SONY

VPL-FHZ65/FHZ60/FHZ57 VPL-FWZ65/FWZ60

3LCD Laser Installation Projectors

VPL-FH65/FH60/FW65/FW60

3LCD Lamp Installation Projectors









Bright, beautiful images with low running costs, minimal maintenance, and flexible installation

Because no two organisations or applications are alike, we aim to meet diverse installation and budget requirements with our range of professional laser and lamp based projectors. Offering a projection solution to suit every commercial, academic and large-scale application, our projectors have the same design, features, quality and performance in both our laser and lamp based models.

Our laser projectors (VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60) are ideal for a wide range of high-end business, education or large-scale applications. Their powerful Z-Phosphor laser light source is teamed with Sony's advanced 3LCD projection engine to deliver extremely bright, rich, and stable colours.

Our lamp projectors (VPL-FH65/FH60/FW65/FW60) are best suited for everyday applications and environments, offering the same advanced 3LCD projection engine with cost-effective features that deliver the same high-quality performance.

Our laser projectors deliver instant on/off to full brightness with no warm up/cool down intervals and no need to worry about lamp swaps. The laser light source means users can enjoy up to 20,000 hours of virtually maintenance-free operation*; a big benefit for many of today's education and business users. Limit tilt angle is also eliminated with a laser light source projector as they are best suited for applications with challenging installation.

Sony is always first to bring new technology to the market to enhance customer experience and expectation. The combination of Sony's laser light source and 3LCD technology is just one example where we offer a solution for every application. For long use, high demand and large scale installations, our laser projectors deliver enduring brightness. For applications where usage is less frequent, our lamp based models are the perfect solution.

All of our laser and lamp Installation projectors incorporate Reality Creation and Contrast Enhancer, two new technologies unique to Sony designed for our Home Cinema projectors.

The Reality Creation engine analyses and processes every input signal to refine detail, clarity, and sharpness for a naturally up scaled image. The Contrast Enhancer feature expands the perceived dynamic range of the signal in real-time. Both features contribute to enhancing the visual experience wherever these projectors are installed.

When choosing a projector, consistency in design, features, lenses, usability and quality is paramount and our laser and lamp Installation projectors tick all boxes.



For business



For academic use



For large scale applications



Stylish chassis design

The 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.

*Actual hours vary depending on usage and environmer

High image quality

VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60

High image quality with 3LCD projection and laser light source technology

Combining a Z-Phosphor laser light source with a 3LCD optical system, the ground-breaking VPL-FHZ65, VPL-FHZ60, VPL-FHZ57, VPL-FWZ65 and VPL-FWZ60 projectors generate powerful, bright images with vivid colour and consistency ranging from 4,100 – 6,000 lumens in WUXGA and WXGA resolution.

Each projector's light engine uses a blue laser as its light source, which excites a phosphorous material that in turn creates white light. This white light is delivered to the 3LCD optical system, generating constant, vibrant RGB colour through a colour-splitting process. This produces brightness sufficient for a broad range of commercial, academic, and large scale applications.



VPLFHZ65/FHZ60/FHZ57 VPLFH65/FH60 Detail-packed WUXGA resolution images

Our projectors deliver an amazing WUXGA resolution (1920 x 1200), exceeding Full-HD resolution (1920 x 1080) and enabling a wider display range. More information can be displayed on screen, so the whole image can be seen extremely clearly with amazing detail.



Advanced picture refinement technologies

Developed for Sony's home cinema projectors, the Reality Creation function has now been adapted for all our laser and lamp projectors. It reproduces the texture and colour of the original resolution signal by restoring missing information lost during packaging of the original contents during data transmission.

Analyse every pixel in any direction Sony's proprietary algorithm

"Reality Creation" pixel mapping

Input signal

Get the best possible images





Picture patterning based on 10 years of accumulated expertise

Simulated images

Dynamic image and high contrast

The Contrast Enhancer function, also featured in all our laser and lamp projectors, automatically adjusts the contrast for optimum viewing. It compensates for dark and bright areas of an image by analysing the signal component of each scene in real time to enhance contrast.



Good TCO & energy efficient

VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60

Up to 20,000 hours of virtually maintenance-free operation*

Thanks to the Z-Phosphor laser light source with control technology, long-life 3LCD panels and advanced filter system, all Sony laser projectors offer up to 20,000 hours of virtually maintenance-free operation. Combined with a range of energy-saving features, total lifetime ownership costs are reduced compared with conventional lamp projectors.

* Actual hours vary depending on usage and environment.

VPL-FH265/FH260/FH257/FW265/FW260 VPL-FH65/FH60/FW65/FW60

Hassle-free automatic filter cleaning

Arduous maintenance tasks are eliminated on all laser and lamp models. A new automated cleaning system removes filter dust every 100 hours when the projector is powered off.



Energy-efficient functions

VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60 Auto dimming mode

All of our laser projectors are equipped with an auto brightness dimming function. After 10 seconds of a static signal feed, the brightness automatically dims by approximately 15% which is unlikely to be noticed by the audience. If left powered on while not in use, the unit will automatically dim the brightness to as low as approximately 5% of original brightness to significantly reduce energy consumption. The time period for when this occurs can be set by the user. Any detection of a new signal instantly returns the projector to full brightness.



* Light source mode: High. The values are approximate.

When the input signal is unchanged, the unit shifts into dimming mode

Simulated images

VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60

Auto light source control for energy saving

The brightness of the light source'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, the light source output decreases.



Simulated images

VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60

Blank (ECO picture muting)

This feature allows the user to redirect the attention of their audience without turning the projector off, but still reduce power consumption. Blank, or ECO Picture Mute temporarily disables any signal output allowing a "blank" image and low power consumption.

Switch Blank or ECO Picture Mute back on, and the image is instantly back on at full brightness.



Simulated images

Installation advantages

VPL-FH265/FHZ60/FHZ57/FWZ65/FWZ60 VPL-FH65/FH60/FW65/FW60 Powered lens shift function*

All Laser and lamp projectors have an exceptional standard lens shift range of +/- 32% horizontally and -5%/+60% vertically. Images can be easily adjusted to the desired settings during installation. With this exceptional lens shift range, the projectors can be installed in ways to maximise performance even in the most difficult environments.

*Optional lenses available and vary in lens shift performance.



* Depends on lens

Simulated images

VPL-FHZ65/FHZ60/FHZ57/FWZ65/FWZ60

Tilt angle-free

Enjoy greater installation flexibility with laser light source technology by positioning the projector freely at any angle.

Vertical





Simulated images

VPL-FH265/FHZ60/FHZ57/FWZ65/FWZ60 VPL-FH65/FH60/FW65/FW60 Simple installation with HDBaseT

HDBaseT is a multi-signal transmission system via a single cable, which simplifies installation. It cuts total system cost by reducing not just cabling requirements but also the number of required signal extenders and receiver boxes. Fewer signal extenders and receiver boxes mean fewer potential points of failure.



VPL-FH265/FHZ60/FHZ57/FWZ65/FWZ60 VPL-FH65/FH60/FW65/FW60 Supersize displays with on-board edge-blending

All models have on-board edge blending capabilities allowing for multiple projectors to overlay images and project seamlessly large panoramic size images.



Simulated images

VPLFH265/FH260/FH257/FW265/FW260 VPLFH65/FH60/FW65/FW60 Super quiet operation

Sony's installation projectors are one of the industry's quietest. Low fan noise, 35 dB/28 dB* (Lamp Mode: High/ Standard) ensures discreet, unobtrusive operation in quiet environments, from museums and galleries to lecture theatres.

*as of February 2016



Optional lenses

Projection lens	VPLL-3003**	VPLL-3007	VPLL-Z3009	VPLL-Z3024	VPLL-Z3032
		S	C		
Throw ratio	0.33:1	0.65:1	0.85:1 to 1.0:1	2.34:1 to 3.19:1	3.18:1 to 4.84:1
Zoom / Focus	— / Powered	— / Manual	Manual / Manual	Powered / Powered	Powered / Powered
Lens shift	Vertical: Upward 5% to Downward	Vertical: Upward 10% to	Vertical: Upward 50% to	Vertical: Upward 60% to	Vertical: Upward 60% to
	5% Horizontal: Right 5% to Left 5%	Downward 5% Horizontal: Right 4% to Left 4%	Downward 5% Horizontal: Right 24% to Left 24%	Downward 5% Horizontal: Right 32% to Left 32%	Downward 5% Horizontal: Right 32% to Left 32%
Aperture	f/1.85	f/1.75	f/1.85 to 2.1	f/2.00 to 2.30	f/2.00 to 2.40
Screen size*	80" to 300"	60" to 300"	60" to 300"	40" to 600"	40" to 600"
Dimensions	W 229 x H 193.7 x D 424.7 mm	W 150 x H 150 x D 222 mm	W 150 x H 150 x D 217 mm	W 97 x H 105 x D 177 mm	W 97 x H 105 x D 177 mm
Mass	2.9 kg	1.7 kg	1.7 kg	1.2 kg	1.2 kg

* Viewable area, measured diagonally.

Lens throw ratio chart



The distance L is between the front of the lens (center) and the front of the cabinet.

	U	nit: mm (inches)
Lens		Туре
Standard lens	1.2 (1/6)	2
VPLL-3003	256 (10 3/32)	2
VPLL-3007	52.4 (2 1/16)	2
VPLL-Z3009	51.2 (2 1/32)	2
VPLL-Z3024	9.9 (3/8)	2
VPLL-Z3032	9.9 (3/8)	2



Installation diagram

Projection image size						
Diagonal	Width x Height	Standard lens	VPLL-3007	VPLL-Z3009	VPLL-Z3024	VPLL-Z3032
80-inch	1.72 x 1.08	2.36 – 3.86	1.09	1.44 – 1.69	4.00 – 5.48	5.45 – 8.32
(2.03 m)	(68 x 42)	(93 – 152)	(43)	(57 – 66)	(158 – 215)	(215 – 327)
100-inch	2.15 x 1.35	2.96 – 4.84	1.38	1.82 – 2.13	5.03 – 6.87	6.84 – 10.43
(2.54 m)	(85 x 53)	(117 – 191)	(54)	(72 – 84)	(198 – 270)	(270 – 410)
120-inch	2.58 x 1.62	3.57 – 5.82	1.67	2.20 – 2.57	6.05 – 8.27	8.24 – 12.55
(3.05 m)	(102 x 64)	(141 – 229)	(66)	(87– 101)	(238 – 325)	(325 – 494)
150-inch	3.23 x 2.02	4.47 – 7.29	2.11	2.76 – 3.23	7.59 – 10.36	10.33 – 15.72
(3.81 m)	(127 x 79)	(176 – 287)	(83)	(109 – 127)	(299 – 408)	(407 – 619)
200-inch	4.31 × 2.69	5.97 – 9.73	2.83	3.70 – 4.34	10.15 – 13.85	13.82 – 21.00
(5.08 m)	(170 × 106)	(235 – 383)	(112)	(146 – 170)	(400 – 545)	(544 – 827)



Unit: m (inches)

Preset signal chart

Optional accessories

Computer signal

		Input connector		
Resolution	fH [kHz]/ fV [Hz]	RGB'1	DVI-D ^{•2} /HDMI ^{•6} / Digital Interface Adaptor BKM- PJ10 ^{•7} /3G-SDI INPUT Adaptor BKM-PJ20 ^{•7}	
640 x 350	31.5/70	•		
040 x 000	37.9/85	•	—	
640 x 400	31.5/70	•	_	
	37.9/85	•		
	31.5/60	•	•	
	35.0/67	•		
640 x 480	37.9/73	•	—	
	37.5/75	•	—	
	43.3/85	•	—	
	35.2/56	•	—	
	37.9/60	\bullet	•	
800 x 600	48.1/72	•	—	
	46.9/75	•	—	
	53.7/85	•	—	
832 x 624	49.7/75	•	—	
	48.4/60	•	•	
1004 v 749	56.5/70	•	—	
1024 x 700	60.0/75	•	—	
	68.7/85	•	—	
	64.0/70	•	—	
1152 × 864	67.5/75	•	—	
	77.5/85	•	—	
1152 x 900	61.8/66	•	—	
1290 v 040	60.0/60	•	•	
1200 x 900	75.0/75	•	_	
	64.0/60	•	•	
1280 x 1024	80.0/75	•	—	
	91.1/85	•	—	
1400 x 1050	65.3/60	•	•	
1600 x 1200	75.0/60	•	•	
1280 x 768	47.8/60	•	•	
1280 x 720	45.0/60	•	●* ²	
1920 x 1080	67.5/60	_	●*2	
1366 x 768	47.7/60	•	•	
1440 x 900	55.9/60	•	•	
1680 x 1050	65.3/60	•	•	
1280 x 800	49.7/60	•	•	
1920 x 1200	74.0/60	●*1	•*1	
1600 x 900	60.0/60	•*1	•*1	

Video signal

		Input connector				
	fV [Hz]	inpui connector				
Signal		VIDEO/ S VIDEO	INPUT A	INPUT B/ INPUT C/ INPUT D		
NTSC	60	•	—	—		
PAL/SECAM	50	•	—	—		
480i	60	—	•	•		
576i	50	—	•	•		
480p	60	—	•	•		
576p	50	—	•	•		
1080i	60	—	•	•		
1080i	50	—	•	•		
720p	60	—	•	●* ²		
720p	50	—	•	•		
1080p	60	—	—	●*2		
1080p	50	—	—	•		
1080p	24	—	—	•		

*1: Available for VESA Reduced Blanking signals only. *2: INPUT B is determined as a computer signal; INPUT C/INPUT D is determined as a video signal.

• When a signal other than the signals listed in the table is input, the picture may not be displayed properly.

• An input signal meant for a screen resolution that differs from that of the panel will not be displayed in its original resolution. Text and lines may be uneven.

• Some actual value may differ slightly from the design values given in the table.



LMP-F370 Projector lamp replacement for the VPL-FH65 and VPL-FW65



LKRA-FL1 **Optical Filter for 3D Applications**



PSS-650 **Projector Suspension** Support

Connector panels

LMP-F280 Projector lamp replacement for the VPL-FH60 and VPL-FW60



LKRA-FL2 Optical Filter for Angular Projection



PSS-650P **Projector Suspension** Support Joint Pole



Dimensions



Unit: mm (inches)



Bottom

Specifications

		VPL-FHZ65	VPL-FHZ60	VPL-FHZ57	VPL-FWZ65	VPL-FWZ60		
Display system		3 LCD system						
Display device	Size of effective display	0.76" (19 mm) x 3 BrightEra	LCD Panel, Aspect ratio: 16:10)				
	Number of nivels	6 912 000 (1920 v 1200 v 3) nivels		3 072 000 (1280 x 800 x 3)	nivels		
Projection lens*1		Powered (Approx x 1.6)) pixels		3,072,000 (1200 x 000 x 3)	ріхеіз		
Појесноптена	Focus	rowered (Approx.x.r.o)						
	Lons shift	Powered Vertical: 5% +60%	Horizontal: +/-32%					
	Throw ratio	1 30.1 to 2 23.1	, nonzoniui. +/-02 /o					
Light source								
Recommended lan	no replacement time*2							
Filter cleaning / ren	lacement cycle (Max)*2	20 000 H (conice maintenance)						
Screen size		20100 in (School Humiterium) 40° to 600° (10.02 m to 15.24 m) (measured diagonally)						
Light output (Mode	· High / Standard)	6000 lm / 4000 lm	5000 lm / 3500 lm	4100 lm / 3000 lm	6000 lm / 4000 lm	5000 lm / 3500 lm		
Color light output (Mode: High / Standard)	6000 lm / 4000 lm	5000 lm / 3500 lm	4100 lm / 3000 lm	6000 lm / 4000 lm	5000 lm / 3500 lm		
Contrast ratio*3 (fu	Il white / full black)	10000.1		4100 mil 0000 mil				
Displayable	Horizontal	15kHz to 02kHz						
scanning								
frequency	Vertical	48Hz to 92Hz						
Display resolution	Computer signal input	Maximum display resolution:	1920 x 1200 dots*4					
	Video signal input	The following items are available	576/50i, 480/60p, 576/50p, 72 able for digital signal only; 10	20/60p, 720/50p, 1080/60i, 10 80/60p, 1080/50p, 1080/24p	80/50i			
Color system		NTSC3.58, PAL, SECAM, NTSC	4.43, PAL-M, PAL-N, PAL60					
Keystone correction	n (Max.)	Vertical: +/- 30 degrees						
		Horizontal: +/- 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	INPUT A	RGB /Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack						
video signal	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Shared with INPUT A						
input/output	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 Co	nnector: DVI-D 24-pin (single I	ink), HDCP not supported, Audi	o output, Monitor out connecto	or: Stereo mini jack		
Control signal inpu	t/output	RS-232C connector: D-sub 9-pin (male), LAN connector: RJ45, 10BASE-T / 100BASE-TX, IR (Control S) connector: Stereo mini jack, Plug in power DC 5 V						
Acoustic Noise (Mo	ode: High / Standard)	34 dB / 28 dB						
Operating tempera	ture (Operating humidity)	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)						
Storage temperature	re (Storage humidity)	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)						
Power requirement	S	AC 100 V to 240 V, 5.5 A to 2.3 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 4.5 A to 1.9 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 4.5 A to 1.9 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 5.5 A to 2.3 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 5.5A to 2.3A, 50 Hz / 60 Hz		
Power consumption	AC 100 V to 120 V	509 W / 298 W	420 W / 272 W	370 W / 234 W	464 W / 245 W	383 W / 227 W		
(Mode: High / Standard)	AC 220 V to 240 V	492 W / 283 W	408 W / 266 W	355 W / 229 W	453 W / 241 W	372 W / 223 W		
Power	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")						
(Standby Mode) AC 220 V to 240 V 0.5 W (when "Standby mode" is set to "Low")								
Power Consumption	AC 100 V to 120 V	15.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")						
(Networked Standby Mode)	AC 220 V to 240 V	13.3 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")						
Heat dissipation	AC 100 V to 120 V	1737 BTU/h	1433 BTU/h	1262 BTU/h	1583 BTU/h	1307 BTU/h		
	AC 220 V to 240 V	1679 BTU/h	1393 BTU/h	1211 BTU/h	1546 BTU/h	1269 BTU/h		
Outside dimensions		Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions)						
Mass		Approx. 16 kg (34 lb)						
Supplied accessories		RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder ⁵ (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1)						
Replacement lamp				_				

*1 With supplied standard lens

*2 This figure is the expected maintenance time, not a guaranteed time.

The actual value depends on the environment and how the projector is used. The actual value vepcinos ... *3 The value is average. *4 Available for VESA Reduced Blanking signal. *5 VPL-FHZ65/VPL-FHZ60/VPL-FHZ57/VPL-FWZ65/VPL-FWZ60

LASER NOTICES For the U.S.A.and Canada IEC 60825-1:2007

For other countries IEC 60825-1:2014

Specifications

Dipply davise and and and decidential dagis 31.07 cr(17 mm) x 8 signifes LCD Peak Aspect ratio: 1:: 1 Projection lam? 2000 207: (17 mm) x 8 signifes LCD Peak Aspect ratio: 1:: 1 31.072 c000 (1280 x 800 x 5) pixel			VPL-FH65	VPL-FH60	VPL-FW65	VPL-FW60		
Display data Sinc of deficit all parts 0.76 ² (19 mm) x 3 signifies (20 Powel, Apped ratio 1.6.10 Projection list not in the powel (Apper 1.6.0) Sinc of deficit all signifies (20 Powel (Apper 1.6.0) East not in the Powel (Apper 1.6.3) Powel (Apper 1.6.3) High pressure mercury form 200 V frag High pressure	Display system		3 LCD system					
Number of pasks 4 972 000 (1920 x 120 x 3 parks) 3.072 000 (1280 x 400 x 3 parks) Polgelon Intra" 2007 Powerd Agency Powerd Agency Tarsx refin Powerd Agency Powerd Agency Powerd Agency Tarsx refin 1.39 10 22.31 High pessue mercury form High pessue mercury form 20.00 H r (A00 H r	Display device Size of effective display		0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10					
Polycel content Zoom Proved (Approx 1 6) Proved (Approx 1 6) Tans shift Proved (Minich 5%, 40%, Hotornholl, -/32% The pressure mercury lamp High presure developed devela		Number of pixels	6.912.000 (1920 x 1200 x 3) pixels		3.072.000 (1280 x 800 x 3) pixels			
Total Provest Metrics, %k 40% Horsenberg, %k 40%	Projection lens*1	Zoom	Powered (Approx. x 1.6)		-;; (;-) p			
Ises shift Prover 05%, r 40%, Hozon 10%, r 40%, Hozon 10%, r 42% K Uph source 1391, ho 22.01 High pressue mercury long 280 W type Itgh pressue mercury long 280 W type Itgh pressue mercury long 280 W type 280 W type		Focus	I omeired (http://www.art.o/					
Insert ratio 1391 ho 2231 High pressure mercury long 280 W kps Screen tais 3000 H / 4000 H (servise monitemane) 3000 H / 4000 H (servise monitemane) 3000 H / 4000 H 5000 Im / 4200 Im 500 Im / 4200 Im 500 Im / 4200 Im 5000 Im / 4200 Im 500 Im / 4200 Im <td></td> <td>Lens shift</td> <td colspan="6">Powered Vertical: -5% +60% Horizontal: +/-32%</td>		Lens shift	Powered Vertical: -5% +60% Horizontal: +/-32%					
Light Source High pressue mercury long High pressue mercury long Job Pressue mercu		Throw ratio	1.39·1 to 2.23·1					
Signam	Light source		High pressure mercury lamp	High pressure mercury lamp	High pressure mercury lamp	High pressure mercury lamp		
Becommend uning reglosement single (Mux) ²⁴ 3.000 H / 4.000 H (Jam node: High / Sondard) 1 1 1 1 Streen size (Hard output / Konker High / Standard) 20.000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) Streen size (Hard output / Konker High / Standard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) Streen size (Hard output / Konker High / Standard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) Streen size (Hard output / Konker High / Standard) 2000 H / 4.000 H (Jam node: High / Sondard) 3000 H / 4.780 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) Color light output / Konker High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) 2000 H / 4.000 H (Jam node: High / Sondard) Color system Meriod High / Sondard) How / Konker High / Sondard) High / Sondard) High / Sondard) Jam node: High / Sondard) Color system MISO 3.9, PL / Sondard) High / Sondard) High / Sondard) High / Sondard) Jam node: High / Sondard)	Light oodloo		370 W type	280 W type	370 W type	280 W type		
Eller Georgener der Verbanden Serens size 2000 H (servicer maintenanze) 40° to 60° (1 of 2 m in 15.24 m) (messured diagonality) Light aufund Moder High / Standard) 6000 Im / 4400 Im 5000 Im / 3200 Im 6300 Im / 4780 Im 5200 Im / 3400 Im Constraigt aufund Moder High / Standard) 6000 Im / 4400 Im 5000 Im / 3200 Im 6300 Im / 4780 Im 5200 Im / 3400 Im Constraigt aufund Moder High / Standard 1544z to 9244z 5000 Im / 3200 Im 6300 Im / 4780 Im 5200 Im / 3400 Im Constraigt aufund Moder High / Standard 1544z to 9244z 5000 Im / 3200 Im 5000 Im / 3200 Im 5000 Im / 3200 Im Constraigt aufund Moder High / Standard Histor 924z 5000 Im / 3200 Im 5000 Im / 3400 Im 5000 Im /	Recommended lan	np replacement time*2	3 000 H / 4 000 H (I amp mode: High / Standard)					
Series is a 47: 10 207 (1.02 m to 1524 m) (messure diagonally) 4300 im / 4780 im 5200 im / 3400 im Edit or upper (Mode: High/ Standard) 6000 im / 4400 im 5000 im / 3.200 im 4300 im / 4780 im 5200 im / 3400 im Contrast ratio** (Liff white / Liff black) 2000 im / 4400 im 5000 im / 3.200 im 4300 im / 4780 im 5200 im / 3400 im Contrast ratio** (Liff white / Liff black) 2000 im / 4400 im 5000 im / 3.200 im 4300 im / 4780 im 5200 im / 3400 im Contrast ratio** (Liff white / Liff black) 2000 im / 4400 im 5000 im / 3.200 im 4300 im / 4780 im 5200 im / 3400 im Display resolution Compater signal input Mosimum diplay resolution: 1920 x 1200 dots*1 Immode in the following of cight signal or input Immode input signal input Immode input signal input Immode input signal inp	Filter cleaning / rep	lacement cycle (Max.)*2	20 000 H (service mointenance)					
Light output/Mode: High / Storolard) 000 im / 4400 im 5000 im / 3 200 im / 4780 im 5200 im / 4780 im Opding of output 6000 im / 4400 im 5000 im / 3 200 im / 4780 im 5200 im / 4780 im Opding of output 6000 im / 4400 im 5000 im / 4780 im 5200 im / 4780 im Opding of output 6000 im / 4400 im 5000 im / 4780 im 5200 im / 4780 im Diploy relation* (ull while / full block) 2000 im / 4400 im 5000 im / 4780 im 5200 im / 4780 im Diploy relation* Maximum display relation* (Wall while / full block) 2000 im / 4800 im 5000 im / 4800 im Diploy relation* Computer signal input Misc. PUL & 480/60; 57650; 720/60; 720/60; 720/60; 720/60; 720/60; 1080/60; 1080/60; 1080/60 Immode in / 1680/60; 1080/6	Screen size		40° to 600° (1.02 m to 15.24 m) (measured diagonally)					
Color light output (Model: High / Standard) Color lim / 400 lim 5000 lim / 3.200 lim 4300 lim / 4780 lim 5200 lim / 3400 lim Contrast ratio** (Guil while / full black) 2000 lim 2000 lim 3000 lim / 4780 lim 5200 lim / 4780 lim Disployable Measure/ Metzontal 118Hz to 52Hz 2000 lim 2000 lim <td>Light output (Mode</td> <td>: High / Standard)</td> <td>6000 lm / 4400 lm</td> <td>5000 lm / 3.200 lm</td> <td>6300 lm / 4780 lm</td> <td>5200 lm / 3400 lm</td>	Light output (Mode	: High / Standard)	6000 lm / 4400 lm	5000 lm / 3.200 lm	6300 lm / 4780 lm	5200 lm / 3400 lm		
Contrast rule" (uil while / Clill block) 2000 : 1 Process rule Process rule Displayabilis Horizontal 154/z to 924/z Process rule Process rule Displayabilis Computer signal input Maximum display resolution 1920 x 1200 dots* Process rule Process rule Display resolution Computer signal input Maximum display resolution 1920 x 1200 dots* Process rule Process rule Color system Microand and rule (rule) Maximum display resolution 1920 x 1200 dots* Process rule Process rule) Color system Microand and rule) Microand and rule) Microand rule) Process rule) Process rule) Computer rund Microand rule) Microand rule) Process rule) Process rule) Process rule) Computer rund INPUT A Did input connector: MUX 24 pin (rule), Audio input connector: FMUX 4400 input connecone: FMUX 4400 input connector: FMUX 4400 input connec	Color light output (Mode: High / Standard)	6000 lm / 4400 lm	5000 lm / 3.200 lm	6300 lm / 4780 lm	5200 lm / 3400 lm		
Display/polic Harizantal 154/z to 924/z Somming trogunory togunory Vertical 484/z to 924/z 484/z to 924/z Display resolution Video signal input Horizantal display resolution: 1920 x 1200 dots*4 Octor system NISC PAL, SECAM, MSQ/60, 576/501, 480/60p, 576/501, 480/60p, 720/60p, 720/60p, 720/60p, 1080/501 The following items are oniobable for dipilar signal input NISC PAL, SECAM, MSQ/and X, PILA, P	Contrast ratio*3 (ful	Il white / full black)	2000 : 1					
somming vertex ignal nov vertex ignal n	Displayable	Horizontal	15kHz to 92kHz					
Display resolution Display resolution Video signal input Video signal input Video signal input Visco FAL SECAM, AGV60, 57/650, 720/60;	scanning frequency	Vertical	48Hz to 92Hz					
Description WebCr PLACE Status Control Video signal input Misco PLALSCAM, 480640, 57650, 480,000, 57650, 720,000, 720,500, 1080,050,050,050,050,050,050,050,050,050,	Display resolution	Computer signal input	Maximum display resolution: 1920 x	1200 dots*4				
Color system NTSC3.68, PAL SECAM, NTSC4.43, PAL-M, PAL-N, PAL60 Keystone correction Max.) Vertical-+	Display recolution	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i The following items are available for	Maximum display resolution: 1200 x 1200 dols** 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 only: 1080/50p, 1080/50p, 1080/24p				
Keystone correction: (Mox) Vertical: 4-/ 30 degrees OSD language 24-languages (Caplich, Dutch, French, Italian, German, Spanish, Portuguess, Turkish, Polish, Russian, Swedish, Norwejlan, Japanese, Simplified Chinese, Traditional Chinese, Karean, Thonia, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek) Computer an Input/output INPUT A R68 /Y Fs. Ps Input connector: Min ID-sub IS-pin (female), Audio input connector: Stered with Input A INPUT D HDI put connector: Min ID-sub IS-pin (female), Audio input connector: Stered with Input A INPUT D HDI put connector: Min ID-sub IS-pin (female), Audio output connector: Stered with Input A (MUC III) HDI put connector: Min ID-sub IS-pin (female), Audio output connector: Stered with Input A (MUC III) HDI put connector: Min ID-sub IS-pin (female), Audio output connector: Stered with Input A (MUC IIII) HDI put connector: Min ID-sub IS-pin (female), Audio output connector: Stered mini Jack (MUC IIII) HDI put Connector: Min ID-sub IS-pin (female), Audio output connector: Stered mini Jack (MUC IIII) Monitor output for Input A Connector: Min ID-sub IS-pin (female), Audio output connector: Stered mini Jack Control signal Imput/Vuluu K522 Connector: DS-bio Pin (More), LAIO condensation) Stere X-28 (Stered HID) Stere of HID Stere MIC IIIII Stere Of Control Stered mininjack Act 100 Vin 240 V, 4.3 A to 1.8 A<	Color system		NTSC3.58, PAL, SECAM, NTSC4.43, P.	AL-M, PAL-N, PAL60				
CSD language 24-language (English, Dutch, French, Italian, German, Sponish, Portuguese, Turkish, Pulsh, Russian, Swedish, Norwegian, Japonese, Simplified Chinese, Taditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesan, Hungarian, Greek) Computer and video signal input/output INPUT A R6B /Y Ps Pr input connector: Mini Dsub 15-pin (termele), Audio input connector: Shared with input A INPUT O HDBase Tinterface connector: RVL 24-pin (single link), HDCP support, Audio input connector: MDI 10- pin (Merel), Audio input connector: RVL 24-pin (single link), HDCP support, Audio input connector: Shared with input A OUTPUT A Monitor output for input A connector: MINI D- Sub D5-pin (termel), Audio output connector: Shareo mini jack Control signal input/output Rs:232C connector: DV-D 24-pin (single link), HDCP not supported. Audio output. Monitor output for input a Connector: MINI D- Sub D5-pin (female). Audio output connector: Shareo mini jack Control signal input/output Rs:232C connector: D-sub 9-pin (male). LAN connector: MINI D-Sub D5-pin (female). Audio output connector: Shareo mini jack, PUg in power DC 5 V Acoustio Noise (Mode: High) Nontor output for input a Connector: MINI D-Sub D5-pin (female). Audio output connector: Shareo mini jack, PUg in power DC 5 V Acoustio Noise (Mode: High) Nontor output for input a Connector: MINI D-Sub D5-pin (female). Audio output connector: Shareo mini jack, PUg in power DC 5 V Acoustio Noise (Mode: High) Noto 104*P / 20% to 80% (no condensation) Power<	Keystone correction	n (Max.)	Vertical: +/- 30 degrees Horizontal: +/- 30 degrees					
Computer and video signal input/output INPUT A INPUT B RGB / Y Pr Pr input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack Video signal input/output MPUT B OV/ Input connector: DV-D 24-pin (single link), HDCP support, Audio input connector: Stereo mini jack Video input connector: RMS A play (Video, Audio. IAN, Connector: Stereo mini jack Video input connector: RMS A play (Video, Audio. IAN, Connto) VIDEO IN Video input connector: BNC, Audio input connector: Shared with input A OUTPUT B Monitor output for input A connector: Shared with input A Monitor output for input A connector: Shared with input A OUTPUT B Monitor output for input A connector: Shared with input A Monitor output for input A connector: Shared with input A Monitor output for input A connector: Shared with input A Monitor output for input A connector: RMS, 108ASE-TX (IR (Control S) connector: Stereo mini jack. Control signal input/output R5:232C connector: D-sub 9-pin (male), LAN connector: RMS, 108ASE-TX (IR (Control S) connector: Stereo mini jack. Stereo mini jack. Control signal input/output R5:232C connector: D-sub 9-pin (male), LAN connector: RMS, 108ASE-TX (IR (Control S) connector: Stereo mini jack. Stereo mini jack. Control signal input/output R5:232C connector: D-sub 9-pin (male), LAN concenters. Stereo Monitor output for input A Store at mini pack. Operating temperature (Storage humidity) O'C to 40°C (32°F to 144°F) / 20% to 80% (no condensation) AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60	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)					
video signal input/output input 2 MPUT B DVI input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Shared with input A HDVI C HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support input 2 Molece Part 2 Audio input connector: HDMI audio support input 2 Molece Part 2 Audio input connector: Shared with input A ViDEO IN ViDEO IN Video input connector: HDMI DP-pin, HDCP support, Audio input connector: Shared with input A Monitor output for Input 8 Connector: DVI-D 24-pin (single link), HDCP not supported. Audio output. Monitor output connector: Shared with input A Monitor output for Input 8 Connector: DVI-D 24-pin (single link), HDCP not supported. Audio output. Monitor output connector: Stereo mini jack. OUTPUT B Monitor output for Input 8 Connector: DVI-D 24-pin (single link), HDCP not supported. Audio output. Monitor output connector: Stereo mini jack. Plug in power DC 5 V Acoustic Noise (Mode: High / Standard) 34 dB / 28 dB 3 Star 28 dB 35 dP / 28 dB 3 Star 28 dB 35 dP / 28 dB 3 Star 28 dB 35 dP / 28 dP / 28 dP 36 dP / 28	Computer and	INPUT A	RGB / Y Pe Pr. input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack					
Input/Output INPUT C HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support INPUT D HDBaseT Interface connector: R44, 4 play (Video, Audio, LAX, control) VIDEO IN Video input connector: R44, 4 play (Video, Audio, LAX, control) OUTPUT A Monitor output for Input A Connector: MID = 24-pin (single link), HDCP not supported, Audio output, Monitor output for Input A Connector: Stereo mini jack Control signal input/output RS-232C connector: Dsub 9-pin (male), LAX connector: R445, 108ASE-TX. IR (Control S) connector: Stereo mini jack Plug in power DC 5 V Acoustic Noise (Mode: High / Standard) 34 dB / 28 dB 35 dB / 28 dB 35 dB / 28 dB Operating temperature (Storage humidity) -10°C to 40°C (14°F to +140°F) / 20% to 80% (no condensation) Stola / 26 dB 50 Hz / 60 Hz Storage temperature (Storage humidity) -10°C to 40°C (14°F to +140°F) / 20% to 80% (no condensation) AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz S0 Hz / 60 Hz Power consumption (Mode: High / Mode / Storage of the storage of t	video signal	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Shared with input A					
INPUT D HDBaseT interface connector: RJ45,4 play (Video, Audio, LAN, Control) VIDEO IN Video input connector: RJ45,4 play (Video, Audio, LAN, Control) OUTPUT B Monitor output profile Monitor output profile Monitor output profile OUTPUT B Monitor output profile Monitor output profile Monitor output profile Monitor output profile Control signal input/output RS-232C connector: D-sub 9-pin (male), LAN connector: RJ45,108ASE-T/1008ASE-TX. IR (Control S) connector: Stereo mini jack. Monitor output profile Control signal input/output RS-232C connector: D-sub 9-pin (male), LAN connector: RJ45,108ASE-T/1008ASE-TX. IR (Control S) connector: Stereo mini jack. Monitor output profile Operating temperature (Operating humidity) O"C to 40°C (32°E to 104°F) / 20% to 80% (no condensation) Storage temperature (Storage humidity) O"C to 40°C (32°E to 104°F) / 20% to 80% (no condensation) Power equirements AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz Sto Hz / 60 Hz	input/output	INPUT C	HDMI input connector: HDMI 19-pin.	HDCP support, Audio input connector:	HDMI audio support			
VIDEO IN Video input connector: BNC, Audio input connector: Shared with input A OUTPUT A Monifor output for input A Connector: DVI-D 24-pin (single link), MDCP not supported. Audio output. Monifor out connector: Stereo mini jack Control signal input/output Rs-232C connector: Dsub 9-pin (mole), LAX connector: RVI-D 24-pin (single link), HDCP not supported. Audio output. Monifor out connector: Stereo mini jack Acoustic Noise (Mode: High / Standard) 34 dB / 28 dB 35 dB / 28 dB 35 dB / 28 dB Operating temperature (Storage humidity) -10°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation) 8 8 200 vice 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0 Hz / 60 Hz		INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)					
OUTPUT A OUTPUT B Monitor output for Input A Connector: Num D-sub 15-pin (female), Audio output connector: Stereo mini jack Control signal input/output/ Accusite Noise (Mode: High / Standard) 34 dB / 28 dB 35 dB / 28 dB 35 dB / 28 dB 35 dB / 28 dB Operating temperature (Operating humidity) O°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation) 36 dB / 28 dB 36 dB / 28 dB Operating temperature (Storage humidity) O°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation) AC 100 V to 240 V, 5.0 A to 2.1 A 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0 Hz / 60 Hz S0 Hz / 60 Hz S0 Hz / 60 Hz Power consumption (Mode: High / Standard) AC 100 V to 120 V 498 W / 346 W 429 W / 268 W 470 W / 336 W 416 W / 256 W Power Consumption (Mode: High / Standard) AC 100 V to 120 V 6.50 W (men "Standby mode" is set to "Low") 50 W / 200 V is 240 V, 200 V is 240		VIDEO IN	Video input connector: BNC, Audio input connector: Shared with input A					
OUTPUT B Monitor output for lnput 8 Connector: DVI-D 24-pin (single link), HDCP not supported, Audio output, Monitor out connector: Stereo mini jack Control signal Input/Output RS-232C connector: D-sub 9-pin (male). LAN connector: RJ45.10BASE-T/ 100BASE-TX, IR (Control S) connector: Stereo mini jack, Plug in power DC 5 V Acoustic Noise (Mode: High / Standard) 34 dB / 28 dB 35 dB / 28 dB Operating Temperature (Storage humidity) Or C to 40°C (32° F to 104°F) / 20% to 80% (no condensation) AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0		OUTPUT A	Monitor output for Input A Connector: Mini D-sub 15-pin (female), Audio output connector: Stereo mini jack					
Control signal input/output RS-232C connector: D-sub 9-pin (male), LAN connector: RL45, IOBASE-TX, IR (Control S) connector: Stere mini jack, Plug in power DC 5 V Acoustic Noise (Mode: High / Standard) 34 d8 / 28 d8 35 d8 / 28 d8 Operating temperature (Operating humidity) -0°C to 4 0°C (32° F to 104° F) / 20% to 80% (no condensation)			Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported. Audio output. Monitor out connector: Stereo mini inck					
Acoustic Mode: High / Standard) 34 dB / 28 dB 36 dB / 28 dB 35 dB / 28 dB Operating temperature (Operating humidity) 0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation) 35 dB / 28 dB AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz S0 Hz / 60 Hz 50 Hz / 60 Hz	Control signal input	t/output	RS-232C connector: D-sub 9-pin (male), LAN connector: RJ45, 10BASE-T / 100BASE-TX, IR (Control S) connector: Stereo mini jack, Plug in power DC 5 V					
Account of the mage roture (Operating humidity) Or C to 4 0°C (32°F to 104°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, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz S0 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 463 W / 337 W 416 W / 261 W 455 W / 328 W 404 W / 252 W Power Consumption (Networked Standary Mode) AC 100 V to 120 V 0.5 W (when "Standary mode" is set to "Low") 515 U Standard") Standary Mode" is set to "Standard") Standary Mode" i	Acoustic Noise (Mc	de: High / Standard)	34 dB / 28 dB 35 dB / 28 dB					
Storage imperature (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, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz Power consumption (Mode: High / Standard) AC 100 V to 120 V 498 W / 346 W 429 W / 268 W 470 W / 336 W 416 W / 256 W Power Consumption (Mode: High / Standard) AC 100 V to 120 V 483 W / 337 W 416 W / 261 W 455 W / 328 W 404 W / 252 W Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 50 Hz / 60 Hz 404 W / 252 W Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 50 Hz / 60 Hz 50 Hz / 60 Hz Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 50 Hz / 60 HZ 50 Hz / 60 HZ Power Consumption (Standby Mode) AC 100 V to 120 V 15.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") 50 Hz / 60 HZ 50 Hz / 60 HZ Power Consumption (Standby Mode) AC 200 V to 240 V 1648 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h <td>Operating temperat</td> <td>ture (Operating humidity)</td> <td colspan="5">0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)</td>	Operating temperat	ture (Operating humidity)	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)					
Bower requirements AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz Power consumption (Mode: High / Standard) AC 100 V to 120 V 483 W / 337 W 416 W / 261 W 455 W / 328 W 404 W / 252 W Power consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 0.5 W (when "Standby mode" is set to "Low") Power consumption (Networked AC 200 V to 240 V 15.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")	Storage temperatur	re (Storage humidity)	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)					
S0 Hz / 60 Hz Power consumption (Mode: High / Standard) AC 100 V to 120 V AC 220 V to 240 V 498 W / 346 W 429 W / 268 W 470 W / 336 W 416 W / 256 W Power Consumption (Standard) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 404 W / 252 W Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 50 Hz / 60 Hz 50 Hz / 60 Hz Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low") 50 Hz / 60 Hz 50 Hz / 60 Hz Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Standard") 50 Hz / 60 Hz 50 Hz / 60 Hz Power Consumption (Networked Standby Mode) AC 100 V to 120 V 13.3 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") 1419 BTU/h 1604 BTU/h 1419 BTU/h Power Consumption (Networked Standby Mode) AC 100 V to 120 V 1649 BTU/h 1464 BTU/h 1604 BTU/h 1378 BTU/h Quiside dimension_ AC 220 V to 240 V 1649 BTU/h 14149 BTU/h 1552 BTU/h 1378 BTU/h Q	Power requirement	s	AC 100 V to 240 V.5.0 A to 2.1 A.	AC 100 V to 240 V.4.3 A to 1.8 A.	AC 100 V to 240 V.5.0 A to 2.1 A.	AC 100 V to 240 V. 4.3 A to 1.8 A.		
Power consumption (Mode: High / Standard) AC 100 V to 120 V AC 220 V to 240 V 498 W / 346 W 429 W / 268 W 470 W / 336 W 416 W / 256 W Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set b "Low") 404 W / 252 W Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set b "Low") 550 W (All terminals and networks connected, when "Standby Mode" is set to "Standby Mode) 550 W (All terminals and networks connected, when "Standby Mode" is set to "Standby Mode) 550 W (All terminals and networks connected, when "Standby Mode" is set to "Standby Mode) 16.0 W to 120 V 13.3 W (All terminals and networks connected, when "Standby Mode" is set to "Standbrd") 1446 BTU/h 1404 BTU/h 1419 BTU/h Heat dissipation (Networked) AC 100 V to 120 V 1699 BTU/h 1446 BTU/h 1604 BTU/h 1419 BTU/h Outside dimensions Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) 1378 BTU/h 1378 BTU/h Mass Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) 1378 BTU/h 1378 BTU/h Supplied accessorie RM-PJ27 Remote Commander (1), Siz-A4 (R6) batteries (2), AC Power Corl, PUB holder (1), Terminal cover (1). Quick Reference Manual (1), Operting Instructions (CD-ROM) (1):			50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz		
(Mode: High / Standard) AC 220 V to 240 V 483 W / 337 W 416 W / 261 W 455 W / 328 W 404 W / 252 W Power Consumption (Standby Mode) AC 100 V to 120 V 0.5 W (when "Standby mode" is set to "Low")	Power consumption	AC 100 V to 120 V	498 W / 346 W	429 W / 268 W	470 W / 336 W	416 W/256 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 (Standby Mode) AC 100 V to 120 V 15.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") Power Consumption (Networked Standby Mode) AC 220 V to 240 V 15.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") Heat dissipation Mass AC 100 V to 120 V 1699 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h Outside dimensions AC 200 V to 240 V 1648 BTU/h 1419 BTU/h 1552 BTU/h 1378 BTU/h Outside dimensions Approx. 13 kg (28 lb) Approx. 13 kg (28 lb) Supplied accessories RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) Replacement lamp LMP-F370 LMP-F280 LMP-F280	(Mode: High / Standard)	AC 220 V to 240 V	483 W / 337 W	416 W / 261 W	455 W / 328 W	404 W / 252 W		
AC 220 V to 240 V 0.5 W (when "Standby mode" is set to "Low") Owner Consumption (Networked Standby Mode) AC 100 V to 120 V 15.0 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") Networked Standby Mode) AC 220 V to 240 V 13.3 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") Heat dissipation (Networked AC 200 V to 120 V 1699 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h Meat dissipation (Networked Construction of the const	Power	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")					
Power Consumption (Networked Standby Mode) AC 100 V to 120 V ac 220 V to 240 V ac 220 V to 240 V ac 220 V to 240 V 15.0 (All terminals and networks connected, when "Standby Mode" is set to "Standard") Heat dissipation AC 100 V to 120 V 1699 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h Mac AC 100 V to 120 V 1648 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h Outside dimensions Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) 1378 BTU/h 1378 BTU/h Mass Approx. 13 kg (28 lb) APPJ27 Remote Commander (1), Siz AA (R6) batteries (2), AC Power (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) IMP-F370 LMP-F370 LMP-F280	(Standby Mode)	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")					
(Networked Standby Mode) AC 220 V to 240 V set to "Standard") 13.3 W (All terminals and networks connected, when "Standby Mode" is set to "Standard") Heat dissipation AC 100 V to 120 V Ac 220 V to 240 V 1699 BTU/h 1648 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h Outside dimensions Approx. V 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) Name Approx. 13 kg (28 lb) Supplied accessories RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) LMP-F370 LMP-F370 LMP-F370 LMP-F370 LMP-F280	Power Consumption							
Heat dissipation AC 100 V to 120 V 1699 BTU/h 1464 BTU/h 1604 BTU/h 1419 BTU/h AC 220 V to 240 V 1648 BTU/h 1419 BTU/h 1552 BTU/h 1378 BTU/h Outside dimensions Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) 1378 BTU/h Mass Approx. 13 kg (28 lb) Supplied accessories RM-P.127 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) Replacement lamp LMP-F370 LMP-F280 LMP-F280	(Networked Standby Mode) AC 220 V to 240 V 13.3 W (All terminals and networks connected, when "Standby Mode" is set to "Standard")							
AC 220 V to 240 V 1648 BTU/h 1419 BTU/h 1552 BTU/h 1378 BTU/h Outside dimensions Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) Image: Comparison of the second	Heat dissipation	AC 100 V to 120 V	1699 BTU/h	1464 BTU/h	1604 BTU/h	1419 BTU/h		
Outside dimensions Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions) Mass Approx. 13 kg (28 lb) Supplied accessories RM-P.J27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) Replacement lamp LMP-F370 LMP-F280 LMP-F370 LMP-F280		AC 220 V to 240 V	1648 BTU/h	1419 BTU/h	1552 BTU/h	1378 BTU/h		
Mass Approx. 13 kg (28 lb) Supplied accessories RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) Replacement lamp LMP-F370 LMP-F280	Outside dimensions		Approx. W 460 x H 169 x D 515 mm (W 18 1/8 x H 6 21/32 x D 20 9/32 in) (without protrusions)					
Supplied accessories RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1) Replacement lamp LMP-F370 LMP-F280 LMP-F370 LMP-F280	Mass		Approx. 13 kg (28 lb)					
Replacement lamp LMP-F370 LMP-F280 LMP-F370 LMP-F280	Supplied accessories		RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1)					
	Replacement lamp		LMP-F370	LMP-F280	LMP-F370	LMP-F280		

*1 With supplied standard lens
*2 This figure is the expected maintenance time, not a 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.

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