SONY
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VPL-F Series

Solid Installation Projector

VPL-FX37
VPL-FX35
VPL-FX30

3LCD

BrightEra™
Long Lasting Optics

Installation Flexibility and Hassle-free Maintenance with a Stylish Unobtrusive Design

The VPL-FX37, VPL-FX35 and VPL-FX30 offer amazing installation flexibility and hassle-free maintenance, along with a stylish yet inconspicuous design that blend into any decor.
These projectors are equipped with an excellent lens shift function and a standard 1.6x zoom lens, making image adjustment easy. They are also compatible with the optional lenses designed for Sony's VPL-F40 Series, extending the range of installation choices. The maintenance cycles of the lamp and cleaning filters are synchronized and exceptionally long, which cuts maintenance time and cost. In addition, VPL-FX37, VPL-FX35 and VPL-FX30 are designed to deliver a low total cost of ownership, and include energy-efficient features, thanks to its long-lasting lamp and low power consumption.
Packing the most advanced projector technologies into a low-profile design, the VPL-FX37, VPL-FX35 and VPL-FX30 are an excellent choice, delivering a dramatic brightness and high-quality images with XGA resolution.

FEATURES

"Blend-in" Design

The VPL-FX37, VPL-FX35 and VPL-FX30 showcases a newly designed low-profile chassis, so the projector appears to blend into the ceiling or wall on which it is mounted. The connector panel is located on the front of the unit so its cables cannot be seen by the audience.

High Picture Quality

Brilliant Color Performance

The VPL-FX37, VPL-FX35, and VPL-FX30 combine a new-generation optical system, which uses Sony BrightEra with Long Lasting Optics™ technology*, and a 3LCD projection system to achieve high picture quality in XGA (1024 x 768) resolution and high brightness (6,000, 5,000, and 4,200 lumens, respectively).

* BrightEra with Long Lasting Optics is the Sony brand name for a new generation of optical system, which uses a more advanced version of Sony's original BrightEra technology. In addition to adopting LCD panels that have pixels with large aperture ratios and inorganic alignment layers, BrightEra with Long Lasting Optics technology also uses an inorganic layer for polarization plates to greatly enhance reliability.

3LCD Projection Offers Brilliant Color Performance

The VPL-FX37, VPL-FX35 and VPL-FX30 adopt a 3LCD projection system incorporating three LCD panels. This system enables the projector to present bright and natural images.

simulated image

High Resolution Lens

The VPL-FX37, VPL-FX35 and VPL-FX30 incorporate a high-resolution lens known as the All Range Crisp Focus (ARC-F) lens. Its large diameter and fine pitch ensure crisp pictures.

ARC-F lens

Normal lens

simulated image

12-bit 3D Gamma Correction

The VPL-FX37, VPL-FX35 and VPL-FX30 incorporate 12-bit 3D Gamma Correction circuitry to perform highly accurate gamma correction, achieving smoother gradations and richer gray scale.

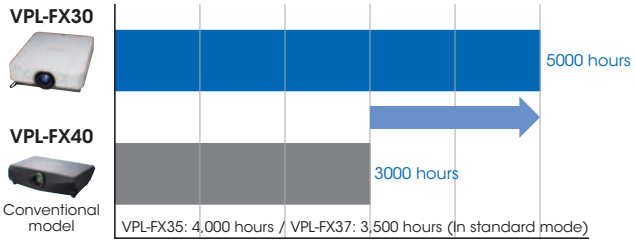
I/P Conversion and Film Mode

The video signal processing technology that Sony has incorporated in the VPL-FX37, VPL-FX35 and VPL-FX30 offer I/P conversion and 2-3 pull-down to generate high-quality images with outstanding clarity.

Cost-efficient, Energy-efficient Design

Long-lasting Lamp

By incorporating a newly developed high-performance lamp and advanced lamp-control technology, the VPL-FX30 offers a recommended lamp replacement time of approximately 5,000 hours.*

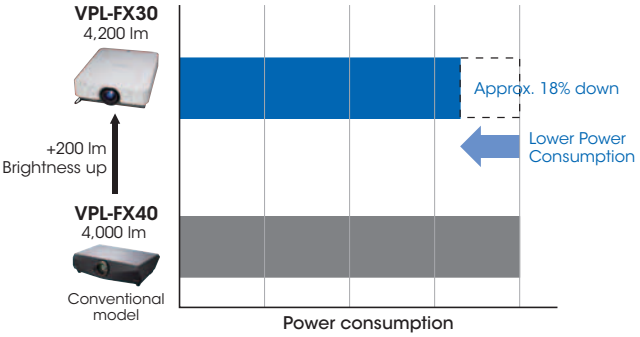


Recommended lamp replacement time

*Based on lowest wattage setting. Values are approximate and may vary due to environmental conditions and usage.

Low Power Consumption

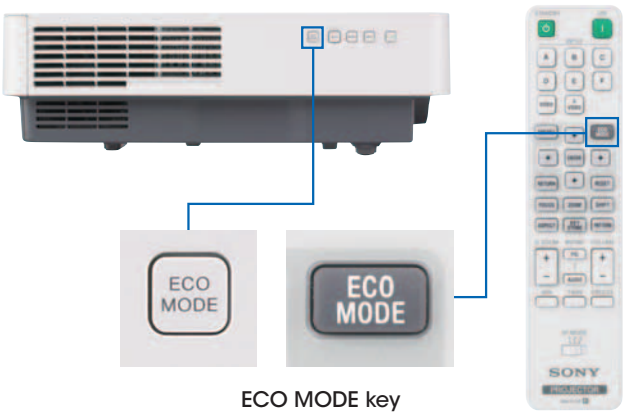
The VPL-FX30 offers remarkably low power consumption, which can help users save on their electricity expenses.



Power consumption

ECO MODE Key

With a single push of the ECO MODE key on either the projector or the supplied Remote Commander® unit, user can select an energy-saving setting from the ECO Mode menu.



ECO MODE key

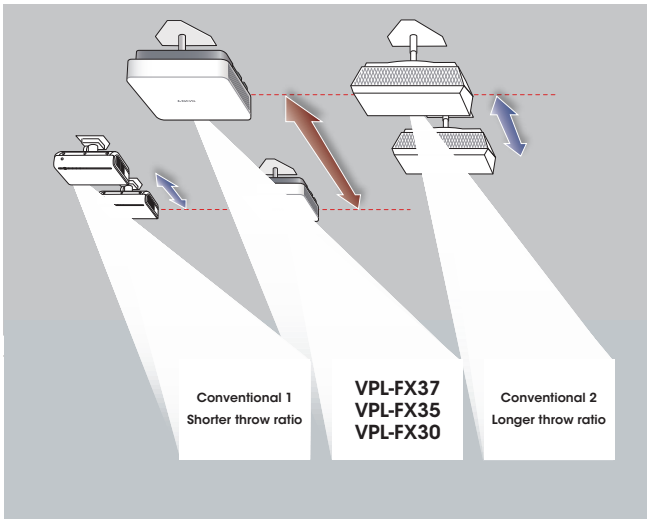
Installation Advantages

Lens Shift Function

The VPL-FX37, VPL-FX35 and VPL-FX30 have Lens Shift function which is controlled from the projector control panel or the supplied Remote Commander unit. Using this function, the position of the projected image can be moved vertically by up to 51% and horizontally from -33% through to +33%. Images can be easily adjusted to the desired settings during installation.

Convenient, Simple Projector Replacement

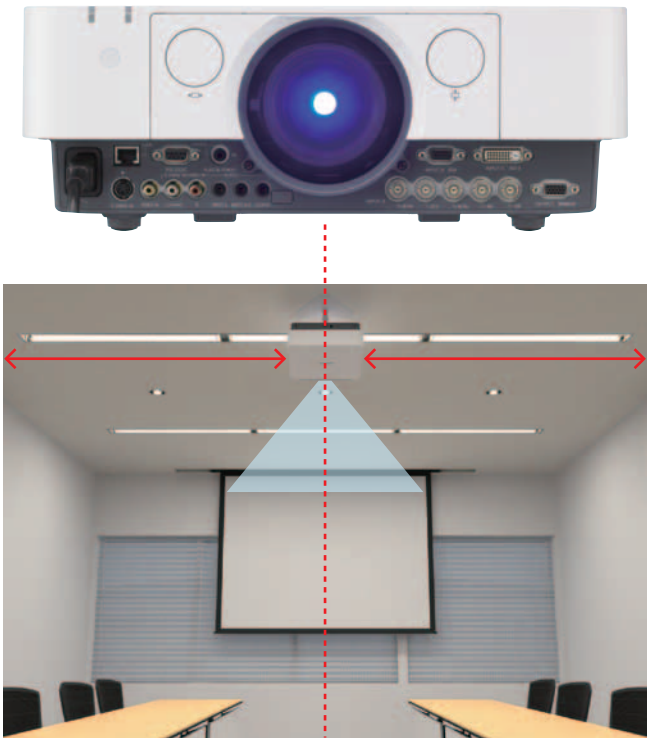
The standard 1.6x zoom lens enables installation flexibility when replacing an existing projector with the VPL-FX37, VPL-FX35 and VPL-FX30 – there's no need to change ceiling mount positions. For applications where more than a standard lens is needed, the VPL-FX37, VPL-FX35 and VPL-FX30 are compatible with the optional VPLL-Z1024 and VPLL-Z1032 accessory lenses designed for Sony's current VPL-FX40 Series.



Broad throw ratio simplifies projector replacement

Centered Lens Design

The centered lens provides symmetry for a balanced installation, and makes setup very simple.

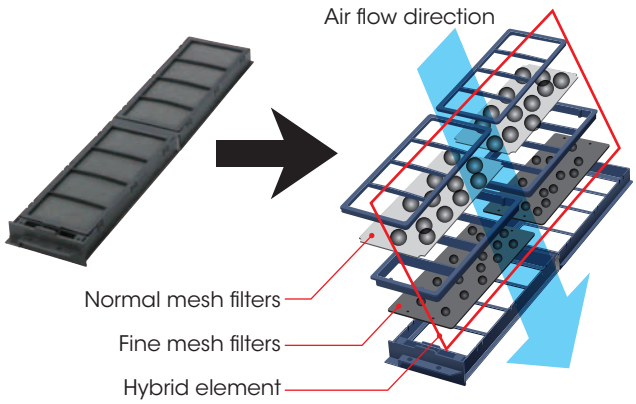


Balanced and symmetrical installation

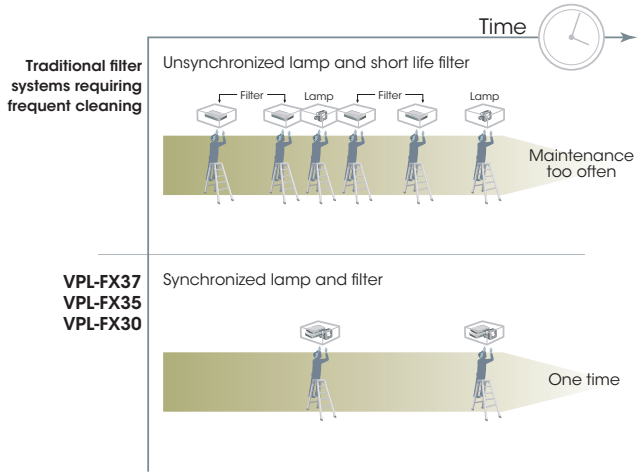
Hassle-free Maintenance

Lamp and Filter Synchronized Maintenance

When the air filter must be cleaned, a timely message is displayed on screen. The lamp and the filter are accessible from the same side, so their maintenance can be performed without uninstalling the projector. With typical usage, the filters have an approximate 15000-hour cleaning cycle. This is achieved by a Quad Filter system which means the filters only need to be cleaned when the lamp is changed, even in harsh conditions, saving maintenance time and cost.



Quad Filter System



Maintenance cycle comparison image

Presentation Functions

Freeze Function

Freezes the projected image

Digital Zoom Function

Enlarges a section of the image

Picture/Audio Muting

Mutes the image/audio

Other Features

Closed Captioning

Official teletext broadcasting, developed by the NCI, USA

Security Pack

Security lock (password and mechanical), security bar, panel key lock, and security label

Test Pattern Key

For easy screen adjustment

ID Mode

For individual control of multiple projectors

Audio Monitor Function

Allows audio to be selected based on input selection

Smart APA

Auto pixel alignment

Direct Power On/Off

Direct power control using the circuit breaker on the switch board

High Altitude Mode

For projector operation at high altitude

Network and Control

Controls and monitors projector status
Compatible with various control systems

OPTIONAL ACCESSORIES

LMP-F272
Replacement Lamp for VPL-FX30

LMP-F230
Replacement Lamp for VPL-FX35

LMP-F331
Replacement Lamp for VPL-FX37

PAM-600
Projector Suspension Support

VPLL-Z1024
Projector Lens

VPLL-Z1032
Projector Lens

PK-F30LA1
Projector Lens Adapter

OPTIONAL LENSES

Projection lens	VPLL-Z1024	VPLL-Z1032
Throw ratio	2.38 to 3.26	3.24 to 4.95
Zoom / Focus	Manual / Manual	Manual / Manual
Lens shift	Vertical: Upward 51% to Downward 0% Horizontal: Right 33% to Left 33%	Vertical: Upward 51% to Downward 0% Horizontal: Right 33% to Left 33%
Aperture	f/2.00 to 2.30	f/2.00 to 2.40
Screen size*	40" to 600"	40" to 600"
Dimensions	W 3 13/16 x H 3 7/16 x D 7 3/32 in (W 97 x H 87 x D 180 mm)	W 3 13/16 x H 3 7/16 x D 6 31/32 in (W 97 x H 87 x D 177 mm)
Weight	2 lb 7 oz / 1.1 kg	2 lb 7 oz / 1.1 kg
Required projection lens adapter	PK-F30LA1	PK-F30LA1

* Viewable area, measured diagonally.

PRESET SIGNAL CHART

Computer Signal

Resolution	fH [kHz]/ fV [Hz]	Input connector	
		RGB*1	DVI-D*2
640 x 350	31.5/70	●	
	37.9/85	●	
640 x 400	31.5/70	●	
	37.9/85	●	
640 x 480	31.5/60	●	●
	35.0/67	●	
	37.9/73	●	
	37.5/75	●	
	43.3/85	●	
800 x 600	35.2/56	●	
	37.9/60	●	●
	48.1/72	●	
	46.9/75	●	
	53.7/85	●	
832 x 624	49.7/75	●	
1024 x 768	48.4/60	●	●
	56.5/70	●	
	60.0/75	●	
	68.7/85	●	
1152 x 864	64.0/70	●	
	67.5/75	●	
	77.5/85	●	
1152 x 900	61.8/66	●	
1280 x 960	60.0/60	●	●
	75.0/75	●	
1280 x 1024	64.0/60	●	●
	80.0/75	●	
	91.1/85	●	
1400 x 1050	65.3/60	●	●
1600 x 1200	75.0/60	●	●
1280 x 768	47.8/60	●	●
1280 x 720	45.0/60	●	●
1920 x 1080	67.5/60		●
1366 x 768	47.7/60	●	●
1440 x 900	55.9/60	●	●
1680 x 1050	65.3/60	●	●
1280 x 800	49.7/60	●	●
1920 x 1200	74.0/60	●*4	●*4

Digital TV Signal

Signal	fV [Hz]	Input connector	
		RGB/YP_BP_R*3	DVI-D*2
480i	60	●	●
576i	50	●	●
480p	60	●	●
576p	50	●	●
1080i	60	●	●
1080i	50	●	●
720p	60	●	●*5
720p	50	●	●
1080p	60		●*5
1080p	50		●

Analog TV Signal

Signal	fV [Hz]	Input connector
		VIDEO/S VIDEO
NTSC	60	●
PAL/SECAM	50	●

*1: INPUT A, INPUT B
*2: INPUT C
*3: INPUT A
*4: Available for VESA Reduced Blanking signals only.
*5: Determine as a computer signal.

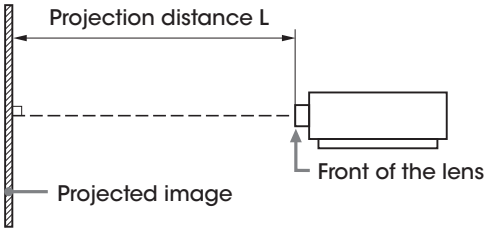
- When a signal other than the signals listed in the table is input, the picture may not be displayed properly.
- An input signal meant for a screen resolution different to that of the panel will not be displayed in its original resolution. Text and lines may be uneven.
- Some actual values may differ slightly from the design values given in the table.

INSTALLATION DIAGRAM

Projection Distance

Unit: m (inches)

Projection image size		Projection distance L		
Diagonal	Width x Height	Standard lens	VPLL-Z1024	VPLL-Z1032
80-inch (2.03 m)	1.63 x 1.22 (64 x 48)	2.31 – 3.69 (91 – 145)	3.85 – 5.28 (152 – 207)	5.24 – 8.01 (207 – 315)
100-inch (2.54 m)	2.03 x 1.52 (80 x 60)	2.89 – 4.62 (114 – 182)	4.84 – 6.62 (191 – 260)	6.59 – 10.05 (260 – 395)
120-inch (3.05 m)	2.44 x 1.83 (96 x 72)	3.48 – 5.56 (137 – 218)	5.83 – 7.97 (230 – 313)	7.94 – 12.09 (313 – 476)
150-inch (3.81 m)	3.05 x 2.29 (120 x 90)	4.36 – 6.96 (172 – 274)	7.31 – 9.98 (288 – 393)	9.95 – 15.14 (392 – 596)
200-inch (5.08 m)	4.06 x 3.05 (160 x 120)	5.83 – 9.29 (230 – 366)	9.77 – 13.34 (385 – 525)	13.32 – 20.24 (525 – 797)



SPECIFICATIONS

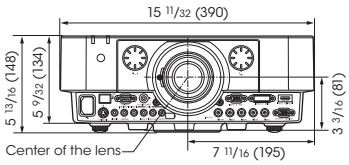
		VPL-FX37	VPL-FX35	VPL-FX30
Display system		3 LCD system		
Display device	Size	0.79" (20.1 mm) x 3, Aspect ratio: 4:3		
	Number of pixels	2,359,296 (1024 x 768 x 3) pixels		
Projection lens	Zoom	Manual (Approx. 1.6 x)		
	Focus	Manual		
	Lens shift	Manual, Vertical: Upward 51% to Downward 0%, Horizontal: Right 33% to Left 33%		
Light source		High-pressure mercury lamp 330 W type	High-pressure mercury lamp 275 W type	High-pressure mercury lamp 230 W type
Recommended lamp replacement time*1		2500 H (Lamp mode: High) 3500 H (Lamp mode: Standard)	3000 H (Lamp mode: High) 4000 H (Lamp mode: Standard)	4000 H (Lamp mode: High) 5000 H (Lamp mode: Standard)
Filter cleaning cycle		Max.15000 H*1 Same time as the lamp replacement is recommended		
Screen size		40" to 600" (1.02 m to 15.24 m)		
Light output		6000 lm (Lamp mode: High)	5000 lm (Lamp mode: High)	4200 lm (Lamp mode: High)
Color light output		6000 lm (Lamp mode: High)	5000 lm (Lamp mode: High)	4200 lm (Lamp mode: High)
Contrast ratio (full white / full black)*2		2000:1		
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz		
	Vertical	47 Hz to 93 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots*3		
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction		Vertical: Max. +/- 30 degrees*4		
OSD language		20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi)		
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y P_B P_R input connector: 5BNC, Audio input connector: Stereo mini jack		
	INPUT B	RGB input connector: Mini D-sub 15-pin, Audio input connector: Stereo mini jack (shared with INPUT C)		
	INPUT C	DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP, Audio input connector: Stereo mini jack (shared with INPUT B)		
	S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)		
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)		
	OUTPUT	Monitor output connector*5: Mini D-sub 15-pin, Audio output connector*6: Stereo mini jack (variable out)		
	REMOTE	RS-232C connector: D-sub 9-pin (female)		
	LAN	LAN connector: RJ45, 10BASE-T/100BASE-TX		
	CONTROL S	Control S input connector: Stereo mini jack, Plug in power DC5V		
Operating temperature / Operating humidity		32°F to 104°F (0°C to 40°C) / 35% to 85 % (no condensation)		
Storage temperature / Storage humidity		-4°F to +140°F (-20°C to +60°C) / 10% to 90 % (no condensation)		
Power requirements		AC 100 V to 240 V, 4.5 A to 1.8 A, 50/60 Hz	AC 100 V to 240 V, 3.8 A to 1.6 A, 50/60 Hz	AC 100 V to 240 V, 3.3 A to 1.3 A, 50/60 Hz
Power consumption	AC 100 V to 120 V	450 W	380 W	330 W
	AC 220 V to 240 V	430 W	360 W	310 W
Standby mode power consumption	AC 100 V to 120 V	11 W (Standby mode: Standard) / 0.15 W (Standby mode: Low)		
	AC 220 V to 240 V	12 W (Standby mode: Standard) / 0.3 W (Standby mode: Low)		
Heat dissipation	AC 100 V to 120 V	1536 BTU	1297 BTU	1126 BTU
	AC 220 V to 240 V	1467 BTU	1228 BTU	1058 BTU
Outside dimensions		W 15 11/32 x H 5 9/32 x D 18 7/32 in (W 390 x H 134 x D463 mm) (without protrusions)		
Weight		17 lb 14 oz / 8.1 kg	17 lb 10 oz / 8.0 kg	17 lb 7 oz / 7.9 kg
Supplied accessories		RM-PJ19 Remote Commander (1), Size AA (R6) batteries (2), AC power cord (1), Cable ties (2), Quick Reference Manual (1), Security Label (1), Operating Instructions (1)		
Replacement lamp		LMP-F331	LMP-F272	LMP-F230

*1 The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used. *2 The value is average. *3 Available for VESA Reduced Blanking signal. *4 Depends on resolution. This projector tilt angle is up to +/- 15 degrees. *5 From INPUT A and INPUT B. *6 Works as an audio switcher function. Output from a selected channel; not available in standby.

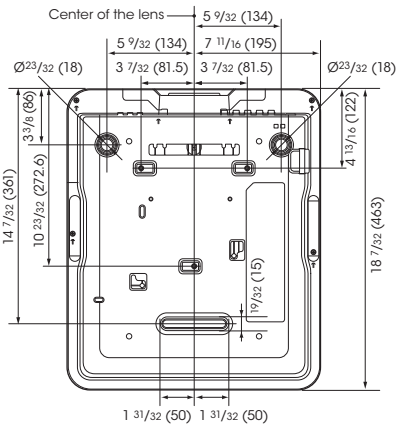
DIMENSIONS

Unit: inches (mm)

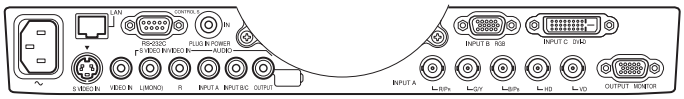
Front



Bottom



CONNECTOR PANEL



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Sony Electronics Inc.
1 Sony Drive
Park Ridge, NJ 07656
sony.com/projectors

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