

# VPL-FHZ58

4,200 lumens WUXGA laser light source projector



## Overview

### **Superb image quality plus low running costs, minimal maintenance, flexible installation and low fan noise**

The VPL-FHZ58 laser projector is ideal for a wide range of business, education and entertainment applications. Teamed with our BrightEra 3LCD projection engine, the advanced Z-Phosphor laser light source ensures detail-packed WUXGA resolution images with a generous 4,200 lumens brightness and rich, stable colours. Building on the success of Sony's acclaimed first-generation laser projectors, advanced picture refinement technologies now assure even greater clarity and realism with any input source.

The laser light source allows up to 20,000 hours\* of virtually zero maintenance operation without the worry of sudden lamp failures. Constant Brightness Mode maintains the same on-screen light levels throughout the laser source's extra-long lifespan. An automated filter system cuts the hassle of regular dust cleaning. Near-zero maintenance needs are complemented by a range of energy-saving features, driving down total lifetime ownership costs even further.

With a stylish blend-in design, tidy cable management and ultra-low fan noise, the VPL-FHZ58 fits beautifully into almost any environment – from academic institutions, corporate, medical training and public sector organisations to visitor attractions and retail spaces. Seamlessly blend images from multiple projectors to create super-sized displays, or project accurately proportioned images onto angled or curved surfaces. Mount the projector at any angle, even on its side or upside down. Set-up is refreshingly easy with a friendly installation menu.

VPLFHZ58/W is a white model.

VPLFHZ58/B is a black model.

**Black and lensless models available in Europe; please check for local availability.**

\*Actual hours may vary depending on usage environment.

## Features

### **Very high image quality with Sony's advanced BrightEra 3LCD projection engine and Z-Phosphor laser light source**

The Z-Phosphor laser light source is coupled with Sony's acclaimed BrightEra 3LCD projection engine to ensure high 4,200 lumen image brightness with vivid, natural colour reproduction.

**Constant Brightness**

Constant Bright maintains the same brightness throughout the 20,000 hours recommended life span.

**Advanced picture refinement technologies**

Picture quality is boosted by advanced processing featured on Sony home cinema projectors. Reality Creation uses a powerful pattern-matching database to optimise every pixel. Contrast Enhancer actively analyses and refines dark and light image areas for sparkling highlights and rich, deep blacks.

**Crisp, detail-packed WUXGA resolution images**

See the finest detail in PC presentations, videos or multimedia signage with WUXGA (1920 x 1200) 16:10 resolution.

**Up to 20,000 hours\* operation with virtually no maintenance**

The advanced laser light source offers up to 20,000 hours\* operation without lamp exchange, reducing lifetime running costs compared with traditional projectors.

\*Actual hours may vary depending on usage environment.

**Hassle-free automatic filter cleaning**

Focus on great-looking images instead of arduous maintenance tasks: new automated filter cleaning system removes dust every 100 hours.

**Energy saving features**

Reduce running costs even further with convenient energy-saving features: Picture Mute and Auto Dimming.

**Save time with every presentation**

Quick power On/Off dramatically cuts warm-up time after switch-on before you can start presenting at full brightness.

**360° free-angle installation capability**

Enjoy greater installation flexibility: position the projector freely at any angle – or its side or even upside down.

**Powered Wide Lens Shift**

Generous lens shift adjustments give more flexibility for positioning the projector where you need it: close to ceilings or even horizontally offset.

**Included powered standard zoom lens plus wide choice of lens options**

Installation flexibility is increased by a wide range of compatible lens options to suit virtually any size of room and throw requirements. New quick-release bayonet mount simplifies quick lens exchange.

**Supports HDBaseT**

Simpler, more cost-effective installation and connectivity with digital transmission of HD video, audio and networking/control over a single Ethernet cable.

**Create super-size displays with Edge Blending**

Seamlessly join accurately colour-matched images from multiple projectors, simplifying creation of stunning super-size displays for corporate and education.

**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 easily adjusted with the supplied remote and on-screen menu.

**Quiet operation**

Low fan noise ensures discreet, unobtrusive operation in quiet environments from museums and galleries to lecture theatres.

**Slim, attractive new blend-in design**

The slim, stylish case design features a flat top surface that blends in discreetly when the projector is ceiling mounted. The clean appearance is accentuated by a new terminal cover that reduces cable clutter.

**Picture Mode**

New Picture Mode ensures great-looking pictures in any presentation conditions. Select Standard, Dynamic, Brightness Priority or Multi Screen mode for optimised image quality, with any source and in every room.

**Built-in Auto Calibration**

After extended periods, colour can be automatically calibrated to the original factory condition. There's no need for extra calibration equipment or cameras; a built-in colour sensor stores all the necessary information.

**Simple set-up with friendly new Installation menu**

Easily adjust projector settings with remote commander, including warping and edge blending.

**Project Side by Side**

Project images from two inputs at the same time: ideal for applications such as video conferencing and medical training where two images need to be seen simultaneously.

Specifications

Display system	
Display system	3 LCD system
Display device	
Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
Number of pixels	6,912,000 (1920 x 1200 x 3) pixels
Projection lens *1	
Focus	Powered
Zoom - Powered/Manual	Powered
Zoom - Ratio	Approx. x 1.6
Throw ratio	1.39:1 to 2.23:1
Lens shift - Powered/Manual	Powered
Lens shift - Range Vertical	-5%, +60%
Lens shift - Range Horizontal	+/- 32%
Light source	

Type	Laser diode
<b>Filter cleaning / replacement cycle (Max.)*2</b>	
Filter cleaning / replacement cycle (Max.)	20000 H (service maintenance)
<b>Screen size</b>	
Screen size	40" to 600" (1.02 m to 15.24 m) (measured diagonally)
<b>Light output</b>	
Mode: Standard	4200 lm
Mode: Middle	3000 lm
<b>Colour light output</b>	
Mode: Standard	4200 lm
Mode: Middle	3000 lm
<b>Contrast ratio (full white / full black) *3</b>	
Contrast ratio (full white / full black)	500000:1
<b>Displayable scanning frequency</b>	
Horizontal	15 kHz to 92 kHz
Vertical	48 Hz to 92 Hz
<b>Display resolution</b>	
Computer signal input	Maximum display resolution: 1920 x 1200 dots *4
Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p, 1080/24p
<b>Colour system</b>	
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60

**Keystone correction (Max.)**

Horizontal	+/- 30 degrees
Vertical	+/- 30 degrees

**INPUT OUTPUT (Computer/Video/Control)**

INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack
INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with INPUT A
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support
INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)
VIDEO IN	Video input connector: BNC Audio input connector: Shared with input A
OUTPUT A	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack
OUTPUT B	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack
REMOTE	D-sub 9-pin (male) / RS232C
LAN	RJ45, 10BASE-T/100BASE-TX
IR (Control S)	Stereo mini jack, Plug in power DC5V

**Acoustic Noise**

Lamp mode: Middle	28 dB
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**Operating temperature / Operating humidity**

Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)
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**Storage temperature / Storage humidity**

Storage temperature / Storage humidity	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)
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**Power requirements**

Power requirements	AC 100 V to 240 V, 4.5 A to 1.9 A, 50 Hz / 60 Hz
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**Power consumption**

AC 100 V to 120 V	Mode: Standard: 367 W
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AC 220 V to 240 V	Mode: Standard: 352 W
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**Power Consumption (Standby Mode)**

AC 100 V to 120 V	0.5W (when "Standby mode" is set to "Low")
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AC 220 V to 240 V	0.5W (when "Standby mode" is set to "Low")
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**Power Consumption (Networked Standby Mode)**

AC 100 V to 120 V	15.0 W (LAN) 19.4 W (HDBaseT) 19.4 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
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AC 220 V to 240 V	13.3 W (LAN) 17.4 W (HDBaseT) 17.4 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
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**Standby Mode / Networked Standby Mode Activated**

Standby Mode / Networked Standby Mode Activated	Approx. 10 Minutes
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**Heat dissipation**

AC 100 V to 120 V	1252 BTU/h
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AC 220 V to 240 V	1201 BTU/h
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**Dimensions (W x H x D)**

Dimensions (W x H x D) (without protrusions)	460 x 169 x 515 mm 18 1/8 x 6 21/32 x 20 9/32 inches
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**Mass**

Mass	16 kg (34 lb)
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**Supplied accessories**

Remote commander	RM-PJ27
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### Optional accessories

Projection Lens	VPLL-3003 / 3007 / Z3009 / Z3010 / Z3024 / Z3032
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### Notes

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| *1 | With supplied standard lens   |
| *2 | This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. |
| *3 | The value is average.   |
| *4 | Available for VESA Reduced Blanking signal.   |

## Gallery





