

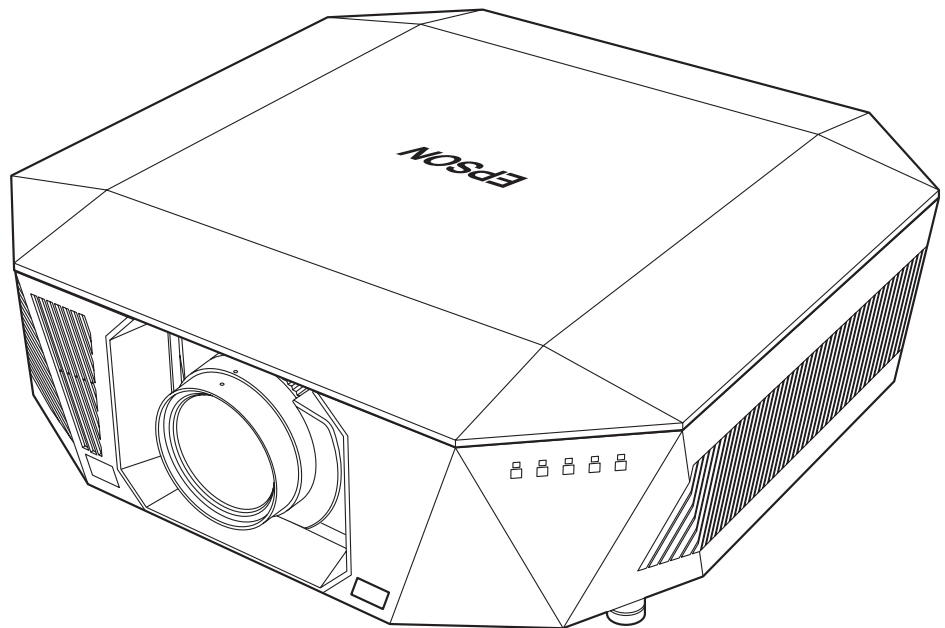
EPSON

EH-QL7000B EH-QL7000W

EH-QL3000B EH-QL3000W

CH-QL3000B CH-QL3000W

Specifications



Contents

■ Projector Specifications	3
■ Optional Accessories Specifications	5
■ Projector Parts - Interface	9
■ Supported Monitor Display Resolutions	10
■ File Formats Supported in Content Playback Mode	12
■ External Dimensions	13
■ Precautions on Installation	20
■ Screen Size and Projection Distance	22
■ Remote Control Operation	30
■ Keystone Correction Range	31
■ Monitoring and Controlling the Projector	35
■ ESC/VP21 Command List	36
■ Cable Layouts	37
■ PJLink Command List	38
■ Getting the Latest Version of the Documents	40
■ Trademarks	40
■ Copyright Notice	40
■ Disclaimer	40
■ Copyright Attribution	40

■ Projector Specifications

Item	EH-QL7000B/EH-QL7000W	EH-QL3000B/EH-QL3000W CH-QL3000B/CH-QL3000W
Dimensions	568 (W) × 181 (H) × 568 (D) mm (not including raised section)	
Projection system	RGB liquid crystal shutter	
LCD panel size (diagonal)	1.04"	
Display method	3LCD	
Number of pixels	Full HD (1,920 (W) × 1,080 (H) dots) × 3	
Resolution	4K 8,294,400 pixels (1,920 × 1,080 × 4)	
Focus adjustment	Powered	
Zoom adjustment *2	1.0 to 1.6 (Optical Zoom)	
F-Number *2	1.8 to 2.3	
Focal length *2	36.0 to 57.3 mm	
Projection lens	Optional lens supported. Standard lens: ELPLM15	
Lens Shift *2	Powered Maximum vertical direction: Approx. ± 64% Maximum horizontal direction: Approx. ± 16%	
Light source	Laser diode	
Wavelength	449 to 461 nm	
Light source output power	Up to 252 W	Up to 194 W
Laser class (internal laser light source)	Class 4	
Light source operation time *1	Up to about 20,000 hours	
Brightness *2 *4	10,000 lm	6,000 lm
Contrast ratio *4	5,000,000:1 exceeded (Dynamic Contrast: Normal/High Speed)	
Color reproducibility	Up to 1,070 million colors (Depends on the interface)	
Scanning frequency	HDMI 1/2: Horizontal: 26.97 to 270 kHz Vertical: 23.98/24/25/29.97/30/50/59.94/60/120 Hz	
Speaker	-	
Power supply	100 - 240 V AC ± 10% 50/60 Hz 6.4-2.9 A	100 - 240 VAC ± 10% 50/60 Hz 4.6-2.1 A
Operating power consumption (100 to 120 V area)	When the light source brightness is 100%: 636 W When the light source brightness is 40%: 328 W	When the light source brightness is 100%: 453 W When the light source brightness is 70%: 357 W
Operating power consumption (220 to 240 V area)	When the light source brightness is 100%: 612 W When the light source brightness is 40%: 318 W	When the light source brightness is 100%: 437 W When the light source brightness is 70%: 346 W
Standby power consumption	Communication On: 2.0 W Communication Off: 0.5 W	
Noise Level *4	33 dB	28 dB
Thermal output (max.)	100 to 120 V area: 2,162 BTU/h 220 to 240 V area: 2,081 BTU/h	100 to 120 V area: 1,540 BTU/h 220 to 240 V area: 1,486 BTU/h
Air flow (max.)	169 CFM	
Operating altitude	Altitude of 0 to 3,048 m CH-QL3000B/CH-QL3000W: Altitude of 0 to 2,000 m (Based on China's National Standard GB4943.1-2022)	
Operating temperature (when using a single projector installation) *3	Altitude of 0 to 2,286 m: +5 to +35° C (Humidity of 20 to 80%, No condensation) Altitude of 2,287 to 3,048 m: +5 to +30° C (Humidity of 20 to 80%, No condensation)	
Storage temperature	-10 to +60° C (Humidity of 10 to 90%, No condensation)	
Mass (not including lens)	Approx. 21.1 kg	
Network	RJ45 (100BASE-TX/10BASE-T) x 1	

*1 Approximate time until the light source brightness decreases to half of its original value. (Assuming the projector is being used in an environment containing airborne particles of 0.04 mg/m³ or less. This is an approximate guide only and may change depending on the projector's usage and surroundings.)

*2 The specifications are when the standard lens is attached.

*3 Light source brightness automatically dims if the surrounding temperature gets too high.

*4 All average values for this product at time of shipping comply with the ISO 21118 international standards.
This product is also designed for IT power distribution system with phase-to-phase voltage 230V.

■ Optional Accessories Specifications

The following sections explain the specifications of the optional accessories.

Lens Compatibility Table

Lens Model Number	Projector Model Number				
	EH-QL7000B EH-QL7000W EH-QL3000B EH-QL3000W CH-QL3000B CH-QL3000W	EB-PQ2010B EB-PQ2008B EB-PQ2008W	EB-PQ2220B EB-PQ2216B EB-PQ2216W	EB-PU2010B EB-PU2010W	EB-PU1008B EB-PU1008W EB-PU1007B EB-PU1007W
ELPLX01 ELPLX01W ELPLX01S ELPLX01WS	-	-	-	-	✓
ELPLX02 ELPLX02W	-	✓	✓	✓	-
ELPLX02S ELPLX02WS	✓	✓	✓	✓	-
ELPLU03	✓	✓	✓	✓	✓
ELPLU03S	✓	✓	✓	✓	✓
ELPLU04	✓	✓	✓	✓	✓
ELPLW05	✓	✓	✓	✓	✓
ELPLW08	✓	✓	✓	✓	✓
ELPLW06	✓	✓	✓	✓	✓
ELPLM08	✓	✓	✓	✓	✓
ELPLM09	✓	✓	✓	✓	✓
ELPLM15	✓	✓	✓	✓	✓
ELPLM10	✓	✓	✓	✓	✓
ELPLM11	✓	✓	✓	✓	✓
ELPLL08	✓	✓	✓	✓	✓
ELPLU02	-	-	-	✓	✓
ELPLR04	-	-	-	✓	✓
ELPLW04	-	-	-	✓	✓
ELPLS04	-	-	-	✓	✓
ELPLM06	-	-	-	✓	✓
ELPLM07	-	-	-	✓	✓
ELPLL07	-	-	-	✓	✓

Lens Specifications

Lens Model Number	Projector Size when Lens Installed D (mm)	Amount of Lens Protrusion (mm)	Lens Diameter (mm)	Lens Mass (g)	F Value	f (mm)	Zoom Rate
ELPLX02S ELPLX02WS	621	53	-	5000	1.9	8.0	-
ELPLU03	613	45	φ 149.9	1800	2.0 - 2.3	11.1 - 13.1	1.2
ELPLU03S	613	45	φ 149.9	2300	2.0 - 2.3	11.1 - 13.1	1.2
ELPLU04	642	74	φ 150	3100	2.0 - 2.1	14.8 - 17.7	1.2
ELPLW05	581	13	φ 135	1450	2.0 - 2.2	17.6 - 24.3	1.4
ELPLW08	642	74	φ 138.5	3050	2.0 - 2.2	19.7 - 27.5	1.4
ELPLW06	612	44	φ 129.8	2950	1.8 - 2.3	27.3 - 37.0	1.4
ELPLM08	572	4	φ 114.9	1200	1.7 - 2.3	24.0 - 38.2	1.6
ELPLM09 ELPLM15	579	11	φ 104.6	1900	1.8 - 2.3	36.0 - 57.4	1.6
ELPLM10	622	54	φ 104.6	2200	1.8 - 2.4	55.4 - 83.3	1.5

Lens Model Number	Projector Size when Lens Installed D (mm)	Amount of Lens Protrusion (mm)	Lens Diameter (mm)	Lens Mass (g)	F Value	f (mm)	Zoom Rate
ELPLM11	629	61	φ 104	2200	1.8 - 2.4	80.6 - 121.1	1.5
ELPLL08	627	59	φ 104	2200	1.8 - 2.5	119.0 - 165.4	1.4

Light Output

Lens Model Number	EH-QL7000B EH-QL7000W		EH-QL3000B EH-QL3000W CH-QL3000B CH-QL3000W	
	Light Output (lm)	Brightness Limit (%)	Light Output (lm)	Brightness Limit (%)
ELPLX02S ELPLX02WS	8,400	100	5,000	100
ELPLU03	8,500	100	5,100	100
ELPLU03S	8,500	100	5,100	100
ELPLU04	9,400	100	5,600	100
ELPLW05	8,700	100	5,200	100
ELPLW08	9,500	100	5,700	100
ELPLW06	9,500	100	5,700	100
ELPLM08	9,600	100	5,700	100
ELPLM09	9,900	100	5,900	100
ELPLM15	10,000	100	6,000	100
ELPLM10	9,900	100	5,900	100
ELPLM11	7,100	75	5,700	100
ELPLL08	5,200	55	5,100	90

Lens Function Table

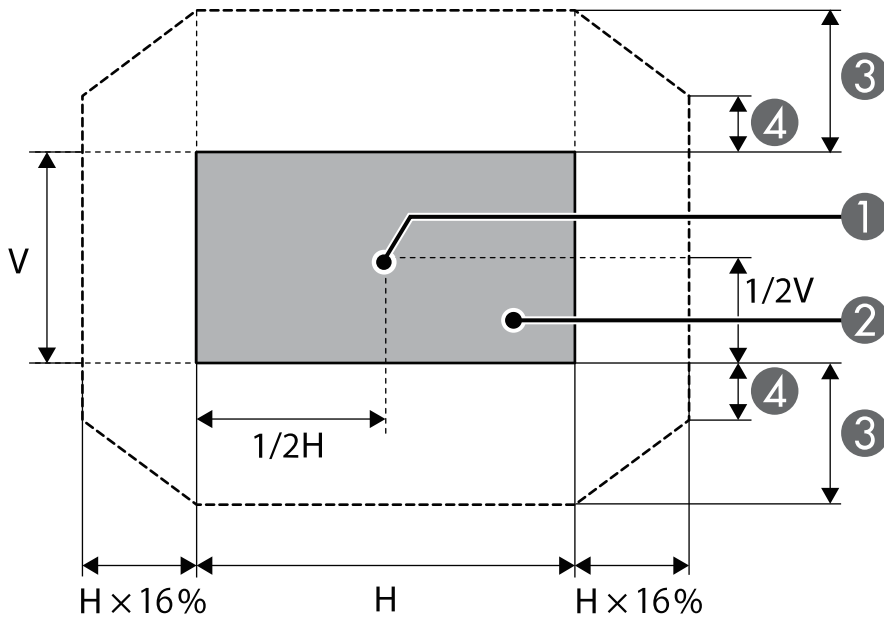
Lens Model Number	Function					
	Powered Zoom	Powered Focus	Powered Distortion	Powered Lens Shift	Lens Memory	Lens Type Recognition
ELPLX02S ELPLX02WS	-	✓	✓	✓	✓	✓
ELPLU03 ELPLU03S	✓	✓	✓	✓	✓	✓
ELPLU04	✓	✓	✓	✓	✓	✓
ELPLW05	✓	✓	✓	✓	✓	✓
ELPLW08	✓	✓	✓	✓	✓	✓
ELPLW06	✓	✓	-	✓	✓	✓
ELPLM08	✓	✓	-	✓	✓	✓
ELPLM09	✓	✓	-	✓	✓	✓
ELPLM15	✓	✓	-	✓	✓	✓
ELPLM10	✓	✓	-	✓	✓	✓
ELPLM11	✓	✓	-	✓	✓	✓
ELPLL08	✓	✓	-	✓	✓	✓

Available Lens Shift Adjustment Range

The ranges within which the image can be moved are shown below.

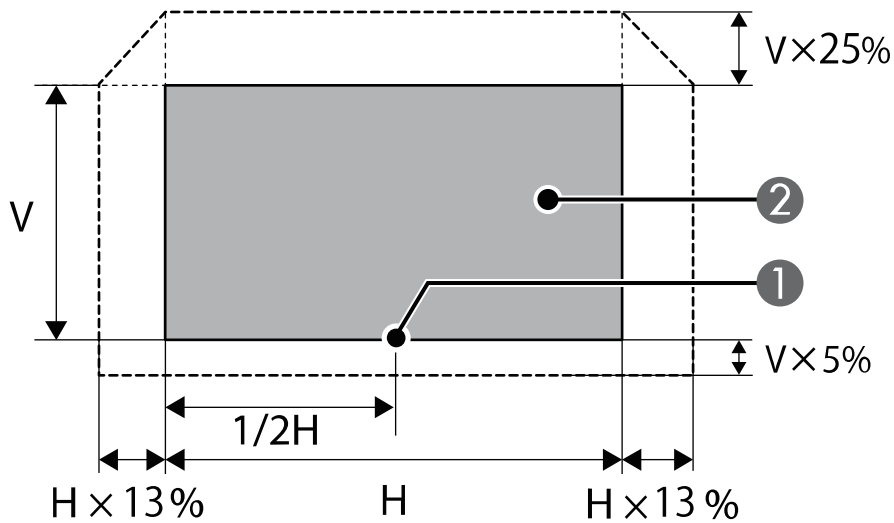
The position of the projected image cannot be moved to both the horizontal and vertical maximum values.

When using ELPLU04/ELPLW08/ELPLW06/ELPLM09/ELPLM15/ELPLM10/ELPLM11/ELPLL08



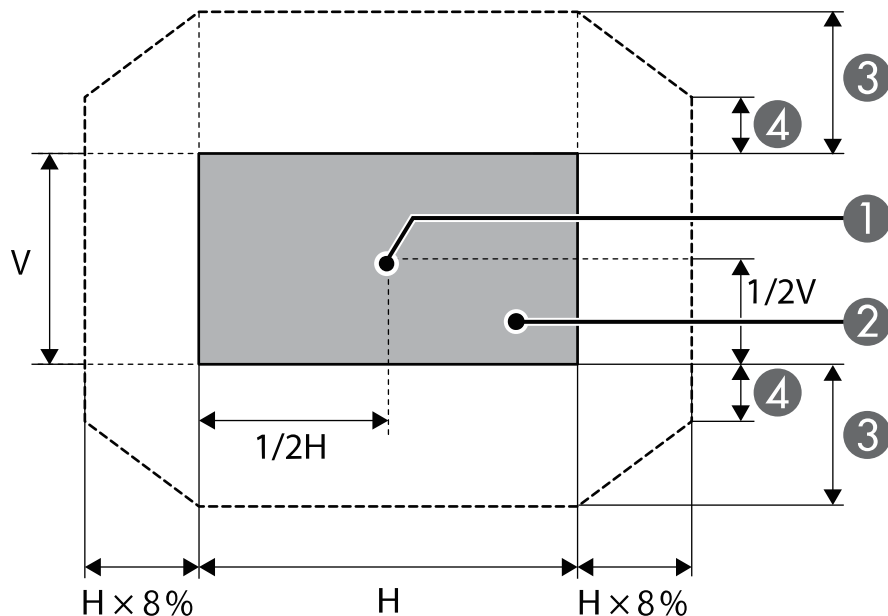
- ① Center of lens
- ② Projected image when the lens position is moved to the home position
- ③ Maximum motion range: $V \times 64\%$
- ④ When the horizontal direction is at the maximum value: $V \times 34\%$

When using ELPLX02S/ELPLX02WS



- ① Center of lens
- ② Projected image when the lens position is moved to the home position

When using ELPLU03/ELPLU03S/ELPLW05/ELPLM08



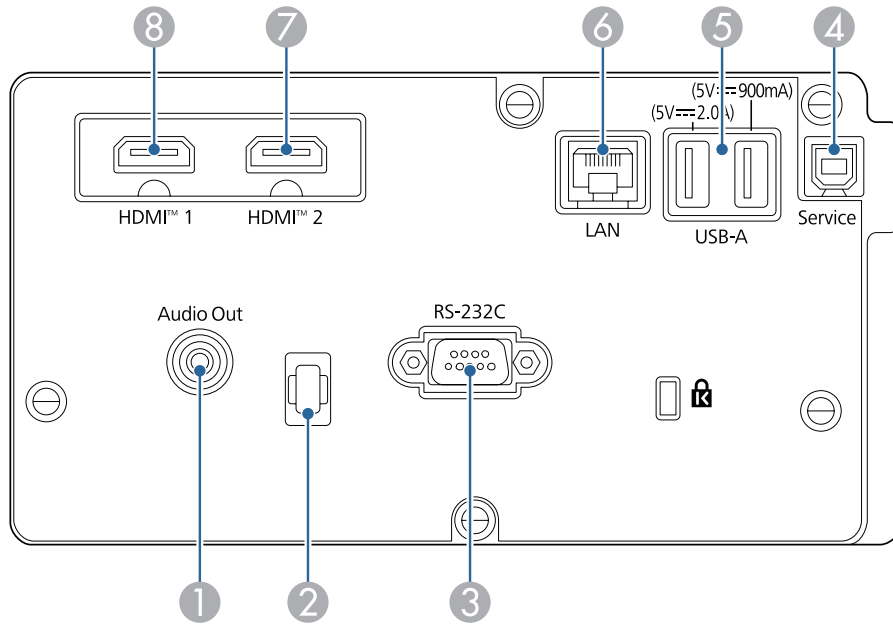
- ① Center of lens
- ② Projected image when the lens position is moved to the home position
- ③ Maximum motion range: $V \times 25\%$
- ④ When the horizontal direction is at the maximum value: $V \times 0\%$

Mounts Specifications

Product name	Dimensions	Weight	Maximum load capacity	Adjustment range
Ceiling Mount ELPMB67 *	356 (W) \times 124 (H) \times 330 (D) mm	Approx. 5.7 kg	Approx. 40 kg	Vertical tilt -15 to 5° Horizontal tilt \pm 5° Horizontal rotation \pm 5° Front/rear slide \pm 36 mm
Ceiling Mount ELPMB48 *	400 (W) \times 428 (H) \times 330 (D) mm	Approx. 16 kg	Approx. 75 kg	Vertical tilt -25 to 5° Horizontal tilt \pm 5° Horizontal rotation \pm 5° Front/rear slide \pm 30 mm
Ceiling Mount ELPMB47 *	400 (W) \times 124 (H) \times 330 (D) mm	Approx. 11 kg	Approx. 75 kg	Vertical tilt \pm 5° Horizontal tilt \pm 5° Horizontal rotation \pm 5° Front/rear slide \pm 30 mm
Suspension Adapter ELPFP15	Φ 270 \times 352 mm	Approx. 4.4 kg	-	460 to 680 mm Used with ceiling mount (ELPMB67)

* Special expertise is required to suspend the projector from a ceiling. Contact Epson for help.

■ Projector Parts - Interface



No.	Name	Notes
①	Audio Out port (Stereo mini pin jack)	Outputs audio from the current input source to an external speaker.
②	Cable holder	Pass a commercially available cable tie through here to secure cables.
③	RS-232C port (Mini D-Sub 9-pin, male)	Use to connect an RS-232C cable to control the projector from a computer.
④	Service port (USB connector Type B)	This port is used for batch settings and firmware update.
⑤	USB-A port (USB connector Type A)	Use to connect a USB memory device for projecting movies or images in Content Playback mode. This port is used for batch settings and firmware update. Provides a connection for a streaming media player to power it. Can be powered at 5 V/2 A or 5 V/ 900 mA.
⑥	LAN port (RJ-45)	Use a 100Base-TX or 10Base-T network cable. To ensure proper data transmission, use a Category 5 shielded cable or better.
⑦	HDMI2 port (HDMI)	Inputs video signals from HDMI compatible video equipment and computers. This port is compatible with HDCP2.3. (Audio is only supported by PCM)
⑧	HDMI1 port (HDMI)	Inputs video signals from HDMI compatible video equipment and computers. This port is compatible with HDCP2.3. (Audio is only supported by PCM)

■ Supported Monitor Display Resolutions

The table here lists the compatible refresh rate and resolution for each compatible video display format.

HDMI

Signal Information				HDMI													
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB				
				4:2:0			4:2:2			4:4:4			RGB				
				8	10	12	8	10	12	8	10	12	8	10	12		
PC	640 x 480	59.94p	Single	-	-	-	-	-	-	-	-	-	-	-	✓	-	-
PC	800 x 600	60.32p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1024 x 768	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1280 x 800	59.81p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1280 x 960	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1280 x 1024	60.02p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1366 x 768	59.79p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1400 x 1050	59.98p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1440 x 900	59.89p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1600 x 900	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1600 x 1200	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1680 x 1050	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1920 x 1200	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2048 x 1536	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2560 x 1440	59.95p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2560 x 1600	59.97p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1920 x 720	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	1920 x 810	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	2880 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	3200 x 900	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	3240 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	3440 x 1440	30p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	3456 x 1080	30p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC	3456 x 1080	60p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	720 x 480	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	720 x 576	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	50p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	1280 x 720	60p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video *1	720 x 480	59.94i	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video *1	720 x 576	50i	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	23.98p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	24p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	1920 x 1080	29.97p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	30p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	50p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	59.94p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	60p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	50i	Single	-	-	-	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2
Video	1920 x 1080	59.94i	Single	-	-	-	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2
Video	1920 x 1080	60i	Single	-	-	-	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2
Video	1920 x 1080	100p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	119.88p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	1920 x 1080	120p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓*A	✓*A
Video	2560 x 1080	50p	Single	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Video	2560 x 1080	59.94p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	2560 x 1080	60p	Single	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Signal Information				HDMI											
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr									RGB		
				4:2:0			4:2:2			4:4:4			RGB		
				8	10	12	8	10	12	8	10	12	8	10	12
Video	3840 x 2160	23.98p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	24p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	25p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	29.97p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	30p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	50p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	59.94p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	60p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	4096 x 2160	23.98p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	4096 x 2160	24p	Single	-	-	-	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	4096 x 2160	25p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	29.97p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	30p	Single	-	-	-	-	-	-	-	-	-	-	-	-
Video	4096 x 2160	50p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	4096 x 2160	59.94p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	4096 x 2160	60p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	✓*A
Video	3840 x 2160	100p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	-	✓	✓*A	-
Video	3840 x 2160	119.88p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	-	✓	✓*A	-
Video	3840 x 2160	120p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	-	✓	✓*A	-
Video	4096 x 2160	100p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	-	✓	✓*A	-
Video	4096 x 2160	119.88p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	-	✓	✓*A	-
Video	4096 x 2160	120p	Single	✓	✓*A	✓*A	✓	✓*A	✓*A	✓	✓*A	-	✓	✓*A	-

• General notes

Formats with ✓ in 10 bit and 12 bit support deep color.

• Notes (*1 and 2)

*1: Pixel repetition: The valid horizontal resolution is 720 (1,440).

*2: When interlaced signals are input, line doubler processing is performed, so the projected image may flicker.

• HDR Support Information (*A)

	HDR Supported	Color Space	Standard
*A	HDR10, HLG	BT.2020	BT.2100

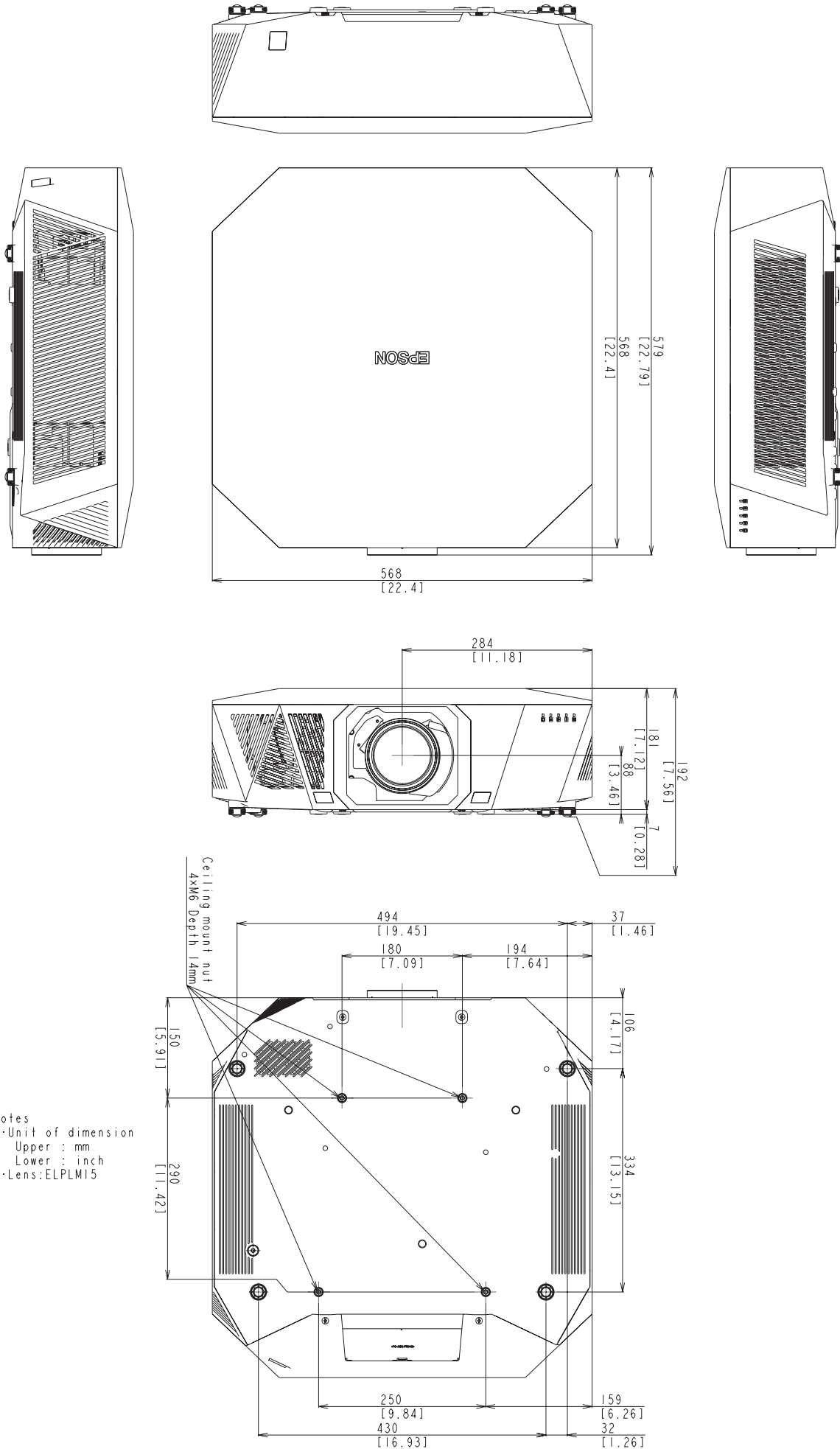
■ File Formats Supported in Content Playback Mode

You can project these types of files using the projector's Content Playback feature.

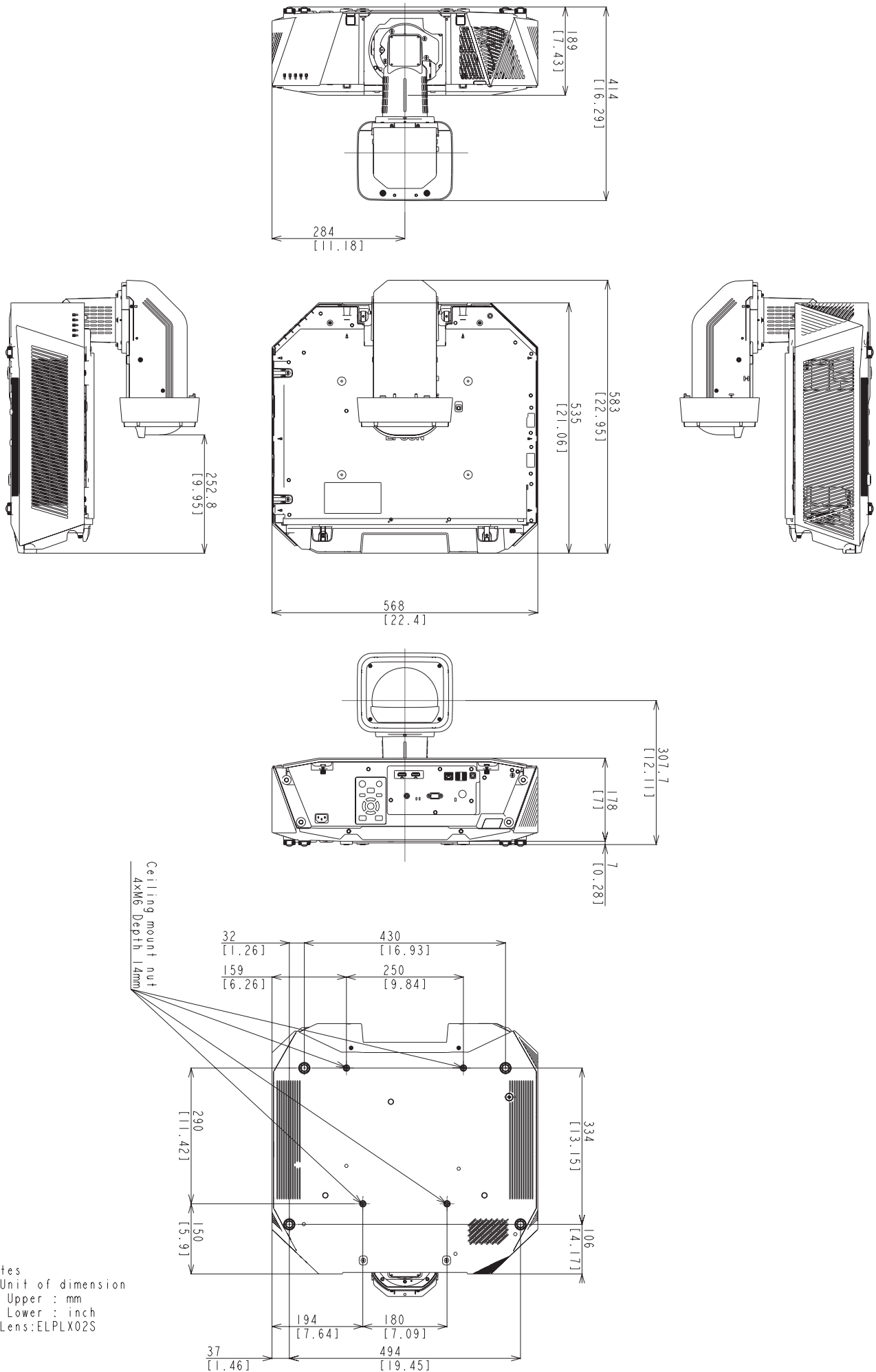
File contents	File type (extension)	Details
Image	.jpg	<ul style="list-style-type: none"> • We recommend JPEGs taken with a digital still camera that complies with the Exif standard. • The number of vertical and horizontal pixels must be a multiple of 8. • Make sure the file is not: <ul style="list-style-type: none"> • Progressive format • Above 8,192 × 8,192 resolution
	.bmp	Make sure the file is not: <ul style="list-style-type: none"> • Above 1,280 × 800 resolution
	.gif	<ul style="list-style-type: none"> • The image must be a transparent gif with a black background. • Make sure the file is not: <ul style="list-style-type: none"> • Above 1,280 × 800 resolution • Animated • Interlaced
	.png	Make sure the file is not: <ul style="list-style-type: none"> • Above 1,280 × 800 resolution • Interlaced
Movie	.avi (Motion JPEG)	<ul style="list-style-type: none"> • Version: AVI 1.0 only • Resolution: 1,280 × 800 or less • Size: 2 GB or less • Movie Codec: Motion JPEG • Audio Codec: LPCM, IMA ADPCM, or no audio • Audio sampling rate: 11.025 kHz, 22.05 kHz, 44.1 kHz, 16 kHz, 24 kHz, 32 kHz, 48 kHz

External Dimensions

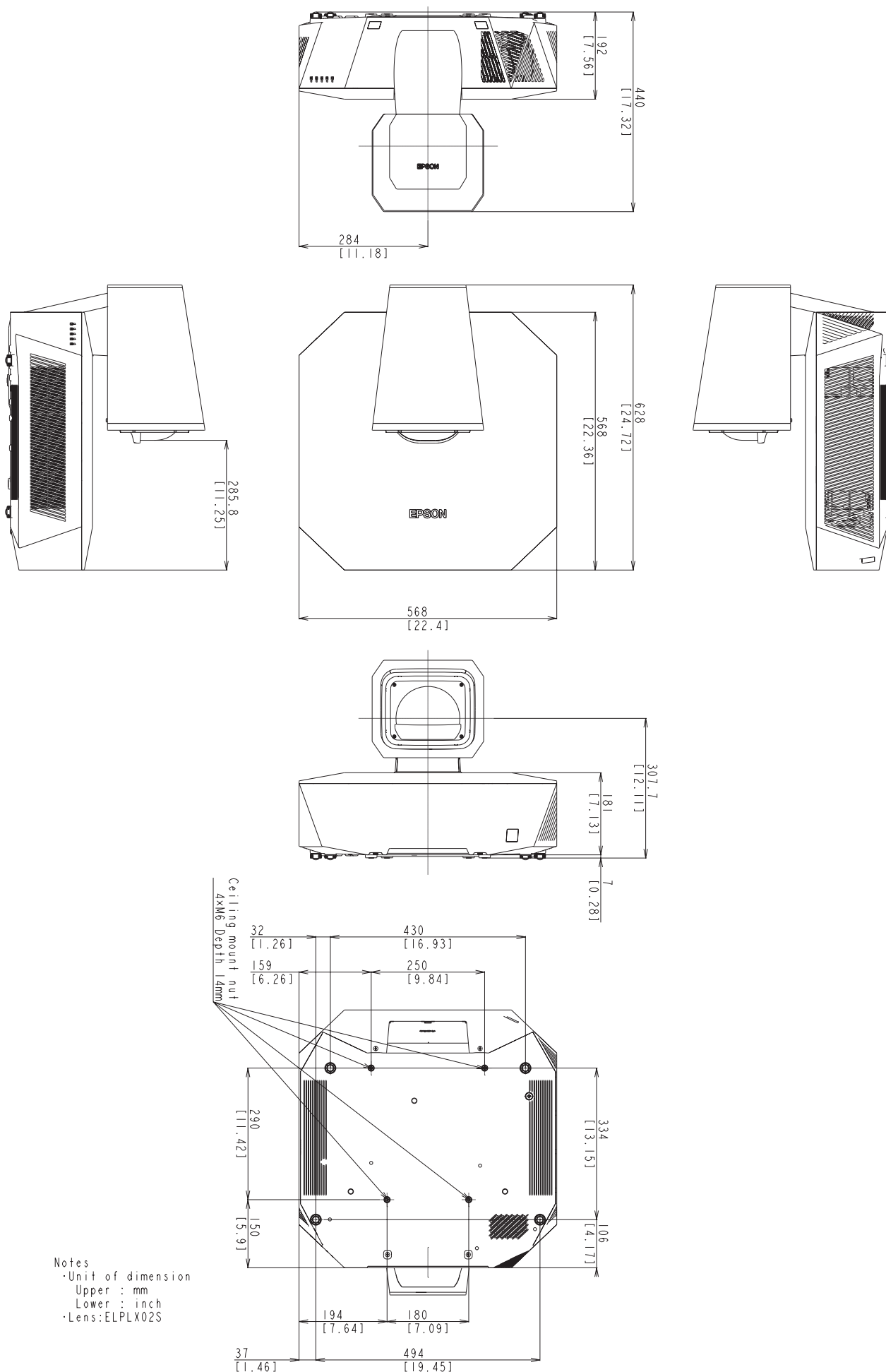
When lens unit ELPLM15 is installed



When lens unit ELPLX02S/ELPLX02WS is installed

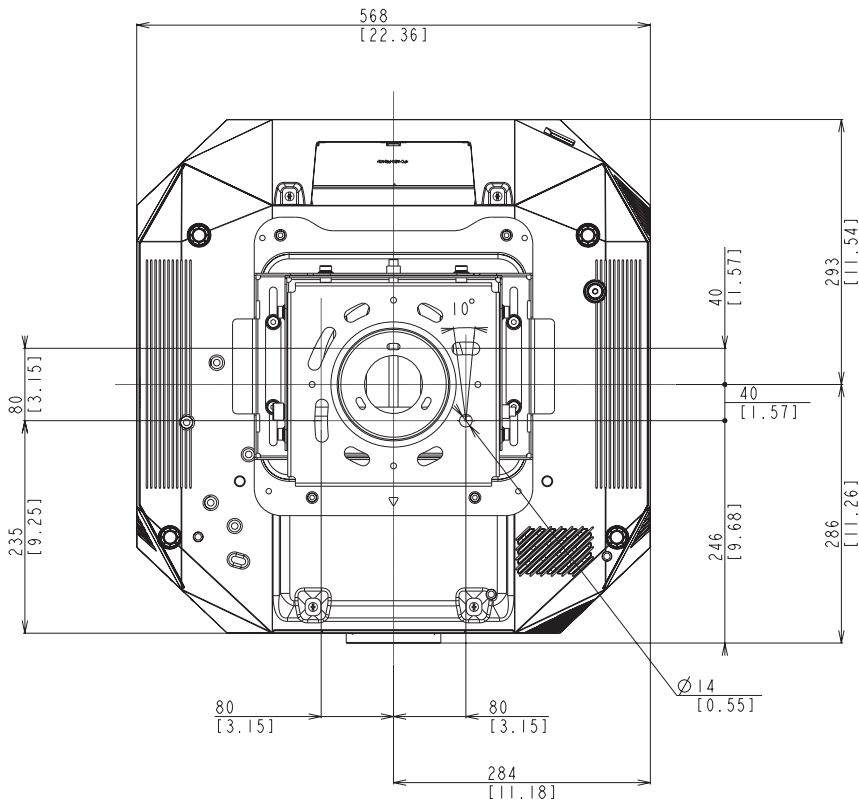


When lens unit ELPLX02S/ELPLX02WS + lens housing ELPVB02W/ELPVB03B/ELPVB04C are installed

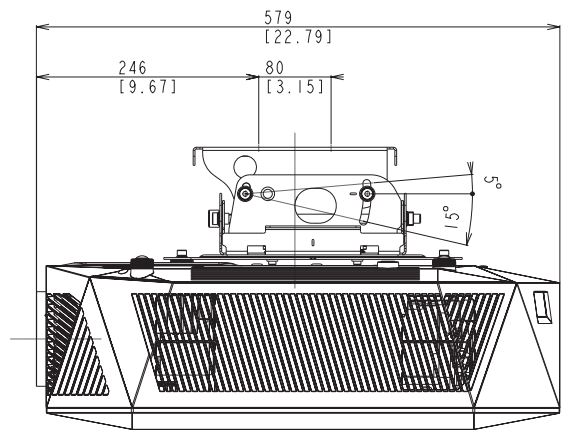
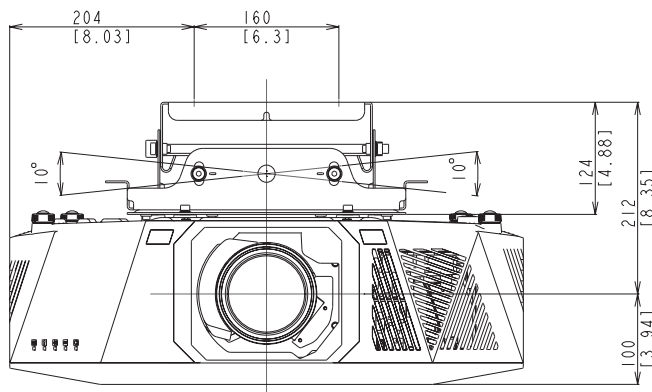


Notes
 ·Unit of dimension
 Upper : mm
 Lower : inch
 ·Lens:ELPLX02S

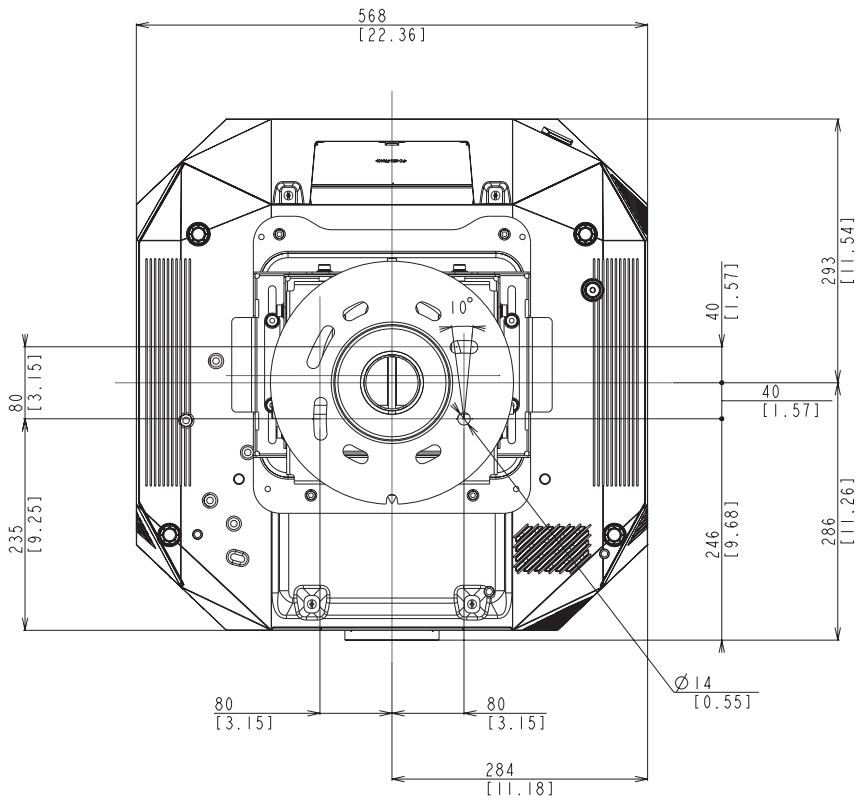
When lens unit ELPLM15 + ceiling mount ELPMB67 are installed



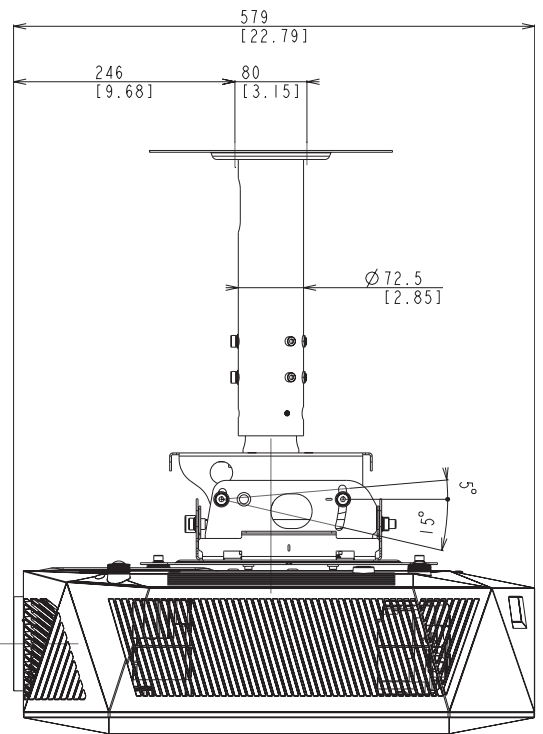
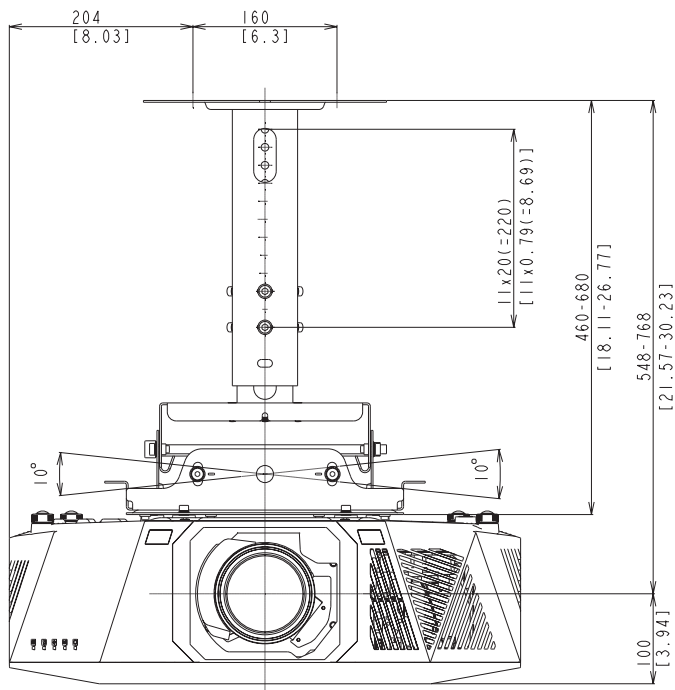
Notes
 · Unit of dimension
 Upper : mm
 Lower : inch
 · Lens:ELPLM15



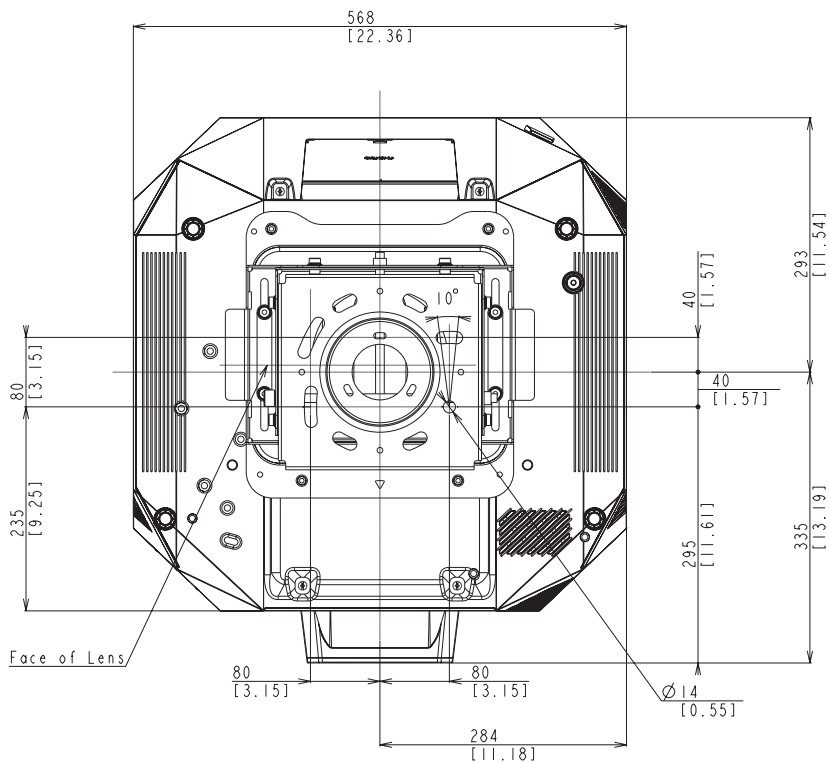
When lens unit ELPLM15 + ceiling mount ELPMB67 + suspension adapter ELPFP15 are installed



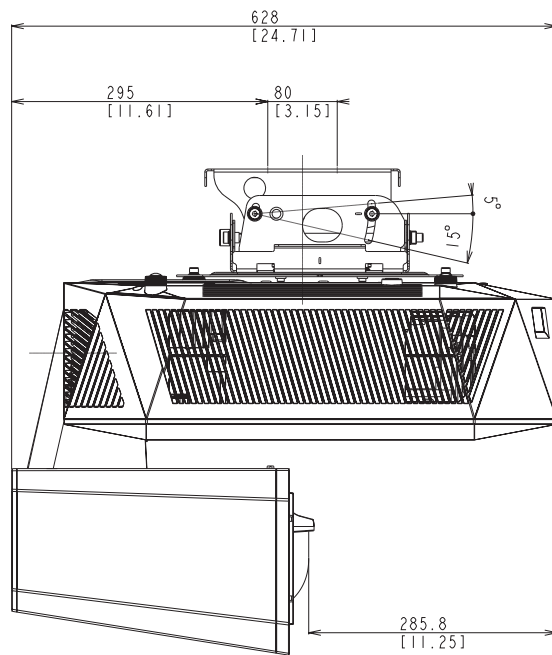
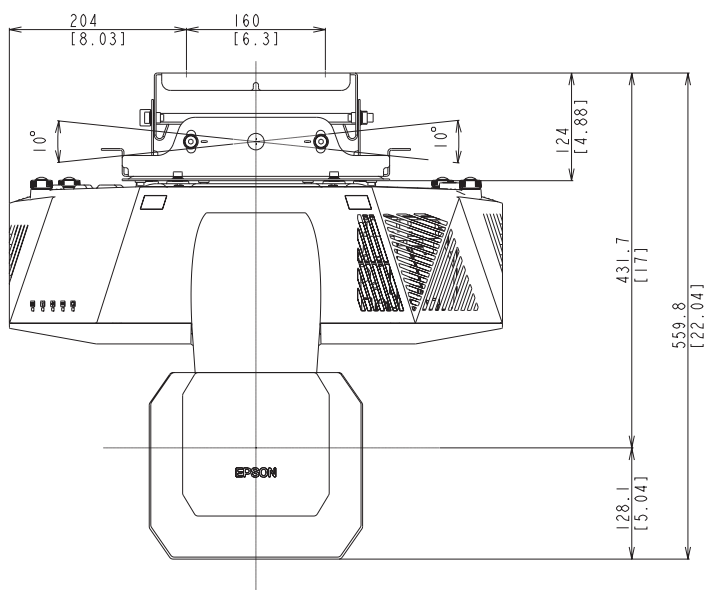
Notes
 · Unit of dimension
 Upper : mm
 Lower : inch
 · Lens: ELPLM15



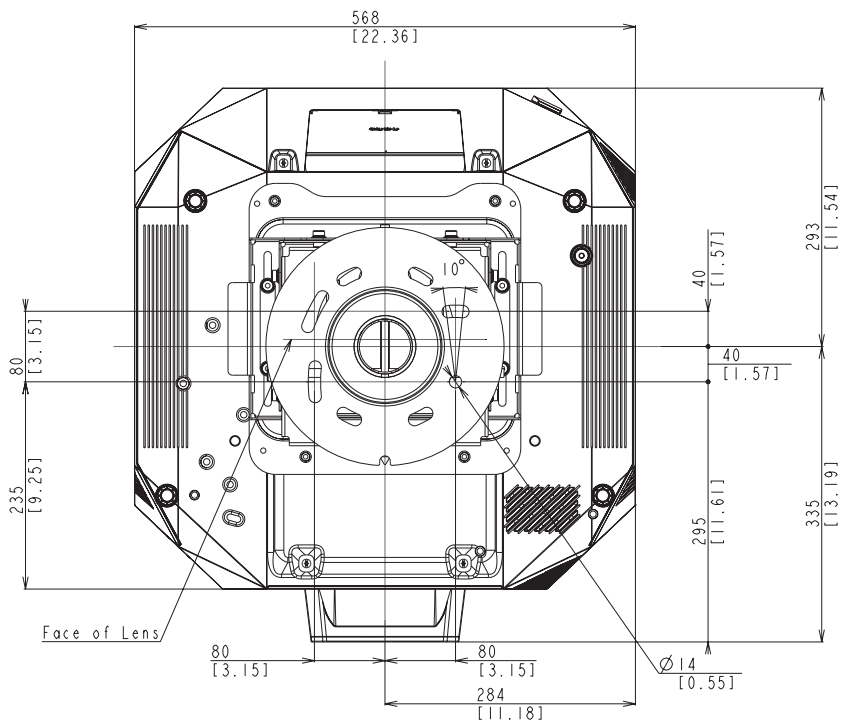
When lens unit ELPLX02S/ELPLX02WS + lens housing ELPVB02W/ELPVB03B/ELPVB04C + ceiling mount ELPMB67 are installed



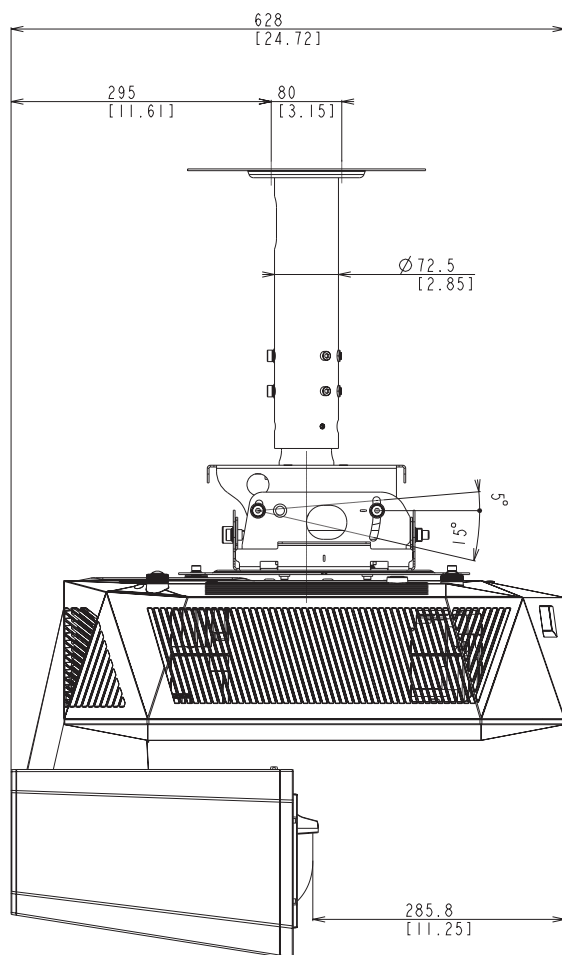
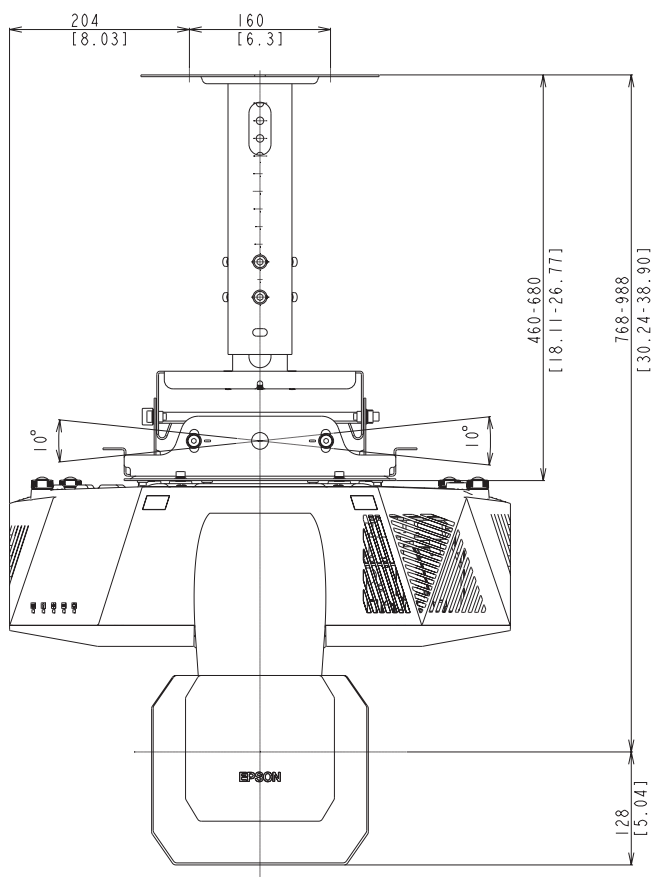
Notes
 · Unit of dimension
 Upper : mm
 Lower : inch
 · Lens:ELPLX02S



When lens unit ELPLX02S/ELPLX02WS + lens housing ELPVB02W/ELPVB03B/ELPVB04C + ceiling mount ELPMB67 + suspension adapter ELPFP15 are installed



Notes
 ·Unit of dimension
 Upper : mm
 Lower : inch
 ·Lens:ELPLX02S



■ Precautions on Installation

You can install the projector or mount it to the ceiling at any horizontal or vertical angle. There are no restrictions on the installation angle, whether it is installed vertically or horizontally.

Note the following precautions when installing the projector.

⚠ Warning

- Do not use adhesives on the ceiling mount fixing points to prevent the screws from loosening, or use lubricants, oils, or similar substances on the projector; the projector case may crack causing it to fall from its ceiling mount. This could cause serious injury to anyone under the ceiling mount and could damage the projector.
- Do not install the projector in a location subject to high levels of dust or humidity, or in a location subject to smoke or steam. Otherwise, it could cause a fire or electric shock to occur. The projector's case could also deteriorate and be damaged causing the projector to fall from the mount.

Examples of environments that could cause the projector to fall due to case deterioration

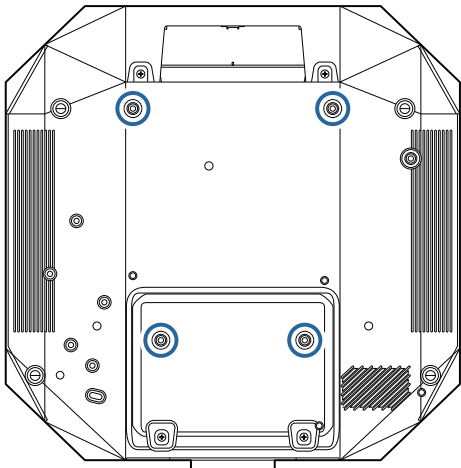
- Locations subject to excessive smoke or airborne oil particles, such as factories or kitchens
- Locations containing volatile solvents or chemicals, such as factories or laboratories
- Locations where the projector could be subjected to detergents or chemicals, such as factories or kitchens
- Locations in which aroma oils are often used, such as relaxation rooms
- Near devices that produce excessive smoke, airborne oil particles, or foam at events

⚠ Caution

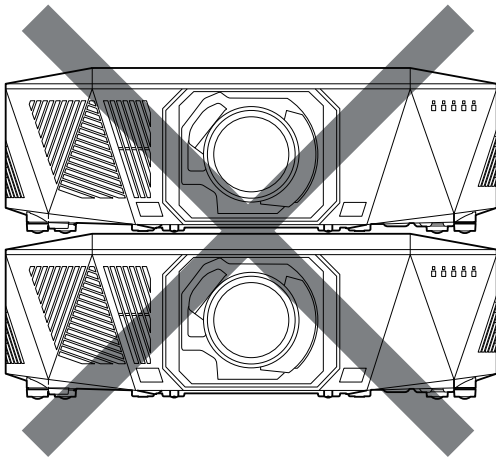
Protect your hands with gloves or other safety items when installing the projector.

Caution

- Use M6 screws (up to a depth of 14 mm) to fix the projector's ceiling mount fixing points and the mounting hardware at four points.



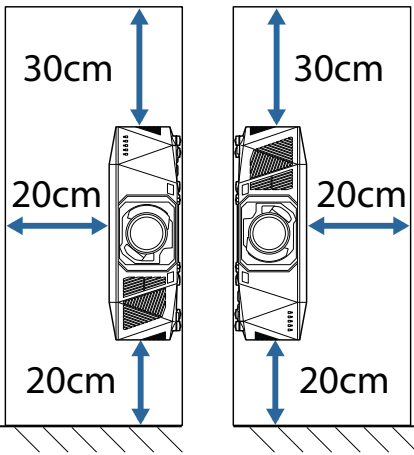
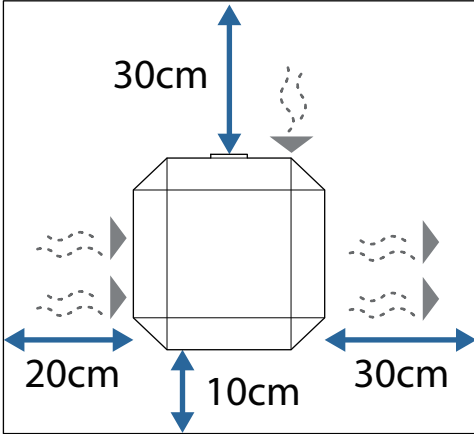
- Do not stack projectors directly on top of each other.



Installation space

Caution

- Be sure to leave the following amount of space around the projector so as not to block the air exhaust and intake vents.

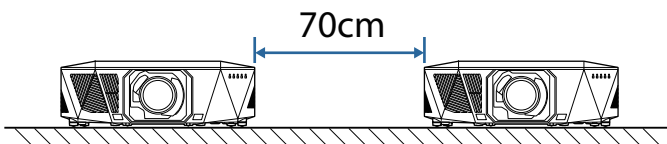


- Do not install the projector in a location that does not allow air to circulate, such as on a shelf or in a box. If you want to install the projector on a shelf or in an enclosure, contact Epson for more details.
- If there is not enough space around the projector and the internal temperature of the projector increases, the brightness of the light source may decrease. Make sure hot air from the exhaust vent does not go into the air intake vent.

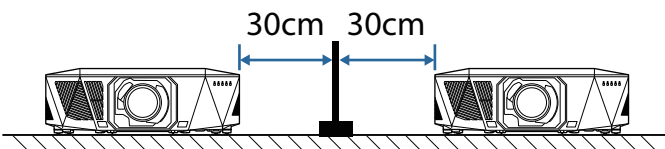
Installation space (When installing multiple projectors side by side)

Caution

- If you are installing multiple projectors next to each other, make sure hot air from the exhaust vent does not go into the air intake vent of another projector.



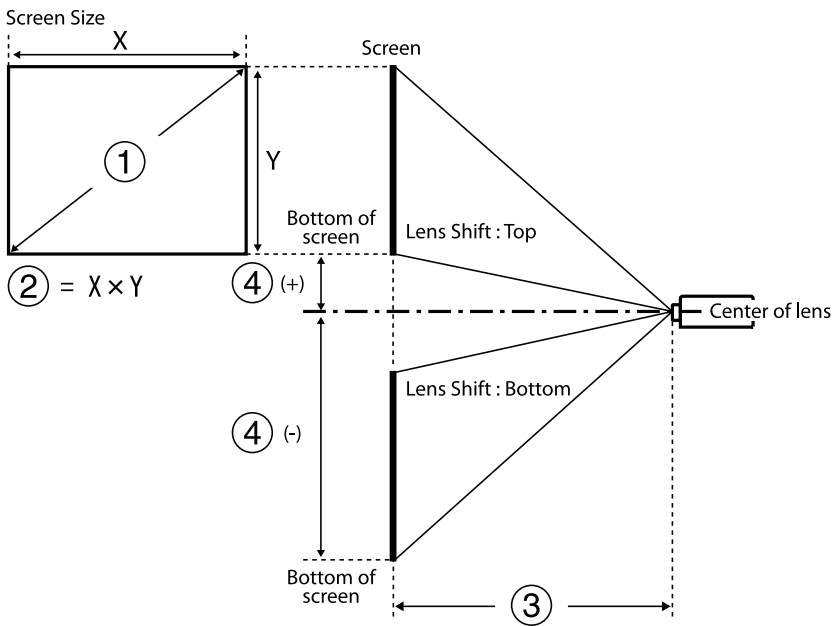
- If you use a partition, you can narrow the space between the projectors.



■ Screen Size and Projection Distance

Check the tables in these sections to determine how far to place the projector from the screen based on the size of the projected image.

Projection distance formula



- ① Screen size (inches)
- ② Screen size (Width \times Height) (cm)
- ③ Projection distance (Minimum: Wide to Maximum: Tele) (cm)
- ④ Distance from the center of the lens to the bottom of the screen (cm)

16:9

Lens		Projection distance formula	Throw ratio (projection distance/x)
ELPLX02S ELPLX02WS	-	③ (cm) = (inches) ① \times 0.77 - 3.41	0.34
ELPLU03 ELPLU03S	Minimum	③ (cm) = (inches) ① \times 1.04 - 3.47	0.46 - 0.56
	Maximum	③ (cm) = (inches) ① \times 1.25 - 3.28	
ELPLU04	Minimum	③ (cm) = (inches) ① \times 1.40 - 5.23	0.62 - 0.75
	Maximum	③ (cm) = (inches) ① \times 1.69 - 5.30	
ELPLW05	Minimum	③ (cm) = (inches) ① \times 1.69 - 7.87	0.74 - 1.04
	Maximum	③ (cm) = (inches) ① \times 2.34 - 5.81	
ELPLW08	Minimum	③ (cm) = (inches) ① \times 1.87 - 3.98	0.83 - 1.17
	Maximum	③ (cm) = (inches) ① \times 2.63 - 5.13	
ELPLW06	Minimum	③ (cm) = (inches) ① \times 2.60 - 7.47	1.15 - 1.57
	Maximum	③ (cm) = (inches) ① \times 3.53 - 6.97	
ELPLM08	Minimum	③ (cm) = (inches) ① \times 2.30 - 5.10	1.02 - 1.64
	Maximum	③ (cm) = (inches) ① \times 3.68 - 4.54	
ELPLM09 ELPLM15	Minimum	③ (cm) = (inches) ① \times 3.43 - 8.09	1.52 - 2.47
	Maximum	③ (cm) = (inches) ① \times 5.54 - 8.00	
ELPLM10	Minimum	③ (cm) = (inches) ① \times 5.29 - 13.19	2.34 - 3.59
	Maximum	③ (cm) = (inches) ① \times 8.05 - 13.07	
ELPLM11	Minimum	③ (cm) = (inches) ① \times 7.76 - 23.84	3.42 - 5.23
	Maximum	③ (cm) = (inches) ① \times 11.75 - 23.54	
ELPLL08	Minimum	③ (cm) = (inches) ① \times 11.53 - 32.22	5.09 - 7.16
	Maximum	③ (cm) = (inches) ① \times 16.10 - 31.78	

Lens	Distance from the center of the lens to the base of the screen
ELPLX02S ELPLX02WS	$\textcircled{4} (+) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.31$ $\textcircled{4} (-) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.06$
ELPLU03 ELPLU03S ELPLW05 ELPLM08	$\textcircled{4} (+) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.30$ $\textcircled{4} (-) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.94$
ELPLU04 ELPLW08 ELPLW06 ELPLM09 ELPLM15 ELPLM10 ELPLM11 ELPLL08	$\textcircled{4} (+) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.18$ $\textcircled{4} (-) (\text{cm}) = (\text{inches}) \textcircled{1} \times 1.43$

4:3

Lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02S ELPLX02WS	-	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.94 - 3.41$	0.45
ELPLU03 ELPLU03S	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 1.27 - 3.47$	0.61 - 0.74
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 1.53 - 3.28$	
ELPLU04	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 1.72 - 5.23$	0.82 - 1.00
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 2.07 - 5.30$	
ELPLW05	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 2.07 - 7.87$	0.99 - 1.38
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 2.86 - 5.81$	
ELPLW08	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 2.29 - 3.98$	1.11 - 1.56
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 3.22 - 5.13$	
ELPLW06	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 3.18 - 7.47$	1.53 - 2.09
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 4.32 - 6.97$	
ELPLM08	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 2.81 - 5.10$	1.36 - 2.18
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 4.50 - 4.54$	
ELPLM09 ELPLM15	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 4.19 - 8.09$	2.03 - 3.30
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 6.78 - 8.00$	
ELPLM10	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 6.48 - 13.19$	3.13 - 4.78
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 9.85 - 13.07$	
ELPLM11	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 9.50 - 23.84$	4.56 - 6.97
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 14.38 - 23.54$	
ELPLL08	Minimum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 14.11 - 32.22$	6.79 - 9.55
	Maximum	$\textcircled{3} (\text{cm}) = (\text{inches}) \textcircled{1} \times 19.71 - 31.78$	

Lens	Distance from the center of the lens to the base of the screen
ELPLX02S ELPLX02WS	$\textcircled{4} (+) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.38$ $\textcircled{4} (-) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.08$
ELPLU03 ELPLU03S ELPLW05 ELPLM08	$\textcircled{4} (+) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.37$ $\textcircled{4} (-) (\text{cm}) = (\text{inches}) \textcircled{1} \times 1.16$
ELPLU04 ELPLW08 ELPLW06 ELPLM09 ELPLM15 ELPLM10 ELPLM11 ELPLL08	$\textcircled{4} (+) (\text{cm}) = (\text{inches}) \textcircled{1} \times 0.22$ $\textcircled{4} (-) (\text{cm}) = (\text{inches}) \textcircled{1} \times 1.75$

16:10

Projection lens	Projection distance formula		Throw ratio (projection distance/x)
ELPLX02S ELPLX02WS	-	③ (cm) = (inches) ① × 0.83 - 3.41	0.37
ELPLU03 ELPLU03S	Minimum	③ (cm) = (inches) ① × 1.13 - 3.47	0.51 - 0.62
	Maximum	③ (cm) = (inches) ① × 1.35 - 3.28	
ELPLU04	Minimum	③ (cm) = (inches) ① × 1.52 - 5.23	0.68 - 0.83
	Maximum	③ (cm) = (inches) ① × 1.83 - 5.30	
ELPLW05	Minimum	③ (cm) = (inches) ① × 1.83 - 7.87	0.82 - 1.15
	Maximum	③ (cm) = (inches) ① × 2.52 - 5.81	
ELPLW08	Minimum	③ (cm) = (inches) ① × 2.02 - 3.98	0.93 - 1.30
	Maximum	③ (cm) = (inches) ① × 2.84 - 5.13	
ELPLW06	Minimum	③ (cm) = (inches) ① × 2.815 - 7.47	1.27 - 1.74
	Maximum	③ (cm) = (inches) ① × 3.81 - 6.97	
ELPLM08	Minimum	③ (cm) = (inches) ① × 2.48 - 5.10	1.14 - 1.82
	Maximum	③ (cm) = (inches) ① × 3.98 - 4.54	
ELPLM09 ELPLM15	Minimum	③ (cm) = (inches) ① × 3.70 - 8.09	1.69 - 2.75
	Maximum	③ (cm) = (inches) ① × 5.98 - 8.00	
ELPLM10	Minimum	③ (cm) = (inches) ① × 5.72 - 13.19	2.61 - 3.99
	Maximum	③ (cm) = (inches) ① × 8.70 - 13.07	
ELPLM11	Minimum	③ (cm) = (inches) ① × 8.39 - 23.84	3.80 - 5.81
	Maximum	③ (cm) = (inches) ① × 12.71 - 23.54	
ELPLL08	Minimum	③ (cm) = (inches) ① × 12.46 - 32.22	5.66 - 7.96
	Maximum	③ (cm) = (inches) ① × 17.41 - 31.78	

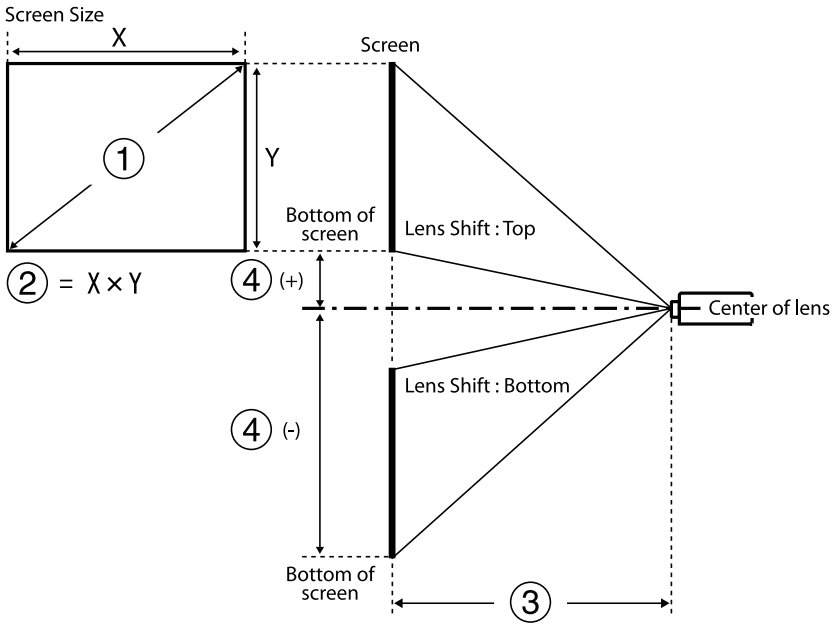
Lens	Distance from the center of the lens to the base of the screen
ELPLX02S ELPLX02WS	④ (+) (cm) = (inches) ① × 0.34 ④ (-) (cm) = (inches) ① × 0.07
ELPLU03 ELPLU03S ELPLW05 ELPLM08	④ (+) (cm) = (inches) ① × 0.33 ④ (-) (cm) = (inches) ① × 1.02
ELPLU04 ELPLW08 ELPLW06 ELPLM09 ELPLM15 ELPLM10 ELPLM11 ELPLL08	④ (+) (cm) = (inches) ① × 0.20 ④ (-) (cm) = (inches) ① × 1.54

Projection Distance

The projection distances are approximate values.

Our website provides tools that allow you to perform more detailed projection simulations. Use them, as needed.

<http://www.epson.com/>



- ① Screen size (inches)
- ② Screen size (Width × Height) (cm)
- ③ Projection distance (Minimum: Wide to Maximum: Tele) (cm)
- ④ Distance from the center of the lens to the bottom of the screen (cm)

When you project an over 500 inches image, the image may become a little bit blurred.

16:9

ELPLX02S/ELPLX02WS

①	②	③		④
Inches	Width × Height	ELPLX02S/ELPLX02WS		
100	221 × 125	73		-6 - 31
110	244 × 137	81		-7 - 34
120	266 × 149	89		-7 - 38
150	332 × 187	112		-9 - 47
200	443 × 249	150		-12 - 63
300	664 × 374	227		-19 - 94
500	1107 × 623	380		-31 - 157
600	1328 × 747	457		-37 - 188
800	1771 × 996	611		-50 - 251
1000	2214 × 1245	764		-62 - 313

ELPLU03/ELPLU03S/ELPLM08

①	②	③		④
Inches	Width × Height	ELPLU03 ELPLU03S	ELPLM08	
80	177 × 100	80-97	179-290	-76 - -24
100	221 × 125	101-122	225-363	-94 - -30
120	266 × 149	121-147	271-437	-113 - -36
150	332 × 187	153-184	340-547	-142 - -45
200	443 × 249	205-247	455-731	-189 - -60

①	②	③		④
Inches	Width × Height	ELPLU03 ELPLU03S	ELPLM08	
250	553 × 311	257-309	570-915	-236 - -75
300	664 × 374	309-372	684-1099	-283 - -90
500	1107 × 623	517-622	1144-1835	-472 - -150
800	1771 × 996	830-998	1834-2939	-756 - -241
1000	2214 × 1245	1038-1248	2293-3674	-945 - -301

ELPLU04/ELPLW06/ELPLW08/ELPLM09/ELPLM15/ELPLM10/ELPLM11/ELPLL08

①	②	③							④
Inches	Width × Height	ELPLU04	ELPLW06	ELPLW08	ELPLM09 ELPLM15	ELPLM10	ELPLM11	ELPLL08	
60	133 × 75	79-96	148-205	108-153	198-324	304-470	442-682	659-934	-86 - 11
80	177 × 100	107-130	200-275	146-205	266-435	410-631	597-917	890-1256	-114 - 14
100	221 × 125	135-164	252-346	183-258	335-546	516-791	752-1152	1121-1578	-143 - 18
120	266 × 149	163-198	304-416	220-310	403-656	622-952	908-1387	1351-1900	-171 - 22
150	332 × 187	205-249	382-522	276-389	506-822	781-1194	1140-1740	1697-2384	-214 - 27
200	443 × 249	276-333	512-699	370-520	677-1099	1046-1596	1529-2327	2273-3189	-285 - 36
300	664 × 374	416-503	772-1052	557-783	1020-1653	1575-2400	2305-3503	3426-4799	-428 - 54
500	1107 × 623	697-841	1291-1757	931-1309	1705-2760	2634-4010	3857-5853	5732-8019	-713 - 90
800	1771 × 996	1119-1349	2070-2816	1491-2097	2733-4421	4222-6423	6186-9380	9190-12850	-1141 - 145
1000	2214 × 1245	1399-1688	2589-3522	1865-2623	3419-5528	5280-8032	7738-11730	11496-16070	-1426 - 181

ELPLW05

①	②	③	④
Inches	Width × Height	ELPLW05	
60	133 × 75	94-134	-57 - -18
80	177 × 100	128-181	-76 - -24
100	221 × 125	161-228	-94 - -30
120	266 × 149	195-274	-113 - -36
150	332 × 187	246-344	-142 - -45
200	443 × 249	331-461	-189 - -60
300	664 × 374	500-695	-283 - -90
500	1107 × 623	839-1162	-472 - -150
800	1771 × 996	1346-1862	-756 - -241
1000	2214 × 1245	1685-2329	-945 - -301

4:3

ELPLX02S/ELPLX02WS

①	②	③	④
Inches	Width × Height	ELPLX02S/ELPLX02WS	
100	203 × 152	91	-8 - 38
110	224 × 168	100	-8 - 42
120	244 × 183	109	-9 - 46
150	305 × 229	138	-11 - 58
200	406 × 305	185	-15 - 77
300	610 × 457	278	-23 - 115
500	1016 × 762	466	-38 - 192

①	②	③	④
Inches	Width × Height	ELPLX02S/ELPLX02WS	
600	1219 × 914	560	-46 - 230
800	1626 × 1219	748	-61 - 307

ELPLU03/ELPLU03S/ELPLM08

①	②	③		④
Inches	Width × Height	ELPLU03 ELPLU03S	ELPLM08	
80	163 × 122	98-119	220-356	-92 - -29
100	203 × 152	124-150	276-446	-116 - -37
120	244 × 183	149-180	332-536	-139 - -44
150	305 × 229	188-226	417-671	-173 - -55
200	406 × 305	251-303	558-896	-231 - -74
250	508 × 381	315-380	698-1121	-289 - -92
300	610 × 457	379-456	839-1346	-347 - -110
500	1016 × 762	634-762	1401-2247	-578 - -184
800	1626 × 1219	1016-1222	2245-3597	-925 - -294

ELPLU04/ELPLW06/ELPLW08/ELPLM09/ELPLM15/ELPLM10/ELPLM11/ELPLL08

①	②	③							④
Inches	Width × Height	ELPLU04	ELPLW06	ELPLW08	ELPLM09 ELPLM15	ELPLM10	ELPLM11	ELPLL08	
60	122 × 91	98-119	183-252	133-188	244-399	376-578	546-840	814-1151	-105 - 13
80	163 × 122	132-160	247-338	179-252	327-534	505-775	736-1127	1096-1545	-140 - 18
100	203 × 152	167-202	310-425	225-316	411-670	635-972	926-1415	1379-1939	-175 - 22
120	244 × 183	201-243	374-511	271-381	495-805	764-1168	1116-1703	1661-2333	-209 - 27
150	305 × 229	253-306	469-641	339-477	621-1008	959-1464	1401-2134	2084-2924	-262 - 33
200	406 × 305	339-409	628-857	453-638	831-1347	1283-1956	1876-2853	2789-3909	-349 - 44
300	610 × 457	511-616	946-1289	682-960	1250-2025	1930-2941	2826-4292	4200-5880	-524 - 66
500	1016 × 762	854-1031	1582-2152	1140-1603	2089-3380	3226-4910	4726-7169	7022-9821	-873 - 111
800	1626 × 1219	1370-1652	2535-3448	1826-2568	3347-5412	5170-7864	7576-11484	11254-15733	-1396 - 177

ELPLW05

①	②	③	④
Inches	Width × Height	ELPLW05	
60	122 × 91	116-166	-69 - -22
80	163 × 122	158-223	-92 - -29
100	203 × 152	199-280	-116 - -37
120	244 × 183	241-337	-139 - -44
150	305 × 229	303-423	-173 - -55
200	406 × 305	406-566	-231 - -74
300	610 × 457	614-825	-347 - -110
500	1016 × 762	1028-1423	-578 - -184
800	1626 × 1219	1650-2280	-925 - -294

ELPLX02S/ELPLX02WS

①	②	③	④
Inches	Width × Height	ELPLX02S/ELPLX02WS	
100	215 × 135	80	-7 - 34
110	237 × 148	88	-7 - 37
120	258 × 162	96	-8 - 41
150	323 × 202	121	-10 - 51
200	431 × 269	163	-14 - 68
300	646 × 404	246	-20 - 102
500	1077 × 673	412	-34 - 169
600	1292 × 808	495	-41 - 203
800	1723 × 1077	661	-54 - 271

ELPLU03/ELPLU03S/ELPLM08

①	②	③		④
Inches	Width × Height	ELPLU03 ELPLU03S	ELPLM08	
80	172 × 108	87-105	194-314	-82 - -26
100	215 × 135	109-132	243-393	-102 - -33
120	258 × 162	132-159	293-473	-123 - -39
150	323 × 202	165-200	368-592	-153 - -49
200	431 × 269	222-267	492-791	-204 - -65
250	538 × 337	278-335	616-990	-255 - -81
300	646 × 404	334-402	740-1189	-306 - -98
500	1077 × 673	559-673	1237-1984	-511 - -163
800	1723 × 1077	897-1079	1983-3177	-817 - -260

ELPLU04/ELPLW06/ELPLW08/ELPLM09/ELPLM15/ELPLM10/ELPLM11/ELPLL08

①	②	③							④
Inches	Width × Height	ELPLU04	ELPLW06	ELPLW08	ELPLM09 ELPLM15	ELPLM10	ELPLM11	ELPLL08	
60	129 × 81	86-105	161-222	117-165	214-351	330-509	480-739	716-1013	-92 - 12
80	172 × 108	116-141	217-298	158-222	288-471	445-683	647-993	965-1361	-123 - 16
100	215 × 135	147-178	273-374	198-279	362-590	559-857	815-1247	1214-1709	-154 - 20
120	258 × 162	177-214	329-451	238-336	436-710	674-1031	983-1501	1463-2057	-185 - 23
150	323 × 202	223-269	414-565	299-421	548-890	845-1292	1235-1882	1837-2579	-231 - 29
200	431 × 269	298-361	554-756	400-563	733-1189	1131-1726	1654-2518	2460-3450	-308 - 39
300	646 × 404	450-544	835-1137	602-847	1103-1787	1704-2596	2493-3788	3706-5190	-462 - 59
500	1077 × 673	754-910	1396-1900	1006-1415	1844-2984	2848-4336	4172-6330	6199-8672	-771 - 98
800	1723 × 1077	1210-1459	2238-3045	1612-2268	2956-4780	4565-6945	6689-10142	9938-13894	-1233 - 156

ELPLW05

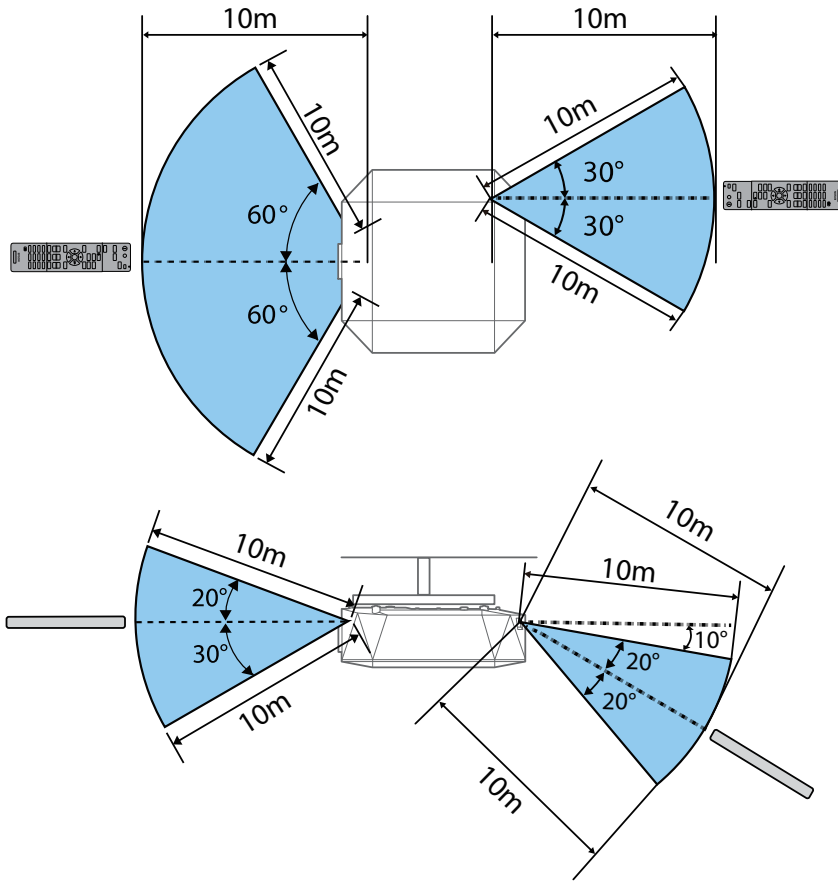
①	②	③	④
Inches	Width × Height	ELPLW05	
60	129 × 81	102-146	-61 - -20
80	172 × 108	139-196	-82 - -26
100	215 × 135	175-247	-102 - -33
120	258 × 162	212-297	-123 - -39
150	323 × 202	267-373	-153 - -49

①	②	③	④
Inches	Width × Height	ELPLW05	
200	431 × 269	358-499	-204 - -65
300	646 × 404	541-752	-306 - -98
500	1077 × 673	907-1256	-511 - -163
800	1723 × 1077	1456-2014	-817 - -260

■ Remote Control Operation

The remote control lets you control the projector from almost anywhere in the room.

Make sure that you aim the remote control at the projector's receivers within the distance and angles listed here.



- Depending on your installation environment, the available distance and angles may be shortened.
- Avoid using the remote control in conditions with bright fluorescent lights or in direct sunlight. The projector may not respond. If you are not going to use the remote control for a long time, remove the batteries.

■ Keystone Correction Range

The table here lists the adjustment range for each correction method.

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 Model Number	Vertical Direction	Horizontal Direction
ELPLX02S ELPLX02WS	-17° to +17°	-17° to +17°
ELPLU03	-30° to +30°	-30° to +30°
ELPLU03S	-30° to +30°	-30° to +30°
ELPLU04	-32° to +32°	-30° to +30°
ELPLW05	-40° to +40°	-30° to +30°
ELPLW08	-36° to +36°	-30° to +30°
ELPLW06	-40° to +40°	-30° to +30°
ELPLM08	-45° to +45°	-30° to +30°
ELPLM09	-45° to +45°	-30° to +30°
ELPLM15	-45° to +45°	-30° to +30°
ELPLM10	-45° to +45°	-30° to +30°
ELPLM11	-45° to +45°	-30° to +30°
ELPLL08	-45° to +45°	-30° to +30°

Curved Surface

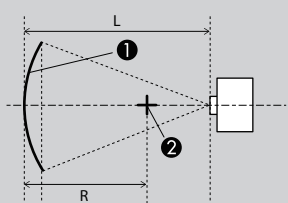
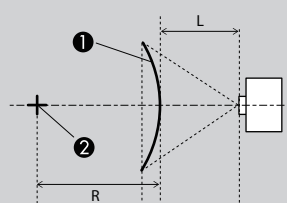
You can correct the image shape if the curved surface is a part of an exact circle.

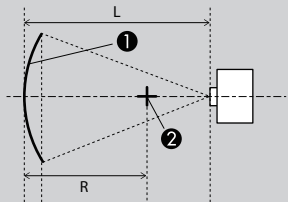
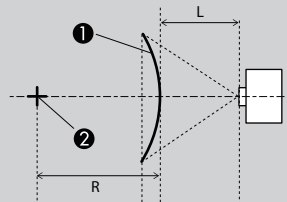
The values in the table are the minimum values for R/L in the illustration (Approximate value when projecting at maximum zoom.) If the R/L value is lower than the value in the table, you cannot correct the image shape.

You can confirm the maximum projection distance (L) using the following formula.

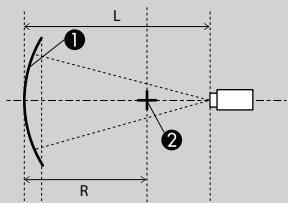
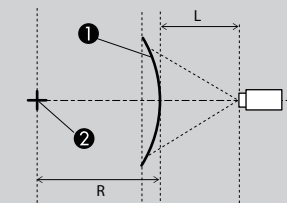
$L = R/\text{value in the table}$

Horizontally curved surface

Lens Model Number	Concave		Convex	
				
	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		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	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02S ELPLX02WS	-	3.01	-	8.84
ELPLU03	1	1.03	4.03	4.05
ELPLU03S	1	1.03	4.03	4.05
ELPLU04	0.46	0.52	2.33	2.51
ELPLW05	0.41	0.41	1.69	1.69
ELPLW08	0.39	0.41	1.37	1.46
ELPLW06	0.33	0.34	0.81	0.86
ELPLM08	0.36	0.36	0.98	0.98
ELPLM09	0.27	0.28	0.54	0.56

Lens Model Number	Concave		Convex	
	 <p>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</p>		 <p>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</p>	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLM15	0.27	0.28	0.54	0.56
ELPLM10	0.2	0.2	0.3	0.31
ELPLM11	0.14	0.15	0.19	0.19
ELPLL08	0.1	0.1	0.13	0.13

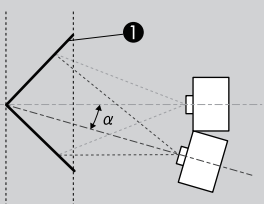
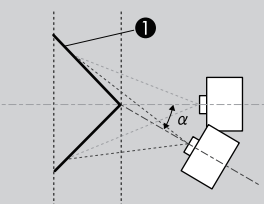
Vertically curved surface

Lens Model Number	Concave		Convex	
	 <p>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</p>		 <p>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</p>	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02S ELPLX02WS	-	4.57	-	3.79
ELPLU03	0.48	0.58	1.62	1.68
ELPLU03S	0.48	0.58	1.62	1.68
ELPLU04	0.36	0.73	0.97	1.15
ELPLW05	0.32	0.33	0.72	0.74
ELPLW08	0.3	0.44	0.6	0.71
ELPLW06	0.23	0.29	0.37	0.43
ELPLM08	0.25	0.26	0.44	0.46
ELPLM09	0.18	0.22	0.25	0.29
ELPLM15	0.18	0.22	0.25	0.29
ELPLM10	0.13	0.15	0.15	0.17
ELPLM11	0.11	0.11	0.1	0.11
ELPLL08	0.08	0.08	0.07	0.08

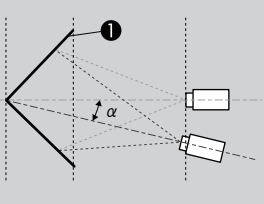
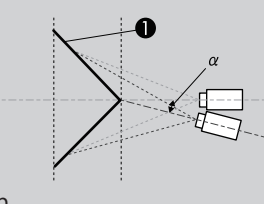
Corner Wall

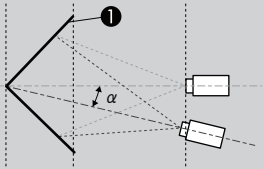
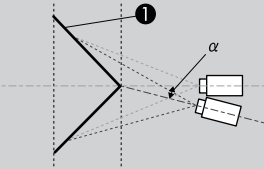
The α in the illustration is the maximum angle in which the projector can move. See the table below for detailed values. (Approximate value when projecting at maximum zoom.)

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

Lens Model Number	Concave		Convex	
	 <p>①: Screen α: Movable angle of the projector</p>		 <p>①: Screen α: Movable angle of the projector</p>	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02S ELPLX02WS	-	-	-	-
ELPLU03	23.5	19.8	-	-
ELPLU03S	23.5	19.8	-	-
ELPLU04	28.5	12.1	-	-
ELPLW05	31.5	25.4	2.7	2.7
ELPLW08	32.5	17.4	5.1	4.3
ELPLW06	32.7	22.6	11.1	10.3
ELPLM08	33.1	28.9	9.2	9.2
ELPLM09	31.8	26.6	15.1	14.5
ELPLM15	31.8	26.6	15.1	14.5
ELPLM10	30.6	30.1	19.5	19
ELPLM11	29.8	29.4	21.9	21.6
ELPLL08	29.2	28.9	23.7	23.5

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

Lens Model Number	Concave		Convex	
	 <p>①: Screen α: Movable angle of the projector</p>		 <p>①: Screen α: Movable angle of the projector</p>	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLX02S ELPLX02WS	-	-	-	-
ELPLU03	33.2	16.8	5	-
ELPLU03S	33.2	16.8	5	-
ELPLU04	32.8	1.9	10.6	-
ELPLW05	32.1	21.2	13.4	4.6
ELPLW08	31.9	8.9	15	-
ELPLW06	30.9	12.4	18.5	3.6

Lens Model Number	Concave		Convex	
	 <p>①: Screen α: Movable angle of the projector</p>		 <p>①: Screen α: Movable angle of the projector</p>	
	Vertical Lens Shift: Home Position	Vertical lens shift: Top	Vertical Lens Shift: Home Position	Vertical lens shift: Top
ELPLM08	31.2	23.1	17.3	10.3
ELPLM09	27	12.8	20.7	8.7
ELPLM15	27	12.8	20.7	8.7
ELPLM10	23.6	14.5	20.9	12
ELPLM11	22.2	15.9	20.3	14
ELPLL08	21.5	17.2	20.2	15.8

■ Monitoring and Controlling the Projector

Check these sections to monitor and control the projector over a network.

Method	Details
ESC/VP21 Command	When the projector is connected to a computer with an RS-232C cable, you can control the projector with communication commands.
ESC/VP.net Command	You can monitor the projector using ESC/VP.net commands.
Epson Web Control	By using the Web browser of a computer connected to the projector on a network, you can set the projector's functions and control the projector.
Web API	You can control the projector using Web API communication using API authentication (Digest authentication). For details, see "Web API Specifications for Projectors" on the following Web site. epson.sn
PJLink command	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. For more details on PJLink, see the following Web site. http://pjlink.jbmia.or.jp/english/
AMX Device Discovery	You can use AMX Device Discovery to search for projectors on the network.
Crestron Connected	If you are using a Crestron Connected network monitoring and control system, you can set up your projector for use on the system. For additional information on Crestron Connected, visit the Crestron Web site. https://www.crestron.com/
Crestron Xio Cloud	You can monitor and control your projector and other devices over the network using the Crestron Xio Cloud service.
Control4 SDDP	You can acquire projector information using Control4 SDDP (Simple Device Discovery Protocol).

■ ESC/VP21 Command List

When a command is input, the projector executes the command and returns a ":" (3Ah), and then accepts the next command.

If the command being processed terminates abnormally, an error message is output and a ":" is returned.

The following list shows the frequently used commands.

You can check all available commands in the ESC/VP21 Command List.

Function		Command	Setting Value/Response Value
Power	On	PWR ON	-
	Off	PWR OFF	-
Acquire power status		PWR?	00: Standby condition 01: Projecting 02: Warm-up status 03: Cooling status 04: Network monitoring status/ Communication standby status 05: Error standby status 09: A/V standby
Source selection		SOURCE xx	30: HDMI1 52: USB 53: LAN A0: HDMI2 F0: Cycle through all sources F1: Cycle through USB and LAN F2: Cycle through HDMI1 and HDMI2
Acquire Source		SOURCE?	30: HDMI1 52: USB 53: LAN A0: HDMI2
A/V Mute	On	MUTE ON	-
	Off	MUTE OFF	-
Acquire A/V Mute or Shutter status		MUTE?	ON: Execute A/V Mute OFF: Release A/V Mute
Freeze	On	FREEZE ON	-
	Off	FREEZE OFF	-
Acquire freeze status		FREEZE?	ON: Execute Freeze OFF: Release Freeze
Volume	Up	VOL INC	-
	Down	VOL DEC	-
	Specify	VOL xxx	0-255
Acquire volume settings		VOL?	0-255
Acquire Laser Hours		LAMP?	Laser On Hours
Acquire Operation Hours		ONTIME?	Operation Hours

Add a Carriage Return (CR) code (0Dh) to the end of each command and transmit.

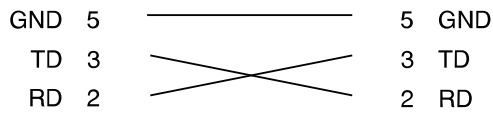
Contact Epson for help.

■ Cable Layouts

Serial connection

- Connector shape: D-Sub 9-pin (male)
- Projector input port name: RS-232C
- Cable type: Crossover (null modem) cable

In the following illustration, the projector side is shown on the left, and the computer side on the right:



Signal name	Function
GND	Signal wire ground
TD	Transmit data
RD	Receive data

Communications protocol

- Default baud rate setting: 9,600 bps
- Data length: 8 bit
- Parity: None
- Stop-bit: 1 bit
- Flow control: None

■ PJLink Command List

The port number used for the PJLink search function is 4352 (UDP).

Function	Command	Setting Value/Response Value	Content	Notes	
Power control instruction	POWR ?	0	Power-off (Standby/Error standby)	-	
		1	Power-on (Light source on)	-	
		2	Cooling status	-	
		3	Warm-up status	-	
Input switch instruction Input switch query	INPT INPT ?	32	HDMI1	-	
		33	HDMI2	-	
		41	USB	-	
		52	LAN	-	
Input toggling list query	INST ?	32	HDMI1	Displays a list of the available input sources of the projector.	
		33	HDMI2		
		41	USB		
		52	LAN		
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	
			2	Filter warning	
Sixth character	1	Other warnings			
	2	Other errors			
A/V Mute status query	AVMT ?	30	A/V mute off	Does not support video mute off/on (11) or audio mute off/on (21).	
		31	A/V mute on		
Projector name query	NAME ?	-	Projector Name	Displays the name set in [Network] - [Network Configuration] - [Basic] - [Projector Name] in the projector's menu.	
Manufacture name information query	INF1 ?	EPSON	Manufacture name	-	
Model name information query	INF2 ?	EPSON QL7000B/ QL7000W	EH-QL7000B/QL7000W	-	
		EPSON QL3000B/ QL3000W	EH-QL3000B/QL3000W		
Class information query	CLSS ?	2	-	-	
Light source number, lighting hour query	LAMP ?	[L1 light source usage time] [L1 light source query] (ESC/VP21 command: LAMP?, PWSTATUS?)	-	-	

Class2 Command List

Function	Command	Setting Value/Response Value	Content	Notes
Request to search projector	SRCH ?	-	-	-
Response to projector search	ACKN	-	-	-
Status notification (link up)	LKUP =	-	-	When address is confirmed.

Function	Command	Setting Value/Response Value	Content	Notes
Status notification (error occurred)	ERST =	-	-	-
Status notification (changing power status)	POWR =	-	-	-
Status notification (changing input source)	INPT =	-	-	-
Serial number query	SNUM ?	11 digit numbers	Serial number of projector being used	-
Software version query	SVER ?	-	Firmware version of projector being used	-
Input port name query	INNM ?xx	(Source name)	-	xx is a 2 digit number used in the input toggling list query.
Input signal resolution query	IRES ?	(Horizontal resolution) × (Vertical resolution)	-	-
Panel resolution query	RRES ?	(Horizontal resolution) × (Vertical resolution)	Panel resolution of your projector	The value may vary depending on the [Screen Type] setting in the projector's menu.
Filter usage hour query	FILT ?	0	-	-
Filter replacement model number query	RFIL ?	ELPAF46	Air filter model number of your projector	-
Static function setting	FREZ	0	Freeze off	-
Static status query	FREZ ?	1	Freeze on	-

■ Getting the Latest Version of the Documents

You can get the latest version of the manuals and specifications on the Epson Web site. Visit [epson.sn](https://www.epson.sn), and enter your model name.

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