsia in Epson Singapore

To find out more, visit **www.epson.com.sg/projectors** or call **+65 800-120-5564**

BUSINESS LASER PROJECTORS
EB-L610U/L510U

EPSON
EXCEED YOUR VISION

THE COMPACT SOLUTION FOR BRILLIANT PROJECTIONS.

Explore a myriad of possibilities with Epson's business laser projectors. These projectors are light, compact and project vibrant images of up to 6000 lumens powered by the newly developed optical laser diode package. With features including center-lens placement, flexible 360° installation and wider lens shift, installation has never been easier. Enjoy a wide range of connectivity options such as HDBaseT, and experience seamless usability with screen mirroring function* that allows you to project from smart devices. Designed with details, these projectors help you deliver great presentations with maximum convenience.

IT'S IN THE DETAILS.
3LCD technology that delivers quality projected images and reliable performance.

* Applicable for EB-L610U only.

Incredible Laser Projection

Just Married!

Revolutionary Light Source

The newly designed laser light source and advanced electrostatic filter deliver up to 20,000 hours of maintenance-free use. Inorganic LCD panels and an inorganic phosphor wheel, coupled with a dustproof design, offer up to 20,000 hours of maintenance free usage, even with 24/7 usage. What's more, the laser light source is highly reliable, eliminating the worry of the light burning out during important presentations.

LASER LIGHT SOURCE

LD (laser diode) package
Inorganic LCD panels
Inorganic phosphor wheel
Electrostatic filter

LD Package
Inorganic phosphor wheel
Inorganic LCD panels (Red/Green/Blue)
Electrostatic filter

Maintenance period of laser and lamp*

Laser
Lamp

0 hours (new)
20,000 hours
Maintenance period

* Approximate time until brightness decreases 50% from first usage. Time varies depending on usage conditions and environments.

Inorganic LCD Panels and Phosphor Wheel for Outstanding Reliability

Made of inorganic material, Epson's newly developed phosphor wheel offers superior light and heat resistance to deliver excellent reliability. By combining this with our inorganic LCD panels, we create laser projectors that project bright, vibrant images for extremely long periods.
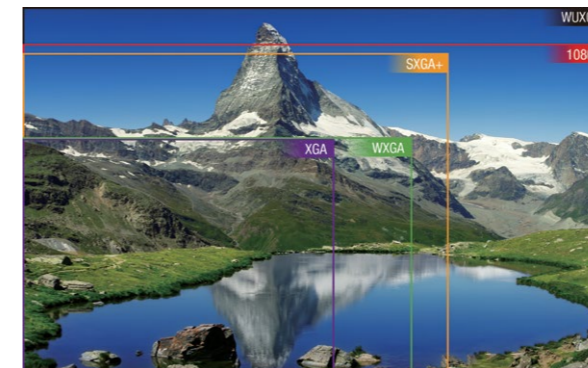
Organic vs. Inorganic

	Inorganic (Glass, iron, aluminum, etc.)	Organic (Paper, wood, plastic, etc.)
Light-resistance	YES	NO
Heat-resistance	YES	NO

Unlike organic substances, inorganic substances do not contain carbon.

Incredible Beyond Full HD Resolution

Enjoy dynamic viewing experience on larger screen with the incredible WUXGA resolution. Deliver superb high-resolution image displays from PCs, Blu-ray and other graphic intensive media. Immerse your audience in vivid razor sharp images, even on larger screens.

WUXGA
SXGA+
1080P
XGA
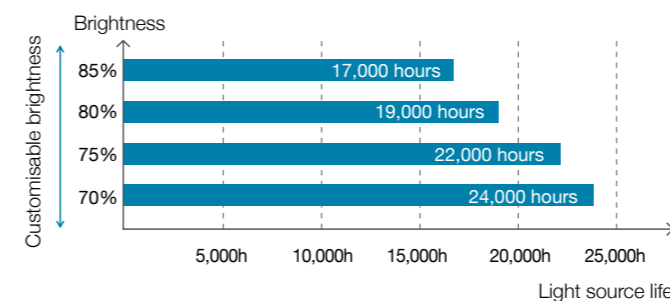WXGA

High Contrast Ratio

Add brilliance to your presentations. Boasting stunning brightness of up to 6,000 lumens and a high contrast ratio of 2,500,000:1, these projectors enable you to project beautiful, well-defined images wherever you are, regardless of ambient light.

Up to
6,000 lm
2,500,000:1
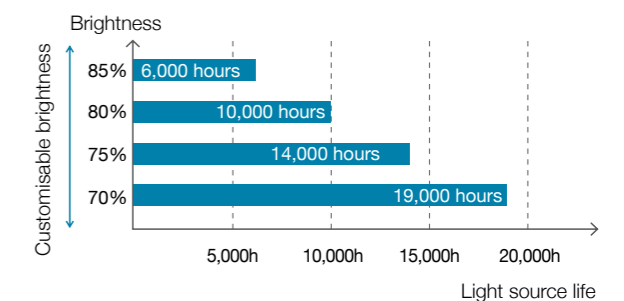
EPSON

Fine-tuning Brightness

This series provides precise brightness adjustment in increments of 1%. This combined with the Constant Brightness mode maintains brightness at a given value to match the venue or subject to deliver astonishing picture quality.

Custom brightness

Brightness
Customisable brightness

85%	17,000 hours
80%	19,000 hours
75%	22,000 hours
70%	24,000 hours

5,000h 10,000h 15,000h 20,000h 25,000h
Light source life

EB-L510U

Custom brightness

Brightness
Customisable brightness

85%	6,000 hours
80%	10,000 hours
75%	14,000 hours
70%	19,000 hours

5,000h 10,000h 15,000h 20,000h
Light source life

EB-L610U
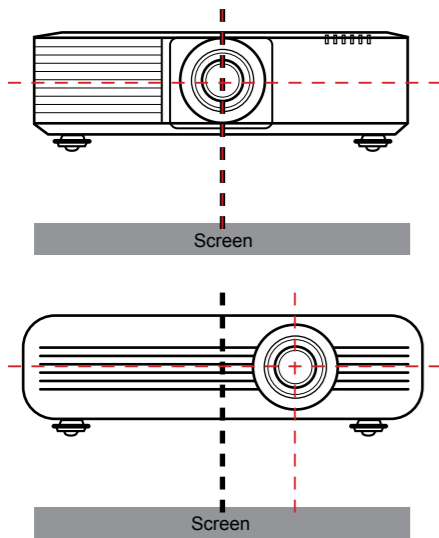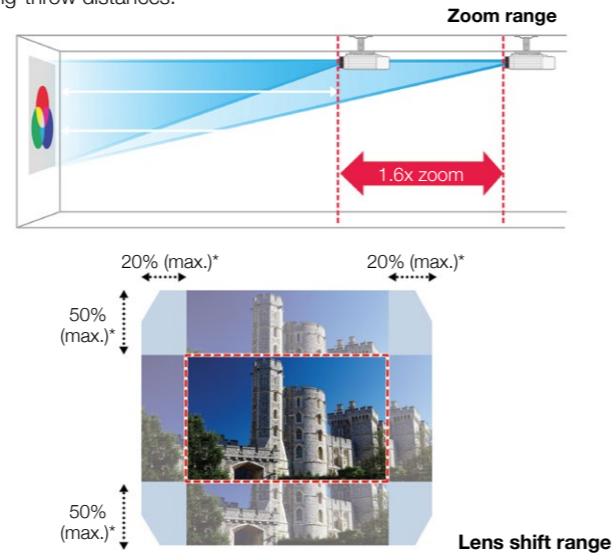
Ease-of-Projection

Centre-lens Placement

With the projector lens placed centrally in the unit, installation is a breeze as there is no need to calculate the distance between the lens and screen centre. The centre-lens placement also offers longer throw ratio and wider lens shift for greater projection flexibility.
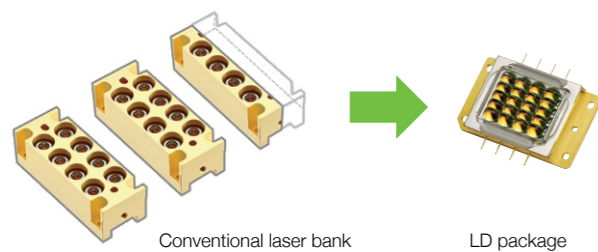
Screen

Screen

Bright and Compact

The newly developed optical LD (laser diode) package is approximately 2.5x brighter than conventional laser banks. Small and compact, this new optical engine also helps reduce the projector's size, making this series an ideal fit for a wide range of environments, including modern offices and luxury interiors.
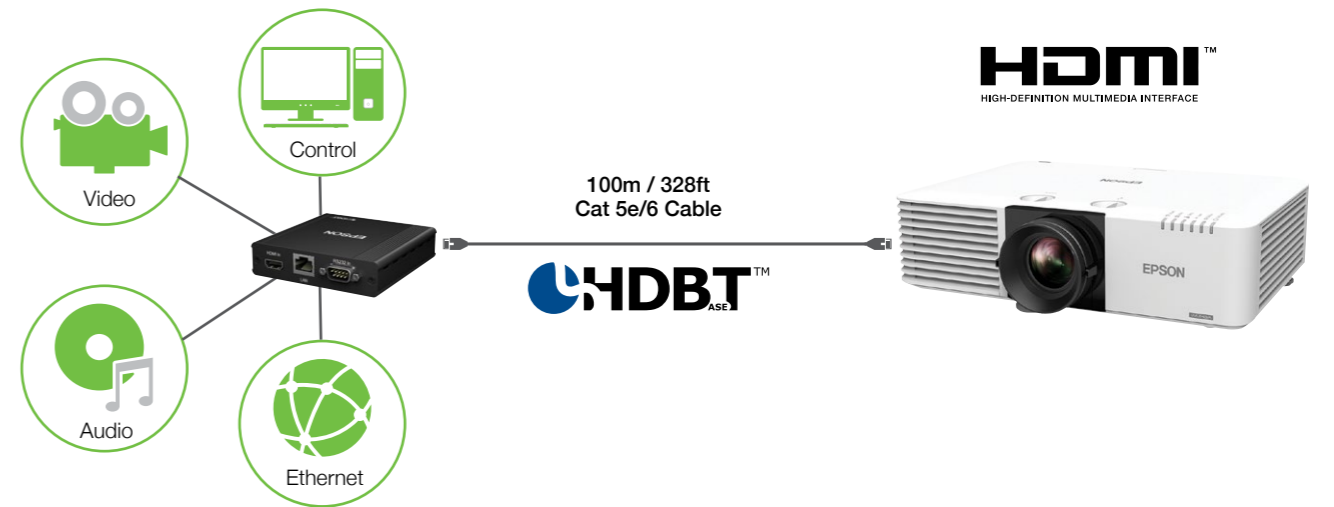
Conventional laser bank   LD package

Wide-range Zoom and Lens Shift

With manual zoom and lens shift covering a wide range of angles, you enjoy a greater deal of flexibility when installing the projector. What's more, wider lens shift and throw ratio mean sharp, vibrant presentations from both short- and long-throw distances.

Zoom range

1.6x zoom

20% (max.)*   20% (max.)*

50% (max.)*

50% (max.)*

Lens shift range

* ±50% vertically, ±20% horizontally for EB-L610U/L510U

Flexible 360° Installation

These business laser projectos can be rotated 360° in any direction – horizontally, vertically and rotationally – without any loss in image brightness. This makes it ideal for a wide range of applications, such as projecting onto ceilings and floors.
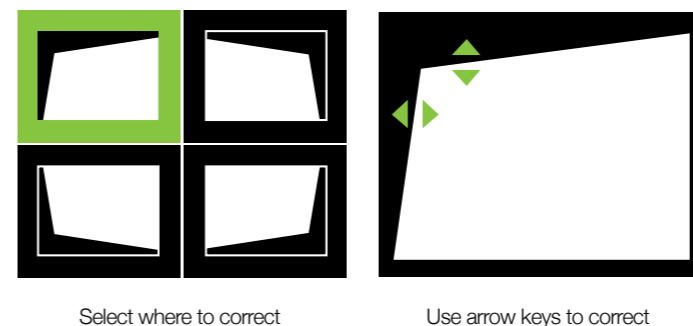
Wide Range of Connectivity

This series is compatible with a wide range of external devices, and additional ports now include HDMI and HDBaseT. Ideal for large venues, HDBaseT can transmit Full HD video, audio and control at low cost through cat 5e/6 cables or higher, up to 100 metres.

Video

Control

Audio

Ethernet

100m / 328ft
Cat 5e/6 Cable

HDBT™

HDMI™
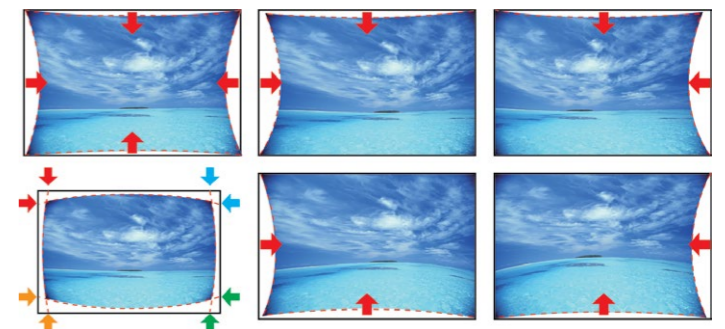HIGH-DEFINITION MULTIMEDIA INTERFACE

EPSON

Quick Corner

With the quick corner feature, you can use the keystone correction and lens shift function simultaneously for maximum projection without having to worry about unintentionally changing the aspect ratio.

Select where to correct   Use arrow keys to correct

Arc Correction

Quickly and easily correct any vertical or horizontal distortion of the projected image on large screens.
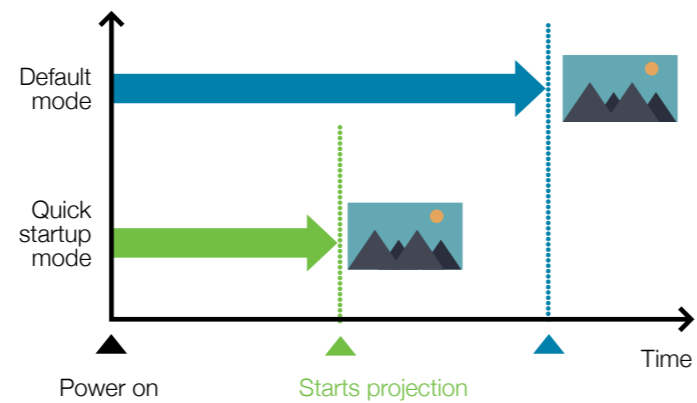
Seamless Connectivity and Usability

Split Screen

Display images from two different sources side by side on the same screen for a more effective presentation. In video conferences, for example, images of presentation materials and remote participants can be shown simultaneously.
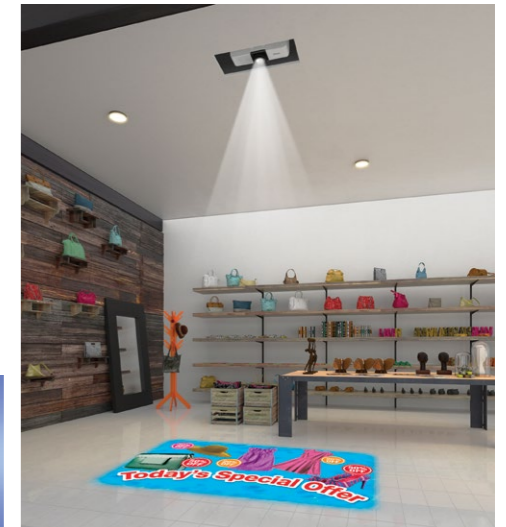
Quick Start

Use the Quick Startup mode to start projecting in approximately half the time it takes in default mode.

Default mode

Quick startup mode

Power on   Starts projection   Time

Epson Projector Content Manager

The Epson Content Manager gives you a whole range of control, including scheduling and editing playlists, converting movie formats, managing USB data – all without the need for external 3rd party software. What's more, you can even create content, save your work on a USB and project it wherever and whenever you need. Perfect for the digital signage market!

1. Creating contents with Epson Projector Content Manager
2. Connecting created contents to USB
3. Setting "contents play on" on OSD menu

USB-A

Convenient Wireless Mirroring Projection**

Project contents wirelessly from compatible smart devices and laptops without any software installation with the Miracast function. The technology enables easy wireless transmission of Full HD video and sound from PCs and smart devices, eliminating the hassle of a physical connection and eradicating issues with setting up. With support for screen mirroring*, projecting your tablet and laptop screens has never been easier.

28th January

Wireless Transmission

Enjoy enhanced connectivity and flexibility with in-built Wi-Fi* connectivity. Easily share and transmit images and files from your PC / smart devices using the "Epson iProjection" application for smooth and smart projections.
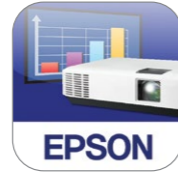
* Applicable for EB-L610U only. For EB-L510U, wireless LAN adaptor ELPAP10 is required.

* If the Miracast function is activated, other network features will be disabled.
** Applicable for EB-L610U only.

Epson iProjection

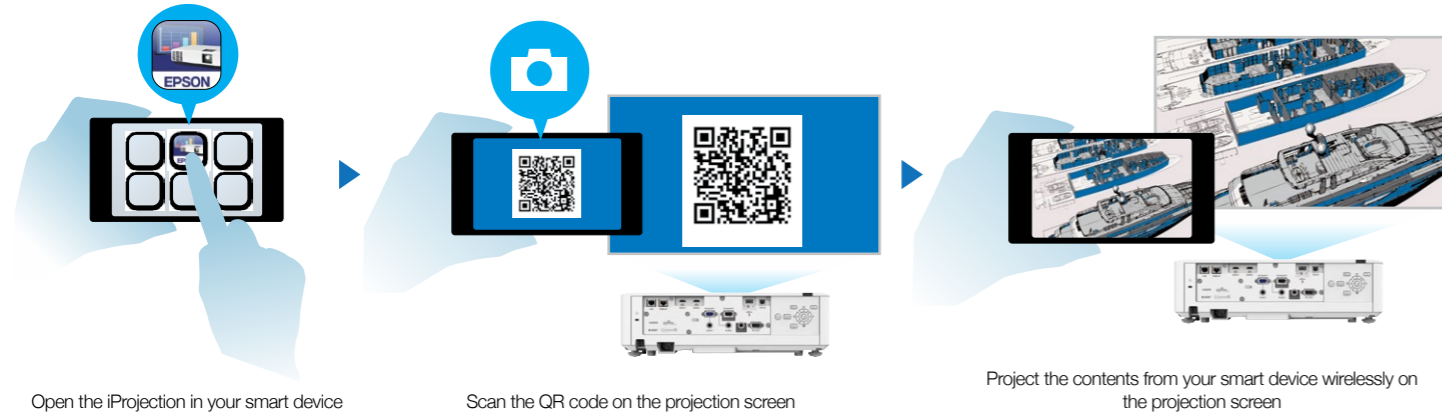The iProjection application enables a wireless connection for projecting images and files from your smart devices. The "QR Code Reader" function makes this wireless connection even easier by simply reading the QR code that is projected on the screen from your smart devices.

EPSON

* In iProjection, projector profile search, multi-screen display, distribution function, audio transfer, movie file transfer, interrupt connection disabling and encryption data transfer capabilities are not supported.

Open the iProjection in your smart device

Scan the QR code on the projection screen

Project the contents from your smart device wirelessly on the projection screen

Epson Projector Management

With Epson's network monitoring and control software, you can see from a single PC which projectors are available and whether they are running efficiently – even across the biggest network. You can configure your projectors and access their serial numbers remotely, as well as receive instant email alerts for pre-defined critical indicators such as non-functioning devices or overheating laser diode.

Now you can send messages or announcements simultaneously to any number of projectors on a network. This makes these projectors very useful for immediate communication needs or even emergencies.

Web Control

By connecting your projector to a network, you can adjust your projector installation entries from a PC or smart device.

Transfer OSD Information

Reduce installation and setup time when using multiple projectors by transferring OSD settings — such as brightness and colour settings as well as user logos — to multiple machines via USB or over a network.

COLOUR BRIGHTNESS
Know your projector lumens

SEE VIBRANT, REALISTIC COLOURS WITH HIGH COLOUR BRIGHTNESS.

9 out of 10 PEOPLE PREFER IMAGES FROM EPSON PROJECTORS*

*Leading Epson business and education projectors vs. leading 1-chip DLP projectors, selected according to NPD data as of July 2015. Based on U.S. research conducted by Radius Research.

See colours like never before. Epson 3LCD projectors deliver brilliant colours that match its white brightness to give you balanced, realistic, and vibrant images. It's no wonder Epson projectors are the people's preferred choice.

UP TO 3X WIDER COLOUR GAMUT. Epson Projectors

Up to 3x Brighter Colours with Epson Projectors*

NO RAINBOW EFFECT

Up to 3X Wider Colour Gamut

Colour gamut refers to the range of colours that can be reproduced by a display device – the wider the gamut, the more realistic it is. Epson 3LCD projectors project three times wider gamut that matches closely to the original standard of a display device (sRGB), as compared to 1-chip projectors.
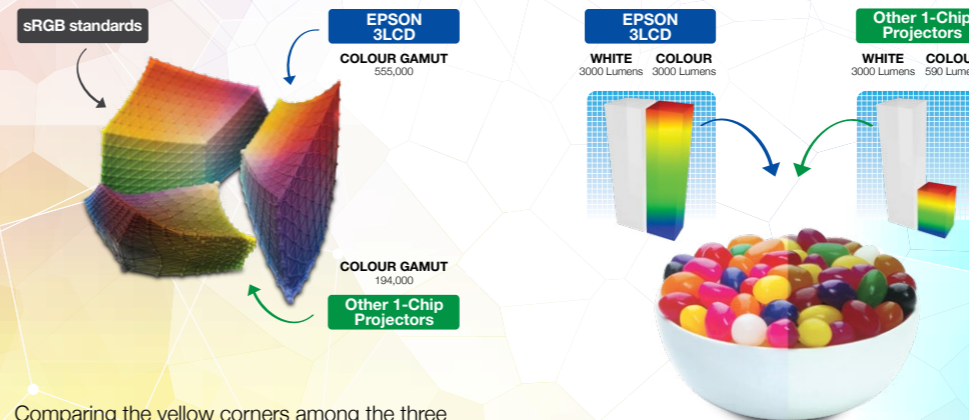
Up to 3X Brighter Colours

Epson 3LCD projectors deliver up to three times the colour brightness, effortlessly creating the same colour and white brightness, resulting in faithful images with superior colour balance.
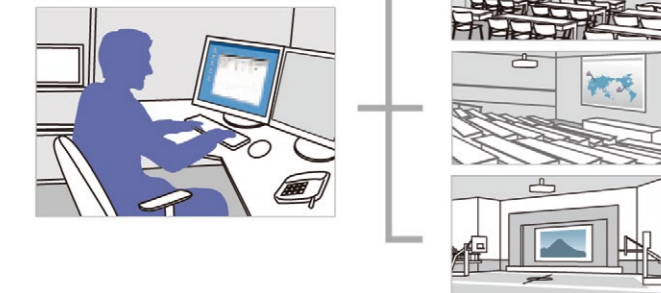
No Rainbow Effect

With 1-chip projectors, the spinning motion of the sequential colour wheels tend to cause colours to break out into distinct red, green and blue. Called the rainbow effect, this may cause users to suffer headaches with prolonged viewing. Epson projectors do not give out this effect, giving users a comfortable experience.

sRGB standards

EPSON 3LCD COLOUR GAMUT 555,000

COLOUR GAMUT 194,000 Other 1-Chip Projectors

EPSON 3LCD		Other 1-Chip Projectors	
WHITE 3000 Lumens	COLOUR 3000 Lumens	WHITE 3000 Lumens	COLOUR 590 Lumens

Comparing the yellow corners among the three gamuts, 1-chip projectors have a distinctly darker and smaller set of colours which are not as vibrant as Epson 3LCD projectors.

3LCD

*Compared against similarly-priced leading 1-chip DLP® business and education projectors based on NPD data from July 2011 through June 2012 (available from www.npd.com). Colour brightness (colour light output) measured in accordance with IDMS 15.4. Actual colour brightness will vary depending on actual usage conditions. 3LCD® is a registered trademark of Seiko Epson Corporation. DLP® is a registered trademark of Texas Instruments, Inc. and its use here does not imply any affiliation with or endorsement by them.

www.epson.com.sg/colourbrightness

To learn more about 3LCD engines, visit **www.3lcd.com**

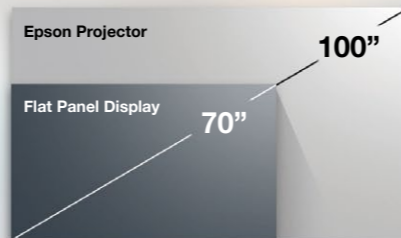# BIGGER PROJECTION. BRIGHTER FUTURE.

EPSON
EXCEED YOUR VISION

"More than half of the students are unable to read certain contents displayed on a 70" flat panel display."

- Radius Research.

Epson Projector

Flat Panel Display

Uranus

Mercury

Earth

Jupiter

Sun

Mercury

58% of students from US, 61% from UK, and 57% from Singapore are unable to read contents on a 70-inch flat panel display*. This is why we've built projectors that depict larger and more immersive pictures, so that you can fully engage your audience and maximise every learning experience with exquisite detail and vibrancy. By not downsizing classroom displays to flat panels—you ensure the brightest minds of our future are not hindered by contents displayed too small and unreadable. Experience the real practical difference today.

Epson Projector   100"

Flat Panel Display   70"

f EpsonSingapore   @epsonsingapore   YouTube EpsonSoutheastAsia   in Epson Singapore
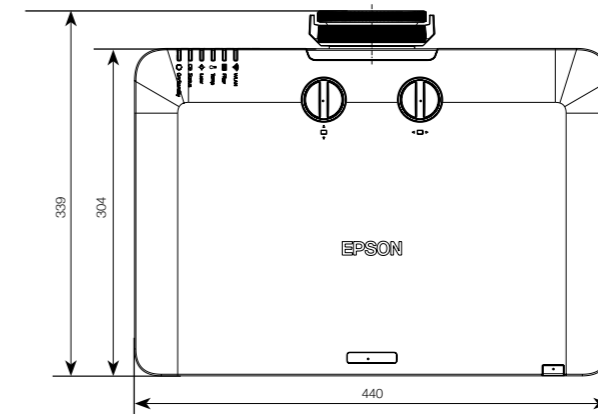
To find out more, visit **www.epson.com.sg/displaysizematters**

*Based on research conducted by Radius Research in US, UK and Singapore. The research was done using a 70-inch class 4k resolution flat panel in a 22' x 27' / 22' x 26' / 22' x 30' classroom-style arrangement respectively. When asked to copy down six short items of information from slides displayed, 58% of students from US, 61% from UK, and 57% from Singapore, aged 12-22, copied at least one item incorrectly.
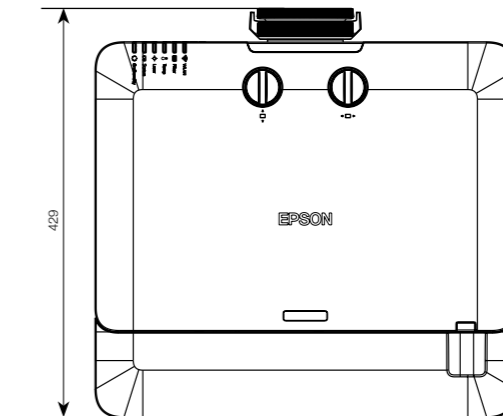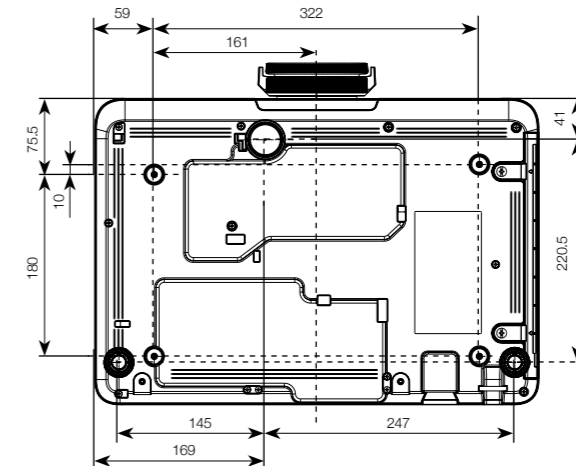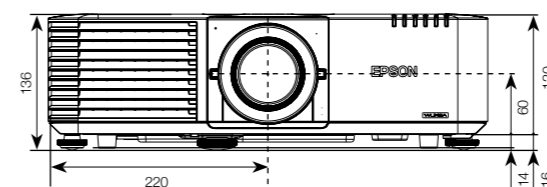
3LCD   WORLD'S NO.1 PROJECTORS   9=10 PEOPLE PREFER EPSON PROJECTORS

CAD DRAWING
EB-L610U/L510U

Top View

Top View with Cable Cover

Bottom View

Front View

Side View