SONY

Welcome to the new era for Home Cinema

Home Cinema Projector 2022

Immersive entertainment with Sony native 4K SXRD™ laser projectors that deliver high brightness and true 4K HDR imagery in a compact design.

VPL-XW7000ES

VPL-XW5000ES

3,200 lumens of dazzling brightness

Immerse yourself in the large scale action with bright and bold images. The VPL-XW7000ES is 60% brighter than the VPL-VW790ES, engineered with our newly developed Native 4K SXRD™ (Silicon X-tal Reflective Display) panel and Wide Dynamic Range Optics.
It delivers 200 nits* on a 150-inch screen—bringing you a truly immersive experience.

*Screen Gain 1.2

Live Colour Enhancer*

With the newly developed Live Colour Enhancer, you'll enjoy lifelike skin tones and vivid images. The Live Colour Enhancer selectively expands the colour gamut, for vivid HDR images without unnatural oversaturation. Whether you're watching in daylight or a dark room, you can count on vibrant, true-to-life colours.

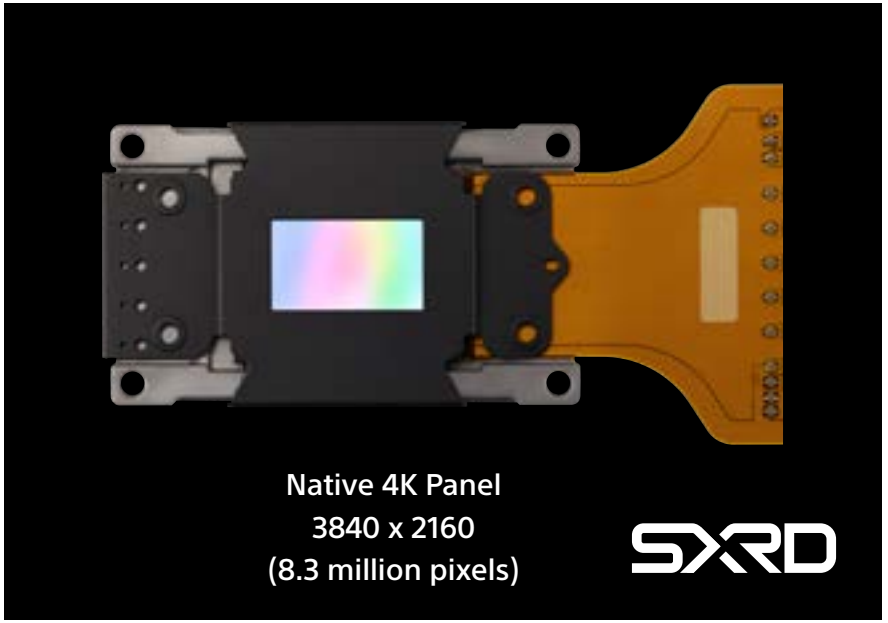
*VPL-XW7000ES only

New innovative technologies deliver a more immersive viewing experience with extreme clarity, expanded dynamic range and expanded colour volume

Extreme clarity

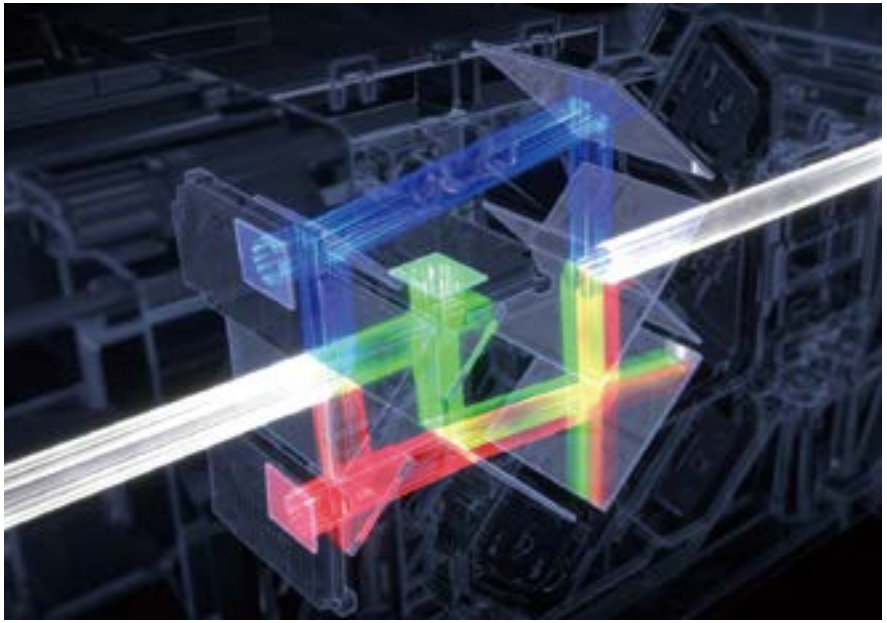
Expanded dynamic range

Expanded colour volume



All-new Native 4K SXRD™ panel

Immerse yourself in an incredibly lifelike picture with native 4K that offers 8.3 million pixels (3,840 x 2,160).
With an all-new 0.61-inch SXRD panel, you'll enjoy high brightness, inky blacks, vibrant colours, rich tones and textures, plus clear cinematic motion and image smoothness.



All-new Wide Dynamic Range Optics

Our new Wide Dynamic Range Optics contribute to a compact design with better light control by maximising the potential of the laser light source.
The resulting higher colour volume means naturally colourful images, even at high brightness levels, and stunning contrast.

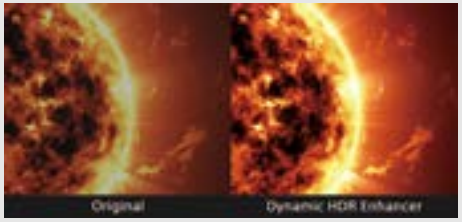
Flagship-level X1™ Ultimate for projector

X1 Ultimate for projector optimises our acclaimed BRAVIA TV video processing for projection.
The incredible power of this video engine enables advanced data processing, with real-time enhancement of each on-screen object.
The result is high dynamic range imagery with texture, colour, contrast and realism only available from Sony's home cinema projectors.

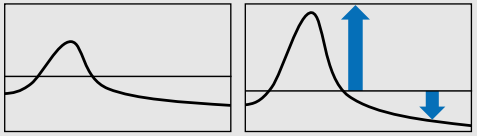
Simulated images

Object-based HDR Remaster

Object-based HDR Remaster analyses the colour of individual objects on screen and adjusts the contrast, resulting in more realistic pictures with greater depth and texture.



Simulated images



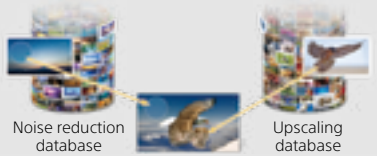
Dynamic HDR Enhancer

Dynamic HDR Enhancer processes HDR content scene by scene and enhances the contrast in combination with laser output control—bringing you bright 4K HDR images.

Simulated images

Object-based Super Resolution

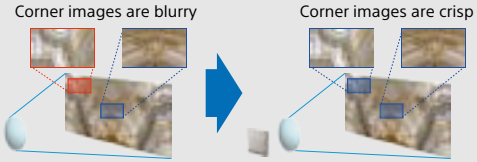
Object-based Super Resolution technology detects individual objects in a picture and enhances each one for exceptional accuracy and detail.



Simulated images

Dual Database Processing

Two powerful image improvement databases work together to improve picture quality in real time. One database helps reduce on-screen noise, while the other is used to upscale the resolution.



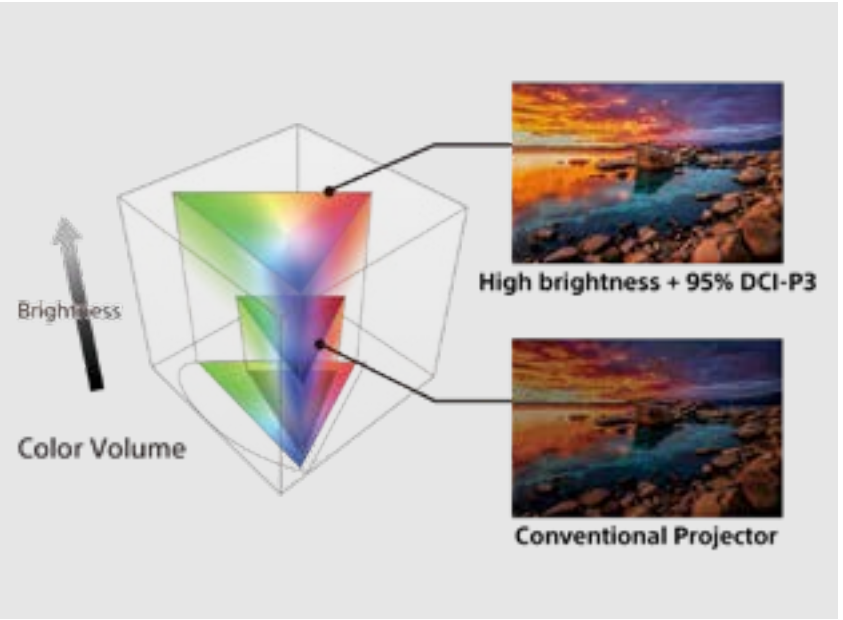
Precompensate by Digital Focus Optimaizer

Digital Focus Optimiser

By analysing every pixel and detecting possible degradation in advance, the Digital Focus Optimiser corrects the image quality so that the focus is better than ever, even in the corners.

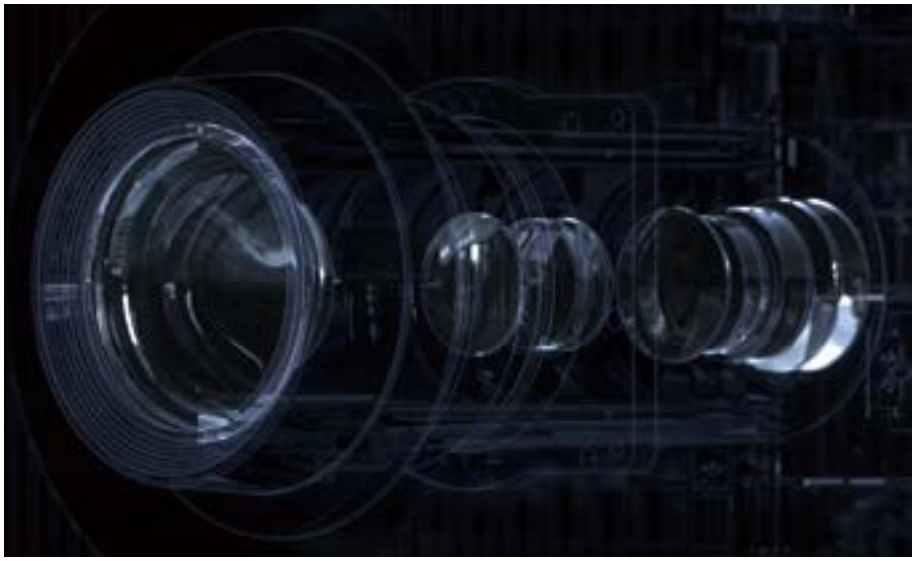
True-to-life colours with TRILUMINOS PRO™

See over a billion colours come to life with TRILUMINOS PRO. Our unique TRILUMINOS PRO algorithm can detect colour from saturation, hue and brightness to reproduce natural shades in every detail. You'll enjoy colours that are closer to those seen in the real world.



Wide colour volume

Enjoy spectacular brightness and stunning realism, thanks to new Wide Dynamic Range Optics that achieve a 95% DCI-P3 wide colour gamut.



All-new Advanced Crisp-Focused (ACF) Lens*

Experience flawless clarity across the entire screen, thanks to our Advanced Crisp-Focused Lens. The 70-mm aspherical front lens widens the focus area, ensuring clear images from corner to corner. A floating focus system utilises two moving lens groups and extra-low dispersion glass for distortion-free images with accurate colour reproduction.

*VPL-XW7000ES only

IMAX ENHANCED

Make the home cinema experience bigger and better than ever

Sony 4K projectors are compatible with IMAX Enhanced content, making them ready to deliver the bigger, more breathtaking IMAX visuals you love in compatible content. Take advantage of the size of your projector screen with movies that become even more immersive with IMAX Enhanced.

VPL-XW5000ES

VPL-XW7000ES

World’s most compact native 4K laser projector*

We’ve designed the VPL-XW5000ES to be even smaller and lighter than its predecessors by developing the all-new Native 4K SXRD™ panel and compact Wide Dynamic Range Optics. This laser projector is about 30% smaller in volume and about 35% lighter than the VPL-VW790ES, delivering the same high brightness.

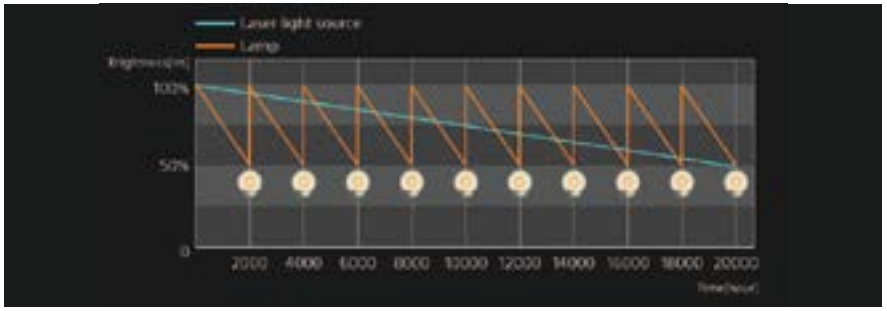
*As of April 2022, according to research by Sony Corporation in the native 4K projectors market.

Home Automation Systems

Remote Monitoring Services

A smart addition to your smart home

Integrate your 4K projector into your home automation and remote monitoring systems. The projector supports Control4, Crestron, Savant and AMX, as well as OvrC and Domotz—so you can enjoy a smarter, more convenient entertainment experience.



Enduring brightness from a laser light source

You'll never have to worry about changing the lamp in your home cinema projector—no lamp replacement and virtually no maintenance are required.
The projector uses an ultra-pure and reliable laser light source, which lets you enjoy perfectly clear 4K pictures at optimal brightness for up to 20,000 uninterrupted hours.

Designed with the environment in mind

This 4K projector is full of bright ideas—not only for your home entertainment but also for a sustainable future. To reduce our footprint, we created a mercury-free design with a laser light source. We also reduced the amount of virgin plastic used in the main body by more than 25% and the packaging materials by more than 15% compared to the VPL-VW790ES.

Plastic in body
25% ⬇

Foam cushion
15% ⬇

Power per lumen
30% ⬇

Mercury usage
0%

Package size
20% ⬇

The numbers show how VPL-XW5000ES has changed compared to conventional model VPL-VW790ES.

Other Features

VPL-GTZ380/XW7000ES/XW5000ES

4K Motionflow™

Without Motionflow

With Motionflow

Simulated images

The powerful video processor in the projector offers Motionflow for smooth and clear motion, even when viewing 4K content.
Motionflow is ideal for fast-moving sports content, as it adds frames to reduce blur while maintaining brightness.
Cinema purists can choose True Theatre mode to retain the original 24 fps.

VPL-GTZ380/XW7000ES/XW5000ES

Input Lag Reduction

Off

On

Simulated images

Enjoy the latest games lag-free on the big screen. All of our 4K projectors include input lag reduction that enables the player's input to be reflected on screen without delay.
The projector supports 4K 60 Hz input with an input lag under 21 ms, and 2K 120 Hz input with an input lag under 13 ms.

VPL-GTZ380/XW7000ES

Picture Position Memory

Store focus, zoom and lens-shift settings for up to five screen formats for easy recall. Picture Position Memories store key settings so you can quickly watch movies in the ideal format. Match aspect ratios, including 16:9 and Cinemascope, and store these settings in your 4K projector.

VPL-GTZ380/XW7000ES

Motorized zoom lens and wide lens shift

Installing your 4K laser projector in any room is easy with a motorized zoom and a wide lens shift range. Adjust the image position vertically and horizontally for the perfect setup whatever your room size.

VPL-GTZ380/XW7000ES/XW5000ES

Anamorphic lens compatibility for 4K signals (V-stretch for 4K)

Wide lens compatibility means you can use your legacy anamorphic lenses with ease, even with 4K content. Watch your content in your favorite formats with a full-size picture, thanks to the V-stretch function.

Bright, immersive entertainment from a native 4K laser projector

2022 NEW

VPL-XW7000ES

Laser with ACF-Lens	4K HDR	3,200 lm

Delivering extraordinary brightness, the VPL-XW7000ES brings an authentic big screen experience to your home. Enjoy crisp images full of lifelike colours, even in well-lit spaces like your media room or living room.

Bring home entertainment with a native 4K, high-value laser projector

2022 NEW

VPL-XW5000ES

Laser	4K HDR	2,000 lm

Savour the action with up to 2,000 lumens of high brightness, generated by a long-lasting laser light source, for vibrant images even on a large screen.

Ultimate 4K SXRD™ 10,000lm Laser Projector

4K HDR SXRD

Z-Phosphor
LASER LIGHT SOURCE

X1
Ultimate
for projector

TRILUMINOS PRO

VPL-GTZ380

Laser with ARC-F lens* | 4K HDR | 10,000 lm

The Sony VPL-GTZ380 is the world's most advanced projector designed for large home cinemas to bring a true theater experience home. An exceptional 10,000 lumens of brightness with 100% DCI-P3 wide colour gamut is perfect for the largest and most lavishly equipped home cinema rooms and well-lit living spaces alike. The VPL-GTZ380 brings movies to life with strikingly expressive images that deliver an unforgettable viewing experience, for whatever you're watching.

*The ARC-F lens is optional.

	4K HDR LASER PHOSPHOR PROJECTOR		
		NEW	NEW
Model	**VPL-GTZ380**	**VPL-XW7000ES**	**VPL-XW5000ES**
Brightness	10,000 lm	3,200 lm	2,000 lm
Picture Engine	X1™ Ultimate for projector	X1™ Ultimate for projector	X1™ Ultimate for projector
Dynamic HDR Enhancer	Yes	Yes	Yes
Resolution	4K	4K	4K
Lens (Bundled)	–	ACF-Lens	Standard 4K Lens
Dynamic Contrast	∞:1	∞:1	∞:1
Colour space	100% DCI-P3 Triluminos™ PRO Display	95% DCI-P3 Triluminos™ PRO Display	95% DCI-P3 Triluminos™ PRO Display
Picture Position	Yes	Yes	–
Accessories Lens (Optional)	VPLL-Z8014 (Standard ARC-F) VPLL-Z8008 (Short throw)	–	–

Specifications

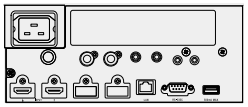
		VPL-GTZ380	VPL-XW7000ES	VPL-XW5000ES
Display system		4K SXRD panel, projection system	4K SXRD panel, projection system	4K SXRD panel, projection system
Display device	Size of effective display area	0.74" x 3	0.61" x 3	0.61" x 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels	24,883,200 (3840 x 2160 x 3) pixels	24,883,200 (3840 x 2160 x 3) pixels
Projection lens	Focus	Powered	Powered	Manual
	Zoom	Powered	Powered (Approx. x 2.1)	Manual (Approx. x 1.60)
	Lens shift	VPLL-Z8014 (Optional) : Powered, Vertical: +/-80 %, Horizontal: +/-33 %	Powered, Vertical +/- 85 %, Horizontal +/- 36 %	Manual, Vertical +/- 71 %, Horizontal +/- 25 %
		VPLL-Z8008 (Optional) : Powered, Vertical: +/-50 %, Horizontal: +/-19 %	–	–
	Throw ratio*1	VPLL-Z8014 (Optional) : 1.49 : 1 to 2.91 : 1	1.35:1 to 2.84:1	1.38:1 to 2.21:1
		VPLL-Z8008 (Optional) : 0.85 : 1 to 1.09 : 1	–	–
Light source		Laser diode	Laser diode	Laser diode
Recommended lamp replacement time*2		–	–	–
Light output		10,000 lm	3,200 lm	2,000 lm
Dynamic contrast		∞ : 1	∞ : 1	∞ : 1
Accepted digital signals		720 x 576/50p, 720 x 480/60p, 1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 1920 x 1080/120p, 1920 x 1080/100p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/50p, 3840 x 2160/60p, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p, 4096 x 2160/60p, WUXGA/60p, QXGA/60p, QXGA/120p, WQHD/60p, WQHD/120p, WQXGA/60p, WQXGA/120p	720 x 576/50p, 720 x 480/60p, 1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 1920 x 1080/120p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/50p, 3840 x 2160/60p, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p, 4096 x 2160/60p	720 x 576/50p, 720 x 480/60p, 1280 x 720/50p, 1280 x 720/60p, 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/24p, 1920 x 1080/50p, 1920 x 1080/60p, 1920 x 1080/120p, 3840 x 2160/24p, 3840 x 2160/25p, 3840 x 2160/30p, 3840 x 2160/50p, 3840 x 2160/60p, 4096 x 2160/24p, 4096 x 2160/25p, 4096 x 2160/30p, 4096 x 2160/50p, 4096 x 2160/60p
Input Output (Computer / Video / Control)	HDMI	x 2 (HDCP2.3)	x 2 (HDCP2.3)	x 2 (HDCP2.3)
	Display Port	x 2 (HDCP2.3)	–	–
	Trigger	x 2 (Mini jack, DC 12 V, Max. 100 mA)	x 1 (Mini jack, DC 12 V, Max. 100 mA)	x 1 (Mini jack, DC 12 V, Max. 100 mA)
	RS-232C	x 1 (D-sub 9-pin (male))	x 1 (D-sub 9-pin (male))	x 1 (D-sub 9-pin (male))
	LAN	x 1 (RJ-45, 10BASE-T/100BASE-TX)	x 1 (RJ-45, 10BASE-T/100BASE-TX)	x 1 (RJ-45, 10BASE-T/100BASE-TX)
	IR IN / OUT	IN: x 1, Out: x 1 (Mini jack)	IN: x 1 (Mini jack)	IN: x 1 (Mini jack)
	3D SYNC OUT	x 1 (3-pin mini-DIN (VESA 3D))	x 1 (Mini jack)	–
	USB	x 1 (Type A, DC 5 V, Max. 500 mA)	x 1 (Type A, DC 5 V, Max. 500 mA)	x 1 (Type A, DC 5 V, Max. 500 mA)
Picture processor		X 1 Ultimate for projector	X1™ Ultimate for projector	X1™ Ultimate for projector
Object-based HDR remaster		Yes	Yes	Yes
Dynamic HDR Enhancer		Yes	Yes	Yes
Object-based Super Resolution		Yes	Yes	Yes
Dual database processing		Yes	Yes	Yes
Digital Contrast Optimizer		Yes	Yes	Yes
Digital Focus Optimizer		Yes	Yes	Yes
Dynamic contrast control		Dynamic laser control	Dynamic laser control	Dynamic laser control
Motionflow		Yes	Yes	Yes
HDR Format		HDR10/HLG	HDR10/HLG	HDR10/HLG
3D		Yes	Yes	–
Picture position memory		5	3	–
Input lag reduction		Yes (4K/2K)	Yes (4K/2K)	Yes (4K/2K)
Acoustic noise*3		33-39 dB	26 dB	24 dB
Power requirements		AC 200-240 V, 50/60 Hz, AC 100-120 V, 50/60 Hz (Brightness is dimmed.)	AC 100-240 V, 50/60 Hz	AC 100-240 V, 50/60 Hz
Power consumption		Max. 2.0 kW (TBD)	420 W	295 W
	Standby	0.4 W (when "Remote Start" is set to "Off")	0.3 W (when "Remote Start" is set to "Off")	0.3 W (when "Remote Start" is set to "Off")
	Networked Standby	1.0 W (LAN) (when "Remote Start" is set to "On")	0.5 W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W)	0.5 W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W)
Dimensions (Without Protrusions)		W 560 x H 228 x D 760 mm (W 22 1/16 x H 8 31/32 x D 29 15/16 in)	W 460 x H 210 x D 517 mm (W 18 1/8 x H 8 9/32 x D 20 11/32 in)	W 460 x H 200 x D 472 mm (W 18 1/8 x H 7 7/8 x D 18 19/32 in)
Mass		Approx. 51 kg / 112 lb.	Approx. 14 kg / 31 lb	Approx. 13 kg / 28 lb
Supplied accessories		RM-PJ29 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC power Cord (1), Lens Cap (1), Plug holder (1), Safety Regulations (1)	Remote Control (RM-PJ24), Size AA (R6) manganese batteries (2), AC Power Cord (1), Lens Cap (1), Setup Guide (1)	Remote Control (RM-PJ28), Size AA (R6) manganese batteries (2), AC Power Cord (1), Lens Cap (1), Setup Guide (1)
Optional accessories		VPLL-Z8014 (Normal throw lens) VPLL-Z8008 (Short throw lens)	–	–

*1 Display size : 16:9 *2 The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.
*3 Depends on the projector setting condition and usage environment.

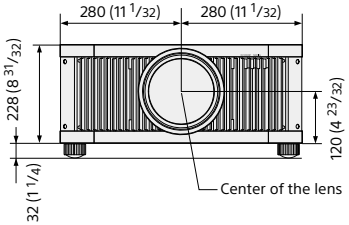
Unit : mm (inches)

VPL-GTZ380

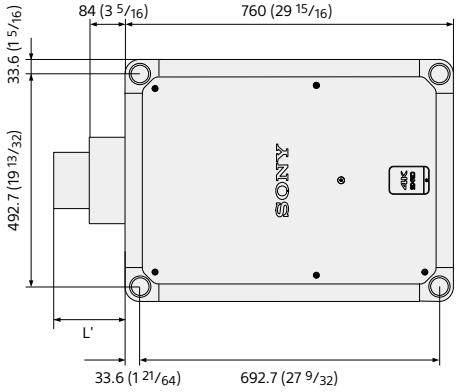
CONNECTOR PANELS



Front



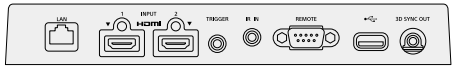
Bottom



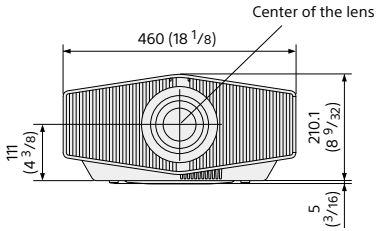
*VPL-GTZ380
VPLL-Z8014 (Optional) : L'= 173 (6 13/16)
VPLL-Z8008 (Optional) :L'= Wide 184 (7 1/4) / Tele 175 (6 7/8)

VPL-XW7000ES

CONNECTOR PANELS



Front



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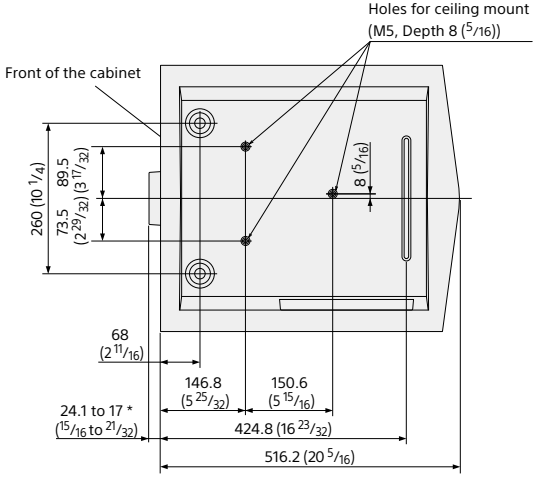
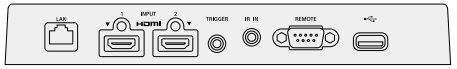


*VPL-XW7000ES
Varies depending on how focus is adjusted.

VPL-XW5000ES

CONNECTOR PANELS



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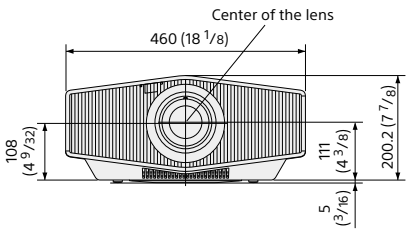

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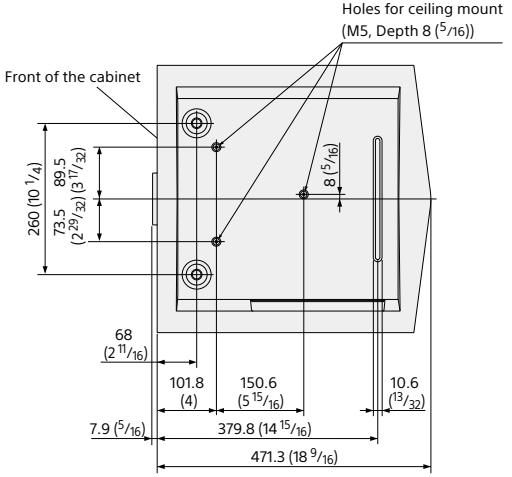

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