EPSON
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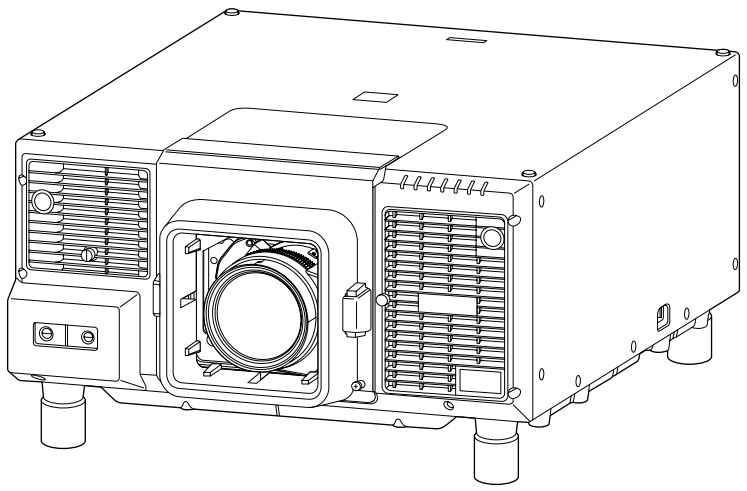
EB-L20002U
EB-L20000U

Specifications



Contents

■ Product Overview

This manual explains the projector's technical specifications.
For details on how to use each feature, see the "User's Guide" supplied with the projector.

Product Specifications

Product name			EB-L20002U	EB-L20000U
System			RGB liquid crystal shutter	
LCD panel	Size (diagonal)		1.03 inches	
	Resolution		2,304,000 pixels	
	Pixel number		(1,920 (W) × 1,200 (H) dots) × 3	
Projection lens	Lens		Optional lens supported	
	Zoom		Automatic	
	Focus		Automatic	
Lens shift[*1]	System		Automatic	
	Range		Maximum vertical direction of approx. ± 60% Maximum horizontal direction of approx. ± 18%	
Light source	Type		Laser diode	
	Output power		Up to 488 W	
	Wavelength		450 to 460 nm	
	Life expectancy[*2]		Approx. 20,000 hours (Light Source Mode: Normal, Quiet) Approx. 43,000 hours (Light Source Mode: Extended)	
Brightness[*3] [*4]			20,000 lm (Light Source Mode: Normal) 14,000 lm (Light Source Mode: Quiet, Extended)	
Contrast ratio[*4]			Over 2,500,000: 1 (Dynamic Contrast: Standard/High)	
Color reproducibility			Maximum of 1,070 million colors (depending on the interface)	
Speaker			-	
Scanning frequency	Analog		Horizontal: 15.63 - 91.15 kHz Vertical: 50/59.94/60/70/72/75/85 Hz	
	HDBaseT		Horizontal: 15.63 - 135.00 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60 Hz	
	HDMI[*5]			
	DVI-D[*5]		Horizontal: 15.63 - 75.00 kHz Vertical: 23.98/24/29.97/30/50/59.94/60 Hz	
	SDI		Horizontal: 15.63 - 67.50 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60 Hz	
	DisplayPort[*6]		Horizontal: 26.97 - 98.71 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60 Hz	
Operating altitude			Altitude 0 to 3,048 m	
Operating temperature[*7]			0 to +50℃ (No condensation) (Altitude 0 to 1,500 m) 0 to +45℃ (No condensation) (Altitude 1,501 to 3,048 m)	
Storage temperature			-10 to +60℃ (No condensation)	
Power			100 - 240 V AC ± 10% 50/60 Hz 9.7 - 12.0 A	
Power consumption	Operating	100 - 120 V	1,178 W	
		200 - 240 V	1,860 W	
	Standing by	Communication On	2.0 W	
		Communication Off	0.5 W	
Dissipation BTU (max.)	200 - 240 V		6,324 BTU/h	
Air flow (max.)			668 CFM	
Dimensions (W × H × D)			620 × 280 × 720 mm (not including raised section)	
			620 × 358.5 × 790 mm (including raised section)	

Product name		EB-L20002U	EB-L20000U
Mass	Projector (without lens)	Approx. 50.3kg	Approx. 49.6 kg
	Low ceiling mount (ELPMB47)	11 kg	
	High ceiling mount (ELPMB48)	16 kg	
Noise level*4	Light Source Mode: Normal	45 dB	
	Light Source Mode: Quiet	38 dB	

*1 ELPLX02/ELPLX02W have a maximum up direction of approx. 20%, a maximum down direction of approx. 5%, and a maximum horizontal direction of approx. 15%.

*2 Approximate time until light source brightness is reduced by half.
(Assuming the projector is being used in an environment containing airborne particles of 0.04 to 0.2 mg/m^3. This is an approximate guide only and may change depending on the projector's usage and surroundings.)

*3 The specifications are when the optional lens ELPLM15 is attached.

*4 All average values for this product at time of shipping comply with the ISO 21118 international standards.

*5 When HDMI/DVI-D interface board ELPIF01 (installed as standard) is installed

*6 When DisplayPort interface board ELPIF03 (optional) is installed

*7 When the environmental temperature rises, the light source's brightness is automatically reduced.
(Approx. 40℃ at an altitude of 0 to 1,500 m, and approx. 35℃ at an altitude of 1,501 to 3,048 m, although these will vary depending on the usage environment.)

Supported Functions

Function		Supported
Power	Main power switch	✔
	Direct Power On	✔
	Auto Power On	-
	Direct Shutdown	✔
Image correction	H/V-Keystone	✔
	Quick Corner	✔
	Curved Surface	✔
	Corner Wall	✔
	Point Correction	✔
	Memory	✔
Multi-Projection	Edge Blending	✔
	Tiling	✔
	Black Level	✔
	Color Uniformity	✔
	Screen Matching	✔
	Projector Grouping	✔
	Tiling Assist	✔
	Scale	✔
Overlay Effect	Shape Filter	-
	Color Filter	-
Light Source Calibration		✔
Shutter Function		✔
Split Screen		✔
Schedule Settings		✔
Password protect		✔
Software	Epson Projector Content Manager	-
	Epson iProjection	✔
	Epson Projector Management	✔
	Epson Projector Professional Tool	✔
	USB Display	-

Function		Supported
Control Commands	ESC/VP21	✔
	Epson Web Control	✔
	PJLink	✔
	Art-Net	✔
	Crestron Connected	✔
	AMX Device Discovery	✔
	Extron IP Link	✔
	Extron XTP	✔
	Control4 Simple Device Discovery Protocol	-

Lens Specifications

Lens Model Number	Projector Size when Lens Installed D (mm)	Amount of lens protrusion *(mm)	Lens Mass	F value	f (mm)	Zoom Rate
ELPLX02 ELPLX02W	860.6	140.6	5,000g	1.9	8.0	-
ELPLU04	858.3	68.3	3,100g	2.0 - 2.1	14.8 - 17.7	1.2
ELPLW08	857.4	67.4	3,050g	2.0 - 2.2	19.7 - 27.5	1.4
ELPLW06	831.6	41.6	2,950g	1.8 - 2.3	27.3 - 37.0	1.4
ELPLM15	795.7	5.7	1,900g	1.8 - 2.3	36.0 - 57.4	1.6
ELPLM10	837.7	47.7	2,200g	1.8 - 2.4	55.4 - 83.3	1.5
ELPLM11	841.7	51.7	2,200g	1.8 - 2.4	80.6 - 121.1	1.5
ELPLL08	841.7	51.7	2,200g	1.8 - 2.5	119.0 - 165.4	1.4

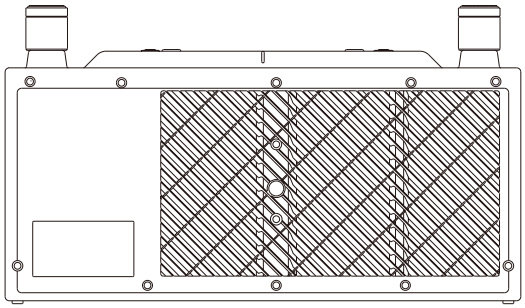
* For ELPLX02/ELPLX02W, this is the amount of protrusion from the projector with the cover attached; for other lenses it is the amount of protrusion from the lens replacement cover.

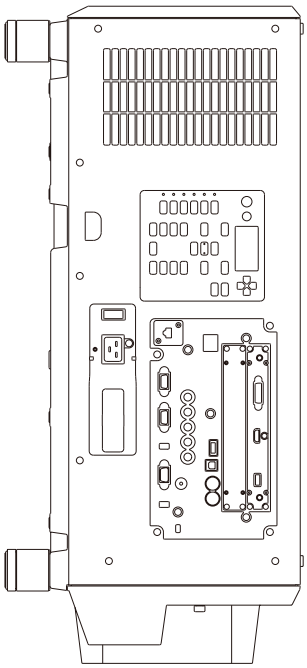
Optical Power Comparison [Units: lm]

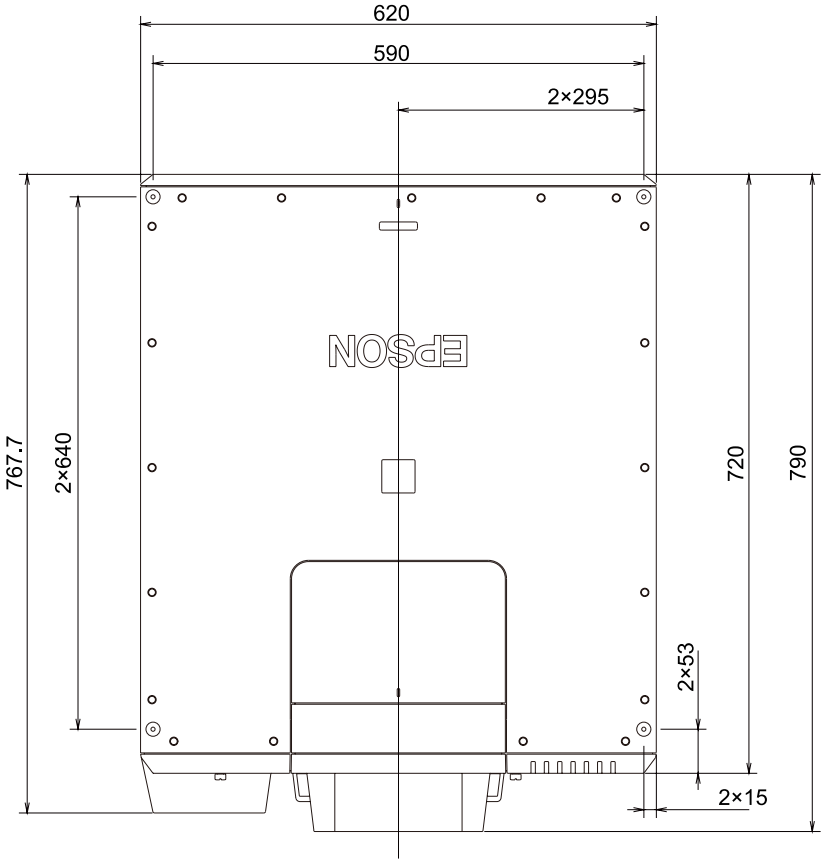
Lens Model Number	EB-L20002U/EB-L20000U	
	Output (lm)	Brightness Level Maximum Value (%)
ELPLX02 ELPLX02W	16,600	-
ELPLU04	18,600	
ELPLW08	18,500	
ELPLW06	18,600	
ELPLM15	20,000	
ELPLM10	19,500	
ELPLM11	19,300	
ELPLL08	19,300	

- : No maximum brightness level (100%)

■ Dimensions



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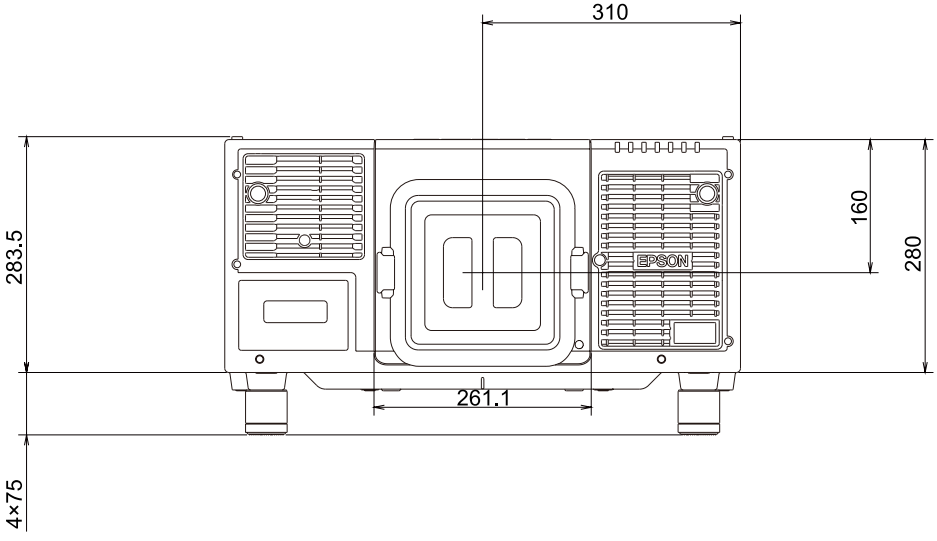
720
790
2×53
2×15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283.5
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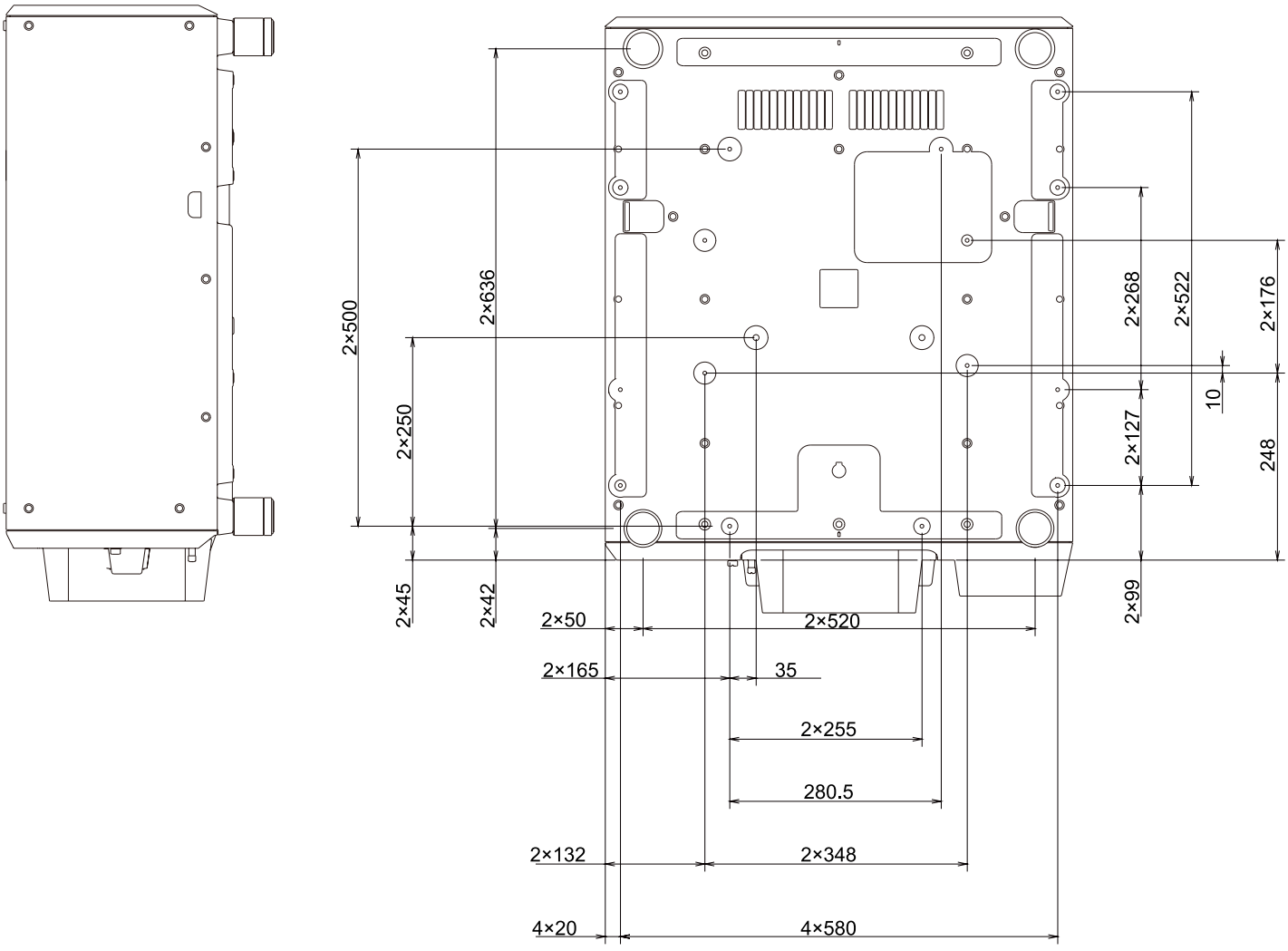
280
261.1
4×75

[Units: mm]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2×127
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2×50
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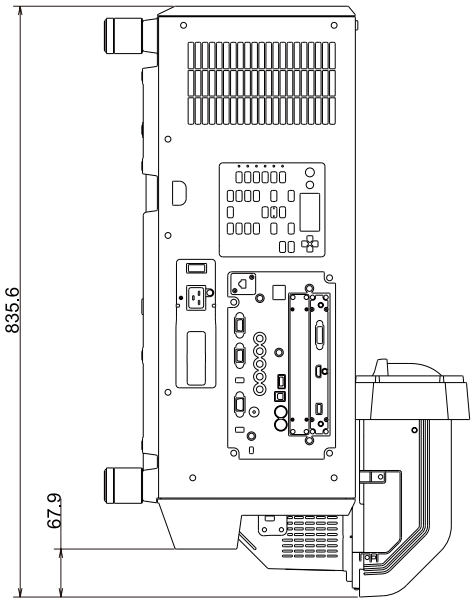
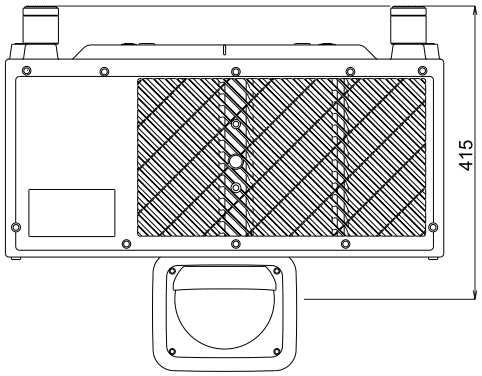
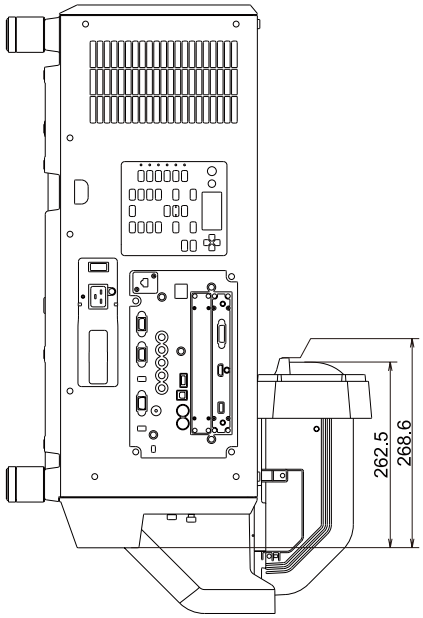
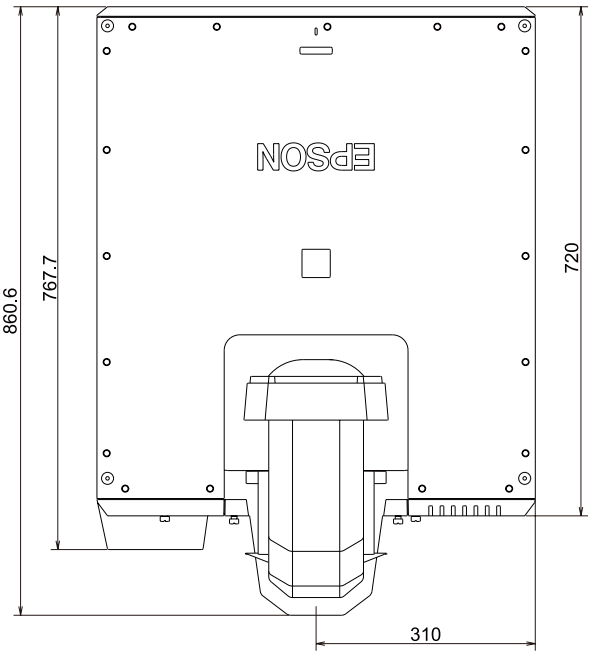
35
2×255
280.5
2×132
2×348
4×20
4×580

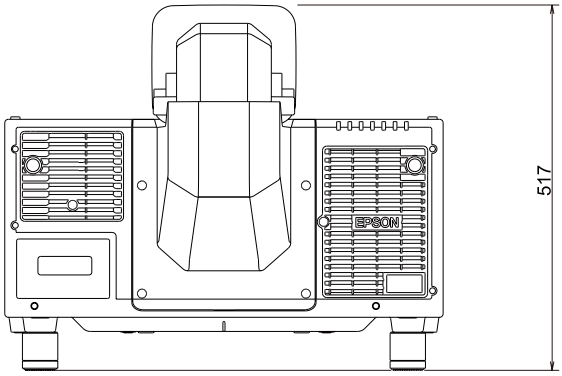
When Lens Unit ELPLX02/ELPLX02W is Installed











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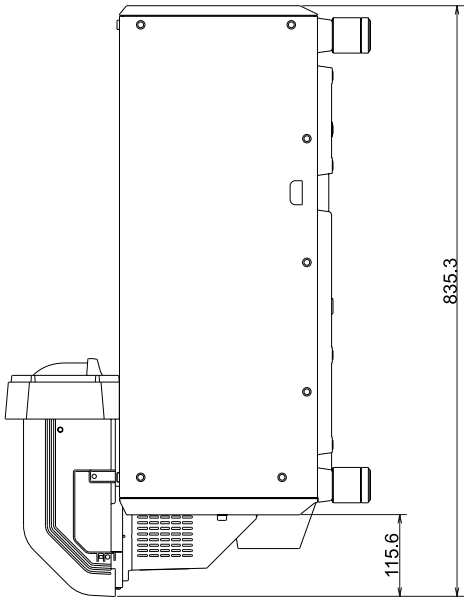
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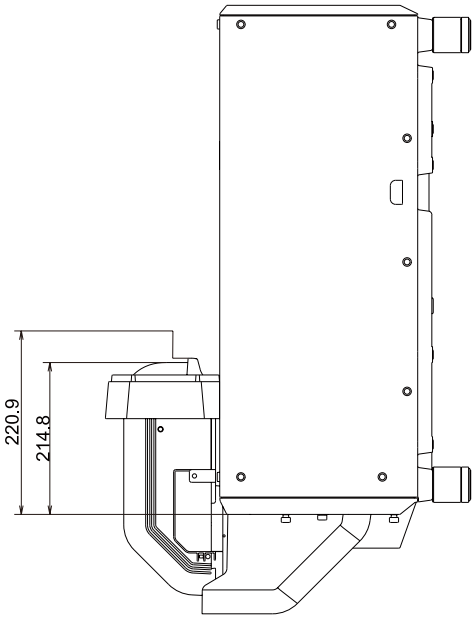
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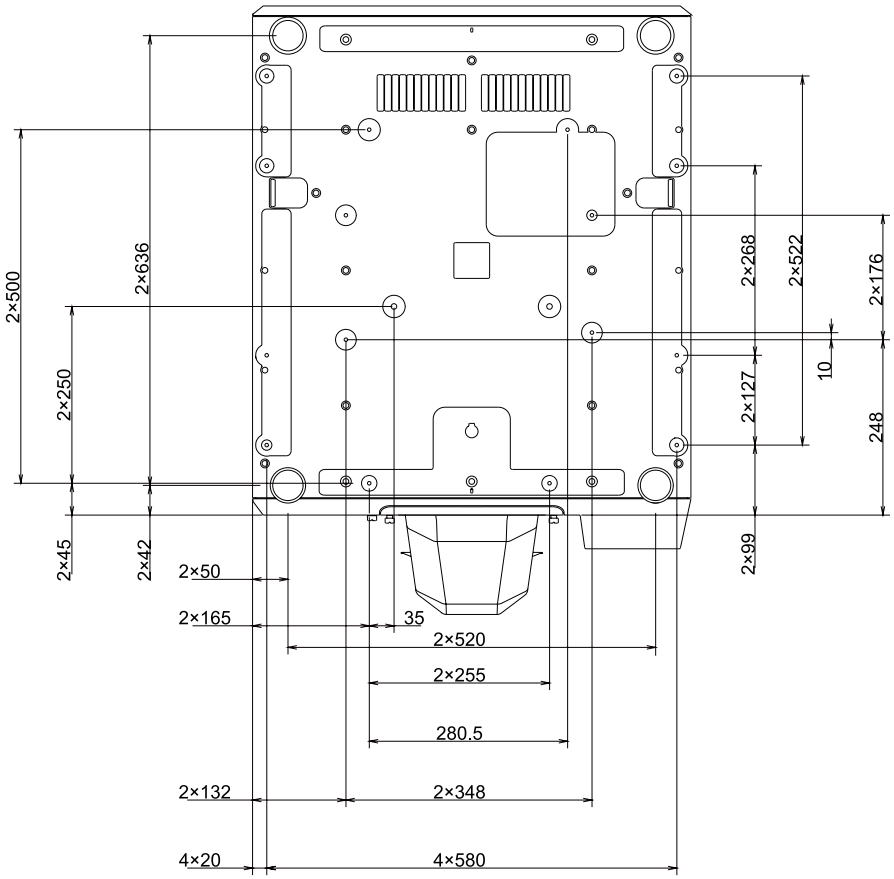
214.8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2×255
280.5
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4×580
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2×522
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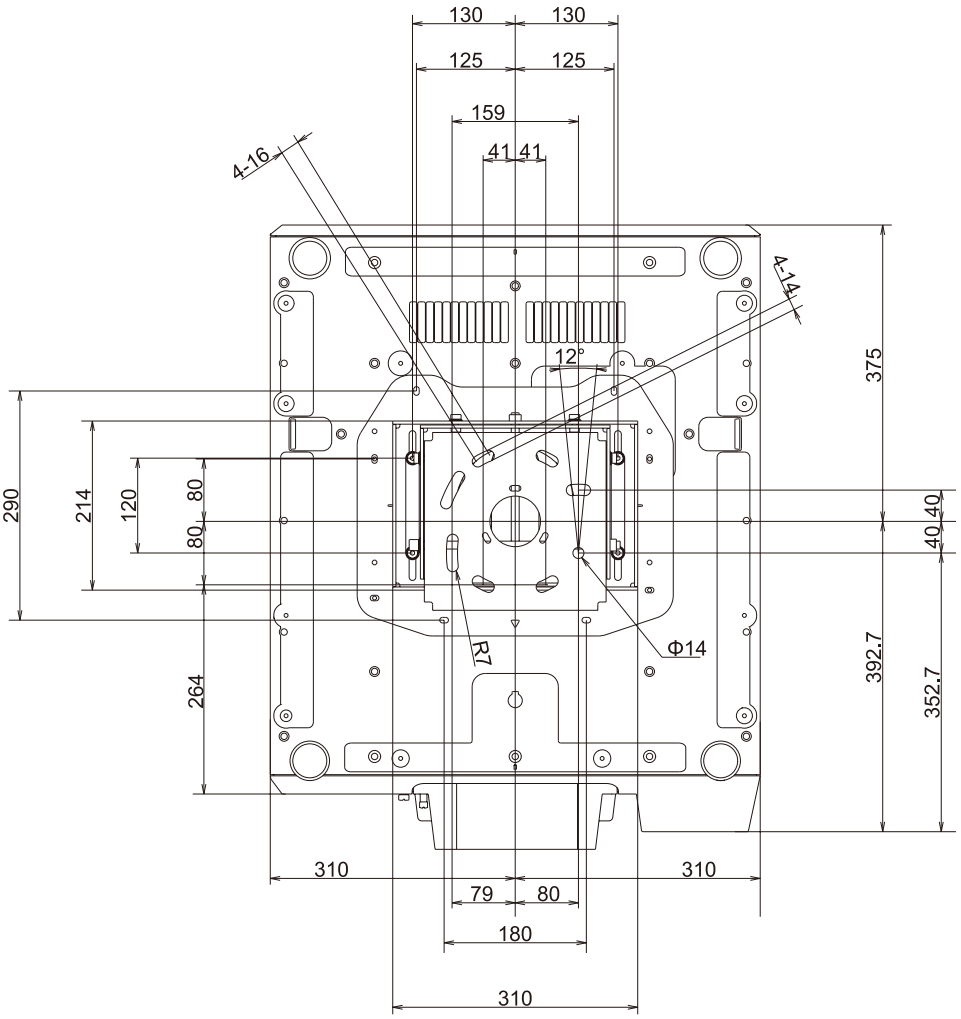
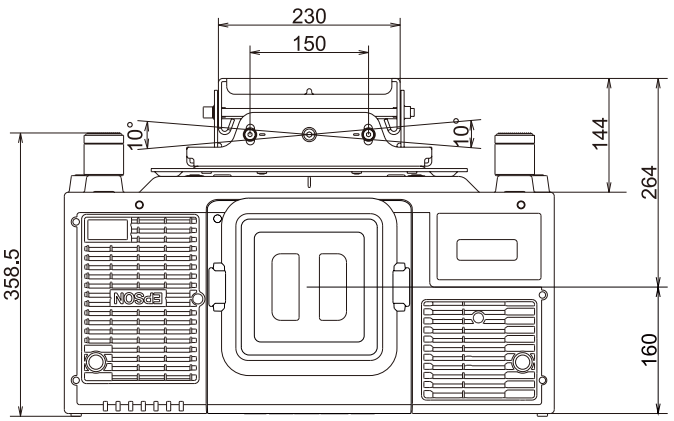
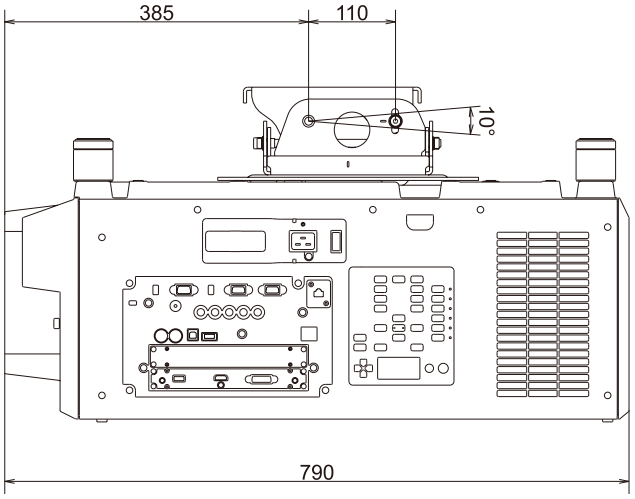
10
2×127
248
2×99

■ Low Ceiling Mount (ELPMB47)

[Units: mm]

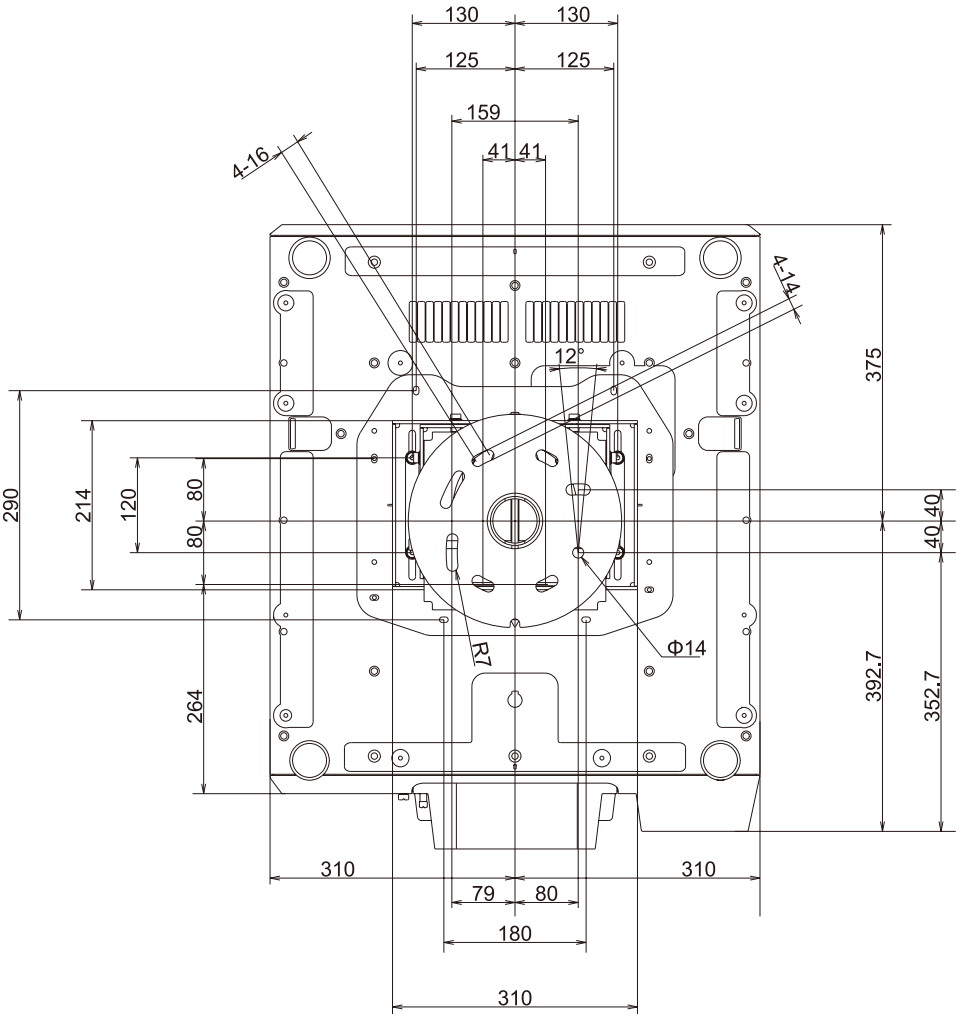


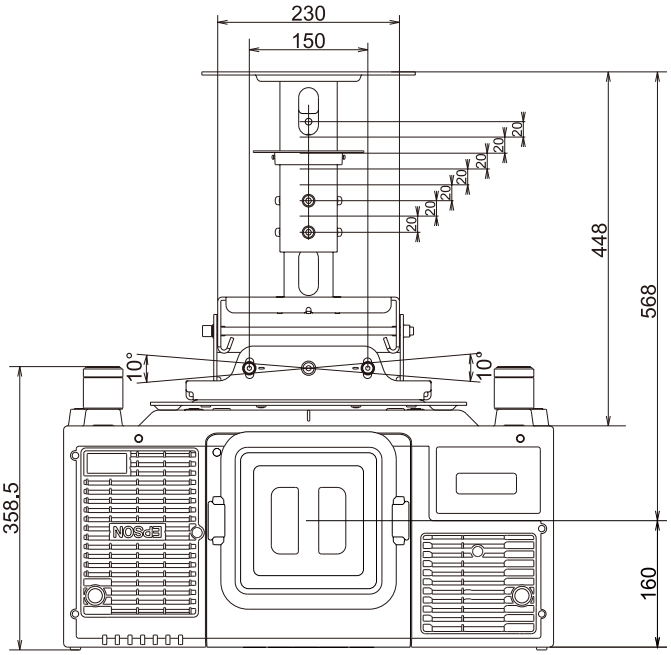


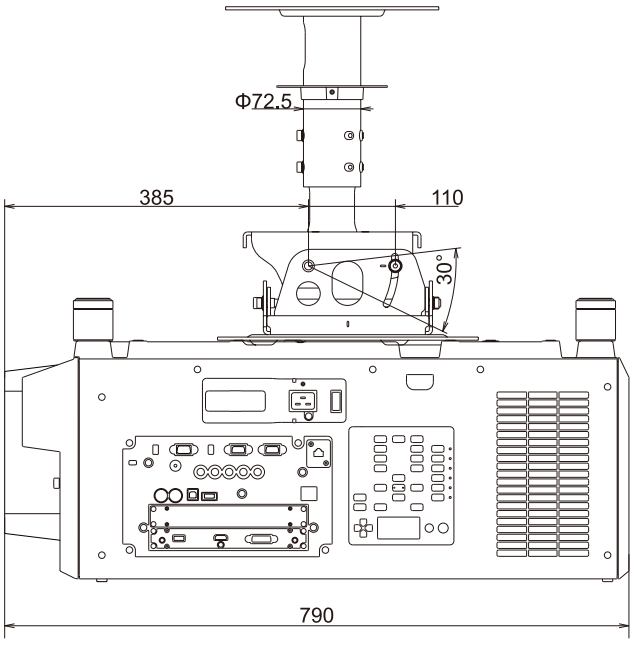


■ High Ceiling Mount (ELPMB48)

[Units: mm]

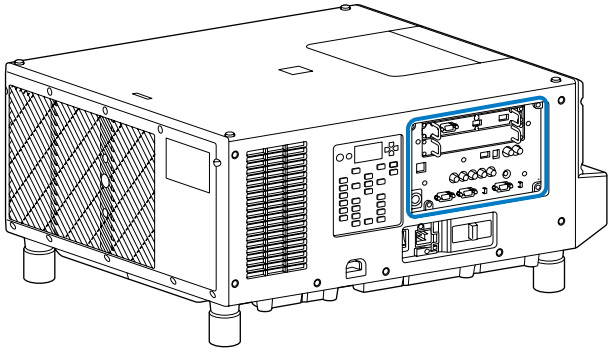


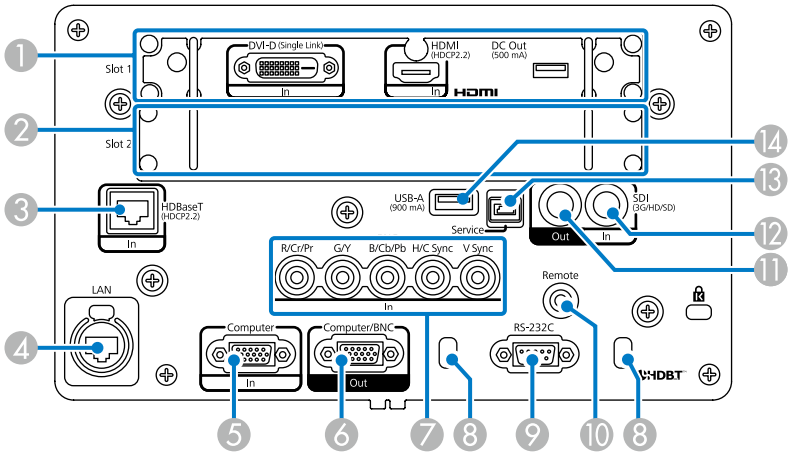




■ Connector Ports

*Position of connector ports on projector



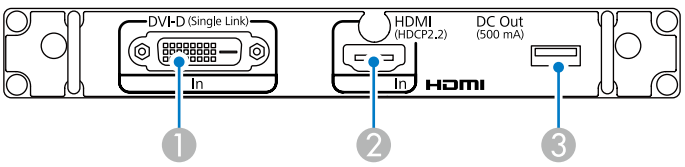


No.	Name	No.	Name
❶	Slot1	❽	Cable holder
❷	Slot2	❾	RS-232C port (Mini D-Sub 9-pin male)
❸	HDBaseT port (RJ45)*1 *2	❿	Remote port (Stereo mini pin jack)
❹	LAN port (RJ45: 100BASE-TX/10BASE-T)*2 *3	⓫	SDI Out port (1BNC female)
❺	Computer In port (Mini D-Sub 15-pin female blue)	⓬	SDI In port (1BNC female)
❻	Computer/BNC Out port (Mini D-Sub 15-pin female black)*4	⓭	Service port (USB Type-B)*5 *6
❼	BNC In port (5BNC female)	⓮	USB-A port (USB Type-A)*5 *6 *7 *8

*1 HDCP 2.2 is supported.
*2 Make sure you use LAN cables that are straight STP cables, category 5e or higher, and recommended by the HDBaseT Alliance.
*3 Commercially available etherCON LAN cables are also supported.
*4 Only analog RGB signals can be output from the BNC In port and the Computer In port.
*5 This port is used for batch setup to copy menu settings.
*6 USB 2.0 is supported. USB ports are not guaranteed to operate all USB devices.
*7 Up to 900 mA when supplying power.
*8 Connect a USB flash drive to this port to save the projector's operation logs.

HDMI/DVI-D interface board (ELPIF01)

This is connected to Slot 1 at the time of purchase.

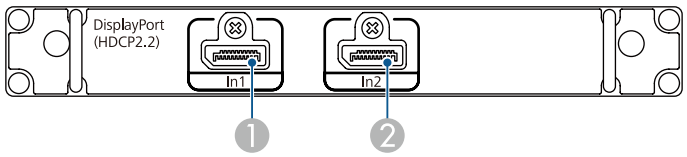


No.	Name
❶	DVI-D In port (DVI-D 24-pin)
❷	HDMI In port (HDMI Type-A)*1
❸	DC Out port (USB Type-A)*2

*1 HDCP 2.2 is supported.
*2 Dedicated power supply port (up to 500 mA). USB ports are not guaranteed to operate all USB devices.

SDI interface board (ELPIF02)
This is not available for this projector.

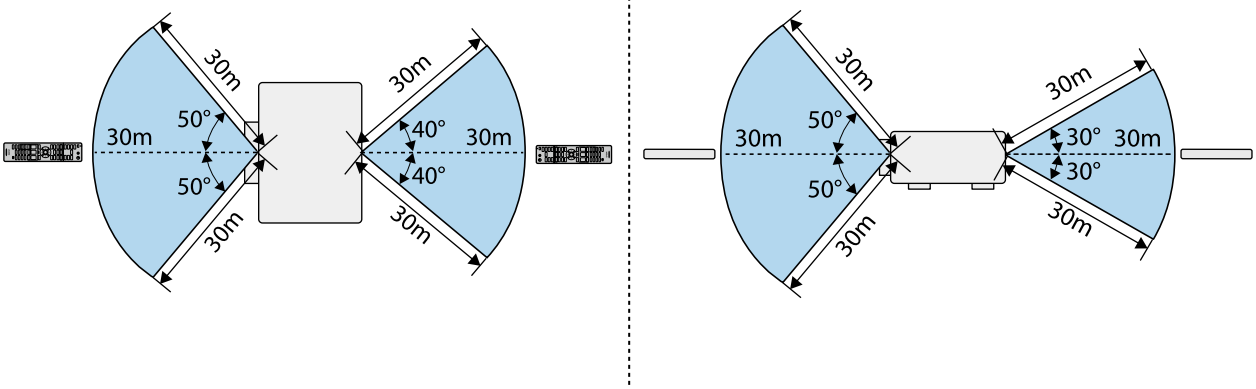
DisplayPort interface board (ELPIF03)
This is an optional item sold separately.



No.	Name
❶	DisplayPort1 In port (DisplayPort)*
❷	DisplayPort2 In port (DisplayPort)*

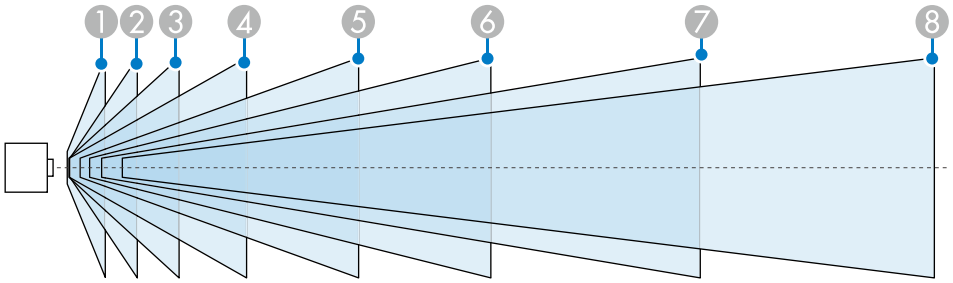
* HDCP 2.2 is supported.

■ Remote Control Operating Range (Wireless)
The following shows the operation range for the remote control supplied with the projector.



■ Projection Distance

Lens Type and Projection Range
The available projection range varies depending on the lens being used.
The following shows the projection range when the aspect ratio is 16:10.

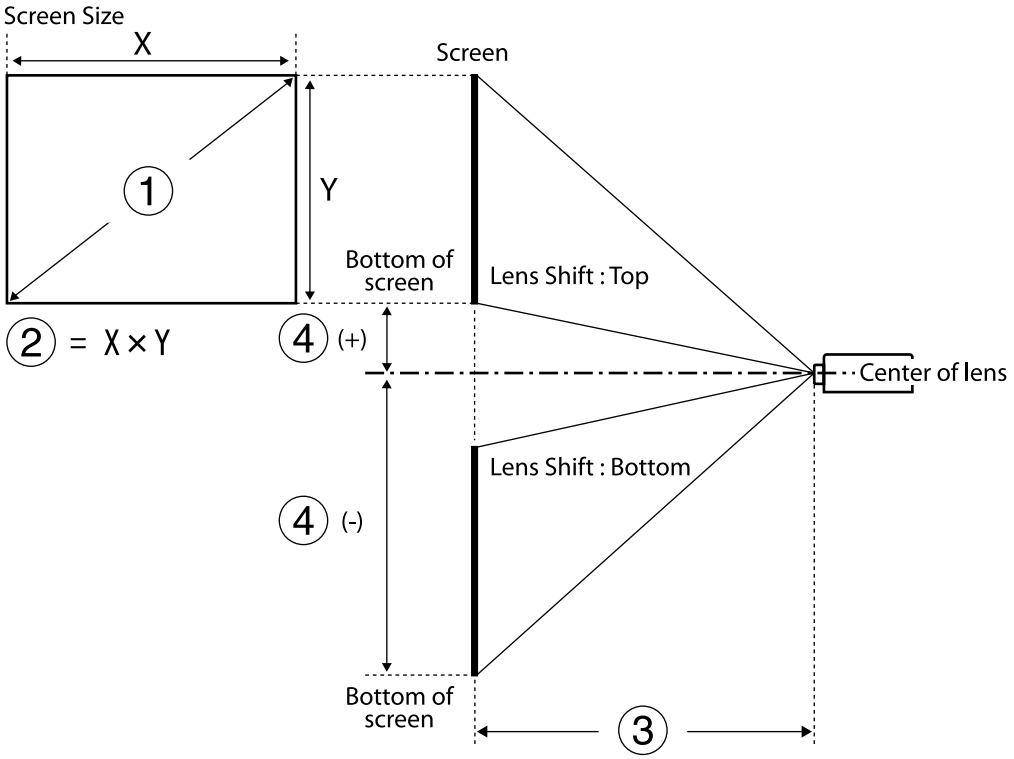


Lens Model Number		Screen Size (inch.)	Projection Distance (cm)
❶	ELPLX02 ELPLX02W	100 - 1000	74 - 769
❷	ELPLU04	60 - 1000	80 - 1702
❸	ELPLW08	60 - 1000	109 - 2639
❹	ELPLW06	60 - 1000	149 - 3544
❺	ELPLM15	60 - 1000	199 - 5563
❻	ELPLM10	60 - 1000	306 - 8086
❼	ELPLM11	60 - 1000	445 - 11807
❽	ELPLL08	60 - 1000	664 - 16174

If the screen is larger than 500 inches, fine text and images may not be displayed clearly.

■ Projection Distance Formula

Visit the following Web site to access the projection distance simulator to help calculate the distance.
http://www.epson.com/



(1) Screen size (inches) (3) Projection distance (Minimum: Wide to Maximum: Tele)
(2) Screen size (width x height) (4) Distance from the center of the lens to the bottom of the screen

<For screens with an aspect ratio of 16:10>

Projection lens	Projection Distance (3) Formula		Throw ratio ((3)/x)
ELPLX02 ELPLX02W	-	Projection distance (cm)= Projection screen size (inches) x 0.77-3.40	0.35
ELPLU04	Minimum	Projection distance (cm)= Projection screen size (inches) x 1.42-5.65	0.64 - 0.77
	Maximum	Projection distance (cm)= Projection screen size (inches) x 1.71-5.52	
ELPLW08	Minimum	Projection distance (cm)= Projection screen size (inches) x 1.88-3.92	0.86 - 1.21
	Maximum	Projection distance (cm)= Projection screen size (inches) x 2.64-5.10	
ELPLW06	Minimum	Projection distance (cm)= Projection screen size (inches) x 2.61-7.51	1.19 - 1.62
	Maximum	Projection distance (cm)= Projection screen size (inches) x 3.55-6.99	
ELPLM15	Minimum	Projection distance (cm)= Projection screen size (inches) x 3.45-8.18	1.57 - 2.56
	Maximum	Projection distance (cm)= Projection screen size (inches) x 5.57-8.02	
ELPLM10	Minimum	Projection distance (cm)= Projection screen size (inches) x 5.33-13.21	2.42 - 3.71
	Maximum	Projection distance (cm)= Projection screen size (inches) x 8.10-13.08	
ELPLM11	Minimum	Projection distance (cm)= Projection screen size (inches) x 7.81-23.86	3.54 - 5.41
	Maximum	Projection distance (cm)= Projection screen size (inches) x 11.83-23.55	
ELPLL08	Minimum	Projection distance (cm)= Projection screen size (inches) x 11.59-31.52	5.27 - 7.41
	Maximum	Projection distance (cm)= Projection screen size (inches) x 16.21-31.81	

Distance from the center of the lens to the base of the screen (except for ELPLX02/ELPLX02W):
(4) (+) (cm) = screen size (inches) x 0.14
(4) (-) (cm) = screen size (inches) x 1.48
Distance from the center of the lens to the base of the screen (ELPLX02/ELPLX02W):
(4) (+) (cm) = screen size (inches) x 0.27
(4) (-) (cm) = screen size (inches) x 1.62

<For screens with an aspect ratio of 16:9>

Projection lens	Projection Distance (3) Formula		Throw ratio ((3)/x)
ELPLX02 ELPLX02W	-	Projection distance (cm)= Projection screen size (inches) x 0.79-3.40	0.35
ELPLU04	Minimum	Projection distance (cm)= Projection screen size (inches) x 1.46-5.65	0.64 - 0.77
	Maximum	Projection distance (cm)= Projection screen size (inches) x 1.76-5.52	
ELPLW08	Minimum	Projection distance (cm)= Projection screen size (inches) x 1.93-3.92	0.86 - 1.21
	Maximum	Projection distance (cm)= Projection screen size (inches) x 2.72-5.10	
ELPLW06	Minimum	Projection distance (cm)= Projection screen size (inches) x 2.69-7.51	1.19 - 1.62
	Maximum	Projection distance (cm)= Projection screen size (inches) x 3.65-6.99	
ELPLM15	Minimum	Projection distance (cm)= Projection screen size (inches) x 3.55-8.18	1.57 - 2.56
	Maximum	Projection distance (cm)= Projection screen size (inches) x 5.73-8.02	
ELPLM10	Minimum	Projection distance (cm)= Projection screen size (inches) x 5.47-13.21	2.42 - 3.71
	Maximum	Projection distance (cm)= Projection screen size (inches) x 8.32-13.08	
ELPLM11	Minimum	Projection distance (cm)= Projection screen size (inches) x 8.03-23.86	3.54 - 5.41
	Maximum	Projection distance (cm)= Projection screen size (inches) x 12.16-23.55	
ELPLL08	Minimum	Projection distance (cm)= Projection screen size (inches) x 11.92-31.52	5.27 - 7.41
	Maximum	Projection distance (cm)= Projection screen size (inches) x 16.66-31.81	

Distance from the center of the lens to the base of the screen (except for ELPLX02/ELPLX02W):

(4) (+) (cm) = screen size (inches) x 0.21

(4) (-) (cm) = screen size (inches) x 1.45

Distance from the center of the lens to the base of the screen (ELPLX02/ELPLX02W):

(4) (+) (cm) = screen size (inches) x 0.35

(4) (-) (cm) = screen size (inches) x 1.59

<For screens with an aspect ratio of 4:3>

Projection lens	Projection Distance (3) Formula		Throw ratio ((3)/x)
ELPLX02 ELPLX02W	-	Projection distance (cm)= Projection screen size (inches) x 0.87-3.40	0.42
ELPLU04	Minimum	Projection distance (cm)= Projection screen size (inches) x 1.61-5.65	0.77 - 0.93
	Maximum	Projection distance (cm)= Projection screen size (inches) x 1.93-5.52	
ELPLW08	Minimum	Projection distance (cm)= Projection screen size (inches) x 2.13-3.92	1.03 - 1.46
	Maximum	Projection distance (cm)= Projection screen size (inches) x 2.99-5.10	
ELPLW06	Minimum	Projection distance (cm)= Projection screen size (inches) x 2.96-7.51	1.42 - 1.95
	Maximum	Projection distance (cm)= Projection screen size (inches) x 4.02-6.99	
ELPLM15	Minimum	Projection distance (cm)= Projection screen size (inches) x 3.91-8.18	1.89 - 3.07
	Maximum	Projection distance (cm)= Projection screen size (inches) x 6.31-8.02	
ELPLM10	Minimum	Projection distance (cm)= Projection screen size (inches) x 6.03-13.21	2.91 - 4.45
	Maximum	Projection distance (cm)= Projection screen size (inches) x 9.17-13.08	
ELPLM11	Minimum	Projection distance (cm)= Projection screen size (inches) x 8.84-23.86	4.25 - 6.49
	Maximum	Projection distance (cm)= Projection screen size (inches) x 13.39-23.55	
ELPLL08	Minimum	Projection distance (cm)= Projection screen size (inches) x 13.13-31.52	6.32 - 8.89
	Maximum	Projection distance (cm)= Projection screen size (inches) x 18.35-31.81	

Distance from the center of the lens to the base of the screen (except for ELPLX02/ELPLX02W):

(4) (+) (cm) = screen size (inches) x 0.15

(4) (-) (cm) = screen size (inches) x 1.68

Distance from the center of the lens to the base of the screen (ELPLX02/ELPLX02W):

(4) (+) (cm) = screen size (inches) x 0.30

(4) (-) (cm) = screen size (inches) x 1.83

Screen Size

Inch.	Width × Height		
	16:10	16:9	4:3
60	129 × 81	133 × 75	122 × 91
80	172 × 108	177 × 100	163 × 122
100	215 × 135	221 × 125	203 × 152
120	258 × 162	266 × 149	244 × 183
150	323 × 202	332 × 187	305 × 229
200	431 × 269	443 × 249	406 × 305
300	646 × 404	664 × 374	610 × 457
350	754 × 471	775 × 436	711 × 533
400	862 × 538	886 × 498	813 × 610
450	969 × 606	996 × 560	914 × 686
500	1077 × 673	1107 × 623	1016 × 762
550	1185 × 740	1218 × 685	1118 × 838
600	1292 × 808	1328 × 747	1219 × 914
650	1400 × 875	1439 × 809	1321 × 991
700	1508 × 942	1550 × 872	1422 × 1067
750	1615 × 1010	1660 × 934	1524 × 1143
800	1723 × 1077	1771 × 996	1626 × 1219
850	1831 × 1144	1882 × 1058	1727 × 1295
900	1939 × 1212	1992 × 1121	-
950	2046 × 1279	2103 × 1183	-
1000	2154 × 1346	-	-

■ Lens Compatibility Table

Lens Model Number	EB-L20002U/EB-L20000U
ELPLX01	-
ELPLX02 ELPLX02W	✔*1 *2
ELPLU03	- *3
ELPLU04	✔ *1
ELPLW05	- *3
ELPLW08	✔
ELPLW06	✔
ELPLM08	-
ELPLM09	- *3
ELPLM15	✔
ELPLM10	✔
ELPLM11	✔
ELPLL08	✔*1 *2
ELPLU02	- *3
ELPLR04	- *3
ELPLW04	- *3
ELPLS04	- *3
ELPLM06	- *3
ELPLM07	- *3
ELPLL07	- *3

*1 Screen Matching and Tiling Assist is not supported.

*2 Color Calibration is not supported.

*3 Can be used although the brightness is automatically limited to 12000 lm or less.

■ Lens Function Table

Lens Model Number	Function					
	Electronic zoom	Electronic focus	Electronic distortion	Lens shift	Lens memory	Lens type recognition
ELPLX02 ELPLX02W	-	✔	✔	✔	✔	✔
ELPLU04	✔	✔	✔	✔	✔	✔
ELPLW05	✔	✔	✔	✔	✔	✔
ELPLW08	✔	✔	✔	✔	✔	✔
ELPLW06	✔	✔	-	✔	✔	✔
ELPLM15	✔	✔	-	✔	✔	✔
ELPLM10	✔	✔	-	✔	✔	✔
ELPLM11	✔	✔	-	✔	✔	✔
ELPLL08	✔	✔	-	✔	✔	✔

■ Combinations of sources that can project in split screen

Left Screen Sources	Right Screen Sources												
	HDBaseT	SDI	Computer	BNC	LAN	HDMI (Slot1)	DVI-D (Slot1)	HDMI (Slot2)	DVI-D (Slot2)	DisplayPort1 (Slot1)	DisplayPort2 (Slot1)	DisplayPort1 (Slot2)	DisplayPort2 (Slot2)
HDBaseT	-	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
SDI	✔	-	-	-	-	✔	✔	✔	✔	✔	✔	✔	✔
Computer	✔	-	-	-	-	✔	✔	✔	✔	✔	✔	✔	✔
BNC	✔	-	-	-	-	✔	✔	✔	✔	✔	✔	✔	✔
LAN	✔	-	-	-	-	✔	✔	✔	✔	✔	✔	✔	✔
HDMI (Slot1)	✔	✔	✔	✔	✔	-	-	✔	✔	-	-	✔	✔
DVI-D (Slot1)	✔	✔	✔	✔	✔	-	-	✔	✔	-	-	✔	✔
HDMI (Slot2)	✔	✔	✔	✔	✔	✔	✔	-	-	✔	✔	-	-
DVI-D (Slot2)	✔	✔	✔	✔	✔	✔	✔	-	-	✔	✔	-	-
DisplayPort1 (Slot1)	✔	✔	✔	✔	✔	-	-	✔	✔	-	-	✔	✔
DisplayPort2 (Slot1)	✔	✔	✔	✔	✔	-	-	✔	✔	-	-	✔	✔
DisplayPort1 (Slot2)	✔	✔	✔	✔	✔	✔	✔	-	-	✔	✔	-	-
DisplayPort2 (Slot2)	✔	✔	✔	✔	✔	✔	✔	-	-	✔	✔	-	-

■ Supported Resolutions

Signals with check marks are supported.
Video signals in 12-bit color are processed and displayed in 10-bit color.

Input signals from the Computer In/BNC In/HDBaseT ports

Signal Information									Computer In BNC In		HDBaseT											
			Resolution		Frequency						YCbCr									RGB		
MODE	Signal Format	Link Type	Horizontal (dot)	Vertical (dot)	HSYNC (KHz)	VSYNC (Hz)	Dotclk (MHz)	Scan Type	YCbCr	RGBHV	4:2:0			4:2:2			4:4:4					
											8	10	12	8	10	12	8	10	12	8	10	12
PC	VGA60	Single	640	480	31.47	60	25.175	Progressive		✓										✓		
PC	VGA72	Single	640	480	37.86	72	31.500	Progressive		✓												
PC	VGA75	Single	640	480	37.50	75	31.500	Progressive		✓												
PC	VGA85	Single	640	480	43.27	85	36.000	Progressive		✓												
PC	SVGA60	Single	800	600	37.88	60	40.000	Progressive		✓										✓		
PC	SVGA72	Single	800	600	48.08	72	50.000	Progressive		✓												
PC	SVGA75	Single	800	600	46.88	75	49.500	Progressive		✓												
PC	SVGA85	Single	800	600	53.67	85	56.250	Progressive		✓												
PC	XGA60	Single	1024	768	48.36	60	65.000	Progressive		✓										✓		
PC	XGA70	Single	1024	768	56.48	70	75.000	Progressive		✓												
PC	XGA75	Single	1024	768	60.02	75	78.750	Progressive		✓												
PC	XGA85	Single	1024	768	68.68	85	94.500	Progressive		✓												
PC	WXGA60-1	Single	1280	768	47.78	60	79.500	Progressive		✓												
PC	WXGA60	Single	1280	800	49.70	60	83.500	Progressive		✓										✓		
PC	WXGA75	Single	1280	800	62.80	75	106.500	Progressive		✓												
PC	WXGA85	Single	1280	800	71.55	85	122.500	Progressive		✓												
PC	WXGA60-3	Single	1366	768	47.71	60	85.500	Progressive		✓										✓		
PC	WXGA+60	Single	1440	900	55.94	60	106.500	Progressive		✓										✓		
PC	WXGA+75	Single	1440	900	70.64	75	136.750	Progressive		✓												
PC	WXGA+85	Single	1440	900	80.43	85	157.000	Progressive		✓												
PC	WXGA++	Single	1600	900	60.00	60	108.000	Progressive		✓										✓		
PC	SXGA1_70	Single	1152	864	63.85	70	94.500	Progressive		✓												
PC	SXGA1_75	Single	1152	864	67.50	75	108.000	Progressive		✓												
PC	SXGA1_85	Single	1152	864	77.09	85	121.500	Progressive		✓												
PC	SXGA2_60	Single	1280	960	60.00	60	108.000	Progressive		✓										✓		
PC	SXGA2_75	Single	1280	960	75.00	75	126.000	Progressive		✓												
PC	SXGA2_85	Single	1280	960	85.94	85	148.500	Progressive		✓												
PC	SXGA3_60	Single	1280	1024	63.98	60	108.000	Progressive		✓										✓		
PC	SXGA3_75	Single	1280	1024	79.98	75	135.000	Progressive		✓												
PC	SXGA3_85	Single	1280	1024	91.15	85	157.500	Progressive		✓												
PC	SXGA+60	Single	1400	1050	65.32	60	121.750	Progressive		✓										✓		
PC	SXGA+75	Single	1400	1050	82.28	75	156.000	Progressive		✓												
PC	WSXGA+60	Single	1680	1050	65.29	60	146.250	Progressive		✓*										✓		
PC	UXGA60	Single	1600	1200	75.00	60	162.000	Progressive		✓										✓		
PC	1920x1080	Single	1920	1080	56.25	50	148.500	Progressive		✓										✓		
PC	1920x1080	Single	1920	1080	67.50	60	148.500	Progressive		✓										✓		
PC	WUXGA60 (Reduced Blanking)	Single	1920	1200	74.04	60	154.000	Progressive		✓										✓		
PC	QXGA	Single	2048	1536	95.45	60	267.250	Progressive												✓		
PC	WQHD	Single	2560	1440	88.79	60	241.500	Progressive												✓		
PC	WQXGA (Reduced Blanking)	Single	2560	1600	98.71	60	268.500	Progressive												✓		
SD	SDTV (480i)	Single	720	480	15.73	59.94	13.500	Interlace	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
SD	SDTV (576i)	Single	720	576	15.63	50	13.500	Interlace	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
SD	SDTV (480p)	Single	720	480	31.47	59.94	27.000	Progressive	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
SD	SDTV (576p)	Single	720	576	31.25	50	27.000	Progressive	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (720p)	Single	1280	720	37.50	50	74.250	Progressive	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (720p)	Single	1280	720	44.96	59.94	74.176	Progressive	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (720p)	Single	1280	720	45.00	60	74.250	Progressive	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080i)	Single	1920	1080	28.13	50	74.250	Interlace	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080i)	Single	1920	1080	33.72	59.94	74.176	Interlace	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080i)	Single	1920	1080	33.75	60	74.250	Interlace	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	26.97	23.98	74.176	Progressive						✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	27.00	24	74.250	Progressive						✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	28.13	25	74.250	Progressive														
HD	HDTV (1080p)	Single	1920	1080	33.72	29.97	74.176	Progressive						✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	33.75	30	74.250	Progressive						✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	56.25	50	148.500	Progressive		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	67.43	59.94	148.352	Progressive		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	67.50	60	148.500	Progressive		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓

Signal Information									Computer In BNC In		HDBaseT											
MODE	Signal Format	Link Type	Resolution		Frequency			Scan Type	YCbCr	RGBHV	YCbCr									RGB		
			Horizontal (dot)	Vertical (dot)	HSYNC (KHz)	VSYNC (Hz)	Dotclk (MHz)				4:2:0			4:2:2			4:4:4					
											8	10	12	8	10	12	8	10	12	8	10	12
4K	4K (3840x2160)	Single	3840	2160	53.95	23.98	296.703	Progressive						✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	54.00	24	297.000	Progressive						✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	56.25	25	297.000	Progressive						✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	67.43	29.97	296.703	Progressive						✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	67.50	30	297.000	Progressive						✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	112.50	50	297.000	Progressive			✓											
4K	4K (3840x2160)	Single	3840	2160	134.87	59.94	296.703	Progressive			✓											
4K	4K (3840x2160)	Single	3840	2160	135.00	60	297.000	Progressive			✓											
4K	4K (3840x2160)	Single	3840	2160	112.50	50	594.000	Progressive														
4K	4K (3840x2160)	Single	3840	2160	134.87	59.94	593.407	Progressive														
4K	4K (3840x2160)	Single	3840	2160	135.00	60	594.000	Progressive														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	53.95	23.98	296.703	Progressive						✓	✓	✓	✓			✓		
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	54.00	24	297.000	Progressive						✓	✓	✓	✓			✓		
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	56.25	25	297.000	Progressive														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	67.43	29.97	296.703	Progressive														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	67.50	30	297.000	Progressive														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	112.50	50	297.000	Progressive			✓											
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	134.87	59.94	296.703	Progressive			✓											
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	135.00	60	297.000	Progressive			✓											
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	112.50	50	594.000	Progressive														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	134.87	59.94	593.407	Progressive														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	135.00	60	594.000	Progressive														

* Only when [Wide] is selected in [Resolution] from the [Signal] menu

Input signals from the SDI In port

Signal Information											SDI In											
MODE	Signal Format	Link Type	Level/Type	Division	SMPTE	Resolution		Frequency			Scan Type	YCbCr									RGB		
						Horizontal (dot)	Vertical (dot)	HSYNC (KHz)	VSYNC (Hz)	Dotclk (MHz)		4:2:0			4:2:2			4:4:4					
												8	10	12	8	10	12	8	10	12	8	10	12
SD-SDI	NTSC	Single	-	-	-	720	480	15.73	59.94	13.500	Interlace					✓							
SD-SDI	PAL	Single	-	-	-	720	576	15.63	50	13.500	Interlace					✓							
HD-SDI	-	Single	-	-	-	1280	720	37.50	50	74.250	Progressive					✓							
HD-SDI	-	Single	-	-	-	1280	720	44.96	59.94	74.176	Progressive					✓							
HD-SDI	-	Single	-	-	-	1280	720	45.00	60	74.250	Progressive					✓							
HD-SDI	-	Single	-	-	-	1920	1080	28.13	50	74.250	Interlace					✓							
HD-SDI	-	Single	-	-	-	1920	1080	33.72	59.94	74.176	Interlace					✓							
HD-SDI	-	Single	-	-	-	1920	1080	33.75	60	74.250	Interlace					✓							
HD-SDI	-	Single	-	-	-	1920	1080	26.97	23.98	74.176	Progressive					✓							
HD-SDI	-	Single	-	-	-	1920	1080	27.00	24	74.250	Progressive					✓							
HD-SDI	-	Single	-	-	-	1920	1080	28.13	25	74.250	Progressive					✓							
HD-SDI	-	Single	-	-	-	1920	1080	33.72	29.97	74.176	Progressive					✓							
HD-SDI	-	Single	-	-	-	1920	1080	33.75	30	74.250	Progressive					✓							
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	28.13	50	148.500	Interlace											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	33.72	59.94	148.352	Interlace											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	33.75	60	148.500	Interlace											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	26.97	23.98	148.352	Progressive											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	27.00	24	148.500	Progressive											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	28.13	25	148.500	Progressive											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	33.72	29.97	148.352	Progressive											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	33.75	30	148.500	Progressive											✓	
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	56.25	50	148.500	Progressive					✓							
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	67.43	59.94	148.352	Progressive					✓							
3G-SDI	-	Single	Level A	-	ST425-1	1920	1080	67.50	60	148.500	Progressive					✓							

Input signals from the HDMI/DVI-D interface board ELPIF01 (installed as standard)

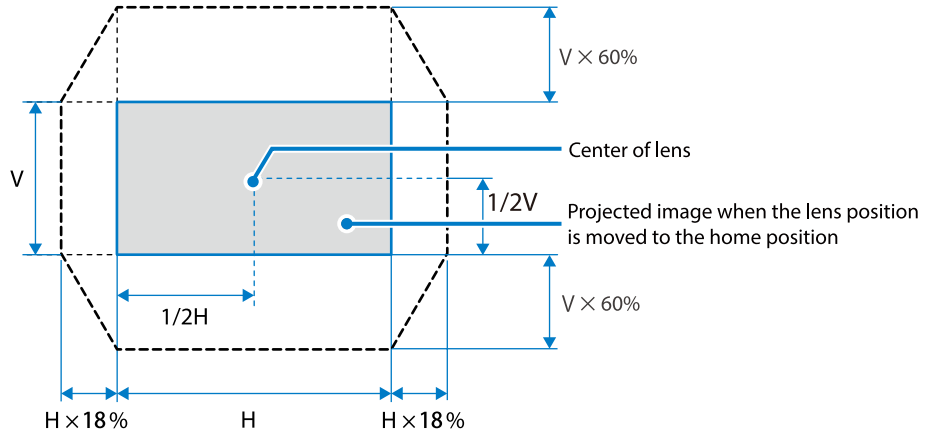
Signal Information									HDMI In												DVI-D In											
MODE	Signal Format	Link Type	Resolution		Frequency			Scan Type	YCbCr									RGB			YCbCr									RGB		
			Horizontal (dot)	Vertical (dot)	HSYNC (KHz)	VSYNC (Hz)	Dotclk (MHz)		4:2:0			4:2:2			4:4:4						4:2:0			4:2:2			4:4:4					
									8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
PC	VGA60	Single	640	480	31.47	60	25.175	Progressive										✓												✓		
PC	VGA72	Single	640	480	37.86	72	31.500	Progressive																								
PC	VGA75	Single	640	480	37.50	75	31.500	Progressive																								
PC	VGA85	Single	640	480	43.27	85	36.000	Progressive																								
PC	SVGA60	Single	800	600	37.88	60	40.000	Progressive										✓												✓		
PC	SVGA72	Single	800	600	48.08	72	50.000	Progressive																								
PC	SVGA75	Single	800	600	46.88	75	49.500	Progressive																								
PC	SVGA85	Single	800	600	53.67	85	56.250	Progressive																								
PC	XGA60	Single	1024	768	48.36	60	65.000	Progressive										✓												✓		
PC	XGA70	Single	1024	768	56.48	70	75.000	Progressive																								
PC	XGA75	Single	1024	768	60.02	75	78.750	Progressive																								
PC	XGA85	Single	1024	768	68.68	85	94.500	Progressive																								
PC	WXGA60-1	Single	1280	768	47.78	60	79.500	Progressive																								
PC	WXGA60	Single	1280	800	49.70	60	83.500	Progressive										✓												✓		
PC	WXGA75	Single	1280	800	62.80	75	106.500	Progressive																								
PC	WXGA85	Single	1280	800	71.55	85	122.500	Progressive																								
PC	WXGA60-3	Single	1366	768	47.71	60	85.500	Progressive										✓												✓		
PC	WXGA+60	Single	1440	900	55.94	60	106.500	Progressive										✓												✓		
PC	WXGA+75	Single	1440	900	70.64	75	136.750	Progressive																								
PC	WXGA+85	Single	1440	900	80.43	85	157.000	Progressive																								
PC	WXGA++	Single	1600	900	60.00	60	108.000	Progressive										✓												✓		
PC	SXGA1_70	Single	1152	864	63.85	70	94.500	Progressive																								
PC	SXGA1_75	Single	1152	864	67.50	75	108.000	Progressive																								
PC	SXGA1_85	Single	1152	864	77.09	85	121.500	Progressive																								
PC	SXGA2_60	Single	1280	960	60.00	60	108.000	Progressive										✓												✓		
PC	SXGA2_75	Single	1280	960	75.00	75	126.000	Progressive																								
PC	SXGA2_85	Single	1280	960	85.94	85	148.500	Progressive																								
PC	SXGA3_60	Single	1280	1024	63.98	60	108.000	Progressive										✓												✓		
PC	SXGA3_75	Single	1280	1024	79.98	75	135.000	Progressive																								
PC	SXGA3_85	Single	1280	1024	91.15	85	157.500	Progressive																								
PC	SXGA+60	Single	1400	1050	65.32	60	121.750	Progressive										✓												✓		
PC	SXGA+75	Single	1400	1050	82.28	75	156.000	Progressive																								
PC	WSXGA+60	Single	1680	1050	65.29	60	146.250	Progressive										✓												✓		
PC	UXGA60	Single	1600	1200	75.00	60	162.000	Progressive										✓												✓		
PC	1920x1080	Single	1920	1080	56.25	50	148.500	Progressive										✓												✓		
PC	1920x1080	Single	1920	1080	67.50	60	148.500	Progressive										✓												✓		
PC	WUXGA60 (Reduced Blanking)	Single	1920	1200	74.04	60	154.000	Progressive										✓												✓		
PC	QXGA	Single	2048	1536	95.45	60	267.250	Progressive										✓														
PC	WQHD	Single	2560	1440	88.79	60	241.500	Progressive										✓														
PC	WQXGA (Reduced Blanking)	Single	2560	1600	98.71	60	268.500	Progressive										✓														
SD	SDTV (480i)	Single	720	480	15.73	59.94	13.500	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
SD	SDTV (576i)	Single	720	576	15.63	50	13.500	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
SD	SDTV (480p)	Single	720	480	31.47	59.94	27.000	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
SD	SDTV (576p)	Single	720	576	31.25	50	27.000	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (720p)	Single	1280	720	37.50	50	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (720p)	Single	1280	720	44.96	59.94	74.176	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (720p)	Single	1280	720	45.00	60	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080i)	Single	1920	1080	28.13	50	74.250	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080i)	Single	1920	1080	33.72	59.94	74.176	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080i)	Single	1920	1080	33.75	60	74.250	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	26.97	23.98	74.176	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	27.00	24	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	28.13	25	74.250	Progressive																								
HD	HDTV (1080p)	Single	1920	1080	33.72	29.97	74.176	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	33.75	30	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	56.25	50	148.500	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	67.43	59.94	148.352	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
HD	HDTV (1080p)	Single	1920	1080	67.50	60	148.500	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓										✓		
4K	4K (3840x2160)	Single	3840	2160	53.95	23.98	296.703	Progressive				✓	✓	✓	✓			✓														
4K	4K (3840x2160)	Single	3840	2160	54.00	24	297.000	Progressive				✓	✓	✓	✓			✓														
4K	4K (3840x2160)	Single	3840	2160	56.25	25	297.000	Progressive				✓	✓	✓	✓			✓														
4K	4K (3840x2160)	Single	3840	2160	67.43	29.97	296.703	Progressive				✓	✓	✓	✓			✓														
4K	4K (3840x2160)	Single	3840	2160	67.50	30	297.000	Progressive				✓	✓	✓	✓			✓														
4K	4K (3840x2160)	Single	3840	2160	112.50	50	297.000	Progressive	✓																							
4K	4K (3840x2160)	Single	3840	2160	134.87	59.94	296.703	Progressive	✓																							
4K	4K (3840x2160)	Single	3840	2160	135.00	60	297.000	Progressive	✓																							
4K	4K (3840x2160)	Single	3840	2160	112.50	50	594.000	Progressive																								
4K	4K (3840x2160)	Single	3840	2160	134.87	59.94	593.407	Progressive																								
4K	4K (3840x2160)	Single	3840	2160	135.00	60	594.000	Progressive																								
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	53.95	23.98	296.703	Progressive				✓	✓	✓	✓			✓														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	54.00	24	297.000	Progressive				✓	✓	✓	✓			✓														
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	56.25	25	297.000	Progressive																								
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	67.43	29.97	296.703	Progressive																								
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	67.50	30	297.000	Progressive																								
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	112.50	50	297.000	Progressive	✓																							
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	134.87	59.94	296.703	Progressive	✓																							
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	135.00	60	297.000	Progressive	✓																							
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	112.50	50	594.000	Progressive																								
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	134.87	59.94	593.407	Progressive																								
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	135.00	60	594.000	Progressive																								

Input signals from the DisplayPort interface board ELPIF03 (optional)

Signal Information									DisplayPort In											
MODE	Signal Format	Link Type	Resolution		Frequency			Scan Type	YCbCr									RGB		
			Horizontal (dot)	Vertical (dot)	HSYNC (KHz)	VSYNC (Hz)	Dotclk (MHz)		4:2:0			4:2:2			4:4:4					
									8	10	12	8	10	12	8	10	12	8	10	12
PC	VGA60	Single	640	480	31.47	60	25.175	Progressive										✓		
PC	VGA72	Single	640	480	37.86	72	31.500	Progressive												
PC	VGA75	Single	640	480	37.50	75	31.500	Progressive												
PC	VGA85	Single	640	480	43.27	85	36.000	Progressive												
PC	SVGA60	Single	800	600	37.88	60	40.000	Progressive										✓		
PC	SVGA72	Single	800	600	48.08	72	50.000	Progressive												
PC	SVGA75	Single	800	600	46.88	75	49.500	Progressive												
PC	SVGA85	Single	800	600	53.67	85	56.250	Progressive												
PC	XGA60	Single	1024	768	48.36	60	65.000	Progressive										✓		
PC	XGA70	Single	1024	768	56.48	70	75.000	Progressive												
PC	XGA75	Single	1024	768	60.02	75	78.750	Progressive												
PC	XGA85	Single	1024	768	68.68	85	94.500	Progressive												
PC	WXGA60-1	Single	1280	768	47.78	60	79.500	Progressive												
PC	WXGA60	Single	1280	800	49.70	60	83.500	Progressive										✓		
PC	WXGA75	Single	1280	800	62.80	75	106.500	Progressive												
PC	WXGA85	Single	1280	800	71.55	85	122.500	Progressive												
PC	WXGA60-3	Single	1366	768	47.71	60	85.500	Progressive										✓		
PC	WXGA+60	Single	1440	900	55.94	60	106.500	Progressive										✓		
PC	WXGA+75	Single	1440	900	70.64	75	136.750	Progressive												
PC	WXGA+85	Single	1440	900	80.43	85	157.000	Progressive												
PC	WXGA++	Single	1600	900	60.00	60	108.000	Progressive										✓		
PC	SXGA1_70	Single	1152	864	63.85	70	94.500	Progressive												
PC	SXGA1_75	Single	1152	864	67.50	75	108.000	Progressive												
PC	SXGA1_85	Single	1152	864	77.09	85	121.500	Progressive												
PC	SXGA2_60	Single	1280	960	60.00	60	108.000	Progressive										✓		
PC	SXGA2_75	Single	1280	960	75.00	75	126.000	Progressive												
PC	SXGA2_85	Single	1280	960	85.94	85	148.500	Progressive												
PC	SXGA3_60	Single	1280	1024	63.98	60	108.000	Progressive										✓		
PC	SXGA3_75	Single	1280	1024	79.98	75	135.000	Progressive												
PC	SXGA3_85	Single	1280	1024	91.15	85	157.500	Progressive												
PC	SXGA+60	Single	1400	1050	65.32	60	121.750	Progressive										✓		
PC	SXGA+75	Single	1400	1050	82.28	75	156.000	Progressive												
PC	WSXGA+60	Single	1680	1050	65.29	60	146.250	Progressive										✓		
PC	UXGA60	Single	1600	1200	75.00	60	162.000	Progressive										✓		
PC	1920x1080	Single	1920	1080	56.25	50	148.500	Progressive										✓		
PC	1920x1080	Single	1920	1080	67.50	60	148.500	Progressive										✓		
PC	WUXGA60 (Reduced Blanking)	Single	1920	1200	74.04	60	154.000	Progressive										✓		
PC	QXGA	Single	2048	1536	95.45	60	267.250	Progressive										✓		
PC	WQHD	Single	2560	1440	88.79	60	241.500	Progressive										✓		
PC	WQXGA (Reduced Blanking)	Single	2560	1600	98.71	60	268.500	Progressive										✓		
SD	SDTV (480i)	Single	720	480	15.73	59.94	13.500	Interlace												
SD	SDTV (576i)	Single	720	576	15.63	50	13.500	Interlace												
SD	SDTV (480p)	Single	720	480	31.47	59.94	27.000	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
SD	SDTV (576p)	Single	720	576	31.25	50	27.000	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (720p)	Single	1280	720	37.50	50	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (720p)	Single	1280	720	44.96	59.94	74.176	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (720p)	Single	1280	720	45.00	60	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080i)	Single	1920	1080	28.13	50	74.250	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080i)	Single	1920	1080	33.72	59.94	74.176	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080i)	Single	1920	1080	33.75	60	74.250	Interlace				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	26.97	23.98	74.176	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	27.00	24	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	28.13	25	74.250	Progressive												
HD	HDTV (1080p)	Single	1920	1080	33.72	29.97	74.176	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	33.75	30	74.250	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	56.25	50	148.500	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	67.43	59.94	148.352	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
HD	HDTV (1080p)	Single	1920	1080	67.50	60	148.500	Progressive				✓	✓	✓	✓	✓	✓	✓	✓	✓
4K	4K (3840x2160)	Single	3840	2160	53.95	23.98	296.703	Progressive				✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	54.00	24	297.000	Progressive				✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	56.25	25	297.000	Progressive				✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	67.43	29.97	296.703	Progressive				✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	67.50	30	297.000	Progressive				✓	✓	✓	✓			✓		
4K	4K (3840x2160)	Single	3840	2160	112.50	50	297.000	Progressive												
4K	4K (3840x2160)	Single	3840	2160	134.87	59.94	296.703	Progressive												
4K	4K (3840x2160)	Single	3840	2160	135.00	60	297.000	Progressive												
4K	4K (3840x2160)	Single	3840	2160	112.50	50	594.000	Progressive												
4K	4K (3840x2160)	Single	3840	2160	134.87	59.94	593.407	Progressive												
4K	4K (3840x2160)	Single	3840	2160	135.00	60	594.000	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	53.95	23.98	296.703	Progressive				✓	✓	✓	✓			✓		
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	54.00	24	297.000	Progressive				✓	✓	✓	✓			✓		
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	56.25	25	297.000	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	67.43	29.97	296.703	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	67.50	30	297.000	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	112.50	50	297.000	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	134.87	59.94	296.703	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	135.00	60	297.000	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	112.50	50	594.000	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	134.87	59.94	593.407	Progressive												
4K	4K(4096x2160) (SMPTE)	Single	4096	2160	135.00	60	594.000	Progressive												

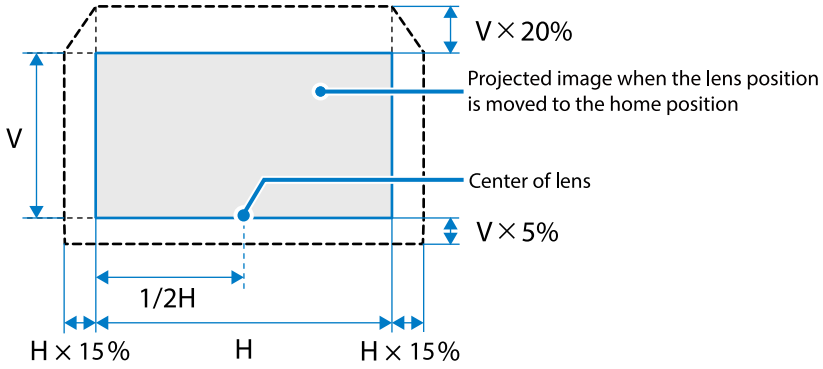
■ Available Lens Shift Adjustment Range

The ranges within which the image can be moved are shown below.
When using the ELPLU04/ELPLW06/ELPLW08/ELPLM10/ELPLM11/ELPLM15/ELPLL08



* When the horizontal direction is at the maximum value, the image cannot be moved upward.

When using the ELPLX02/ELPLX02W



* When the horizontal direction is at the maximum value, the image cannot be moved upward.

■ Available Keystone Correction Range

H/V-Keystone

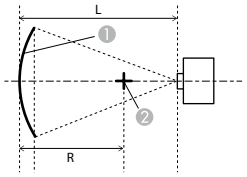
If the projector's angle of tilt is within the following range, you can correct distortion in the projected image by using the H/V-Keystone correction function.

Lens type	Vertical	Horizontal
ELPLM15	-44˚ - 44˚	-30˚ - 30˚
ELPLX02 ELPLX02W	-16˚ - 16˚	-16˚ - 16˚
ELPLU04	-31˚ - 31˚	-30˚ - 30˚
ELPLW06	-41˚ - 41˚	-30˚ - 30˚
ELPLW08	-37˚ - 37˚	-30˚ - 30˚
ELPLM10	-45˚ - 45˚	-30˚ - 30˚
ELPLM11	-45˚ - 45˚	-30˚ - 30˚
ELPLL08	-45˚ - 45˚	-30˚ - 30˚

Curved Surface

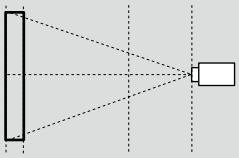
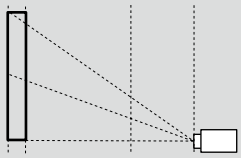
The values in the table are the minimum values for R/L in the illustration. (Approximate value when projecting at maximum zoom.) When the ELPLX02/ELPLX02W are in the home position, the optical axis and the bottom edge of the projected image are in the same position.

Horizontally curved surface (concave)



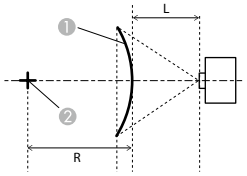
Top view

1 Screen
2 Center of the circle of which the curved surface is an arc
L Projection distance
R Radius of the circle of which the curved surface is an arc

Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	0.27	0.28
ELPLX02 ELPLX02W	2.37*	2.84
ELPLU04	0.45	0.53
ELPLW06	0.33	0.34
ELPLW08	0.39	0.40
ELPLM10	0.19	0.20
ELPLM11	0.14	0.14
ELPLL08	0.10	0.10

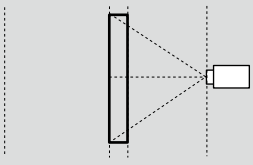
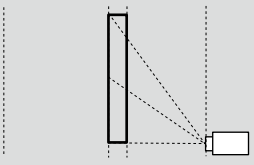
* Cannot correct properly. Move the lens position to the bottom.

Horizontally curved surface (convex)



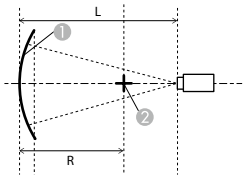
Top view

1 Screen
2 Center of the circle of which the curved surface is an arc
L Projection distance
R Radius of the circle of which the curved surface is an arc

Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	0.52	0.54
ELPLX02 ELPLX02W	3.52*	3.52
ELPLU04	2.21	2.35
ELPLW06	0.79	0.82
ELPLW08	1.32	1.39
ELPLM10	0.29	0.30
ELPLM11	0.18	0.19
ELPLL08	0.12	0.12

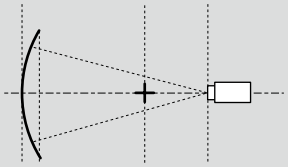
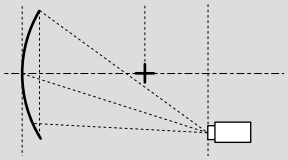
* Cannot correct properly. Move the lens position to the bottom.

Vertically curved surface (concave)



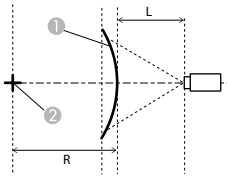
Side view

1 Screen
2 Center of the circle of which the curved surface is an arc
L Projection distance
R Radius of the circle of which the curved surface is an arc

Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	0.19	0.22
ELPLX02 ELPLX02W	1.33*	2.09
ELPLU04	0.37	0.62
ELPLW06	0.24	0.29
ELPLW08	0.31	0.42
ELPLM10	0.13	0.15
ELPLM11	0.10	0.11
ELPLL08	0.08	0.08

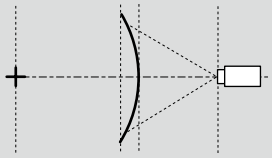
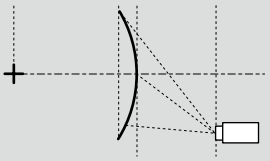
* Cannot correct properly. Move the lens position to the bottom.

Vertically curved surface (convex)



Side view

1 Screen
2 Center of the circle of which the curved surface is an arc
L Projection distance
R Radius of the circle of which the curved surface is an arc

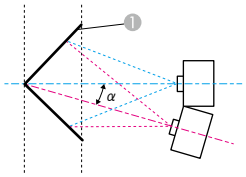
Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	0.28	0.32
ELPLX02 ELPLX02W	3.52*	3.52
ELPLU04	1.10	1.29
ELPLW06	0.41	0.48
ELPLW08	0.68	0.80
ELPLM10	0.16	0.19
ELPLM11	0.11	0.12
ELPLL08	0.08	0.08

* Cannot correct properly. Move the lens position to the bottom.

Corner Wall

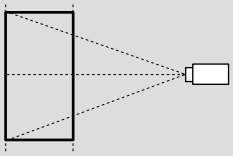
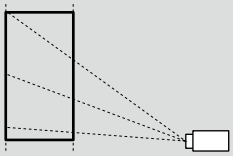
The α in the figure is the maximum angle in which the projector can move. See the table below for detailed values. (Approximate value when projecting at maximum zoom.)

Concave horizontal corner correction (correction to bilateral symmetry by using corners as the center line)



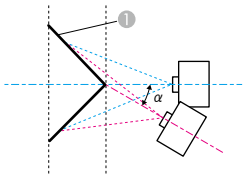
Top view

1 Screen
α Movable angle of the projector

Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	31˚	25˚
ELPLX02 ELPLX02W	6˚*	-
ELPLU04	29˚	11˚
ELPLW06	32˚	21˚
ELPLW08	31˚	16˚
ELPLM10	30˚	30˚
ELPLM11	29˚	29˚
ELPLL08	29˚	28˚

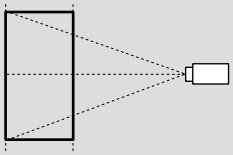
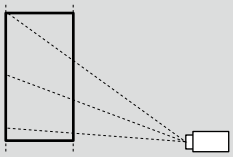
* Cannot correct properly. Move the lens position to the bottom.

Convex horizontal corner correction (correction to bilateral symmetry by using corners as the center line)

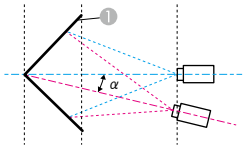


Top view

1 Screen
α Movable angle of the projector

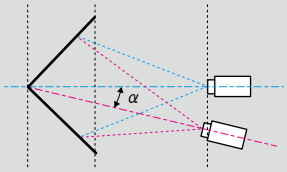
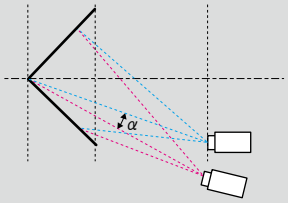
Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	15˚	15˚
ELPLX02 ELPLX02W	-	-
ELPLU04	-	-
ELPLW06	11˚	11˚
ELPLW08	5˚	5˚
ELPLM10	19˚	19˚
ELPLM11	22˚	21˚
ELPLL08	23˚	23˚

Concave vertical corner correction (correction to horizontal symmetry by using corners as the center line)

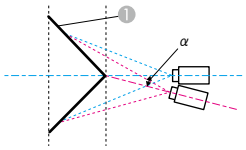


Side view

1 Screen
α Movable angle of the projector

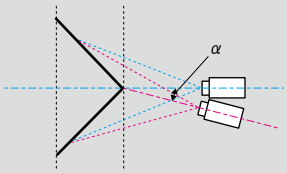
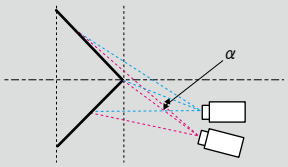
Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	29˚	14˚
ELPLX02 ELPLX02W	-	-
ELPLU04	33˚	2˚
ELPLW06	31˚	13˚
ELPLW08	32˚	9˚
ELPLM10	25˚	16˚
ELPLM11	24˚	17˚
ELPLL08	23˚	19˚

Convex vertical corner correction (correction to horizontal symmetry by using corners as the center line)



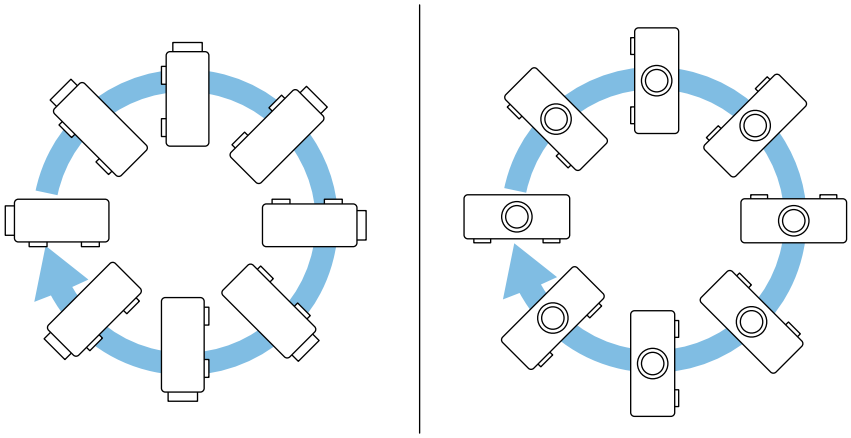
Side view

1 Screen
α Movable angle of the projector

Lens type	Vertical lens shift: Home position  Side view	Vertical lens shift: Top  Side view
ELPLM15	20˚	8˚
ELPLX02 ELPLX02W	-	-
ELPLU04	9˚	-
ELPLW06	17˚	3˚
ELPLW08	14˚	-
ELPLM10	22˚	14˚
ELPLM11	22˚	16˚
ELPLL08	22˚	17˚

■ Installation Angle

You can install the projector or mount it to the ceiling at any horizontal or vertical angle.



Tilt adjustment

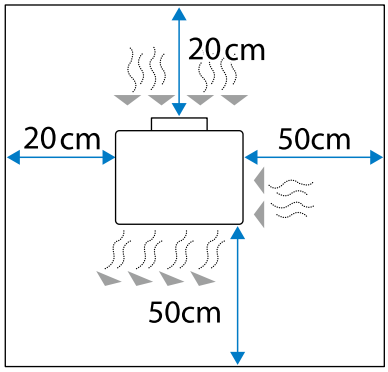
You can extend and retract the foot to tilt the projector vertically or horizontally within approx. ± 2° .

■ Installation Environment

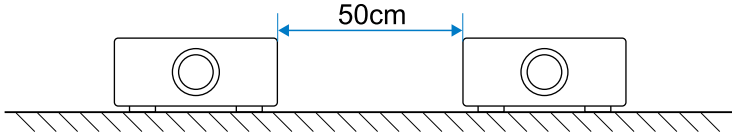
⚠ Warning

Do not cover the projector's air intake or air exhaust vents. If the vents are covered, the internal temperature could rise and cause a fire.

- Be sure to leave the following amount of space around the projector so as not to block the air exhaust and intake vents. Do not install the projector in an enclosed location such as a shelf or box, where air does not circulate.

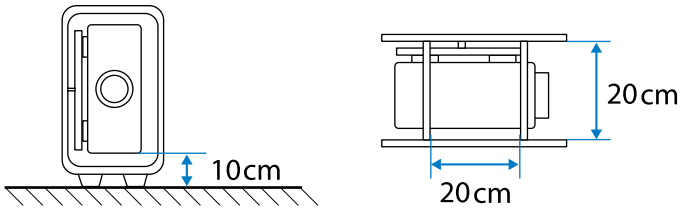


- When setting up multiple projectors side-by-side, make sure there is a gap of at least 50 cm between the projectors. Also, make sure that the heat from the air exhaust vent does not go into the air intake vent.



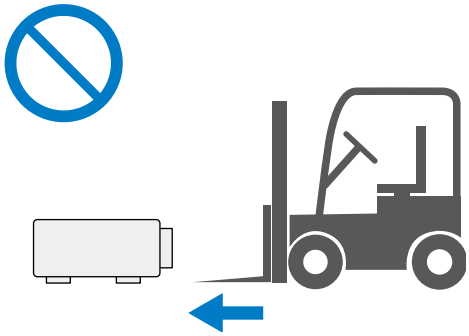
- Note the following points when projecting from projectors directly on top of another.
  - Do not stack three or more projectors.
  - Tilt the projector within the extendable range of the feet.
  - Install the projector so that it does not fall over.
  - When using the projector's feet, make sure that all of the feet are firmly placed on the projector below.

- When installing the projector with the air intake vent facing down, make sure there is a gap of at least 10 cm between the projector and the floor and so on.
  Make sure there is a space of 20 × 20 cm for the base so that the air intake vent is not blocked.



For more details, see the "Safety Warning and Cautions" in the "User's Guide".

When lifting the projector with a forklift and so on, do not insert the fork from the front (lens side) of the projector. This could crack the lens unit or damage the projector.
When inserting the fork, insert from the back or from the side.



■ Monitoring and Control

The projector can be monitored and controlled using the following methods. For more details, see the "User's Guide" supplied with the projector.

● ESC/VP21 commands

- When the projector is connected to a computer with an RS-232C cable, you can control the projector with communication commands.
- You can control the projector from a computer connected to the optional HDBaseT transmitter with an RS-232C cable.

● Epson Web Control

By using a Web browser of a computer or mobile device connected to the projector on a network, you can set functions and control the projector.

● PJLink commands

PJLink was established by the JBMIA (Japan Business Machine and Information System Industries Association) as a standard protocol for controlling network-compatible projector's as part of their efforts to standardize projector control protocols.
The projector complies with the PJLink Class2 standard established by the JBMIA. From a computer connected to the projector on a network, you can control the projector with PJLink commands.

● Art-Net commands

Art-Net uses an Ethernet communication protocol based on the TCP/IP protocols.
You can control the projector by using a DMX controller or an application system.

● Epson Projector Management (Software provided by Epson)

Allows you to control multiple Epson projectors on a network. You can download Epson Projector Management from the following Web site.
http://www.epson.com/

ESC/VP21 Command List

When the power ON command is transmitted to the projector, the power turns on and it enters warm-up mode. When the projector's power has turned on, a colon ":" (3Ah) is returned.
When a command is input, the projector executes the command and returns a ":", and then accepts the next command.
If the command being processed terminates abnormally, an error message is output and a ":" is returned.

Projector Menus

INC: Increase the setting value/DEC: Decrease the setting value/INIT: Return to defaults

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
Power Control	Power on	PWR ON	✔	✔
	Power off	PWR OFF	✔	✔
	Power status query	PWR?	✔	✔
		Return code		00: Standby condition 01: Normal status 02: Warm-up status 03: Cool down status 04: Network monitoring status /Communication standby 05: Error standby status 09: A/V Standby
Projection screen adjustment	Setting vertical keystone correction/Acquiring the setting value	VKEYSTONE x1	✔	✔
		VKEYSTONE?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting horizontal keystone correction/Acquiring the setting value	HKEYSTONE x1	✔	✔
		HKEYSTONE?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting vertical balance/ Acquiring the setting value	VBALANCE x1	✔	✔
		VBALANCE?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting horizontal balance/ Acquiring the setting value	HBALANCE x1	✔	✔
		HBALANCE?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Quick Corner coordinates/Acquiring the setting value	QC x1 x2 x3 x4 x5 x6 x7 x8	✔	✔
		Parameter		x1-x8: 0-9999 Specify in the order: top left (x, y), top right (x,y), bottom right (x, y), bottom left (x, y)
		QC?	✔	✔
		Return code		0-9999 Coordinates (x, y) for 4 points are divided into 4 lines and returned
	Setting Quick Corner (Vector)	QCV x1 x2 x3 x4 x5 x6 x7 x8	✔	✔
		Parameter		x1-x8: 0-99 Specify in the order: top left (x, y), top right (x,y), bottom right (x, y), bottom left (x, y)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting Quick Corner (Coordinates movement)	QCMV control direction movement	✔	✔
		Parameter		control: Assign Quick Corner control position 01: Left-top 02: Right-top 03: Right-bottom 04: Left-bottom INIT (settings only) direction: Assign direction 01: Move to upper 02: Move to lower 03: Move to left 04: Move to right movement: Input the movement value Only "INC" command is available (Settings only)
	Setting/Acquiring geometry correction method	CORRECTMET x1	✔	✔
		CORRECTMET?	✔	✔
		Return code		00: Off 01: H/V-Keystone 02: Quick Corner 03: Point Correction 04: Arc Correction/Curved Surface 05: Corner Wall
	Geometry correction Load Memory	POPGC x1	✔	✔
		Parameter		01: Memory1 02: Memory2 03: Memory3
	Geometry correction Save Memory	PUSHGC x1	✔	✔
		Parameter		01: Memory1 02: Memory2 03: Memory3
	Geometry correction Erase Memory	ERASEGC x1	✔	✔
		Parameter		00: ALL (Reset all Geometric Correction memories) 01: Memory1 02: Memory2 03: Memory3
	Geometry correction Rename/Acquiring Memory name	NAMEGC x1 x2	✔	✔
		Parameter		x1 Memory No. 01: Memory1 02: Memory2 03: Memory3 x2 Custom name (ASCII code)
		NAMEGC? x1	✔	✔
		Parameter		Same as the 1st parameter for NAMEGC
		Return code		Same as the 2nd parameter for NAMEGC

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting Aspect ratio/ Acquiring the setting value	ASPECT x1	✔	✔
		ASPECT?	✔	✔
		Parameter/Return code		(When the Screen Type = <4:3>) 00: Normal 10: 4:3 20: 16:9 30: Auto 50: H-Zoom 60: Native A0: V-Zoom INIT (settings only) (When the Screen Type = <16:9>) 00: Normal 30: Auto 40: Full 50: H-Zoom 60: Native A0: V-Zoom INIT (settings only) (When the Screen Type = <16:10>) 00: Normal 20: 16:9 30: Auto 40: Full 50: H-Zoom 60: Native A0: V-Zoom INIT (settings only) If <Auto> is selected (acquiring only) x1: Mode x2: Auto Parameter (= 30)
	Setting Screen Type/ Acquiring the setting value	SCFORMAT mode param	✔	✔
		SCFORMAT? mode	✔	✔
		Parameter/Return code		01: Screen Type Settings 01: 4: 3 02: 16: 9 03: 16: 10 02: Screen Position Settings C19 (-999) to 000 to 3E7 (999) INIT (settings only)
	Setting Brightness Setting/ Light Source Mode/Acquiring the setting value	LUMINANCE x1	✔	✔
		LUMINANCE?	✔	✔
		Parameter/Return code		00: Normal 01: Quiet 04: Extended 05: Customized INIT (settings only)
	Setting Brightness Level/ Acquiring the setting value	LUMLEVEL level	✔	✔
		LUMLEVEL?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting/Acquiring Constant Brightness	LUMCONST x1	✔	✔
		LUMCONST?	✔	✔
		Parameter/Return code		00: Off 01: On
	Setting/Acquiring Luminance Level	DIMMING x1	✔	✔
		DIMMING?	✔	✔
		Parameter/Return code		x1: Luminance Level 0-255
	Setting zoom/Acquiring the setting value	ZOOM x1	✔	✔
		ZOOM?	✔	✔
		Parameter/Return code		Electronic zoom When setting: MIN/MAX/OFF INC/DEC When acquiring: Zoom Position (0 to 1023)
	Setting Focus/Acquiring the setting value	FOCUS x1	✔	✔
		FOCUS?	✔	✔
		Parameter/Return code		Electronic focus When setting: MIN/MAX/OFF INC/DEC When acquiring: Focus Position (0 to 1023)
	Setting Vertical lens shift/ Acquiring the setting value	LENS x1 [x2]	✔	✔
		Parameter		x1: Lens shift Operation settings INC/DEC MAX/MIN/OFF/INIT x2: Movement value (when specified by INC/DEC) 1-65535
		LENS?	✔	✔
		Return code		LENS=x1 x2 x1: AD value (0 - 1023) x2: Step number (0 - 65535)
	Setting Horizontal lens shift/ Acquiring the setting value	HLENS x1 [x2]	✔	✔
		Parameter		x1: Lens shift Operation settings INC/DEC MAX/MIN/OFF/INIT x2: Movement value (when specified by INC/DEC) 1-65535
		HLENS?	✔	✔
		Return code		LENS=x1 x2 x1: AD value (0 - 1023) x2: Step number (0 - 65535)
	Setting Distortion/Acquiring the setting value	DISTORTION x1	✔	✔
		Parameter		x1: Electronic distortion Operation settings INC/DEC MAX/MIN/OFF
		DISTORTION?	✔	✔
		Return code		DISTORTION=x1 x1: AD value (decimals)
	Lens Calibration	LENSCALB	✔	✔

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting Overscan/Acquiring the setting value	OVSCAN x1	✔	✔
		OVSCAN?	✔	✔
		Parameter/Return code		00: Off 02: 4% 04: 8% A0: Auto INIT (settings only)
Input Source/ Signal Status settings	Selecting/Acquiring Input Source	SOURCE x1 * See "Source code" for the parameters	✔	✔
		SOURCE? See "Source code" for the return codes	✔	✔
	Setting Resolution/Acquiring the setting value	RESOL x1	✔	✔
		RESOL?	✔	✔
		Parameter/Return code		00 : Auto 01-02,08-1E,20-2D: Manual A0 : Custom 1 A1 : Custom 2 F0 : Wide F1 : Normal INIT (settings only)
	Setting/Acquiring Video port	ENSRC x1 x2	✔	✔
		Parameter		x1 = Source code Available source code is SOURCELISTA? Obey the response X2 = Enable/disable video port 00: Off (Disabled) 01: On (Enabled)
		ENSRC? x1	✔	✔
		Return code		(Response format) ENSRC=x1 x2
Image	Setting Brightness/Acquiring the setting value	BRIGHT x1	✔	✔
		BRIGHT?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Contrast/Acquiring the setting value	CONTRAST x1	✔	✔
		CONTRAST?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Density/Acquiring the setting value	DENSITY x1	✔	✔
		DENSITY?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Tint/Acquiring the setting value	TINT x1	✔	✔
		TINT?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting Sharpness/Acquiring the setting value	SHARP x1 x2	✔	✔
		Parameter		x1: Adjustment value 0-255 INC/DEC/INIT x2: Specify specific range 00: Standard (optional) 01: Thin Line Enhancement 02: Thick Line Enhancement
		SHARP? x1	✔	✔
		Parameter		See the 2nd parameter of the SHARP command.
		Return code		0-255
	Setting Color temperature/ Acquiring the setting value	CTEMP x1	✔	✔
		CTEMP?	✔	✔
		Parameter/Return code		Color Temp. 0-255 INIT/INC/DEC (settings only)
	Setting G-M Correction/ Acquiring the setting value	FCOLOR x1	✔	✔
		FCOLOR?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Color mode/ Acquiring the setting value	CMODE x1	✔	✔
		CMODE?	✔	✔
		Parameter/Return code		04: Presentation 06: Dynamic 07: Natural 0E: BT.709 0F: DICOM SIM 15: Cinema 1A: Multi-Projection INIT (settings only)
	Setting Horizontal position/ Acquiring the setting value	HPOS x1	✔	✔
		HPOS?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Vertical position/ Acquiring the setting value	VPOS x1	✔	✔
		VPOS?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Tracking/Acquiring the setting value	TRACKING x1	✔	✔
		TRACKING?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting Sync/Acquiring the setting value	SYNC x1	✔	✔
		SYNC?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Noise Reduction/ Acquiring the setting value	NRS x1	✔	✔
		Parameter		0-255 INIT/INC/DEC
		NRS?	✔	✔
		Return code		0-255
	MPEG Noise Reduction	MPEGNRS x1	✔	✔
		MPEGNRS?	✔	✔
		Parameter/Return code		00: Off 01: Low 02: Normal 03: High
	Setting Red offset/Acquiring the setting value	OFFSETR x1	✔	✔
	Setting Green offset/ Acquiring the setting value	OFFSETR?	✔	✔
	Setting Blue offset/Acquiring the setting value	Parameter/Return code		0-255 INIT/INC/DEC (settings only)
		OFFSETG x1	✔	✔
		OFFSETG?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
		OFFSETB x1	✔	✔
		OFFSETB?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Red gain/Acquiring the setting value	GAINR x1	✔	✔
	Setting Green gain/Acquiring the setting value	GAINR?	✔	✔
	Setting Blue gain/Acquiring the setting value	Parameter/Return code		0-255 INIT/INC/DEC (settings only)
		GAING x1	✔	✔
		GAING?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
		GAINB x1	✔	✔
		GAINB?	✔	✔
		Parameter/Return code		0-255 INIT/INC/DEC (settings only)
	Setting Gamma/Acquiring the setting value	GAMMA x1	✔	✔
		GAMMA?	✔	✔

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
		Parameter/Return code		17: Setting 5 / Gamma 1.7 18: Setting 4 / Gamma 1.8 19: Setting 3 / Gamma 1.9 20: Setting 2 / Gamma 2.0 21: Setting 1 / Gamma 2.1 22: Setting 0 / Gamma 2.2 23: Setting -1 / Gamma 2.3 24: Setting -2 / Gamma 2.4 25: Setting -3 / Gamma 2.5 26: Setting -4 / Gamma 2.6 27: Setting -5 / Gamma 2.7 F0: Customized INIT (settings only)
	Setting Gamma step/ Acquiring the setting value	GAMMALV x1 x2	✔	✔
		Parameter		x1: Color Tone 00-08: Color Tone 1 to Color Tone 9 x2: Adjustment value 0-255 INC/DEC
		GAMMALV? x1	✔	✔
		Parameter		See the 1st parameter of the GAMMALV.
		Return code		0-255
	Multi-screen Setting Color Matching/ Acquiring the setting value	MULSCR x1 x2 x3	✔	✔
		Parameter		x1: Adjustment type 01: Pattern Guide 05: Color Correct R 06: Color Correct G 07: Color Correct B 08: Color Correct (RGB batch) INIT x2: Level Settings 00: Off (x1 = 01 only) 01 to 08: Level 1 to Level 8 x3: Adjustment value (except x1 = 01) 0-255 INIT/INC/DEC [x3]: type (except x1 = 01 & x2 = 00) 00: Color Tone Pattern 01: Blending Pattern
		MULSCR? x1	✔	✔
		Parameter		x1: Adjustment type 01: Pattern Guide 05: Color Correct R 06: Color Correct G 07: Color Correct B
		Return code		Responds with the set adjustment type for each level setting or the level value. Level Value 00-08 Adjustment value: 000 to 255
	Load Memory	POPMEM x1 x2	✔	✔
		Parameter		x1 Memory Type 02: Advanced x2 Memory No. 01: Memory1 (1st) : 0A: Memory10 (10th)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Save Memory	PUSHMEM x1 x2	✔	✔
		Parameter		x1 Memory Type 02: Advanced x2 Memory No. 01: Memory1 (1st) : 0A: Memory10 (10th)
	Erase Memory	ERASEMEM x1 x2	✔	✔
		Parameter		x1 Memory Type 00: ALL 02: Advanced x2 Memory No. 01: Memory1 (1st) : 0A: Memory10 (10th)
	Acquiring the color adjustment setting value	CSEL?	✔	✔
		Return code		07: RGB/RGBCMY
	Image Enhancement Setting/Acquiring Preset	IMGPRESET x1	✔	✔
		IMGPRESET?	✔	✔
		Parameter/Return code		00: Off 01: Preset 1 02: Preset 2 03: Preset 3 04: Preset 4 05: Preset 5 INIT
	Super-resolution: Fine Line Adjust Setting/Acquiring the setting value	SHRF x1	✔	✔
		SHRF?	✔	✔
		Parameter/Return code		0-255 INC/DEC/INIT
	Super-resolution: Soft Focus Detail Setting/Acquiring the setting value	SHRS x1	✔	✔
		SHRS?	✔	✔
		Parameter/Return code		0-255 INC/DEC/INIT
	Detail Enhancement Setting/Acquiring Range	DERANGE x1	✔	✔
		Parameter		0-255 INC/DEC/INIT
		DERANGE?	✔	✔
		Return code		0-255
	Detail Enhancement Setting/Acquiring Strength	DESTRENGTH x1	✔	✔
		Parameter		0-255 INC/DEC/INIT
		DESTRENGTH?	✔	✔
		Return code		0-255
	Setting Frame interpolation/ Acquiring the setting value	MCFI x1	✔	✔
		MCFI?	✔	✔
		Parameter/Return code		00: Off 01: Low 02: Normal 03: High INIT (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting (HDR) Color Space/ Acquiring the setting value	CLRSPACE x1	✔	✔
		CLRSPACE?	✔	✔
		Parameter/Return code		00: Auto 01: BT.709 02: BT.2020
	Setting (HDR) dynamic range/ Acquiring the setting value	DYNRANGE x1	✔	✔
		DYNRANGE?	✔	✔
		Parameter/Return code		00: Auto 01: SDR 20: HDR10 30: HLG
	Setting HDR PQ/Acquiring the setting value	HDRPQ x1	✔	✔
		HDRPQ?	✔	✔
		Parameter/Return code		01-16: HDR10 Mode
	Setting HDR HLG/Acquiring the setting value	HDRHLG x1	✔	✔
		HDRHLG?	✔	✔
		Parameter/Return code		01-16: HLG Mode
	Setting Grayscale/Acquiring the setting value	GRAYSCALE x1 x2 x3	—	✔
Audio	Setting AV Output/Acquiring the setting value	AVOUT x1	✔	✔
		AVOUT?	✔	✔
		Parameter/Return code		00: While Projecting (NW Standby) 01: Always On (AV Standby) INIT (settings only)
Additional functions	Enabling or Releasing Shutter/Acquiring the status	MUTE x1	✔	✔
		MUTE?	✔	✔
		Parameter/Return code		ON: Shutter on OFF: Shutter off INIT (settings only)
	Enabling or Releasing Freeze function/Acquiring the status	FREEZE x1	✔	✔
		FREEZE?	✔	✔
		Parameter/Return code		ON: Execute Freeze OFF: Release Freeze INIT (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting/Acquiring Fade-in	FADEIN x1	✔	✔
		Parameter/Return code		0-9: 0.0s 110-119: 5.5s 10-19: 0.5s 120-129: 6.0s 20-29: 1.0s 130-139: 6.5s 30-39: 1.5s 140-149: 7.0s 40-49: 2.0s 150-159: 7.5s 50-59: 2.5s 160-169: 8.0s 60-69: 3.0s 170-179: 8.5s 70-79: 3.5s 180-189: 9.0s 80-89: 4.0s 190-199: 9.5s 90-99: 4.5s 200-209: 10.0s 100-119: 5.0s 210-255: Non-operational
		FADEIN?	✔	✔
		Parameter/Return code		0: 0.0s 110: 5.5s 10: 0.5s 120: 6.0s 20: 1.0s 130: 6.5s 30: 1.5s 140: 7.0s 40: 2.0s 150: 7.5s 50: 2.5s 160: 8.0s 60: 3.0s 170: 8.5s 70: 3.5s 180: 9.0s 80: 4.0s 190: 9.5s 90: 4.5s 200: 10.0s 100: 5.0s
	Setting/Acquiring Fade-out	FADEOUT x1	✔	✔
		Parameter/Return code		0-9: 0.0s 110-119: 5.5s 10-19: 0.5s 120-129: 6.0s 20-29: 1.0s 130-139: 6.5s 30-39: 1.5s 140-149: 7.0s 40-49: 2.0s 150-159: 7.5s 50-59: 2.5s 160-169: 8.0s 60-69: 3.0s 170-179: 8.5s 70-79: 3.5s 180-189: 9.0s 80-89: 4.0s 190-199: 9.5s 90-99: 4.5s 200-209: 10.0s 100-119: 5.0s 210-255: Non-operational
		FADEOUT?	✔	✔
		Parameter/Return code		0: 0.0s 110: 5.5s 10: 0.5s 120: 6.0s 20: 1.0s 130: 6.5s 30: 1.5s 140: 7.0s 40: 2.0s 150: 7.5s 50: 2.5s 160: 8.0s 60: 3.0s 170: 8.5s 70: 3.5s 180: 9.0s 80: 4.0s 190: 9.5s 90: 4.5s 200: 10.0s 100: 5.0s

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting LCD Alignment value/ Acquiring the setting value	LCDALIGNMENT 00 x y updown leftright LCDALIGNMENT 04 updown leftright LCDALIGNMENT mode param	✔	✔
		Parameter/Return code		mode 00: Execute adjustments (Specify coordinates) 01: Correct LCD Alignment settings 02: Select Color settings 03: Pattern Color settings 04: Execute adjustments (Adjust all) INIT (settings only) x 0000 to 270F (9999) Acquire coordinate x y 0000 to 270F (9999) Acquire coordinate y updown 9D (-99) to 00 to 63 (99): Amount of vertical adjustment leftright 9D (-99) to 00 to 63 (99): Amount of horizontal adjustment param - Correct LCD Alignment settings 00: Correct LCD Alignment Normal 01: Correct LCD Alignment ECO - Select Color settings (when 02 set) 01: Red 02: Blue - Pattern Color settings (when 03 set) 01: R/G/B 02: R/G 03: G/B
		LCDALIGNMENT? mode x y LCDALIGNMENT? mode	✔	✔
		Parameter		mode 00: Acquire Adjustment Value (Specify coordinates) 01: Correct LCD Alignment settings 02: Select Color settings 03: Pattern Color settings 04: Acquire Adjustment Value (Adjust all) x 0000 to 270F (9999) Acquire coordinate x y 0000 to 270F (9999) Acquire coordinate y
		Return code		Acquire Adjustment Value (when 00 set) Return vertical and horizontal adjustment amounts Acquire Correct LCD Alignment value (when 01 set) 00: Correct LCD Alignment Normal 01: Correct LCD Alignment ECO Acquire Adjustment Color Value (when 02 set) 01: Red 02: Blue Acquire Pattern Color (when 03 set) 01: R/G/B 02: R/G 03: G/B
Configuration Settings	Setting the reverse image (Horizontal)/Acquiring the setting value	HREVERSE x1	✔	✔
		HREVERSE?	✔	✔
		Parameter/Return code		ON: Reversed status OFF: Normal status INIT (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting the reverse image (Vertical)/Acquiring the setting value	VREVERSE x1	✔	✔
		VREVERSE?	✔	✔
		Parameter/Return code		ON: Flipped status OFF: Normal status INIT (settings only)
	Reset All Config	INITALL	✔	✔
	Reset All (Factory Default)	INITFACTORY x1	✔	✔
		Parameter		x1: Reset Password
	Setting Communication Speed/Acquiring the setting value	SPEED x1	—	✔
		Parameter		00: 9600bps 01: 19200bps 02: 38400bps 03: 57600bps INIT
		SPEED?	—	✔
		Return code		00: 9600bps 01: 19200bps 02: 38400bps 03: 57600bps
	Setting Projector ID/ Acquiring the setting value	PROJID x1	✔	✔
		PROJID?	✔	✔
		Parameter/Return code		00: Off 01-30: ID1-ID30 INIT (settings only)
	Setting Air Filter Notice/ Acquiring the setting value	FLCLENOT x1	✔	✔
		FLCLENOT?	✔	✔
		Parameter/Return code		00: Air Filter Notice off 01: Air Filter Notice on INIT (settings only)
	Setting Illumination/ Indicators	ILLUM x1	✔	✔
		ILLUM?	✔	✔
		Parameter/Return code		00: Off 01: On
	Load lens position	POPLP x1	✔	✔
		Parameter		01: Memory1 02: Memory2 03: Memory3 04: Memory4 05: Memory5 06: Memory6 07: Memory7 08: Memory8 09: Memory9 0A: Memory10
	Register lens position	PUSHLP x1	✔	✔
		Parameter		01: Memory1 02: Memory2 03: Memory3 04: Memory4 05: Memory5 06: Memory6 07: Memory7 08: Memory8 09: Memory9 0A: Memory10

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Erase lens position	ERASELP x1	✔	✔
		Parameter		00: ALL (Reset all lens position memories) 01: Memory1 02: Memory2 03: Memory3 04: Memory4 05: Memory5 06: Memory6 07: Memory7 08: Memory8 09: Memory9 0A: Memory10
	Setting Menu Position/ Acquiring the setting value	MENUDISP mode param	✔	✔
		MENUDISP? mode	✔	✔
		Parameter/Return code		mode: Specify Setting Mode 01: Menu Position param=01: Menu Position 00: Center (centered) 01: Center Left 02: Top Left 03: Top Center 04: Top Right 05: Center Right 06: Bottom Right 07: Bottom Center 08: Bottom Left INIT (settings only)
	Setting/Acquiring Message Position	MSGPOS x1	✔	✔
		MSGPOS?	✔	✔
		Parameter/ Return code		00: Center 01: Center Left 02: Top Left 03: Top Center 04: Top Right 05: Center Right 06: Bottom Right 07: Bottom Center 08: Bottom Left
	On screen setting	ONSCREEN x1	✔	✔
		ONSCREEN?	✔	✔
		Parameter/Return code		00: OFF (OSD menu not displayed) 01: ON (OSD menu displayed)
	Setting OSD Rotation	OSDROTATE x1	✔	✔
		OSDROTATE?	✔	✔
		Parameter/Return code		00: Off 01: Rotate Right 90 Degrees 02: Rotate Left 90 Degrees
	Setting Standby confirmation setting/Acquiring the setting value	STANDBYCONF mode	✔	✔
		STANDBYCONF?	✔	✔
		Parameter/Return code		00: Standby Confirmation Off 01: Standby Confirmation On INIT (settings only)

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Setting HDBaseT/Acquiring the setting value	HDBASET mode	✔	✔
		HDBASET?	✔	✔
		Parameter/Return code		mode 00: Off 01: On INIT (settings only)
	Setting Projection Lens Type/ Acquiring the setting value	SFLENS mode	✔	✔
		Parameter/Return code		00: ELPLS04 01: ELPLU02 02: ELPLR04 03: ELPLW04 04: ELPLM06 05: ELPLM07 06: ELPLL07 INIT
		SFLENS?	✔	✔
		Parameter/Return code		00: ELPLS04 01: ELPLU02 02: ELPLR04 03: ELPLW04 04: ELPLM06 05: ELPLM07 06: ELPLL07 10: ELPLM08 11: ELPLX01 12: ELPLU03 13: ELPLU04 14: ELPLW05 15: ELPLW06 16: ELPLM09 17: ELPLM10 18: ELPLM11 19: ELPLL08 1A: ELPLM15 1B: ELPLX02/ELPLX02W 1C: ELPLW08 * If the lens type is unknown, the menu setting is returned.
	Setting Startup Source Search/Acquiring the setting value	STSEARCH mode	✔	✔
		STSEARCH?	✔	✔
		Parameter/Return code		00: Off 01: On
	Setting/Acquiring Batch Setup Range	BARANGE x1	✔	✔
		BARANGE?	✔	✔
		Parameter/ Return code		00: All 01: Limited
	Setting/Acquiring AC Voltage Monitoring	ACMONITOR x1	✔	✔
		ACMONITOR?	✔	✔
		Parameter/ Return code		00: Off 01: On

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
	Start Light Source Calibration (Run Now)	LTCALB	✔	✔
	Setting/Acquiring Light Source Calibration (Run Periodically)	AUTOLTCALB x1	✔	✔
		AUTOLTCALB?	✔	✔
		Parameter/ Return code		00: Off 01: On (Run Periodically)
	Confirm last light source calibration date	LASTLTCALB?	✔	✔
		Return code		yyyyMMddHHmm (Year, Month, Day, Hour, Minute) 2000 to 2099: yyyy 01 to 12: MM 01 to 31: dd 00 to 23: HH 00 to 59: mm
	Setting/Acquiring SDI Link Type	SDILINK x1 x2	✔	✔
		SDILINK? x1	✔	✔
		Parameter/ Return code		x1: Settings Target 00: SDI x2 = Link Type 00: Single (Auto) 01: Single (Manual)
	Setting/Acquiring SDI format	SDISET x1 x2 x3 x4 x5 x6 [x7] [x8] [x9] [x10] SDISET x1 INIT	✔	✔
		SDISET? X1	✔	✔
		Parameter/ Return code		x1: Setting Target Source 00: SDI
				x2 = SDI Type 00: SD 01: HD 02: 3G-A
				x3 = Resolution 00: 720x480 01: 720x576 02: 1280x720 03: 1920x1080
				x4 = Refresh Rate 00: 23.98p 01: 24p 02: 25p 03: 29.97p 04: 30p 05: 50i 06: 50p 07: 59.94i 08: 59.94p 09: 60i 0A: 60p
				x5 = Color Sampling 00: YCbCr4:2:2 02: RGB4:4:4
				x6 = Color Depth 00: 10bit

Function Category	Function	Command Name	Network Supported	EB-L20002U/EB-L20000U
Network	Acquiring AMX DDDP BeaconMessage	AMX	-	✔
		Return code		The response format complies with the AMX specifications. AMXB<-SDKClass=VideoProjector> <-GUID=EPSON_EMP001><-Revision=1.0.0>
	AMX DDDP IP BeaconMessage Setting status/Acquiring status	AMXDDDP x1	✔	✔
		AMXDDDP?	✔	✔
		Parameter/Return code		00: BeaconMessage stop 01: BeaconMessage start INIT (settings only)
	Setting/Acquiring Extron XTP	XTP	✔	✔
		XTP?	✔	✔
		Return code		00: Off 01: On
	Wireless Mode	WLPWR x1	—	✔
		WLPWR?	—	✔
		Parameter/ Return code		00: Off 01: Wireless LAN On
Information	Acquiring Light Source Hours	LAMP?	✔	✔
		Return code		LAMP=x1 x1: Lamp (laser) operation time
	Acquiring Operation Hours	ONTIME?	✔	✔
		Return code		ONTIME=x1 x1: Operation Hours
	Acquiring signal status	SIGNAL?	✔	✔
		Return code		00: No signal 01: Signal input FF: Unsupported signal
	Acquiring Source list	SOURCELIST?	✔	✔
		Return code		See “Source code”
	Acquiring Source list (All sources)	SOURCELISTA?	✔	✔
		Return code		See “Source code”
	Log Save Destination	LOGTO	✔	✔
		LOGTO?	✔	✔
		Parameter/ Return code		00: Internal Memory 01: USB flash drive and Internal Memory

Source code

Source	Code	EB-L20002U/EB-L20000U
Computer	10	✔
	11	✔ (RGB (Analog))
	14	✔ (Component)
	1F	✔ (Auto)
LAN	53	✔
SDI	60	✔
	63	(RGB-Video)
	64	(YCbCr)
	65	(YPbPr)
HDBaseT	80	✔
	81	(Digital-RGB)
	83	(RGB-Video)

Source	Code	EB-L20002U/EB-L20000U
	84	(YCbCr)
	85	(YPbPr)
BNC	B0	✔
	B1	✔ (RGB (Analog))
	B4	✔ (Component)
	BF	✔ (Auto)
Switch in order	F0 (Targets all sources)	✔
	F1 (Computers)	✔ DVI-D (Slot1), DVI-D (Slot2), Computer, BNC, LAN, DisplayPort1 (Slot1), DisplayPort2 (Slot1), DisplayPort1 (Slot2), DisplayPort2 (Slot2)
	F2 (Videos)	✔ HDMI (Slot1), HDMI (Slot2), HDBaseT, SDI
SOURCELIST? SOURCELISTA? Response List <Content of response> Parameters supported by the SOURCE command are returned in the order shown (SOURCELISTA? contains disabled sources) Replace the SP in the source string with "^" (a hat) and respond		10 Computer 53 LAN 60 SDI 80 HDBaseT B0 BNC 130 HDMI (Slot1) 1C0 DVI-D (Slot1) 230 HDMI (Slot2) 2C0 DVI-D (Slot2) 170 DisplayPort1 (Slot1) 1D0 DisplayPort2 (Slot1) 270 DisplayPort1 (Slot2) 2D0 DisplayPort2 (Slot2)
HDMI (Slot1)	130	✔
	131	(Digital-RGB)
	133	(RGB-Video)
	134	(YCbCr)
	135	(YPbPr)
HDMI (Slot2)	230	✔
	231	(Digital-RGB)
	233	(RGB-Video)
	234	(YCbCr)
	235	(YPbPr)
DVI-D (Slot1)	1C0	✔
	1C1	(Digital-RGB)
	1C3	(RGB-Video)
DVI-D (Slot2)	2C0	✔
	2C1	(Digital-RGB)
	2C3	(RGB-Video)
DisplayPort1 (Slot1)	170	✔
	171	(Digital-RGB)
	173	(RGB-Video)
	174	(YCbCr)
	175	(YPbPr)
DisplayPort2 (Slot1)	1D0	✔
	1D1	(Digital-RGB)
	1D3	(RGB-Video)
	1D4	(YCbCr)
	1D5	(YPbPr)
DisplayPort1 (Slot2)	270	✔
	271	(Digital-RGB)
	273	(RGB-Video)

Source	Code	EB-L20002U/EB-L20000U
	274	(YCbCr)
	275	(YPbPr)
DisplayPort2 (Slot2)	2D0	✔
	2D1	(Digital-RGB)
	2D3	(RGB-Video)
	2D4	(YCbCr)
	2D5	(YPbPr)

Network menu (Web Control)

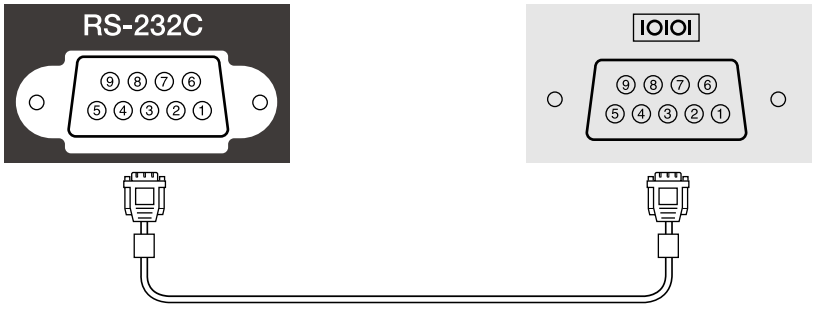
Top Menu	Submenu
Wireless Settings	
	Wireless Mode
Basic	
	Projector Name
	PJLink Password
	Remote Password
	Web Control Password
	Monitor Password
	Moderator Password
	Projector Keyword
	Display Keyword
	Display LAN Info.
	Apply
Wireless LAN	
	Connection Mode
	Channel
	SSID
	DHCP
	IP Address
	Subnet Mask
	Gateway Address
	SSID Display
	IP Address Display
	Security
	Passphrase
	EAP Type
	User Name
	Password
	Client Certificate
	Verify Server Certificate
	CA Certificate
	RADIUS Server Name
	Apply
Wireless LAN IPv6 settings	
	IPv6
	Auto Configuration
	Use Temporary Address
	IPv6 Address (Manual)
	IPv6 Address
	Prefix Length
	Gateway Address

Top Menu	Submenu	
	Apply	
Wired LAN		
	DHCP	
	IP Address	
	Subnet Mask	
	Gateway Address	
	IP Address Display	
	Apply	
Wired LAN IPv6 Settings		
	IPv6	
	Auto Configuration	
	Use Temporary Address	
	IPv6 Address (Manual)	
	IPv6 Address	
	Prefix Length	
	Gateway Address	
	Apply	
Notifications		
	Mail Notification	
	SMTP Server	
	Port Number	
	From	
	Email Address 1	
	Email Address 2	
	Email Address 3	
	No Signal	
	System Error	
	Laser Error	
	High Temp Error	
	Air Filter Error	
	Laser Warning	
	High Temp Warning	
	Air Filter Warning	
	Shutter Warning	
	Air Filter Notice	
	Constant Brightness End	
	SNMP	
		SNMP
		Trap IP Address 1
		Trap IP Address 2
		Community Name
	PJLink Notification	
	Target IP Address	
	Apply	
Certificate		
	Client Certificate	File Name
		Password
		Issued to
		Issued by
		Expiration Date
	CA Certificate	File Name
		Issued to

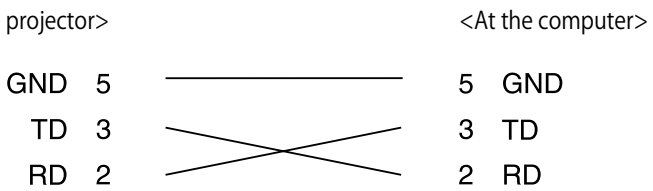
Top Menu	Submenu	
		Issued by
		Validity period
	Web Server Certificate	Expiration Date
		Password
		Issued to
		Issued by
		Expiration Date
	Apply	
Others		
	Secure HTTP	
	Priority Gateway	
	AMX Device Discovery	
	Art-Net	
		Art-Net
		Net
		Sub-Net
		Universe
		Start Channel
	Message Broadcasting	
	Add Port	
		Add Port
		Port Number
	Apply	

Serial Connection

<At the projector> <At the computer>



Serial cable (cross)



<Serial port specifications>
Connector shape: D-Sub 9-pin (male)
Projector input port name: RS-232C

<Communication specifications>

- Default baud rate setting: 9600 bps
- Data length: 8 bit
- Parity: None
- Stop-bit: 1 bit
- Flow control: None

PJLink Command List

See the following for more information on controlling the projector from a computer using PJLink protocols.

Function	Command	Setting Value/Response Value		Content	Notes
Power control	POWR	0		Power-off (Standby)	
		1		Power-on (Light source on)	
Power status query	POWR ?	0		Power-off (Standby)	
		1		Power-on (Light source on)	
		2		Cooling status	
		3		Warm-up status	
Input switch instruction Input switch query	INPT INPT ?	11		Computer	
		13		BNC	
		21		SLOT1-1	
		22		SLOT1-2	
		23		SLOT1-3	
		24		SLOT1-4	
		25		SLOT2-1	
		26		SLOT2-2	
		27		SLOT2-3	
		28		SLOT2-4	
		34		SDI	
		52		LAN	
		56		HDBaseT	
Input toggling list query	INST ?	11		Computer	Displays a list of the available input sources of the projector.
		13		BNC	
		21		SLOT1-1	
		22		SLOT1-2	
		23		SLOT1-3	
		24		SLOT1-4	
		25		SLOT2-1	
		26		SLOT2-2	
		27		SLOT2-3	
		28		SLOT2-4	
		34		SDI	
		52		LAN	
		56		HDBaseT	
Error status query	ERST ?	First character	2	Fan Error	"0" is displayed when no error has occurred.
		Second character	2	Laser error Laser on error	
		Third character	1	High Temp Warning	
			2	Temperature error	
		Fifth character	1	No air filter warning Filter warning	
			2	Filter error	
		Sixth character	1	Other warnings	
			2	Other errors	
A/V Mute Settings	AVMT	30		A/V mute off	Does not support video mute off/on (10/11) or audio mute off/on (20/21).
Mute status query	AVMT ?	31		A/V mute on	
Light source number, lighting hour query	LAMP ?	First number (1 to 5)	0 to 99999	Laser operation hours	
		Second number	0	Laser off	
			1	Laser on	
Projector name query	NAME ?	*		Projector Name	* Displays the name set in [Network] - [Basic] - [Projector Name] from the projector's Configuration menu.
Manufacture name information query	INF1 ?	EPSON		Manufacture name	
Model name information query	INF2 ?	EPSON L20002U/ L20000U		Model name	
Class information query	CLSS ?	2		Class information	
Serial number query	SNUM ?	11 digit numbers		Serial number of projector being used	

Function	Command	Setting Value/Response Value	Content	Notes
Software version query	SVER ?	-	Firmware version of your projector	
Input port name query	INNM ?xx	(Source name)		xx is a 2 digit number used in the input toggling list query.
Input resolution query	IRES ?	(Horizontal resolution) x (Vertical resolution)		
Recommended resolution query	RRES ?	(Horizontal resolution) x (Vertical resolution)	Panel resolution of your projector	
Filter operation hours query	FILT ?	0		The projector being used is not counted.
Filter replacement model query	RFIL ?	ELPAF58	Air filter model of your projector	
Static function setting	FREZ	0	Release Freeze	
Static status query	FREZ ?	1	Enable Freeze	

- The password for PJLink is set in [Network] - [Basic] - [PJLink Password] from the projector's Configuration menu. If you do not want to use a password, leave [PJLink Password] blank.
- PJLink is a trademark applied for registration or is already registered in Japan, the United States of America and other countries and areas.

List of Art-Net Channel Specifications

Channel	Function	Operation	Parameters		Settings	Operation Content
			Minimum	Maximum		
1	Adjusting light (Dimming)	0% - 100%	0	255	0	Sets the image brightness.
2	Shutter control	Shutter Open	0	63	128	Enable/Disable A/V Mute.
		Non-operational	64	191		
		Shutter Closed	192	255		
3	Switch source	Non-operational	0	7	0	Display the set source.
		Non-operational (Reserved for: HDMI1)	8	15		
		Non-operational (Reserved for: HDMI2)	16	23		
		HDBaseT	24	31		
		Non-operational (Reserved for: DVI-D)	32	39		
		Non-operational (Reserved for: DisplayPort)	40	47		
		SDI	48	55		
		Computer	56	63		
		Non-operational (Reserved for: Computer2)	64	71		
		BNC	72	79		
		LAN	80	87		
		Non-operational (Reserved for: Screen Mirroring)	88	95		
		Non-operational	88	127		
		Non-operational (Reserved for: SDI)	128	207		
		SLOT1-1	128	135		
		SLOT1-2	136	143		
		SLOT1-3	144	151		
		SLOT1-4	152	159		
		SLOT2-1	168	175		
		SLOT2-2	176	183		
		SLOT2-3	184	191		
		SLOT2-4	192	199		
		Non-operational	208	255		
4	Lens position	Non-operational	0	31	0	Moves the lens shift to the home position.
		Move to home position	32	63		
		Non-operational	64	255		

Channel	Function	Operation		Parameters		Settings	Operation Content
				Minimum	Maximum		
5	Horizontal lens shift	(+) lens adjustment	Movement - Large	0	31	128	Performs horizontal lens shift using the amount of movement specified.
			Movement - Medium	32	63		
			Movement - Small	64	95		
		Non-operational		96	159		
		(-) lens adjustment	Movement - Small	160	191		
			Movement - Medium	192	223		
			Movement - Large	224	255		
6	Vertical lens shift	(+) lens adjustment	Movement - Large	0	31	128	Performs vertical lens shift using the amount of movement specified.
			Movement - Medium	32	63		
			Movement - Small	64	95		
		Non-operational		96	159		
		(-) lens adjustment	Movement - Small	160	191		
			Movement - Medium	192	223		
			Movement - Large	224	255		
7	Electronic zoom	(+) lens adjustment	Movement - Large	0	31	128	Performs electronic zoom using the amount of movement specified.
			Movement - Medium	32	63		
			Movement - Small	64	95		
		Non-operational		96	159		
		(-) lens adjustment	Movement - Small	160	191		
			Movement - Medium	192	223		
			Movement - Large	224	255		
8	Electronic focus	(+) lens adjustment	Movement - Large	0	31	128	Performs electronic focus using the amount of movement specified.
			Movement - Medium	32	63		
			Movement - Small	64	95		
		Non-operational		96	159		
		(-) lens adjustment	Movement - Small	160	191		
			Movement - Medium	192	223		
			Movement - Large	224	255		

Channel	Function	Operation		Parameters		Settings	Operation Content
				Minimum	Maximum		
9	Electronic distortion	(+) lens adjustment	Movement - Large	0	31	128	Performs electronic distortion using the amount of movement specified.
			Movement - Medium	32	63		
			Movement - Small	64	95		
		Non-operational		96	159		
		(-) lens adjustment	Movement - Small	160	191		
			Movement - Medium	192	223		
			Movement - Large	224	255		
10	Load lens memory	Non-operational		0	15	0	Loads the specified lens memory.
		Load lens memory 1		16	31		
		Load lens memory 2		32	47		
		Load lens memory 3		48	63		
		Load lens memory 4		64	79		
		Load lens memory 5		80	95		
		Load lens memory 6		96	111		
		Load lens memory 7		112	127		
		Load lens memory 8		128	143		
		Load lens memory 9		144	159		
		Load lens memory 10		160	175		
		Non-operational		176	255		
11	Power control	Power off		0	63	128	Turns the projector power on or off.
		Non-operational		64	191		
		Power on		192	255		
12	Geometry correction	Off		0	15	255	Performs geometry correction.
		H/V-Keystone (Keystone)		16	31		
		Quick Corner		32	47		
		Point Correction		48	63		
		Curved Surface		64	79		
		Corner Wall		80	95		
		Load geometry correction memory 1		96	111		Loads a geometry correction memory.
		Load geometry correction memory 2		112	127		
		Load geometry correction memory 3		128	143		
		Non-operational		144	175		
13	Lock	Cannot control		0	127	0	Enables/disables Art-Net operations.
		Can control		128	255		
14	Freeze	Non-operational		0	31	128	Enables/releases Freeze.
		Freeze off		32	95		
		Non-operational		96	159		
		Freeze on		160	223		
		Non-operational		224	255		

When controlling the projector using Art-Net and operating the projector using the remote control or control panel, the settings and projector status for the DMX controller or application system may differ. When you want to control all channels in the projector, set channel 13 to "Cannot operate", and then return it to "Can operate".

■ Image Quality Maintenance

Adjusting Color Balance (Light Source Calibration)

When performing Light Source Calibration, the differences in the White Balance and the Brightness Level for the light source are corrected.
We recommend running this function periodically.

To perform light source calibration, select [Light Source Calibration] from the projector's [Reset] menu.
Select one of the following options. Projection is paused during light source calibration.

- [Run Now]

  Starts light source calibration immediately. You may not be able to start the calibration in the following situations.
  - Within 30 minutes of turning on the projector.
  - When the environmental temperature is high and the brightness of the light source is automatically reduced.

- [Run Periodically]

  When [On] is set, every time the usage time reaches 100 hours, calibration starts automatically for the light source when the projector is turned off. However, light source calibration does not start automatically in the following situations.
  - Within 30 minutes of turning on the projector
  - When using the Shutter function
  - Within 30 minutes of releasing the Shutter function
  - When the projector is used continuously for over 24 hours
  - When using direct shutdown

  If necessary, set to [Off] to prevent light source calibration from starting unexpectedly while projecting images.
  Set to [Off] to retain a projected image that has been adjusted using Multi-Projection.

- [Schedule Settings]

  Moves to the Schedule Settings screen.
  You can schedule periodic light source calibration events.
  We recommend setting a scheduled calibration when [Run Periodically] is set to [Off], or when using the projector continuously for 24 hours or more.

■ Cautions

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