SONY

VPL-E200 Series

Data Projectors

VPL-EW295   VPL-EW255   VPL-EW235
VPL-EX295   VPL-EX290
VPL-EX255   VPL-EX250
VPL-EX235   VPL-EX230

3LCD   BrightEra™   HDMI

Bring learning to life with this bright, energy-efficient, wireless-ready portable projector designed in consultation with teachers and made for today's classrooms

Combining superb image quality with smart energy-saving features, the VPL-E200 Series portable projector enhances learning by delivering powerful presentations that really stand out. Simple to use and wireless-ready, this projector is ideal for maximizing student engagement in today's networked classrooms, making it your ideal partner throughout the busy school day. Sony BrightEra™ panel technology assures clear pictures in any conditions, from daylight to darkened classrooms. Plenty of interfaces allow easy connection, while the choice of picture modes can optimize viewing with any source – slide presentations, PC document, pictures, videos (and more) web-sites, and more. Adding an optional USB wireless LAN module lets students and teachers wirelessly share homework, images, and graphics from mobile devices like smartphones and tablets. There's a wide built-in range of smart energy-saving features and, with a recommended lamp replacement time of 10,000 hours, downtime and maintenance costs are minimized.

FEATURES

Good TCO, Energy-efficient Design

Energy Efficient With Long-Lasting Lamp Replacement Time (10,000 hours)

The lamp driver optimally controls the wattage of the lamp and achieves a long-lasting lamp replacement time of 10,000 hours with lamp brightness set to low. This extends the lamp replacement time by more than 43% compared with the previous model.

VPL-EW295

VPL-EW276

43% up
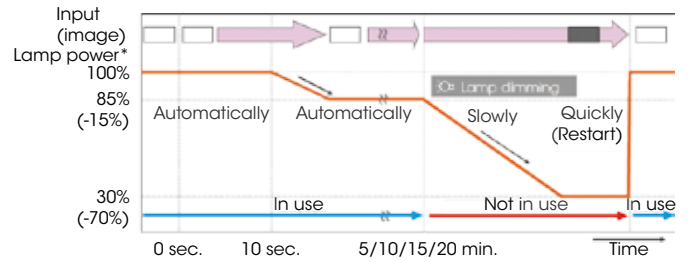
Conventional model

Recommended lamp replacement time**
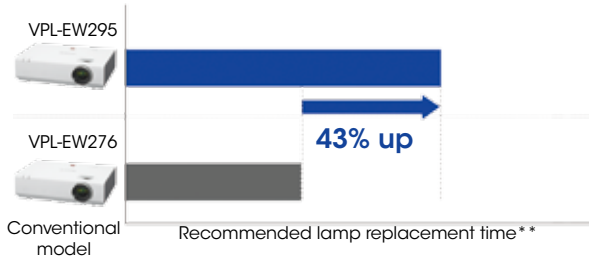
Lamp mode: low
Complies with IEC61947 standard

*Usage condition example : 8 hours per day x 5 times per week x 5 years
**The figures are the expected maintenance time and not guaranteed
   They will depend on the environment or how the projector is used

Auto Power Saving Function

Auto Mode (Auto Brightness Adjustment Function)

The brightness of the lamp's output is automatically adjusted depending on the brightness of the projected image, to avoid unnecessary power consumption. When showing darker images that don't require high brightness, lamp output decreases.

Lamp drive
High
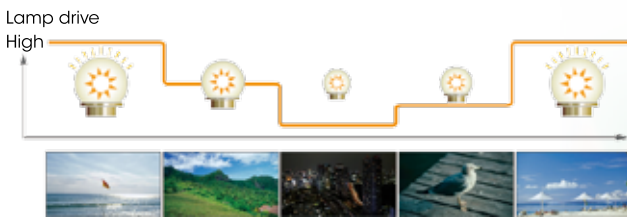
Blank

The VPL-E200 Series projectors can temporarily disable video signal output. This function can be easily operated with just the touch of a button on the supplied Remote Commander™ unit. In addition, this function allows blank image projection with low power consumption using lamp control technology.

Lamp Drive

Normal condition (100%)

Lamp Dimming Function

The VPL-E200 Series projectors are equipped with a lamp dimming function. After 10 seconds of a static signal feed, the lamp dims by approximate 15% which is hardly noticeable. If one of these projectors is left powered on while not in use, after a set period of time it will automatically detect no change of signal input and will dim the lamp to as low as approximate 30% of original brightness to significantly reduce energy consumption.

Input (image)
Lamp power*
100%
85% (-15%)
Automatically   Automatically   Slowly   Quickly (Restart)
Lamp dimming
30% (-70%)
In use   Not in use   In use
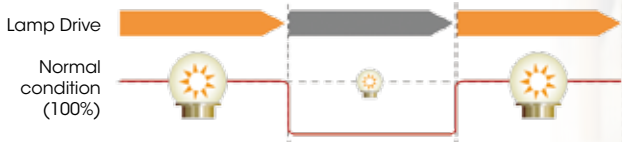0 sec.   10 sec.   5/10/15/20 min.   Time

ECO MODE Key

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

High Image Quality

3LCD BrightEra™ Natural and Vivid Color Images

Thanks to the optical system constantly projecting three basic colors, the projector offers excellent light efficiency and this, ensures colorful and bright images. Sony's BrightEra™ panels deliver improved panel light resistance, higher resolution, high brightness, and increased panel reliability. High color reproducibility is important especially when using colorful content, such as materials typically used in classrooms.
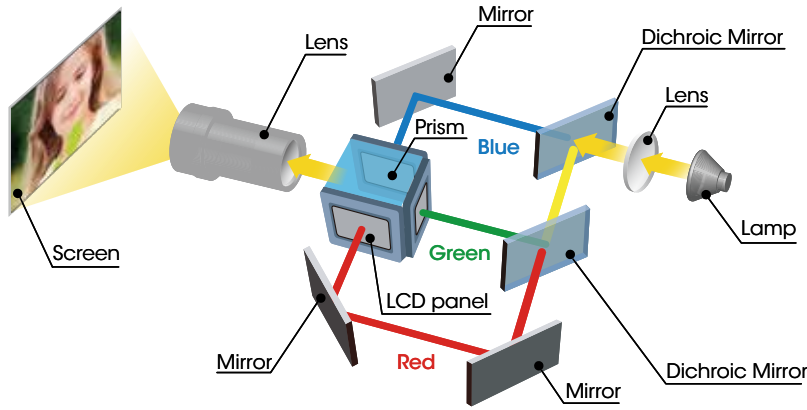
3LCD Projection System

Various Picture Modes for Optimal Picture Quality

The projector has six available picture modes for correct picture quality: Dynamic, Standard, Presentation, Blackboard, Game, and Cinema. With six picture modes and three brightness modes combined, the user can select the most suitable picture / brightness combination according to the picture source and environment, to create the optimal image.

Dynamic

Optimized for presenting in a bright environment, with bright and colorful text, graphics, and images.

Standard

The picture is ideal to deliver a presentation under fluorescent lights in offices and class-rooms.

Presentation

This setting delivers the greatest light output, ideal in a bright environment, both inside and outside.

Blackboard

Optimized to deliver clear images on a blackboard in the classroom, supporting teaching where there is no projection screen.

Game
Ideal to enjoy games in a living room with lots of ambient light.

Cinema
Fine tuned to enjoy movies in a room with indirect lights

Ease of Use

Network Presentation (LAN)

When the projector is installed in a LAN, presentations can be projected from any PC and Mac on the network. A tablet or smart phone can be connected at the same time. You can project jpg, pdf, and other supported formats. Up to four users can project PC / Mac images simultaneously, while up to eight[*1] users can connect to one projector.
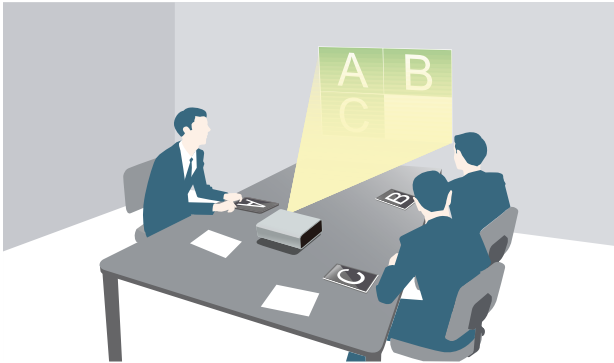
Wireless Presentation Software

For MS Windows / Mac OS: Projector Station for Network Presentation
For iOS / Android OS: VueMagic[*2]

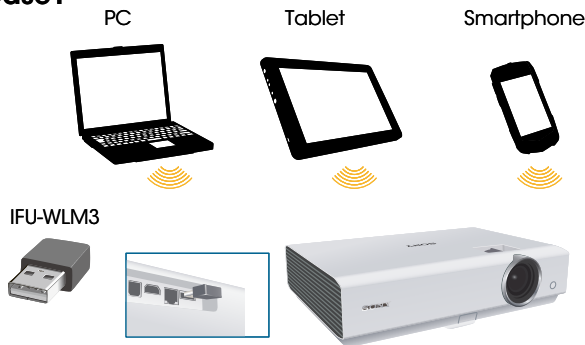*1 Up to seven users for wireless.

*2 The application for tablets and smartphones is provided by Pixelworks.
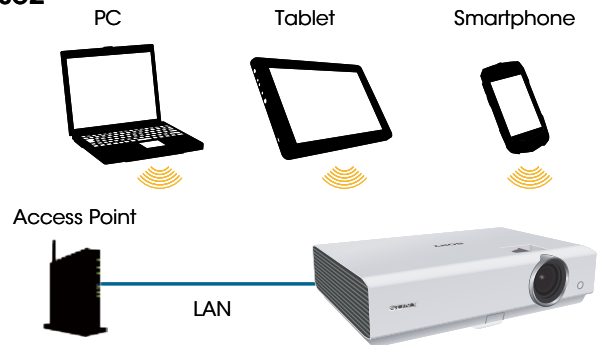 For details, please visit the following website:
  http://PWPresenter.pixelworks.com

VueMagic

Case1

PC   Tablet   Smartphone

IFU-WLM3

For wireless connection, the IFU-WLM3 is required.

Case2

PC   Tablet   Smartphone

Access Point

LAN

Remote Control for iPhone/iPad

Projector Remote is a simple remote control application for Sony's projectors. Networked projectors can be controlled by this remote application, and remote control allows you to operate the projector using simple and easy-to-read buttons.

* Projector Remote Application
  Scan the QR code. Download FREE today.

Projector Remote

USB Display

The projector allows you to display pictures and audio* with one USB cable. You do not need to install any driver for this function. This is a convenient and very easy way to connect to the projector.

* There is a time lag in video and audio. Beyond basic usage, Line-in or HDMI-in is recommended.

Input Label

Input label which appear in the input menu on screen can be customized. This gives users a clear understanding of which equipment is connected.

Input
- BD Player
- Doc Camera
- Set Top Box
- PC

Other Features

Closed Captioning

Official teletext broadcasting, developed by the NCI, USA

Network and Control

Controls and monitors projector status
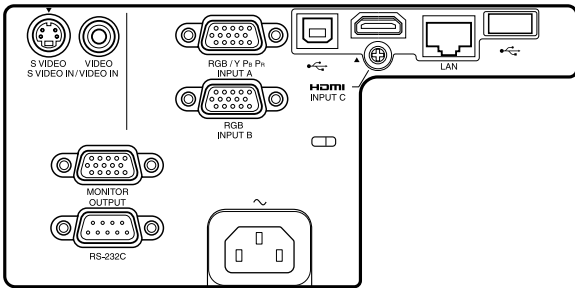Compatible with various control systems

CRESTRON
CERTIFIED INTEGRATED PARTNER

AMX

PJLink™

CONNECTOR PANELS

VPL-EW295 / VPL-EW255 / VPL-EW235
VPL-EX295 / VPL-EX255 / VPL-EX235
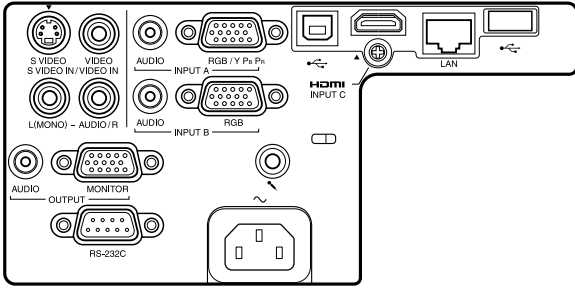
VPL-EX290 / VPL-EX250 / VPL-EX230

OPTIONAL ACCESSORIES

LMP-E212
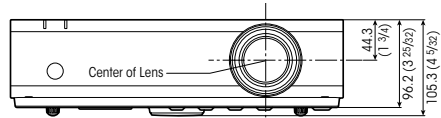Projector Lamp (for replacement)
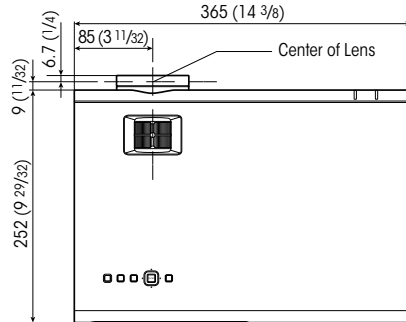

IFU-WLM3
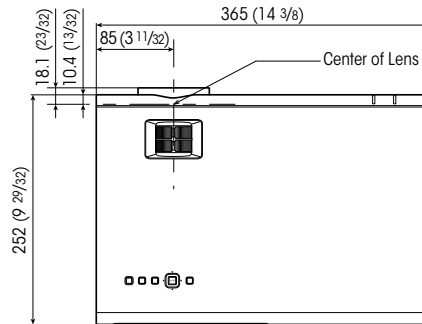USB wireless LAN module
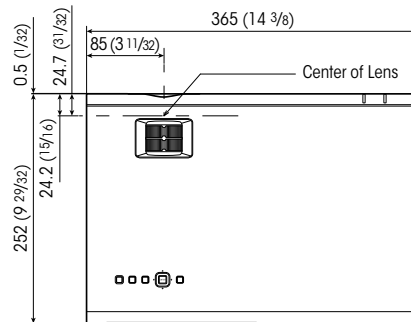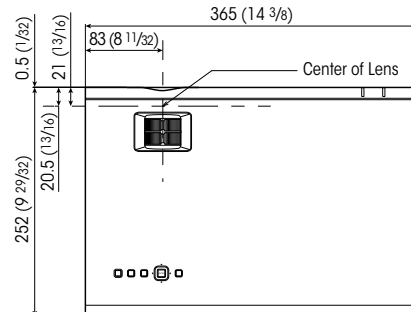
DIMENSIONS

Unit: mm (inches)

Front

Top

VPL-EW295

VPL-EW255 / VPL-EX295 / VPL-EX290 / VPL-EX255

VPL-EW235 / VPL-EX250 / VPL-EX235

VPL-EX230

SPECIFICATIONS

		VPL-EW295	VPL-EW255	VPL-EW235	VPL-EX295	VPL-EX255	VPL-EX235
Display system		3 LCD system					
Display device	Size of effective display area	0.75″ (19 mm) x 3 BrightEra Aspect ratio: 16:10	0.59″ (15 mm) x 3 BrightEra Aspect ratio: 16:10		0.63″ (16 mm) x 3 BrightEra Aspect ratio: 4:3		
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels			2,359,296 (1024 x 768 x 3) pixels		
Projection lens	Zoom	Optical: Manual (Approx. x 1.6)		Optical: Manual (Approx. x 1.3)	Optical: Manual (Approx. x 1.6)		Optical: Manual (Approx. x 1.3)
	Focus	Manual					
	Throw ratio	1.10:1 to 1.79:1	1.40:1 to 2.27:1	1.37:1 to 1.80:1	1.40:1 to 2.27:1		1.37:1 to 1.80:1
Light source		Ultra high pressure mercury lamp 210 W type					
Recommended lamp replacement time*1		4000H / 6000H / 10000H (Lamp mode: High / Standard / Low)				3000H / 5000H / 10000H (Lamp mode: High / Standard / Low)	
Filter cleaning cycle*1		Max. 7000 H					
Screen size		30″ to 300″ (0.76 m to 7.62 m)					
Light output (Lamp mode: High / Standard / Low)		3800 lm / 2800 lm*2 / 2100 lm*2	3200 lm / 2000 lm*2 / 1600 lm*2	2700 lm / 1900 lm*2 / 1500 lm*2	3800 lm / 2700 lm*2 / 2100 lm*2	3300 lm / 2200 lm*2 / 1700 lm*2	2800 lm / 2100 lm*2 / 1600 lm*2
Color light output (Lamp mode: High / Standard / Low)		3800 lm / 2800 lm*2 / 2100 lm*2	3200 lm / 2000 lm*2 / 1600 lm*2	2700 lm / 1900 lm*2 / 1500 lm*2	3800 lm / 2700 lm*2 / 2100 lm*2	3300 lm / 2200 lm*2 / 1700 lm*2	2800 lm / 2100 lm*2 / 1600 lm*2
Contrast ratio (full white / full black)*3		3700:1	2700:1		3300:1		
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz					
	Vertical	47 Hz to 93 Hz					
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*4					
		Panel display resolution: 1280 x 800 dots			Panel display resolution: 1024 x 768 dots		
	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					
Keystone correction		Vertical: Max. +/- 20 degrees			Vertical: Max. +/- 30 degrees		
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)					
Computer and video signal input/output	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack					
	INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack					
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support					
	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 (female), Audio output connector*6: Stereo mini jack (variable out)					
Control signal input/output, Others		RS-232C connector: D-sub 9-pin (male) LAN connector: RJ-45, 10BASE-T/100BASE-TX USB: Type-A, Type-B Microphone input: Mini jack					
Speaker		16 W x 1 (monaural)					
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (35% to 85%; no condensation)					
Storage temperature (Storage humidity)		-20°C to +60°C / -4°F to +140°F (10% to 90%)					
Power requirements		AC 100 V to 240 V, 3.2 A to 1.4 A, 50 Hz / 60 Hz		AC 100 V to 240 V, 3.0 A to 1.3 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.2 A to 1.4 A, 50 Hz / 60 Hz		AC 100 V to 240 V, 3.0 A to 1.3 A, 50 Hz / 60 Hz
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	309 W / 250 W*2 / 219 W*2	314 W / 250 W*2 / 219 W*2	289 W / 250 W*2 / 219 W*2	310 W / 250 W*2 / 219 W*2	314 W / 250 W*2 / 219 W*2	297 W / 250 W*2 / 219 W*2
	AC 220 V to 240 V	298 W / 240 W*2 / 212 W*2	301 W / 240 W*2 / 212 W*2	278 W / 240 W*2 / 212 W*2	299 W / 240 W*2 / 212 W*2	301 W / 240 W*2 / 212 W*2	286 W / 240 W*2 / 212 W*2
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120 V	4.9 W / 0.5 W					
	AC 220 V to 240 V	5.1 W / 0.5 W					
Heat dissipation	AC 100 V to 120 V	1054 BTU	1071 BTU	986 BTU	1058 BTU	1071 BTU	1013 BTU
	AC 220 V to 240 V	1017 BTU	1027 BTU	949 BTU	1020 BTU	1027 BTU	976 BTU
Outside dimensions		W 365 x H 96.2 x D 252 mm (W 14 3/8 x H 3 25/32 x D 9 29/32 inches) (without protrusions)					
Mass		4.1 kg / 9 lb	3.9 kg / 8 lb	3.9 kg / 8 lb	4 kg / 8 lb		3.9 kg / 8 lb
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Projector Station for Network Presentation application (CD-ROM) (1)					
Replacement lamp		LMP-E212					

*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 values are estimate.
*3 This value is average.
*4 Available for the VESA Reduced Blanking signal.
*5 Not available in standby. From INPUT A and INPUT B.
*6 Works as an audio switcher function. Output from a selected channel; not available in standby.

SPECIFICATIONS

		VPL-EX290	VPL-EX250	VPL-EX230
Display system		3 LCD system		
Display device	Size of effective display area	0.63" (16 mm) x 3 BrightEra Aspect ratio: 4:3		
	Number of pixels	2,359,296 (1024 x 768 x 3) pixels		
Projection lens	Zoom	Optical: Manual (Approx. x 1.6)	Optical: Manual (Approx. x 1.3)	Optical: Manual (Approx. x 1.2)
	Focus	Manual		
	Throw ratio	1.40:1 to 2.27:1	1.37:1 to 1.80:1	1.47:1 to 1.77:1
Light source		Ultra high pressure mercury lamp 210 W type		
Recommended lamp replacement time*1		4000H / 6000H / 10000H (Lamp mode: High / Standard / Low)	3000H / 5000H / 10000H (Lamp mode: High / Standard / Low)	
Filter cleaning cycle*1		Max. 7000 H		
Screen size		30" to 300" (0.76 m to 7.62 m)		
Light output (Lamp mode: High / Standard / Low)		3800 lm / 2700 lm*2 / 2100 lm*2	3300 lm / 2200 lm*2 / 1700 lm*2	2800 lm / 2100 lm*2 / 1600 lm*2
Color light output (Lamp mode: High / Standard / Low)		3800 lm / 2700 lm*2 / 2100 lm*2	3300 lm / 2200 lm*2 / 1700 lm*2	2800 lm / 2100 lm*2 / 1600 lm*2
Contrast ratio (full white / full black)*3		3300:1		
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz		
	Vertical	47 Hz to 93 Hz		
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots*4		
		Panel display resolution: 1024 x 768 dots		
	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		
Keystone correction		Vertical: Max. +/- 30 degrees		
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		
Computer and video signal input/output	INPUT A	RGB / Y P$_B$ P$_R$ input connector: Mini D-sub 15-pin (female)		
	INPUT B	RGB input connector: Mini D-sub 15-pin (female)		
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support		
	S VIDEO IN	S video input connector: Mini DIN 4-pin		
	VIDEO IN	Video input connector: Pin jack		
	OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female)		
Control signal input/output, Others		RS-232C connector: D-sub 9-pin (male) LAN connector: RJ-45, 10BASE-T/100BASE-TX USB: Type-A, Type-B		
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (35% to 85%; no condensation)		
Storage temperature (Storage humidity)		-20°C to +60°C / -4°F to +140°F (10% to 90%)		
Power requirements		AC 100 V to 240 V, 2.8 A to 1.2 A, 50 Hz / 60 Hz		
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	278 W / 220 W* / 189*	277 W / 220 W* / 189*	272 W / 220 W* / 189*
	AC 220 V to 240 V	269 W / 210 W* / 183*	269 W / 210 W* / 183*	261 W / 210 W* / 183*
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120 V	4.9 W / 0.5 W		
	AC 220 V to 240 V	5.1 W / 0.5 W		
Heat dissipation	AC 100 V to 120 V	949 BTU	945 BTU	928 BTU
	AC 220 V to 240 V	918 BTU	918 BTU	891 BTU
Outside dimensions		W 365 x H 96.2 x D 252 mm (W 14 3/8 x H 3 25/32 x D 9 29/32 inches) (without protrusions)		
Mass		3.8 kg / 8 lb		
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Mini D-sub 15-pin cable (1), Projector Station for Network Presentation application (CD-ROM) (1)		
Replacement lamp		LMP-E212		

*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 values are estimate.
*3 This value is average.
*4 Available for the VESA Reduced Blanking signal.
*5 Not available in standby. From INPUT A and INPUT B.

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