

SONY

VPL-FHZ85/FHZ80

3LCD Laser projectors



The industry's smallest, lightest,
8,000 lm* projectors** with robust features.

WUXGA

FHZ85 : 8,000lm (Center) 7,300lm

FHZ80 : 6,500lm (Center) 6,000lm



BrightEra™
Long Lasting Optics

Z-Phosphor
LASER LIGHT SOURCE

HDBT™

pro.sony/projectors



* VPL-FHZ85 ** As of August 2021 (according to Sony research), in 3LCD laser projectors of 8,000 lm center brightness

Sophistical spatial design and installation flexibility

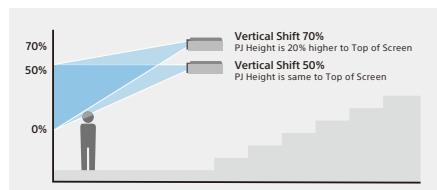
Smallest*, lightest* in its class with attractive blend-in design

Slim, stylish case design features a flat top surface that blends in discreetly when the projector is ceiling mounted.

*As of August 2021 (according to Sony research), in 3LCD laser projectors

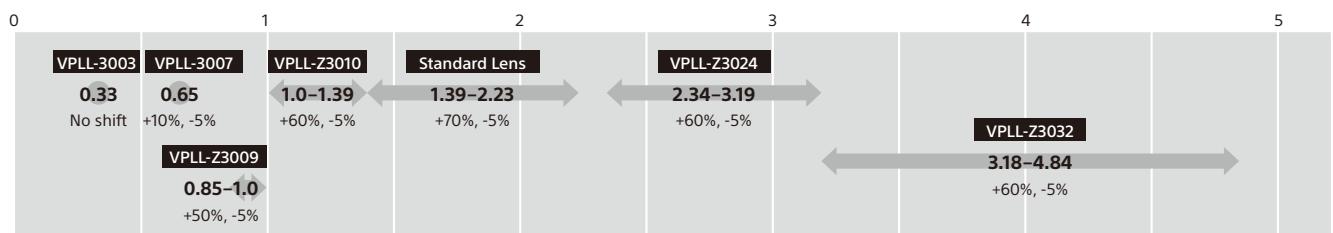
Wide Lens Shift

Very wide lens shift capability of vertical + 70%



The projector has variety of lens options and wide lens shift capability for flexible installation, virtually anywhere.

Optional Lenses - throw ratio and vertical lens shift chart

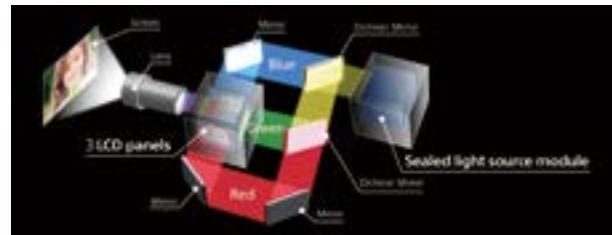
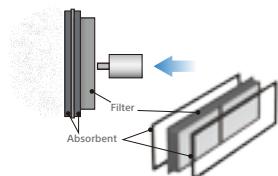
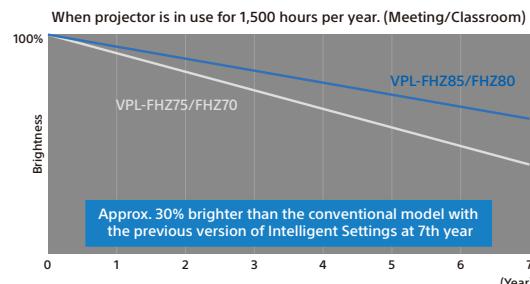


Extended brightness

Intelligent Settings

The Intelligent Settings function simplifies installation and maximizes performance based on usage, image detail, color richness, color fidelity, light output, cooling level and output noise.

In addition, the Meeting/Classroom setting controls the laser output to maximize brightness levels based on actual usage times and operation frequency.



Other Features

Data Cloning

Any settings made for one projector can be copied to the second and subsequent projectors using a USB memory drive. This greatly simplifies installation and set up of multiple projectors.

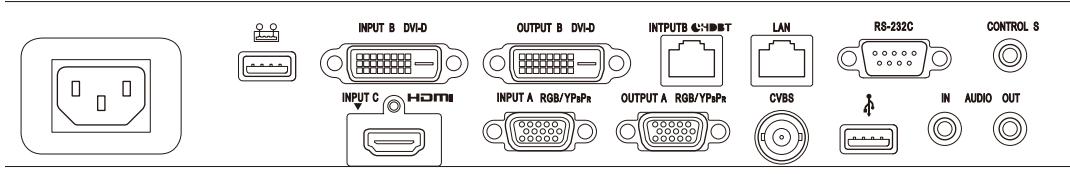
Auto Input Select

The Auto Input Select feature automatically selects a wide input signal, so there's no need to change the input each time a device is connected to the projector.

Auto Power on

When connected to a computer, the projector's power turns on automatically, without having to operate the power button.

Connector Panels

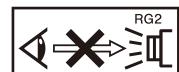


Specifications

	VPL-FHZ85	VPL-FHZ80
<u>Display system</u>	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*	Zoom Powered (Approx. x 1.6) Focus Powered Lens shift Powered, Vertical: -5%, +70%, Horizontal: +/-32% Throw ratio 1.39:1 to 2.23:1	
Light source	Laser diode	
Screen size	40" to 600" (1.02 m to 15.24 m) (measured diagonally)	
Light output (Mode: Standard / Middle)	7,300 lm* ² , 8,000 lm (Center)* ³ / 5,840 lm	6,000 lm* ² , 6,500 lm (Center)* ³ / 4,800 lm
Color light output (Mode: Standard / Middle)	7,300 lm / 5,840 lm	6,000 lm / 4,800 lm
Time until light output declines to 50 %*	20,000 hours (Standard) / 30,000 hours (Middle)	
Contrast ratio* ⁵ (full white / full black)	∞:1	
Displayable scanning frequency	Horizontal 15kHz to 93kHz Vertical 23Hz to 63Hz	
Display resolution	Computer signal input Maximum display resolution: 1920 x 1200 dots* ⁶ 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, 3840/60p, 3840/30p, 3840/25p, 3840/24p, 4096/30p, 4096/25p, 4096/24p	
Keystone correction (Max.)	Vertical: +/- 30 degrees Horizontal: +/- 30 degrees	
Input / Output (Computer / Video / Audio / 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 DC 5 V USB TYPE-A (for F/W update), TYPE-A (for Power supply)	
Acoustic noise (Mode: Standard / Middle)	38 dB / 36 dB	36 dB / 34 dB
Operating temperature (Operating humidity)	0°C to 45°C (32°F to 109°F) / 20% to 80% (no condensation)	
Storage temperature (Storage humidity)	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)	
Power requirements	AC 100 V to 240 V, 5.1 A to 2.2 A, 50 Hz / 60 Hz	
Power consumption (Mode: Standard / Middle)	AC 100 V to 120 V 506 W / 384 W AC 220 V to 240 V 474 W / 363 W	397 W / 288 W 378 W / 278 W
Power consumption (Standby mode)	AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") AC 220 V to 240 V 0.5 W (when "Standby mode" is set to "Low")	
Power consumption (Networked Standby mode)	AC 100 V to 120 V 9.8 W (LAN) / 10.6 W (HDBaseT) / 10.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard") AC 220 V to 240 V 10.9 W (LAN) / 11.6 W (HDBaseT) / 11.6 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
Outside dimensions	Approx. W 460 x H 169 x D 494 mm (W 18 1/8 x H 6 3/4 x D 19 1/2 in) (without protrusions)	
Mass	Approx. 13 kg (29 lb)	Approx. 13 kg (28 lb)
Optional accessories	Projection lenses VPLL-3003 / 3007 / Z3009 / Z3010 / Z3024 / Z3032	

*1 With supplied standard lens *2 The value is in accordance with ISO 21118, and may differ depending on the actual unit. Brightness and contrast vary depending on use conditions and environments. *3 The value is light output measured at center area of screen in Standard mode, and average of all products shipped. *4 Estimated time until light output declines to 50 % varies depending on environment. *5 The figures are approximate. They vary depending on the environment or how the projector is used. *6 Available for VESA Reduced Blanking signal.

IEC 60825-1:2014 CLASS 1 LASER PRODUCT



As with any bright light source,
do not stare into the beam,
RG2 IEC 62471-5:2015.

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