VPL-E200 Series

Data Projectors

SONY
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VPL-EW276 **VPL-EW246** **VPL-EW226**
VPL-EX276 **VPL-EX272**
VPL-EX246 **VPL-EX242**
VPL-EX226 **VPL-EX222**

3LCD BrightEra™ HDMI

Good TCO, Energy-efficient Design and Operational Convenience

The VPL-E200 Series delivers a full range of brightness options to meet virtually any type of education or business projection environment

Sony's VPL-E200 Series data projectors are economically designed for optimum energy efficiency, thanks to their Auto Power Saving function with lamp control technology, energy saving design, and long-lasting lamp. Additionally a variety of network functions such as Web Control and Network Presentation can be performed. Rich inputs and outputs are provided, to suit a broad range of applications.
The VPL-EW276, VPL-EW246, and VPL-EW226 present clear and dynamic images in native WXGA resolution on a widescreen with high brightness (up to 3700 lumens) while the VPL-EX276, VPL-EX272, VPL-EX246, VPL-EX242, VPL-EX226, and VPL-EX222 provide high picture quality in native XGA resolution, also with up to 3700 lumens brightness.* Delivering superb images along with simple operation, Sony' s VPL-E200 Series projectors provide an excellent balance between quality and cost, ideal for use in education or business.

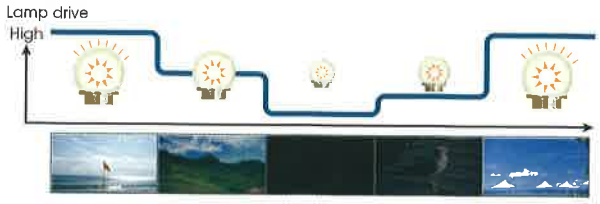
* VPL-EW276, VPL-EX276 & VPL-EX272: 3700 lumens; VPL-EX246 & VPL-EX242: 3200 lumens; VPL-EW246: 3100 lumens; VPL-EX226 & VPL-EX222: 2700 lumens; VPL- EW226: 2600 lumens.

FEATURES

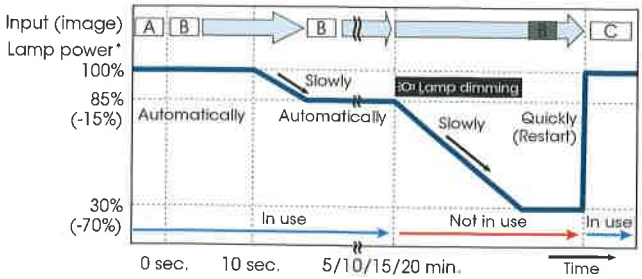
Good TCO, Energy-efficient Design

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.



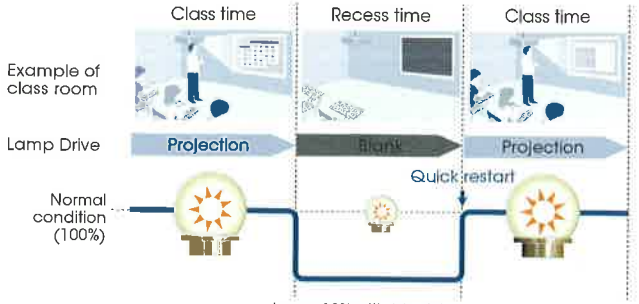
- **Lamp Dimming Function**
  The VPL-E200 Series projectors are equipped with a lamp dimming function. After 10 seconds of a static signal feed, the lamp dims by approximate 15% which is hardly noticeable. If one of these projectors is left powered on while not in use, after a set period of time it 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.



Lamp dimming scheme

* Lamp high mode. The values are approximate.

- **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 30% with blank image

The values are approximate.

Energy Saving design

The VPL-E200 Series projectors offer remarkably low power consumption, allowing users to make significant savings on their electricity expenses.

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.

Long-lasting Lamp

By incorporating a high-performance lamp and advanced lamp-control technology, the VPL-E200 Series projectors deliver an extremely long lamp replacement time of 7,000 hours.*

* Approximate recommended period, in low mode.

Lamp and Filter Synchronized Maintenance

The expected lamp maintenance time for each model can reach up to 7,000 hours depending on the selected lamp mode, and dust filters require the same maintenance interval. Synchronizing the timing of lamp and filter maintenance enables users to reduce the numbers of "ladder climbs" for maintenance.

A Variety of Network Functions – Via LAN Cable or Wirelessly

Web Control

When VPL-E200 Series projectors are installed in a local area network (LAN), their versatile network functions are available to any PC on that network.
Installation can be via a LAN cable, and there is no need to install additional software on the PC.

Network Presentation

When VPL-E200 Series projectors are installed on a LAN, presentations can be projected from any PC on the network – whether connected via a LAN cable or wirelessly.*1

*1 The optional IFU-WLM3 is required.

Up to four users can project PC images simultaneously; up to eight users*2 can connect to one projector.

*2 Up to seven users for wireless.

Tablet Device and Smart Phone Connection (wireless)

The wireless presentation capability makes it easy to present files from your tablet device or smart phone. You can project jpg, pdf, PowerPoint, and other supporting formats. This requires a simple software download.*

* The application is provided by Pixelworks and will be able to be downloaded from App. Store on the web. For details, please visit the following website.
http://PWPresenter.pixelworks.com

USB Media Viewer

By attaching a USB memory device* to the VPL-E200 Series USB connector, the operator can directly project data files stored on the USB memory device.
Supported file formats are JPG, BMP, PNG, TIF, and GIF.

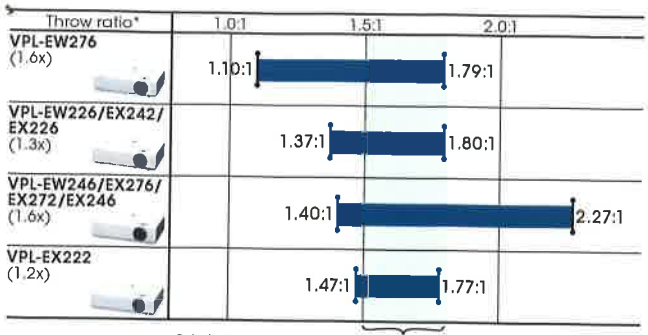
* USB memory device is not included.

Broad Range of Applications

Convenient, Simple Projector Adjustment

The projectors' 1.6x* flexible standard zoom lens allows the projector to fit wide range of installations, and simplifies replacement of an existing projector.

* The VPL-EX222 is a 1.2x zoom projector; the VPL-EW226, VPL-EX242, and VPL-EX246 are 1.3x zoom projectors.



1.5:1–1.8:1: Typical 1.2x compact projectors throw ratio

* Throw distance=Throw ratio x Screen width. The values are approximate.

Multiple Inputs & Outputs

VPL-E200 Series projectors include a high wattage speaker (16 W)* and a variety of interfaces (2xRGB, HDMI, S-Video, RS-232C, RJ-45, USB Type-A, USB Type-B, and Microphone inputs*) that accept a wide variety of inputs signals, greatly expanding system connection possibilities.

* The VPL-EW276, VPL-EW246, VPL-EW226, VPL-EX276, VPL-EX246, & VPL-EX226.

Superb Picture Quality

Brilliant Color Performance

The VPL-E200 Series projectors adopt a 3LCD projection system incorporating three LCD panels. This system enables each projector to present bright and natural images.
By combining an advanced generation of inorganic LCD panels that utilize Sony's BrightEra™ technology with a 3LCD projection system, the VPL-E200 Series projectors offer high picture quality and brightness.

12-bit 3D Gamma Correction

The VPL-E200 Series projectors incorporate 12-bit 3D gamma correction circuitry to perform highly accurate gamma correction, achieving smoother gradations and a richer gray scale.

Film mode

Smooth, high-quality images are reproduced using a high-performance processor for I/P conversion.
Source signals suitable I/P conversion are processed automatically, and extremely accurate images are reproduced.

Other Features

Closed Captioning

Official teletext broadcasting, developed by the NCI, USA

Network and Control

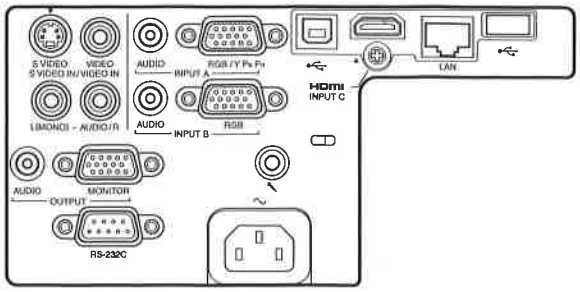
Controls and monitors projector status
Compatible with various control systems

CRESTRON INTEGRATED SYSTEMS

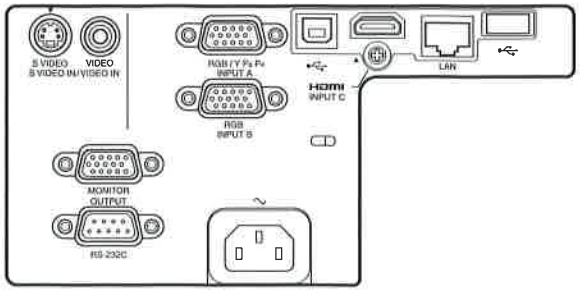
PJLink™

CONNECTOR PANELS

VPL-EW276 / VPL-EW246 / VPL-EW226
VPL-EX276 / VPL-EX246 / VPL-EX226



VPL-EX272 / VPL-EX242 / VPL-EX222



OPTIONAL ACCESSORIES

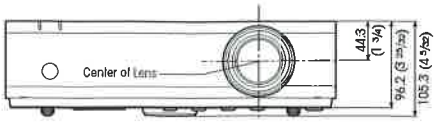
LMP-E212
Projector Lamp (for replacement)

IFU-WLM3
USB wireless LAN module

DIMENSIONS

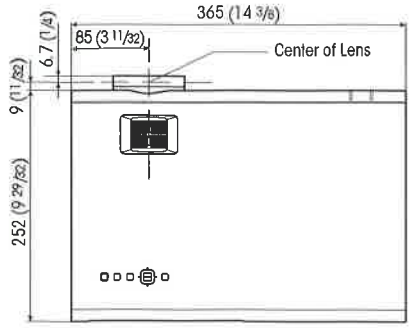
Unit: mm (inches)

Front

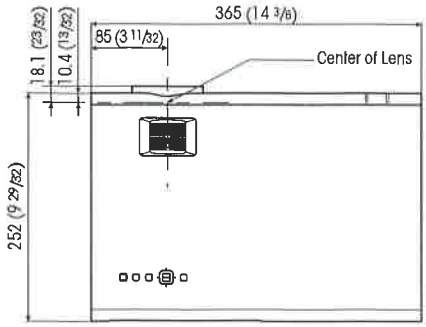


Top

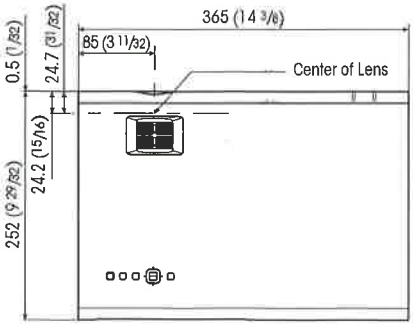
VPL-EW276



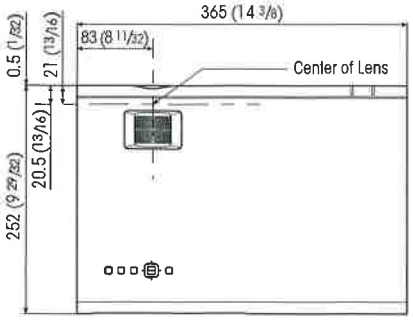
VPL-EW246 / VPL-EX276 / VPL-EX272 / VPL-EX246



VPL-EX226 / VPL-EX242 / VPL-EX226



VPL-EX222



		VPL-EX272	VPL-EX242	VPL-EX222
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		3000 H / 5000 H / 7000 H (Lamp mode: High / Standard / Low)		
Filter cleaning cycle*1		Max. 7000 H, Same time as the lamp replacement is recommended		
Screen size		30" to 300" (0.76 m to 7.62 m)		
Light output (Lamp mode: High / Standard / Low)		3700 lm / 2700 lm*2 / 2100 lm*2	3200 lm / 2200 lm*2 / 1700 lm*2	2700 lm / 2100 lm*2 / 1600 lm*2
Color light output (Lamp mode: High / Standard / Low)		3700 lm / 2700 lm*2 / 2100 lm*2	3200 lm / 2200 lm*2 / 1700 lm*2	2700 lm / 2100 lm*2 / 1600 lm*2
Contrast ratio (full white / full black)*3		3000:1		
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 to 240 V, 2.8 A to 1.2 A, 50 Hz / 60 Hz		AC 100 V to 240 V, 2.7 A to 1.2 A, 50 Hz / 60 Hz
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	276 W / 225 W*2 / 196 W*2	273 W / 224 W*2 / 194 W*2	268 W / 224 W*2 / 194 W*2
	AC 220 V to 240 V	268 W / 218 W*2 / 189 W*2	265 W / 216 W*2 / 188 W*2	261 W / 216 W*2 / 188 W*2
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120 V	5.9 W / 0.5 W		
	AC 220 V to 240 V	5.9 W / 0.5 W		
Heat dissipation	AC 100 V to 120 V	942 BTU	932 BTU	915 BTU
	AC 220 V to 240 V	915 BTU	904 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 6 oz	3.8 kg / 8 lb 4 oz	
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.

Distributed by

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SPECIFICATIONS

		VPL-EW276	VPL-EW246	VPL-EW226	VPL-EX276	VPL-EX246	VPL-EX226
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		3000 H / 5000 H / 7000 H (Lamp mode: High / Standard / Low)					
Filter cleaning cycle*1		Max. 7000 H, Same time as the lamp replacement is recommended					
Screen size		30" to 300" (0.76 m to 7.62 m)					
Light output (Lamp mode: High / Standard / Low)		3700 lm / 2800 lm*2 / 2100 lm*2	3100 lm / 2000 lm*2 / 1600 lm*2	2600 lm / 1900 lm*2 / 1500 lm*2	3700 lm / 2700 lm*2 / 2100 lm*2	3200 lm / 2200 lm*2 / 1700 lm*2	2700 lm / 2100 lm*2 / 1600 lm*2
Color light output (Lamp mode: High / Standard / Low)		3700 lm / 2800 lm*2 / 2100 lm*2	3100 lm / 2000 lm*2 / 1600 lm*2	2600 lm / 1900 lm*2 / 1500 lm*2	3700 lm / 2700 lm*2 / 2100 lm*2	3200 lm / 2200 lm*2 / 1700 lm*2	2700 lm / 2100 lm*2 / 1600 lm*2
Contrast ratio (full white / full black)*3		3000:1	2300:1		3000:1		
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 to 240 V, 3.1 A to 1.3 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.2 A to 1.3 A, 50 Hz / 60 Hz	AC 100 to 240 V, 2.9 A to 1.2 A, 50 Hz / 60 Hz	AC 100 to 240 V, 3.1 A to 1.3 A, 50 Hz / 60 Hz	AC 100 to 240 V, 3.2 A to 1.3 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.0 A to 1.2 A, 50 Hz / 60 Hz
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	303 W / 256 W*2 / 226 W*2	311 W / 255 W*2 / 226 W*2	287 W / 251 W*2 / 228 W*2	306 W / 256 W*2 / 226 W*2	315 W / 254 W*2 / 225 W*2	293 W / 257 W*2 / 228 W*2
	AC 220 V to 240 V	294 W / 247 W*2 / 218 W*2	299 W / 246 W*2 / 218 W*2	277 W / 242 W*2 / 218 W*2	298 W / 249 W*2 / 220 W*2	305 W / 248 W*2 / 220 W*2	285 W / 250 W*2 / 222 W*2
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120 V	5.9 W / 0.5 W					
	AC 220 V to 240 V	5.9 W / 0.5 W					
Heat dissipation	AC 100 V to 120 V	1034 BTU	1061 BTU	980 BTU	1044 BTU	1075 BTU	1000 BTU
	AC 220 V to 240 V	1003 BTU	1020 BTU	945 BTU	1017 BTU	1041 BTU	973 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 1 oz	3.9 kg / 8 lb 9 oz	3.9 kg / 8 lb 8 oz	4 kg / 8 lb 11 oz		3.9 kg / 8 lb 8 oz
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.