

## VPL-FHZ101L

10,000 lumens laser light source projector (color availability may vary by country)



### Overview

**Combining spectacular image quality with easy set-up and minimal maintenance needs, these high-brightness 3LCD laser projectors are ideal for installation in larger spaces.**

Captivate your audience in conference halls, lecture theaters, galleries, museums, visitor attractions and other large spaces. A high light output of 10,000 lumens ensures big-screen presentations with extra presence, even in brightly lit rooms.

Impressive picture quality is boosted by Sony's unique super resolution Reality Creation technology. This uses a powerful pattern-matching database to optimize lower-resolution images, enhancing clarity without increasing digital picture noise.

Save time with Sony's Intelligent Setting function that simplifies installation with pre-sets to optimize brightness, cooling, color and other projector settings. You'll be rewarded with great pictures in every environment.

You'll appreciate an industry-leading lens shift adjustment range and a wide choice of interchangeable lenses, giving more options to install the projector in any space, including classrooms and halls with high ceilings. For extra flexibility the VPLL-Z4107 short-throw lens is

ideal when positioning the projector close to the screen to avoid ceiling-mounted obstructions.

## Features

### **Reduced maintenance**

The laser light source offers up to 20,000 hours\* of operation without lamp exchange, reducing maintenance needs compared with traditional projectors.

*\* Depending on usage environment.*

### **Consistent brightness**

Experience consistent image brightness throughout the laser light source's 20,000 hours recommended lifespan.

### **Networked control and monitoring**

Ideal for integration in AV environments with leading control, monitoring, and management systems such as Crestron Connected™ and Extron® XTP™ Systems.\*

*\* Extron and XTP Systems are trademarks of RGB Systems Inc.*

### **Easy edge blending**

Seamlessly join color-matched images from multiple projectors for stunning super-size displays in corporate and education environments.

### **Versatile lens options**

There's a wide range of lens options to suit virtually any size of room and throw requirements. Quick-release bayonet mount simplifies lens exchange.

### **Generous lens shift range**

Enjoy greater flexibility to position the projector in restricted spaces, ensuring that audience and presenters aren't distracted by the light source.

## Lens position memory

Memorize and recall up to six settings for projected image size, position and aspect ratio, saving time in different environments. (Requires optional VPLL-Z4111 lens)

## Stylish blend-in design

The slim, stylish body features a flat top surface that blends discreetly into any space when the projector is ceiling mounted.

## Specifications

### Display system

Display system	3 LCD system
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### Display device

Size of effective display area	1" x 3 BrightEra LCD Panel, Aspect ratio: 16:10
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Number of pixels	6,912,000 (1920 x 1200 x 3) pixels
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Aspect ratio	16:10
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Resolution	WUXGA (1920 x 1200 pixels)
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### Projection lens

Focus	Powered/Manual(Depend on lens)
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Zoom - Powered/Manual	Powered/Manual(Depend on lens)
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Zoom - Ratio	Depend on Lens
Throw ratio	Depend on Lens
Lens shift - Powered/Manual	Powered
Lens shift - Range Vertical/Horizontal	Range Vertical: Depends on the lens Range Horizontal: Depends on the lens
<b>Light source</b>	
Type	Laser diode
<b>Filter replacement cycle (Max.)</b>	
Filter replacement cycle (Max.)	10,000 H (service maintenance)
<b>Screen size</b>	
Screen size	Depend on Lens
<b>Light output *1</b>	
Mode: Standard	10,000 lm*2
Mode: Standard (Center)	10,400 lm*3
Mode: Middle	8,800 lm
Mode: Low	7,700 lm

## Color light output \*1

Mode: Standard	10,000 lm
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Mode: Middle	8,800 lm
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Mode: Low	7,700 lm
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## Contrast ratio \*1

Contrast ratio (full white / full black)	Contrast ratio (full white/full black): $\infty$ : 1
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## Displayable scanning frequency

Horizontal	15 kHz to 92 kHz
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Vertical	48 Hz to 92 Hz
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## Accepted signal resolution

Computer signal input	Maximum signal resolution: 1920 x 1200
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Video signal input	<p>480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i</p> <p>The following items are available for digital signal only: 1080/60p, 1080/50p, 1080/24p, 1080/30p*4</p>
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## Keystone correction (Max.)

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

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## INPUT OUTPUT (Computer/Video/Audio/Control)

INPUT A	RGB / Y PB PR input connector: 5 BNC (female)
INPUT B	RGB input connector: Mini D-sub 15-pin (female)
INPUT C	DVI input connector: DVI-D 24-pin (single link), HDCP support HDCP: v1.4
INPUT D	HDMI input connector: HDMI 19-pin, HDCP support HDCP: v1.4
INPUT E	HDBaseT interface connector: RJ45, 3 play
INPUT F	Optional adaptor slot for 3G-SDI Input Adaptor (BKM-PJ20)
INPUT G	HTML Viewer
OUTPUT 1	Monitor output for Input A/Input B Connector: Mini D-sub 15-pin (female)
USB-1	Type-A x 1
USB-2	Type-B x 1 (for service)
REMOTE	D-sub9pin male/RS232C

LAN	RJ45, 10BASE-T/100BASE-TX/1000BASE-T
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## Acoustic Noise\*1

Light output mode: Standard	39 dB
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Light output mode: Middle	39 dB
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## Operating temperature / Operating humidity

Operating temperature / Operating humidity	0°C to 45°C (32°F to 109°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, 8.4 A to 3.4 A, 50 Hz/60 Hz
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## Power consumption

AC 100 V to 120 V	840 W
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AC 220 V to 240 V    814 W

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## Power Consumption (Standby Mode)

AC 100 V to 120 V    0.50 W (when "Standby mode" is set to "Low")

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AC 220 V to 240 V    0.50 W (when "Standby mode" is set to "Low")

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## Power Consumption (Networked Standby Mode)

AC 100 V to 120 V    21.6 W (LAN)  
26.5 W (HDBT)  
26.6 W (ALL terminals and networks connected, when "Standby mode" is set to "Standard")

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AC 220 V to 240 V    21.3 W (LAN)  
26.5 W (HDBT)  
26.6 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. 2 Minutes

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## Heat dissipation

AC 100 V to 120 V    2,866 BTU/h

AC 220 V to 240 V    2,777 BTU/h

## Dimensions (W x H x D) (without protrusions)

Dimensions (W x H x D) (without protrusions)    Approx. 21 13/32 x 8 1/16 x 22 7/32 inches (544 x 205 x 564 mm)

## Mass

Mass    Approx. 58 lb (26 kg)

## Supplied accessories

Remote commander    RM-PJ30

## Projection Lens

Projection Lens    VPLL-Z4107, 4008, Z4111, Z4015, Z4019, Z4025, Z4045

## Optional Projection Lens

VPLL-Z4107    Throw ratio: 0:75:1 to 0:94:1  
Lens Shift — Range Vertical: +/-50%  
Lens Shift — Range

	Horizontal: +/-24%
VPLL-4008	Throw Ratio: 1:00:1 Lens Shift - Range Vertical: +/-32% Lens Shift - Range Horizontal: +/-15%
VPLL-Z4111	Throw ratio: 1:30:1 to 1:96:1 Lens Shift — Range Vertical: +/-99% Lens Shift — Range Horizontal: +/-51%
VPLL-Z4015	Throw Ratio: 1:85:1 to 2:44:1 Lens Shift - Range Vertical: +/-98% Lens Shift - Range Horizontal: +/-51%
VPLL-Z4019	Throw ratio: 2:41:1 to 3:07:1 Lens Shift — Range Vertical: +/-107% Lens Shift — Range Horizontal: +/-57%
VPLL-Z4025	Throw ratio: 3:02 AM:1 to 5:58 AM:1 Lens Shift — Range Vertical: +/-107% Lens Shift — Range Horizontal: +/-57%
VPLL-Z4045	Throw ratio: 5.56:1 to 7.5:1 Lens Shift — Range Vertical: +/-107% Lens Shift — Range Horizontal: +/-57%

## Notes

*1	The figures are approximate. They vary depending on the environment or how the projector is used.
*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	When using BKM-PJ20

## Gallery

