



# enduring quality the world's brightest 3LCD laser projector

The VPL-FHZ700L is our brightest ever 3LCD laser projector. Perfect for education, business and public sector settings, it combines a powerful, laser light source with Sony's advanced BrightEra™ 3LCD technology to deliver outstanding performance and durability.

## 7,000 lumens of white and colour brightness

Achieving a high 7,000 lumens of white and colour brightness, the VPL-FHZ700L projects crisp, clear, high contrast WUXGA images at more than Full HD resolution (1920 x 1200). Colours are rich and natural and picture stability is exceptional.

## 20,000 hours durability

Along with outstanding performance comes stamina and reliability. The VPL-FHZ700L offers up to 20,000 hours\* of maintenance-free operation, representing a substantially lower total cost of ownership than any conventional lamp projector.

\*Actual hours may vary depending on usage and environment



## Key features

**7,000 lumens of white and colour brightness** and 20,000 hours\* continuous operation

**Reduced downtime and low TCO** efficient, long-life LCD panel for increased durability

**Advanced energy-saving features** Auto Dimming mode and many more

**Virtually instantaneous on/off** with no warming up or cooling down time

**Flexible installation** position anywhere with angle-free tilt adjustment

**Edge Blending** create a supersized screen with multiple projectors

\*Actual hours may vary depending on usage and environment



## Projection features

### **Edge Blending for super-sized displays**

This built in feature allows images from multiple projectors to be joined seamlessly, creating one, stunning super-sized projection.

### **Project onto non-flat surfaces with Image Warping**

Easily correct image geometry for natural-looking projections – even on convex or concave surfaces. Corner and edge correction can be adjusted easily with the supplied remote and on-screen menu.

### **Laser light source and Sony 3LCD BrightEra™ technology**

This unique and highly efficient combination delivers exceptionally bright pictures with excellent colour accuracy and stability.

### **7,000 lumens of white and colour brightness**

High impact 7,000 lumens of white and colour brightness for a clear, detail-packed WUXGA resolution image (1920 x 1200), higher than Full HD.

### **Up to 20,000\*\* hours operation**

Virtually zero maintenance and no filter cleaning for 20,000 hours. The advanced filter keeps the projector in peak condition, significantly reducing running costs compared to traditional lamp projectors. (Actual hours may vary depending on usage and environment)

### **Up to 8,000:1 contrast ratio**

A high dynamic contrast ratio of 8,000:1 ensures deep, black lowlights and bright, sparkling highlights for sharp definition that will take your presentations to the next level.

### **Hg (Mercury) Free**

With no lamp, there's no Mercury, so the laser light source is a more environmentally friendly solution.

\*\* with Light Dimming function activated



## Installation features

### 360% angle-free tilt

Position the projector freely, at any angle, on its side or even upside down. Install it where you need it, close to ceilings, near the screen or even horizontally offset.

### Wide Lens Shift, Zoom and Throw Ratio

Generous shift, zoom and throw lens adjustments give more flexibility for positioning the projector where you need it. (Actual horizontal and vertical shift depends on lens used - optional lenses available)

### HDBaseT™ – single cable system

Uses HDBaseT™ multi-signal installation system via a single cable. This cuts cabling costs as well as the need for extra signal extenders and receiver boxes. One Cat5e/6 cable runs up to 100m. (Optional board BKM-PJ10 needed for HDBaseT function)

## PrimeSupport

This projector comes supplied with a 5-year support pack when sold in the EU, Norway and Switzerland, which offers unique extra services and benefits:

- 5 year cover\*\*\*
- Free telephone helpdesk support in English, German, French, Italian and Spanish
- Collection and delivery anywhere in the EU, Norway and Switzerland

Prime  
Support

## Energy-saving features

### Auto Dimming Mode

After 10 seconds of static signal feed, the light source dims by approximately 15% (barely noticeable). If powered on while not in use, the light source dims to as low as 5% of original brightness.

### Auto Light Source Control

Brightness is automatically adjusted depending on the projected image to minimise power consumption. When showing darker images, the light source output decreases.

### Virtually instantaneous on/off,

Laser light source means there is no need to warm up or cool down any UHP lamps. The VPL-FHZ700L turns on and off virtually instantaneously with a push of the remote commander.

### Low power consumption with No Input

Automatically detects no signal and dims the light source to as low as 0% of original brightness.

### Constant brightness mode for stable projection\*\*\*\*

Maintain constant brightness for the expected 20,000 hours operational life for a consistent visual experience.

\*\*\* Subject to Hours on Optical Engine and laser light source will be applied

\*\*\*\* Constant Brightness feature will reduce brightness to approx 75% of original specified brightness





Ideal for:

- Universities (auditoriums / large classrooms)
- Corporate boardrooms
- Museums

Exceptional brightness for  
a clearer, crisper picture

## Specifications

		VPL-FH700L
Display system		3 LCD system
Display device	Size of effective display area	0.95" (24.1 mm) x 3 Aspect ratio: 16:10
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels
Projection lens	Zoom	Power/Manual (Depend on lens)
	Focus	Power/Manual (Depend on lens)
	Throw ratio	Power (Depend on lens)
	Light source - Type	Laser diode
	Screen size	40" to 600" (1.02 m to 15.24 m) (measured diagonally)
	Light output (Lamp Mode: High / Standard / Low)	7000lm / 5600lm / 3000lm
	Colour light output (Lamp Mode: High / Standard / Low)	7000lm / 5600lm / 3000lm
	Contrast ratio (full white / full black)	>8000:1
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz
	Vertical	47 kHz to 93 kHz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots *1
	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, 1080/24p
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Keystone correction		Vertical/Horizontal: +/- 30 degrees
OSD language		24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese (簡·繁), Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, Hungarian, Greek)
Computer and video signal input/output	INPUT A	RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	RGB input connector: Mini D-sub 15-pin (female)
	INPUT C	DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	INPUT D	HDMI input connector: HDMI 19-pin, HDCP support, Digital RGB / Y PB PR / Y CB CR
	INPUT E	Optional adaptor slot (For Digital Interface Adaptor BKM-PJ10)*2
	S-VIDEO IN	S-video input connector: Mini DIN 4-pin
	VIDEO IN	Video input connector: BNC
Control signal input/output	OUTPUT	Monitor output connector : Mini D-sub 15-pin (female)
	RS-232C connector	D-sub 9-pin (male)
	LAN connector	RJ45, 10BASE-T/100BASE-TX
	Control S input connector	Stereo mini jack, Plug in power DC 5 V
	Control S output connector	Stereo mini jack
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (35% to 85%; no condensation)
Storage temperature (Storage humidity)		-10°C to +60°C / -4°F to +140°F (10% to 90%; no condensation)
Power requirements		AC 100 V to 240 V, 5.0 A to 2.1 A, 50/60 Hz
Power consumption	AC 100 V to 120 V (High / Standard)	497 W / 404 W
	AC 220 V to 240 V (High / Standard)	476 W / 387 W
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120V:	12.2 W / 0.1 W
	AC 220 V to 240 V:	8.4 W / 0.5 W
Heat dissipation	AC 100 V to 120 V:	1696 BTU
	AC 220 V to 240 V	1624 BTU
Outside dimensions		W 530 x H 213 x D 545 mm (W 20 7/8 x H 8 3/8 x D 21 15/32 in) W 530 x H 204 x D 545 mm (W 20 7/8 x H 8 1/32 x D 21 15/32 in) (without protrusions)
Mass		22 kg / 47 lb
Supplied accessories		RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Cable ties (2), Cable tie holder (1), Screws of lens attachment (4), Lens gap cover (1), Quick Reference Manual (1), Security Label (1), Operating Instructions (CD-ROM) (1)
Optional Accessories		Optional Boards: BKM-PJ10 (HDBaseT), BKM-PJ20 (3G SDI input Adaptor)

Optional Lenses	
Model	Throw Ratio
VPLL-4045	6.08 - 10.52:1
VPLL-4025	3.30 - 6.11:1
VPL-Z4019	2.62 - 3.36:1
VPLL-Z4015	2.02 - 2.67:1
VPLL-Z4011	1.38 - 2.08:1
VPL-Z4007	0.68 - 0.8:1
VPLL-4008	1.08:1

\*1 Available for VESA Reduced Blanking signal.

\*2 HDBaseT 3play (Video, Control, Ethernet)

For full features visit: <https://www.pro.sony.eu/products/projectors-installation>

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