Epson G Series

EPSON®
EXCEED YOUR VISION

EB-G5600NL | EB-G5650WNL | EB-G5950NL | EB-G5450WU | EB-G5750WUNL | EB-G5800

Quality and Reliability | Precision Control | Low Cost of Ownership

3LCD

Epson G series projectors

Engineered for easy installation and added flexibility.

Developed with quality, reliability and precision control in mind, Epson G series projectors are the perfect choice for installation applications, with high brightness and resolution that goes beyond Full HD. They offer convenient installation tools, cutting-edge features including split screen and collaboration solutions, and advanced networking and control solutions.
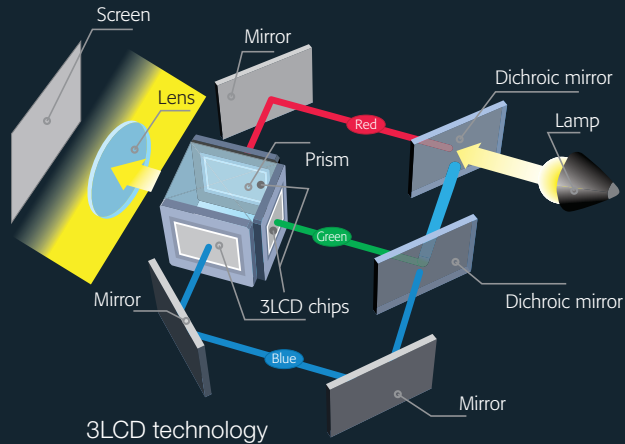
The best-selling projectors in the world.

Epson understands business and education and has a solution no matter what your situation. Built with image quality and reliability in mind, Epson projectors enhance communication and inspire collaboration, while offering a low total cost of ownership. From long-throw projectors to ultra-short-throw and all-in-one solutions, Epson has the model made for you.

Brilliant image quality

3LCD technology — for quality and colour that's beyond amazing

- 3 chips for full-time, vibrant colour
- 25% less electricity required per lumen of brightness when compared to 1-chip DLP projectors[1]
- Over 20 years of road-tested reliability built into every projector

Screen

Mirror

Lens

Dichroic mirror

Red

Lamp

Prism

Green

Mirror

3LCD chips

Dichroic mirror

Blue

Mirror

3LCD technology

Advanced sharpness

Another feature Epson has transferred over from its industry-leading home cinema projectors — advanced sharpness for video. Depending on the content, users can adjust any of the following attributes of the image depending on the content: thin line enhancement, thick line enhancement, vertical line enhancement or horizontal line enhancement.

Amazing colour light output

Rich colour and detail are critical for presentations — that's why it's important to understand that colour light output is an essential ingredient in achieving optimum performance.

C²Fine™ technology delivers a higher contrast ratio

C²Fine offers smooth, uniform images with exceptional contrast for better image quality. Based on this new phase-compensation technology, light leakage is eliminated, and, when combined with auto iris, it allows for contrast ratios of up to 2000:1.

With C²Fine

Without C²Fine

Enhanced connectivity

The G series projectors offer diverse connectivity:

G5600NL/G5650WNL/G5950NL

- Full digital connectivity with HDMI port
- 5 BNC, 2 video/audio, 2x VGA and RS-232 for additional flexibility

G5450WU/G5750WUNL

- Full digital connectivity with HDMI and DVI-D ports
- 5 BNC, 2 video/audio, 1x VGA and RS-232 for additional flexibility

Beyond Hi-Def

Deliver high quality images and crisp, sharp text without any distortion or scaling — up to Full HD content at its native resolution with quality that surpasses even that of 1080p devices. WUXGA resolution is ideal for applications requiring Full Hi-Def, including Blu-Ray® content, graphic intensive programs and any application requiring exceptional detail.
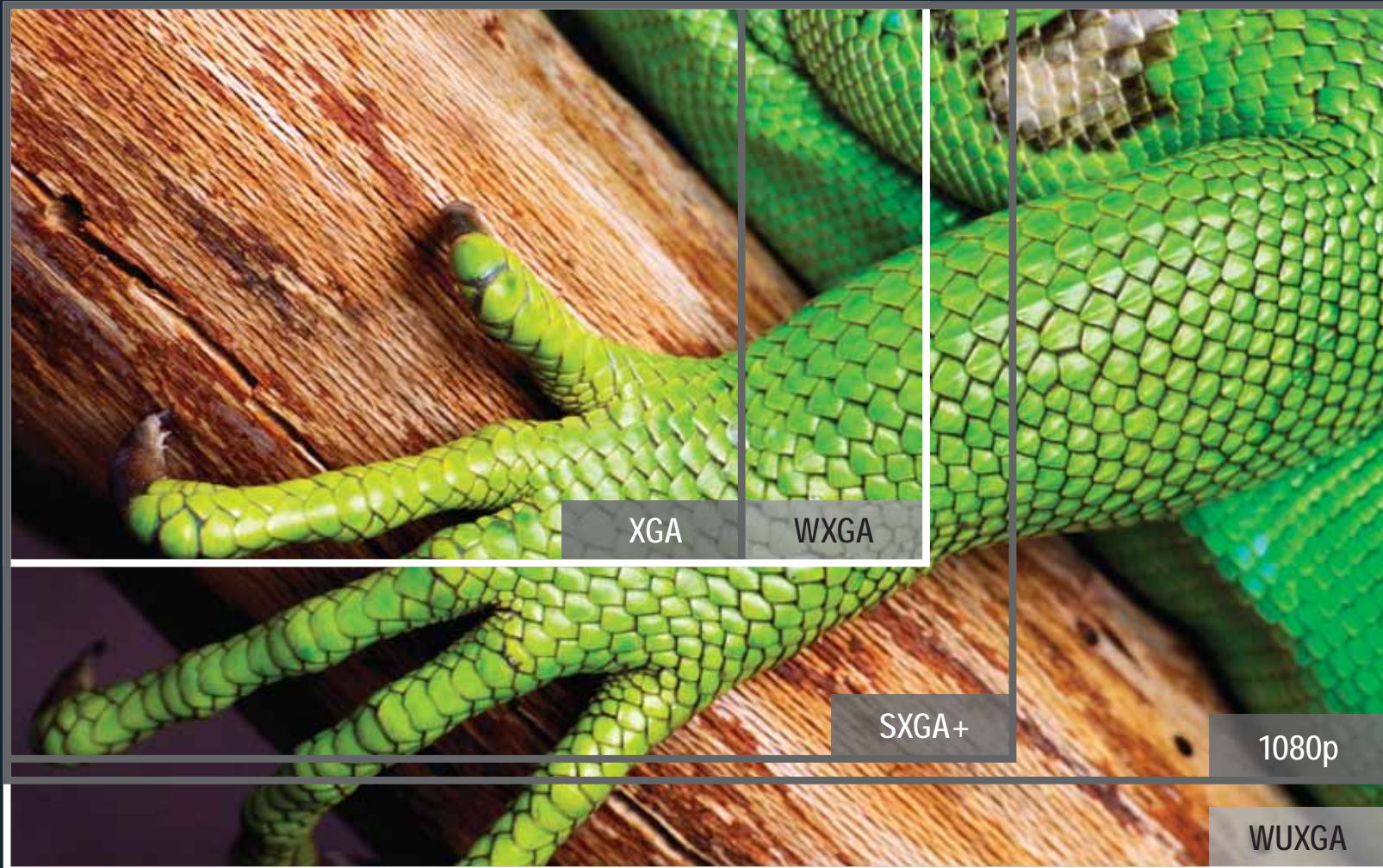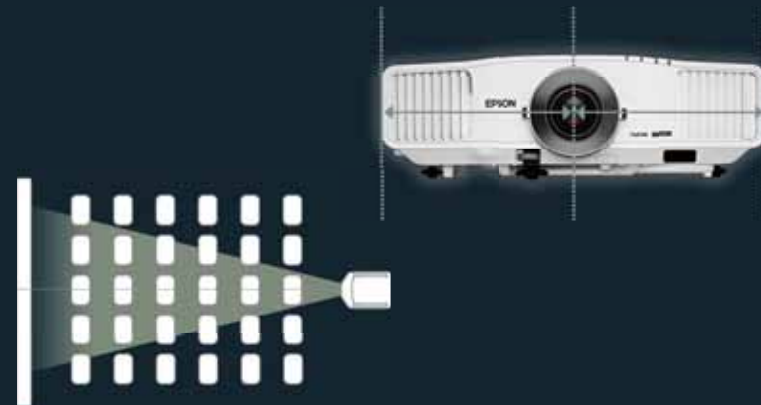
Easy and flexible installations

Centered lens design

With lens-to-screen alignment, the G series makes installation easy to plan. Installers can position the ceiling mount, screen and projector independently of one another, knowing that the center of the screen will align with the lens at the center of the projector.

Five lens options

With a 1.8x standard lens (not included*), the G series projectors offer remarkable placement flexibility. For even greater flexibility, Epson offers a total of five lenses with varying ranges including a rear-throw lens. This allows users to choose the lens most suited for their environment. A quick release lever allows for a quick, easy lens exchange.

*Included on G5450WU and G5800

Off-axis, flexible installation

The Epson G series projectors also feature a ±30-degree tilt operation for off-axis positioning flexibility. As a result, the projectors can be used for a wide range of applications, such as projecting on angled surfaces. Epson technology keeps the projector running without compromising performance or causing overheating.

±30°
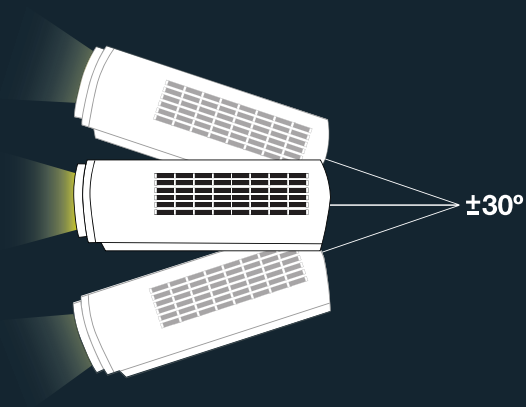
Keystone correction

Adjusts up to ±40 degrees vertically and up to ±20 degrees horizontally to easily achieve a perfect rectangular image.

Epson's lens shift technology

In addition to added reliability and amazing colour performance, Epson's industry-leading 3LCD technology enables these projectors to achieve a wide range of lens shift capabilities, allowing you to install around obstacles. This lens shift technology enables an incredible range of up to ±60 percent on the vertical axis and ±10 percent on the horizontal axis.

Quick Corner®

This innovative feature allows you to move any of the four corners of an image independently at setup, using the remote control to adjust each corner for a perfectly rectangular picture.

Before   After
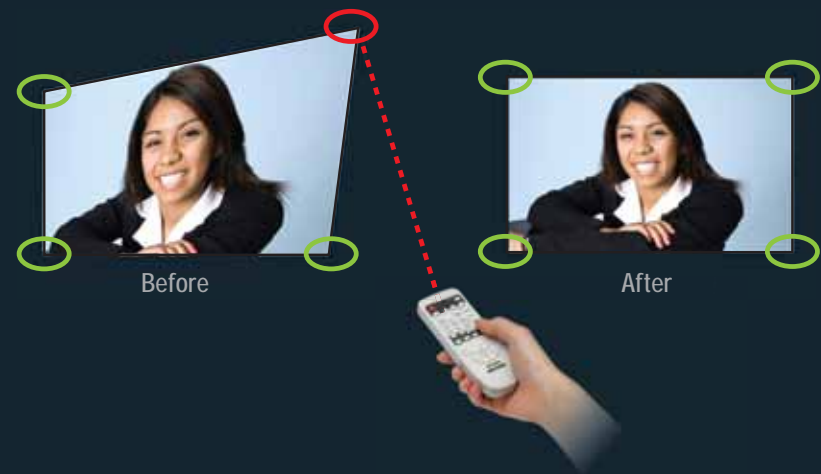
Advanced control, monitoring and communication

Epson's EasyMP® Monitor tool

If you are searching for a solution that gives you control over your time, Epson network projectors with EasyMP Monitor capabilities can help. Epson network projectors contain built-in remote access, with no licensing fees added, to Epson monitor software. These features also give you added control, and the ability to troubleshoot and monitor all Epson network projectors from any computer over a wired or wireless Ethernet network.

Additional features to assist administrators/help desk

• Remote access and control through the network

• Remote monitoring of up to 1024 Epson networked projectors

• View status, including input sources, power on/off, lamp life hours and more

• Preventative maintenance features including temperature levels and error alerts

• Schedule filter and lamp timer settings

• E-mail notification (SMTP) to send alerts to your handheld device

• Enterprise SNMP plug-in available

Network projection* — content over IP

You can use EasyMP Network Projection to display your computer screen through the projector, via a network, for effective meetings, presentations and digital signage applications. You can use either wired or high-security wireless LAN connections and display the same or up to four different images on up to four projectors, or display a panoramic image.

*Excluding G5600NL and G5800

Full networkability

Epson network projectors can also be accessed from your browser via an internal web page. Whether you assign a static IP address or enable DHCP, the projector becomes accessible once it's integrated in your network. The internal web page lets you control items such as network configuration, projector settings and e-mail alerts.
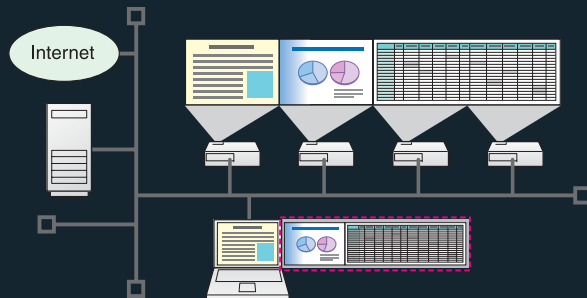
Message broadcasting

This innovative feature enables you to broadcast customised images/ alerts over the network for announcements or instructions. Messages can be sent to up to 1024 projectors simultaneously and will overwrite the current screen content if the projector is being used, unless this function is disabled by the presenter. If the projector is off, message broadcasting will turn the projector on and then display the message.**

Attention!
All-employee meeting today at noon.

Attention!
All-employee meeting today at noon.

**Excluding G5600NL and G5800

Other connectivity options

PC-free presentations*

Who says you need a computer to make a presentation?

• Just plug your USB device into the USB port, and you are ready to display whichever slide you choose from the drive

• Compatible with the following file formats: JPG/BMP/GIF/PNG/FSE/SIT

• Create a slideshow using files on the USB drive

*Excluding G5600NL and G5800

Wireless connectivity

Wirelessly connect* — you can either connect to a wireless network (infrastructure) or to an ad hoc (peer-to-peer) wireless computer.
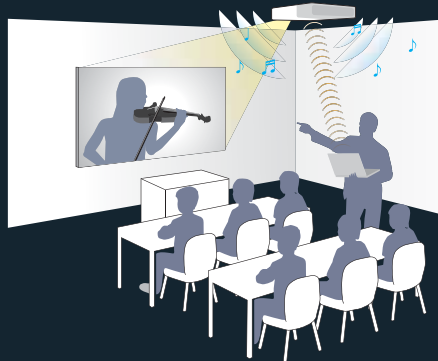
*Optional LAN module required

• Wireless LAN module

This module adds wireless functionality to your projector. You can use this module to connect to a wireless infrastructure, and make a presentation or monitor/control your projector over the wireless network.

• Quick Connect Wireless USB** key

If you want to set up an ad hoc (peer-to-peer) wireless connection with a PC, you will need this key in addition to the wireless LAN module. Insert the key into your projector and allow it to read the information. Then, insert the key into your laptop. The key will automatically transfer the information. You can then start making presentations from your computer, wirelessly.

**G5600NL and G5800 do not support wireless functionality

Full-featured performance

DICOM Simulation Mode

DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The projector's DICOM Simulation Mode[2] enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.
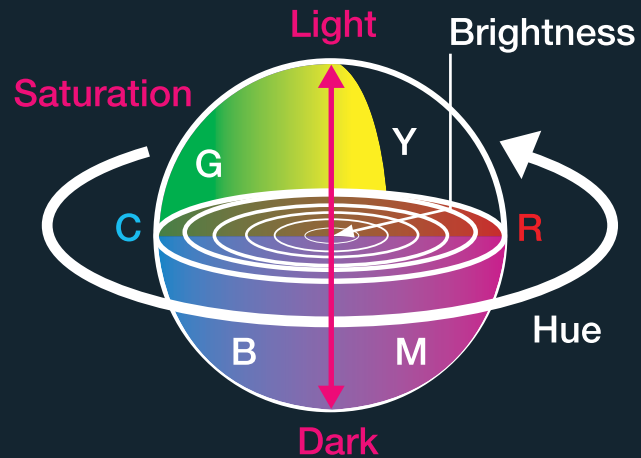

Normal Mode   DICOM Simulation Mode

6-axis colour adjustment

For special projection material such as high-quality photographs or artwork, users can adjust the hue, saturation and brightness for six colours, RGBCMY (Red, Green, Blue, Cyan, Magenta, Yellow).

Test patterns

The Epson G series also features four test patterns for precise setup, including detecting distortion, checking linearity, colour reproduction and bleeding, and DICOM Simulation Mode.[2]

| Standard | Cross-Hatch | Colour Bars | Grayscale |
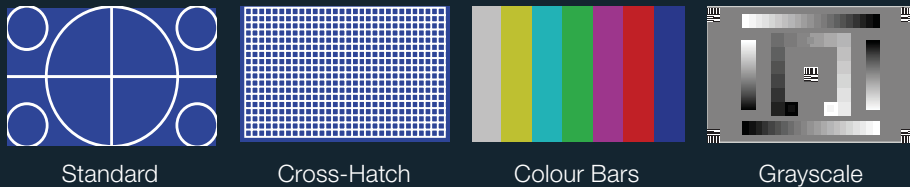
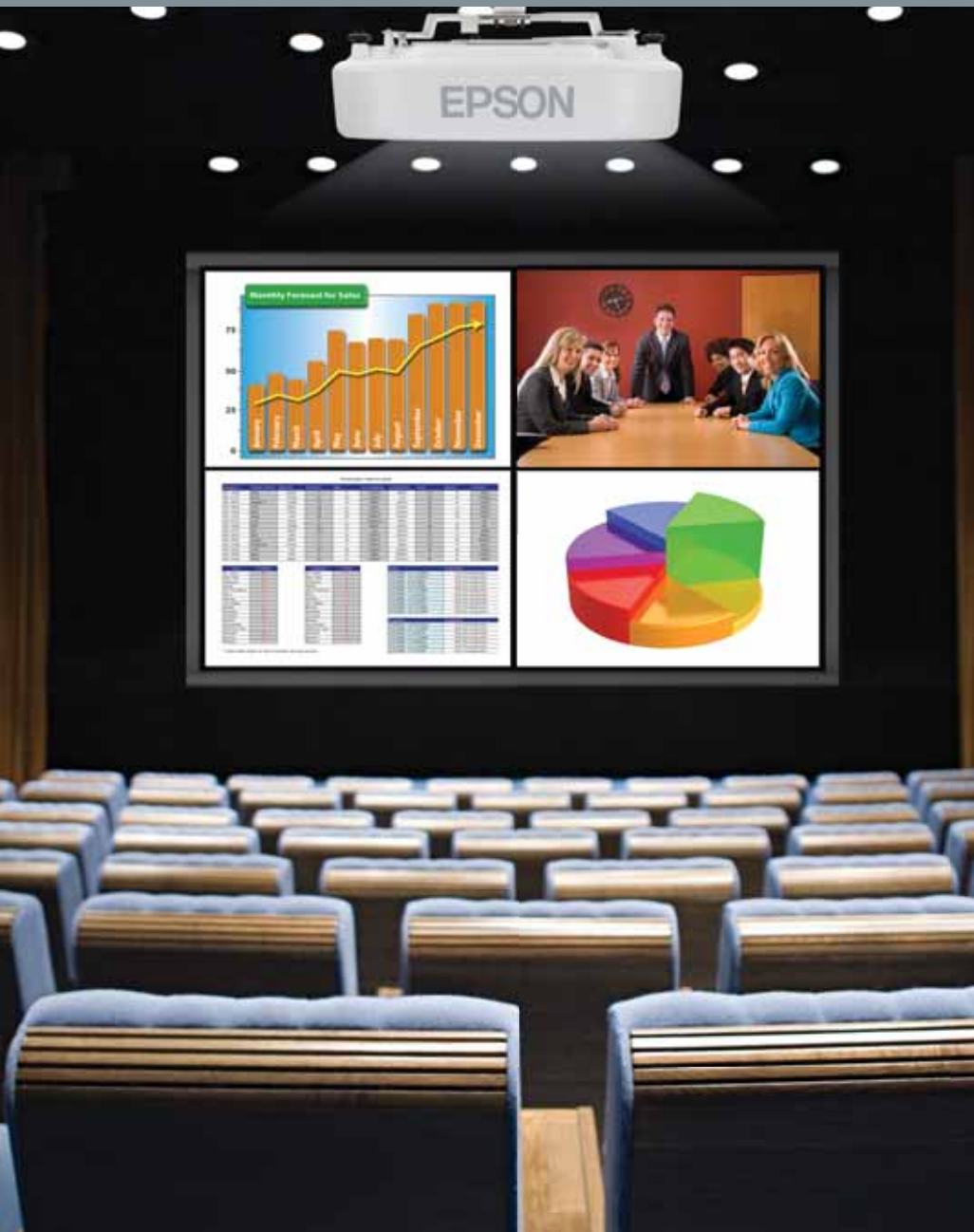## Improved video with 3:2 and 2:2 pull-down options*

3:2 pull-down creates 60 frames per second and 2:2 pull-down creates 48 frames per second from 24 frames.

• 3:2 pull-down: The image is smoother.
• 2:2 pull-down: The one frame length is the same as film. It is ideal for movies.
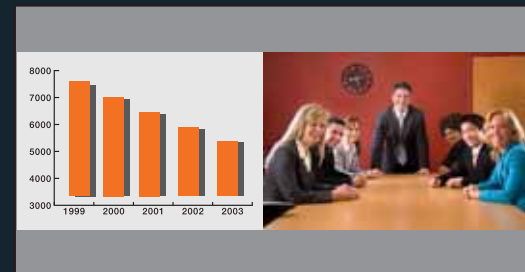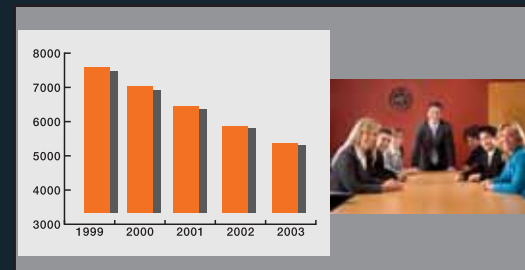
Powerful content management

Split Screen*

Split Screen allows you to display content from two inputs** simultaneously, side by side, on a single screen with the following features:

- Three layout options, as shown below
- Video and presentation materials displayed simultaneously
- The ability to run video on both screens

Layout Option 1:
50-50% split screen


Layout Option 2:
Main image on the left

Layout Option 3:
Main image on the right

*G5800 does not support split screen functionality

**One of the inputs needs to be either HDMI or DVI-D.

Multi-PC projection*

Epson Multi-PC Collaboration utility allows you to display four individual PC screens simultaneously over the network with another 12 users connected to the same projector on Standby mode. You can drag and drop participants into or out of one of the four quadrants. This feature is a great tool for meetings or classroom projects where multiple users want to present and compare their screens. You can also connect up to four remote projectors at the same time and show the same multi-screen image — another great tool for remote meeting setups.
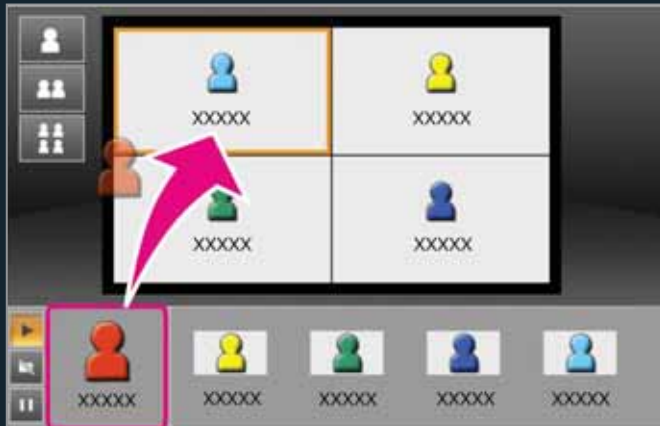
*G5600NL and G5800 do not support Multi-PC projection

Low cost of ownership

Long-life lamp that's easy to replace

This high-efficiency lamp lasts up to 2000 hours in Normal Mode and up to 3000 hours in ECO Mode.[3] It can be replaced quickly and easily, without having to uninstall the projector from the ceiling.

Long-life electrostatic air filter

This innovative filter was designed to protect the optical engine, lamp and electronics from small dust particles that can enter any projector. It has a recommended 3000-hour filter cleaning schedule[4] and can capture particles as small as three microns, due in part to its pleated, expanded design.
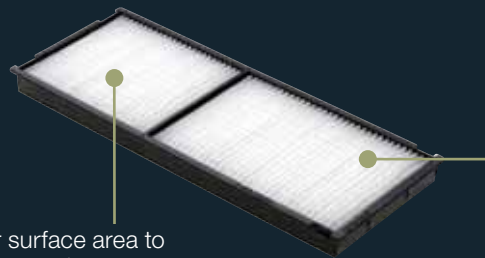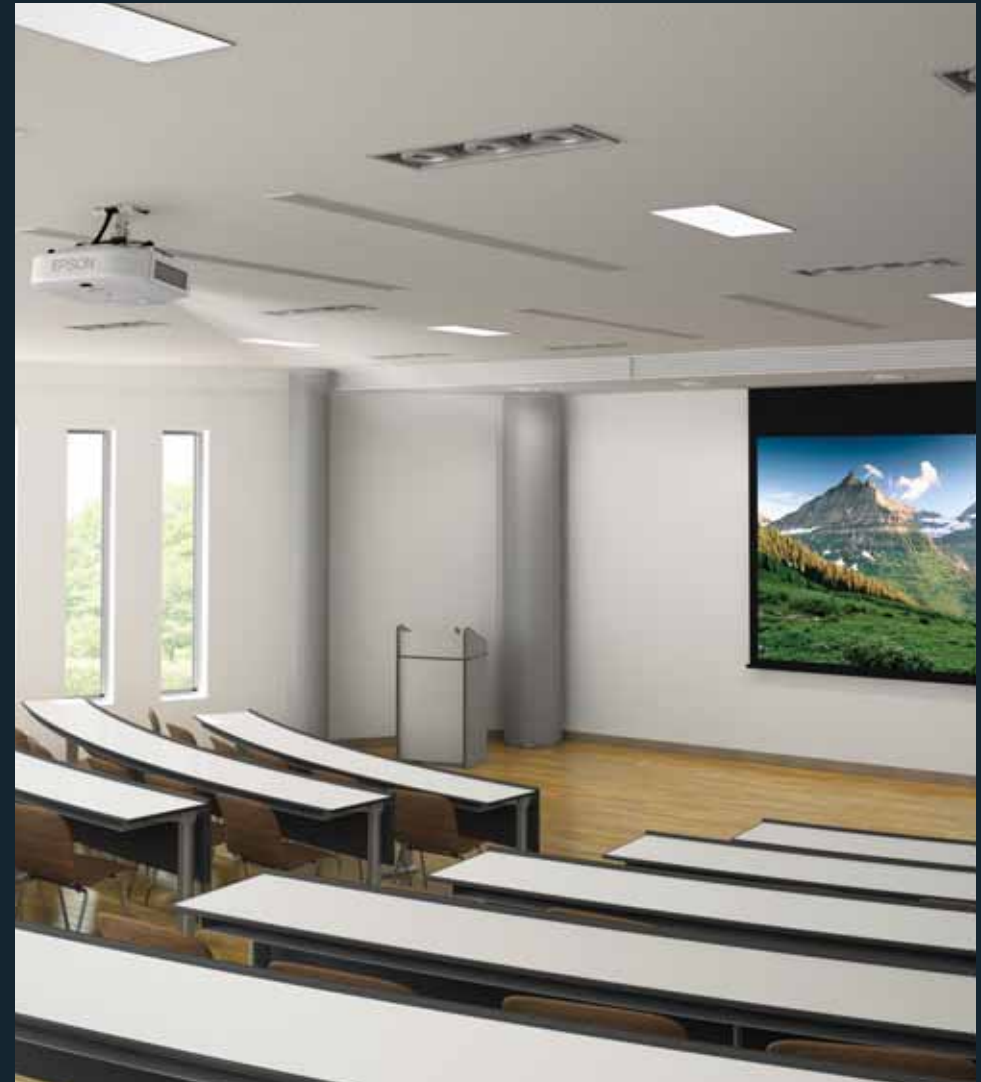
Larger surface area to protect your investment

The electrostatic filter is highly efficient at minimising dust and also very durable. It captures dust particles down to the three-micron level.

Built-in 7 W speaker

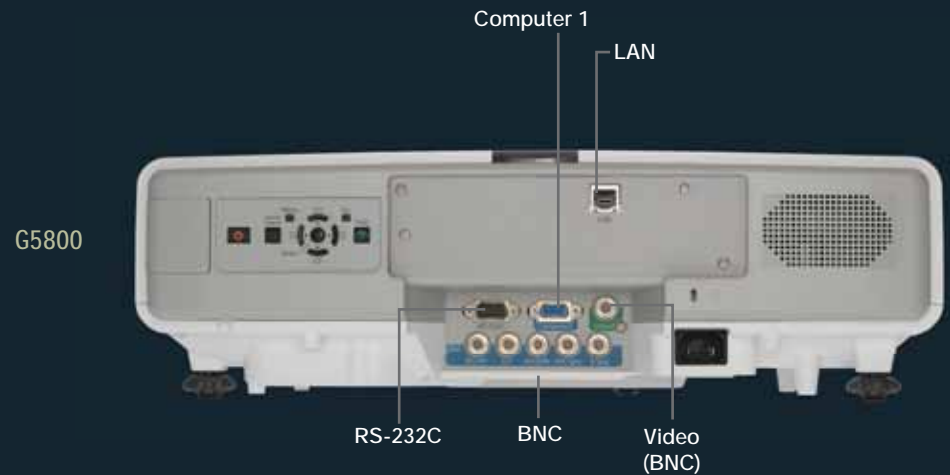• For multimedia applications — to engage your audience
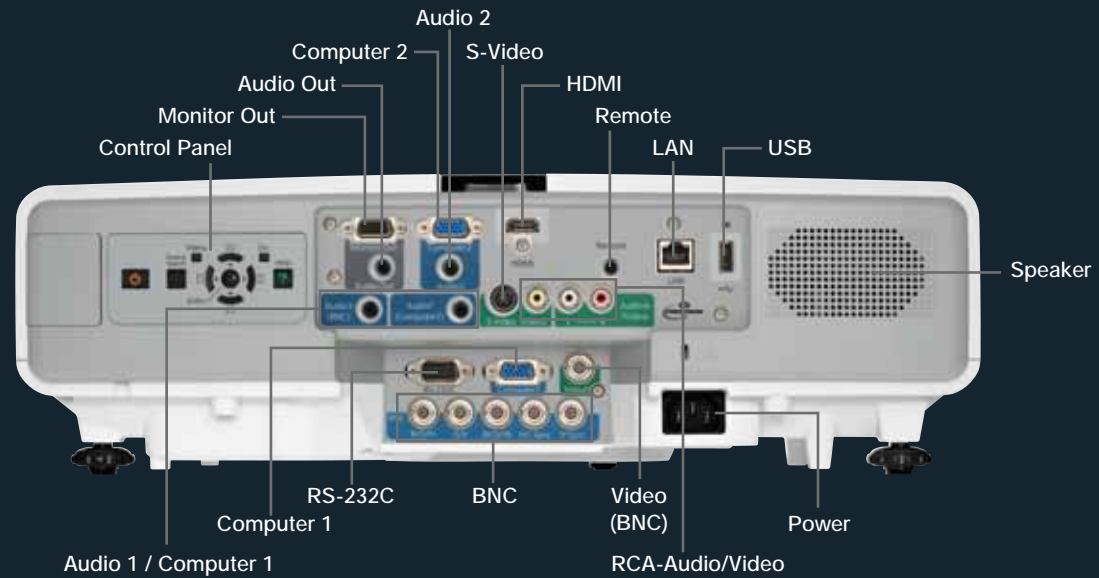
Product details and accessories

470mm

Front view

151.5mm

311.5mm

Top view

Extended Pole
(up to 1168mm)

Flush Mount

Computer 1

LAN

G5800

RS-232C   BNC   Video
(BNC)

G5600NL/G5650WNL/G5950NL

Audio 2
Computer 2 — S-Video
Audio Out — HDMI
Monitor Out — Remote
Control Panel — LAN — USB

Speaker

RS-232C — BNC — Video (BNC)
Computer 1 — Power
Audio 1 / Computer 1 — RCA-Audio/Video

G5450WU/G5750WUNL

DVI-D
Audio 2 — S-Video
Audio Out — HDMI
Monitor Out — Remote
Control Panel — LAN — USB

Speaker

RS-232C — BNC — Video (BNC)
Computer 1 — Power
Audio 1 / Computer 1 — RCA-Audio/Video
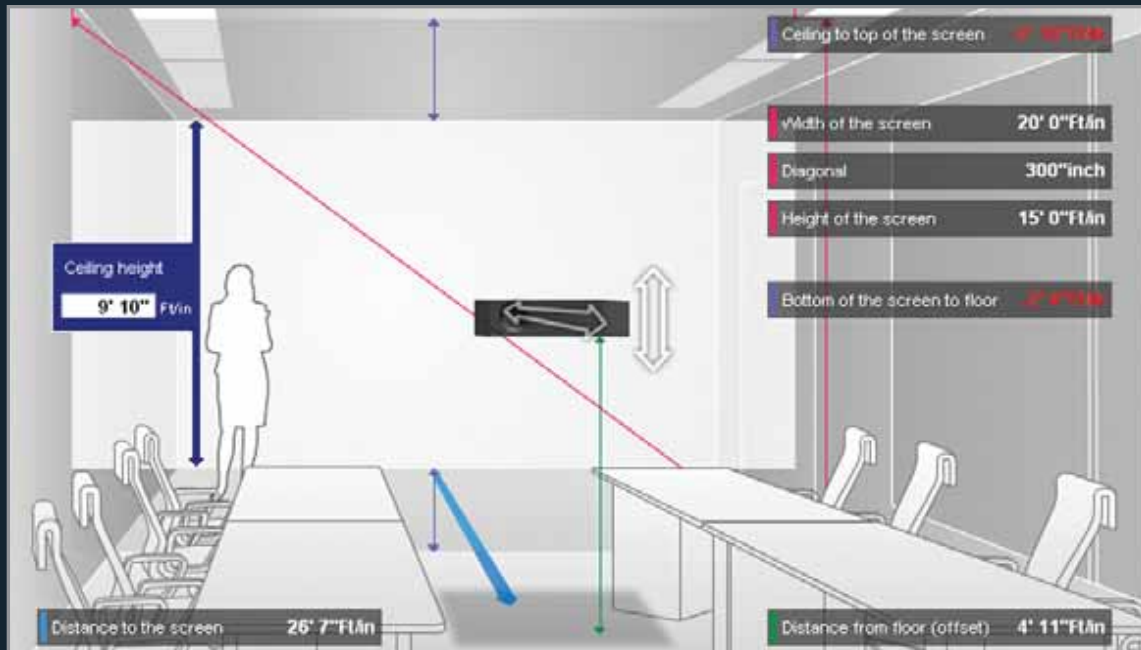
Epson installation tools

Epson knows that choosing, installing and using a projection device correctly is very important.
We have collected helpful tips and resources to make the process easier.

Throw Distance Calculator

Use the throw distance calculator to determine which projector is right for your room size.

You can interactively change the following attributes and find the right projector solution for your application:

- Projector model
- Lens type
- Lens shift
- Projection distance
- Screen size
- Screen positioning on the wall
- Aspect ratio

Visit epson.com.au or epson.co.nz for additional information on documentation and installation tools.

Epson product specifications

Model	G5600NL	G5650WNL	G5950NL	G5450WU	G5750WUNL	G5800
Part Number	V11H352953	V11H347953	V11H349953	V11H346053	V11H345953	V11H379053
Genuine Epson Lamp	V13H010L62	V13H010L63	V13H010L63	V13H010L62	V13H010L63	V13H010L63
Replacement Air Filter	V13H134A17	V13H134A17	V13H134A17	V13H134A17	V13H134A17	V13H134A17
Native Resolution	1024 x 768 (XGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1920 x 1200 (WUXGA)	1920 x 1200 (WUXGA)	1024 x 768 (XGA)
Colour and White Light Output[5] (ISO 21118 standard)	4500 lumens	4500 lumens	5200 lumens	4000 lumens	4500 lumens	5200 lumens
Contrast Ratio (High Brightness, Dynamic Mode)	1000:1	2000:1	2000:1	1000:1	1500:1	1000:1
Lens Shift	Vertical: ±50 percent Horizontal: ±10 percent	Vertical: ±60 percent Horizontal: ±10 percent	Vertical: ±50 percent Horizontal: ±10 percent	Vertical: ±58 percent Horizontal: ±9 percent	Vertical: ±58 percent Horizontal: ±9 percent	Vertical: ±50 percent Horizontal: ±10 percent
Lamp Type	275 W UHE	330 W UHE	330 W UHE	275 W UHE	330 W UHE	330 W UHE
Keystone Correction	Vertical: ±40 degrees Horizontal: ±20 degrees	Vertical: ±40 degrees Horizontal: ±20 degrees	Vertical: ±40 degrees Horizontal: ±20 degrees	Vertical: ±30 degrees Horizontal: ±20 degrees	Vertical: ±30 degrees Horizontal: ±20 degrees	Vertical: ±40 degrees Horizontal: ±20 degrees
Power Consumption	373 W (Normal Mode), 311 W (ECO Mode)	442 W (Normal Mode), 367 W (ECO Mode)	442 W (Normal Mode), 367 W (ECO Mode)	393 W (Normal Mode), 330 W (ECO Mode)	451 W (Normal Mode), 376 W (ECO Mode)	442 W (Normal Mode), 367 W (ECO Mode)
Fan Noise	33 dB (Normal Mode), 28 dB (ECO Mode)	38 dB (Normal Mode), 32 dB (ECO Mode)	38 dB (Normal Mode), 32 dB (ECO Mode)	35 dB (Normal Mode), 30 dB (ECO Mode)	39 dB (Normal Mode), 33 dB (ECO Mode)	38 dB (Normal Mode), 32 dB (ECO Mode)
Interfaces	HDMI x 1 Computer: D-sub 15 pin x 2 Video-1: 5-BNC x 1 Video-2: RCA x 1 Composite video: BNC x 1 S-Video x 1 Audio-in: Mini stereo x 3 Audio-in: RCA (L&R) x 1 Network: RJ-45 x 1, 100 Mbps Serial: RS-232c x 1 Hardwire Remote Jack x 1 Monitor-Out: D-sub 15 pin x 1	HDMI x 1 Computer: D-sub 15 pin x 2 Video-1: 5-BNC x 1 Video-2: RCA x 1 Composite video: BNC x 1 S-Video x 1 Audio-in: Mini stereo x 3 Audio-in: RCA (L&R) x 1 Network: RJ-45 x 1, 100 Mbps USB Type-A x 1 Serial: RS-232c x 1 Hardwire Remote Jack x 1 Monitor-Out: D-sub 15 pin x 1	HDMI x 1 Computer: D-sub 15 pin x 2 Video-1: 5-BNC x 1 Video-2: RCA x 1 Composite video: BNC x 1 S-Video x 1 Audio-in: Mini stereo x 3 Audio-in: RCA (L&R) x 1 Network: RJ-45 x 1, 100 Mbps USB Type-A x 1 Serial: RS-232c x 1 Hardwire Remote Jack x 1 Monitor-Out: D-sub 15 pin x 1	HDMI x 1 DVI-D x 1 Computer: D-sub 15 pin x 1 Video-1: 5-BNC x 1 Video-2: RCA x 1 Composite video: BNC x 1 S-Video x 1 Audio-in: Mini stereo x 3 Audio-in: RCA (L&R) x 1 Network: RJ-45 x 1, 100 Mbps USB Type-A x 1 Serial: RS-232c x 1 Hardwire Remote Jack x 1 Monitor-Out: D-sub 15 pin x 1	HDMI x 1 DVI-D x 1 Computer: D-sub 15 pin x 1 Video-1: 5-BNC x 1 Video-2: RCA x 1 Composite video: BNC x 1 S-Video x 1 Audio-in: Mini stereo x 3 Audio-in: RCA (L&R) x 1 Network: RJ-45 x 1, 100 Mbps USB Type-A x 1 Serial: RS-232c x 1 Hardwire Remote Jack x 1 Monitor-Out: D-sub 15 pin x 1	Computer: D-sub 15 pin x 1 Video-1: 5-BNC x 1 Composite video: BNC x 1 Network: RJ-45 x 1, 100Mbps Serial: RS-232c x 1
Projection System	High-aperture Epson 3LCD, 3-chip technology					
Projection Method	Front/rear/ceiling mount					
Aspect Ratio	Supports 4:3, 16:9, 16:10					
Colour Reproduction	16.7 million					
Size (projection distance)	30" – 300"					
Lamp Life	2000 hours (Normal Mode), 3000 hours (ECO Mode)					
Pixel Clock	13.5 – 162 MHz (up to UXGA 60 Hz)					
Horizontal Frequency	15 kHz – 92 kHz					
Vertical Frequency	50 Hz – 85 Hz					

EPSON®

EXCEED YOUR VISION

Epson Support Services

Epson G Series projectors are backed by a three-year limited warranty.

Better Products for a Better Future™

For more information on Epson's environmental programs, go to eco.epson.com

1   Data source: ProjectorCentral.com Jan 2010. Average of 910 shipping models for which the manufacturers provided lumens and total power data, all resolutions and brightness levels.
2   These projectors do not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.
3   Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.
4   Recommendation based on normal room conditions. Cleaning requirements may vary depending on use, environment and other conditions. Cleaning intervals may be adjusted to accommodate the environment in which the projector is used.
5   Colour and white light output will vary depending on mode selected. White light output measured using ISO 21118 standard.