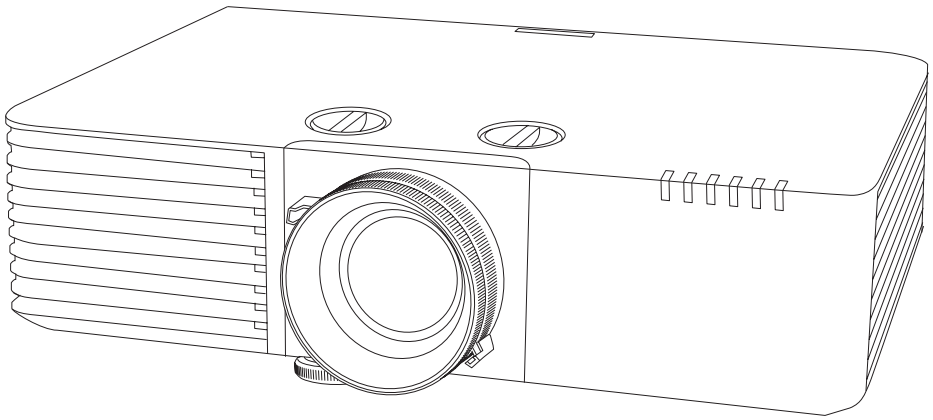
EPSON

EB-L890E
EB-L895E
EB-L790SE
EB-L795SE
EB-L690SE
EB-L695SE
EB-L690E
EB-L890U
EB-L895U
EB-L790U
EB-L790SU
EB-L690U
EB-L690SU
EB-L695SU

CB-L890E
CB-L895E
CB-L790SE
CB-L795SE
CB-L690SE
CB-L695SE
CB-L690E
CB-L890U
CB-L895U
CB-L790U
CB-L790SU
CB-L690U
CB-L690SU
CB-L695SU
CB-L590SE

Specifications



Contents

■ Product Overview

This projector comes with a variety of special features.
This manual explains the projector's technical specifications.
For details on how to use each feature, see the "User's Guide".

Product Specifications

<table>
<tr><th colspan="2">Product name</th><th>EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U
CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U</th><th>EB-L790SE/EB-L795SE/EB-L790SU/EB-L690SU/EB-L695SU
CB-L790SE/CB-L795SE/CB-L790SU/CB-L690SU/CB-L695SU/CB-L590SE</th><th>EB-L690SE/EB-L695SE
CB-L690SE/CB-L695SE</th></tr>
<tr><td colspan="2">Projection system</td><td colspan="3">3LCD</td></tr>
<tr><td rowspan="3">LCD panel</td><td>Size (diagonal)</td><td colspan="3">0.67"</td></tr>
<tr><td>Resolution</td><td colspan="3">2,304,000 pixels</td></tr>
<tr><td>Pixel number</td><td colspan="3">WUXGA (1,920 (W) × 1,200 (H) dots) × 3</td></tr>
<tr><td rowspan="3">Projection lens</td><td>F value</td><td>1.5 - 1.7</td><td>1.7 - 2.1</td><td>1.8 - 2.0</td></tr>
<tr><td>Zoom</td><td>Optical Zoom (1.0 - 1.6)</td><td>Optical Zoom (1.0 - 1.7)</td><td>Optical Zoom (1.0 - 1.4)</td></tr>
<tr><td>Focus</td><td colspan="3">Manual</td></tr>
<tr><td rowspan="2">Lens shift</td><td>Type</td><td colspan="3">Manual</td></tr>
<tr><td>Range</td><td colspan="3">Maximum vertical direction: Approx. ± 50%
Maximum horizontal direction: Approx. ± 20%</td></tr>
<tr><td rowspan="4">Light source</td><td>Type</td><td colspan="3">Laser diode</td></tr>
<tr><td>Output power (maximum)</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/EB-L895U: 177 W
EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U: 153 W</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU: 177 W
EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU/CB-L590SE: 153 W</td><td>165 W</td></tr>
<tr><td>Wavelength</td><td colspan="3">449 - 461 nm</td></tr>
<tr><td>Life expectancy*1</td><td colspan="3">Approx. 20,000 hours (Light Source Mode: Normal, Quiet)
Approx. 30,000 hours (Light Source Mode: Extended)</td></tr>
<tr><td colspan="2" rowspan="3">Brightness*2</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:
Light Source Mode: Normal: 8,000 lm
Light Source Mode: Quiet, Extended: 5,600 lm</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:
Light Source Mode: Normal: 7,000 lm
Light Source Mode: Quiet, Extended: 4,900 lm</td><td rowspan="3">Light Source Mode: Normal: 6,000 lm
Light Source Mode: Quiet, Extended: 4,200 lm</td></tr>
<tr><td>EB-L690E/EB-L690U/CB-L690E/CB-L690U:
Light Source Mode: Normal: 6,500 lm
Light Source Mode: Quiet, Extended: 4,550 lm</td><td>EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU:
Light Source Mode: Normal: 6,200 lm
Light Source Mode: Quiet, Extended: 4,340 lm</td></tr>
<tr><td>EB-L790U/CB-L790U:
Light Source Mode: Normal: 7,300 lm
Light Source Mode: Quiet, Extended: 5,100 lm</td><td>CB-L590SE:
Light Source Mode: Normal: 5,500 lm
Light Source Mode: Quiet, Extended: 3,850 lm</td></tr>
<tr><td colspan="2">Contrast ratio*2</td><td colspan="3">Over 5,000,000:1
(Dynamic Contrast: Normal, High Speed)</td></tr>
<tr><td colspan="2">Color reproducibility</td><td colspan="3">Maximum of 1,070 million colors</td></tr>
<tr><td colspan="2">Speaker</td><td colspan="2">10 W (monaural)</td><td>-</td></tr>
<tr><td rowspan="2">Scanning frequency</td><td>Horizontal:</td><td colspan="3">26 kHz to 135 kHz</td></tr>
<tr><td>Vertical:</td><td colspan="3">23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60 Hz</td></tr>
<tr><td rowspan="3">Operating environment</td><td>Operating temperature (when using a single projector installation)*3</td><td colspan="3">Altitude of 0 to 2,286 m: 0 to +50° C (Humidity of 20 to 80%, No condensation)
Altitude of 2,287 to 3,048 m: 0 to +45° C (Humidity of 20 to 80%, No condensation)</td></tr>
<tr><td>Storage temperature</td><td colspan="3">-10 to +60℃ (Humidity 10 to 90%, no condensation)</td></tr>
<tr><td>Operating altitude</td><td colspan="3">Altitude 0 to 3,048 m*4</td></tr>
</table>

<table>
<tr><th colspan="3">Product name</th><th>EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U
CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U</th><th>EB-L790SE/EB-L795SE/EB-L790SU/EB-L690SU/EB-L695SU
CB-L790SE/CB-L795SE/CB-L790SU/CB-L690SU/CB-L695SU/CB-L590SE</th><th>EB-L690SE/EB-L695SE
CB-L690SE/CB-L695SE</th></tr>
<tr><td colspan="3" rowspan="2">Power supply</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:
100 - 240 V AC ± 10% 50/60 Hz 4.8 - 2.1 A</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:
100 - 240 V AC ± 10% 50/60 Hz 4.8 - 2.1 A</td><td rowspan="2">100 - 240 V AC ± 10% 50/60 Hz 4.4 - 2.0 A</td></tr>
<tr><td>EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U:
100 - 240 V AC ± 10% 50/60 Hz 4.4 - 2.0 A</td><td>EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU/CB-L590SE:
100 - 240 V AC ± 10% 50/60 Hz 4.4 - 2.0 A</td></tr>
<tr><td rowspan="4">Power consumption</td><td rowspan="2">Operating</td><td>100 to 120 V area</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:
Light Source Mode: Normal, Custom: 470 W
Light Source Mode: Quiet: 341 W
Light Source Mode: Extended: 321 W
EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U:
Light Source Mode: Normal, Custom: 415 W
Light Source Mode: Quiet: 305 W
Light Source Mode: Extended: 287 W</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:
Light Source Mode: Normal, Custom: 470 W
Light Source Mode: Quiet: 341 W
Light Source Mode: Extended: 321 W
EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU:
Light Source Mode: Normal, Custom: 415 W
Light Source Mode: Quiet: 305 W
Light Source Mode: Extended: 287 W</td><td>Light Source Mode: Normal, Custom: 432 W
Light Source Mode: Quiet: 313 W
Light Source Mode: Extended: 295 W</td></tr>
<tr><td>220 to 240 V area</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:
Light Source Mode: Normal, Custom: 450 W
Light Source Mode: Quiet: 330 W
Light Source Mode: Extended: 310 W
EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U:
Light Source Mode: Normal, Custom: 399 W
Light Source Mode: Quiet: 295 W
Light Source Mode: Extended: 278 W</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:
Light Source Mode: Normal, Custom: 450 W
Light Source Mode: Quiet: 330 W
Light Source Mode: Extended: 310 W
EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU:
Light Source Mode: Normal, Custom: 399 W
Light Source Mode: Quiet: 295 W
Light Source Mode: Extended: 278 W</td><td>Light Source Mode: Normal, Custom: 415 W
Light Source Mode: Quiet: 303 W
Light Source Mode: Extended: 286 W</td></tr>
<tr><td rowspan="2">Standing by</td><td>When Standby Mode is set to Wired LAN</td><td colspan="3">2.4 W</td></tr>
<tr><td>When Standby Mode is set to ECO</td><td colspan="3">0.3 W (100 to 120 V area), 0.4 W (220 to 240 V area)</td></tr>
<tr><td rowspan="2">Dissipation BTU (maximum)</td><td colspan="2">100 to 120 V area</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:
1598.0 BTU/h
EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U:
1411.0 BTU/h</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:
1598.0 BTU/h
EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU/CB-L590SE:
1411.0 BTU/h</td><td>1468.8 BTU/h</td></tr>
<tr><td colspan="2">220 to 240 V area</td><td>EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:
1530.0 BTU/h
EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U:
1356.6 BTU/h</td><td>EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:
1530.0 BTU/h
EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU/CB-L590SE:
1356.6 BTU/h</td><td>1411.0 BTU/h</td></tr>
</table>

Product name		EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U	EB-L790SE/EB-L795SE/EB-L790SU/EB-L690SU/EB-L695SU CB-L790SE/CB-L795SE/CB-L790SU/CB-L690SU/CB-L695SU/CB-L590SE	EB-L690SE/EB-L695SE CB-L690SE/CB-L695SE
Air flow (maximum)		95.0 CFM		
Dimensions (W × H × D)		440 × 122 × 304 mm (not including raised section)		
Mass	Projector	**EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:** 8.5 kg **EB-L690E/EB-L790U/EB-L690U/CB-L690E/CB-L790U/CB-L690U:** 8.2 kg	**EB-L790SE/EB-L795SE/CB-L790SE/CB-L795SE:** 9.3 kg **EB-L790SU/CB-L790SU:** 9.2 kg **EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU/CB-L590SE:** 8.9 kg	9.3 kg
	Ceiling mount (ELPMB22)	Approx. 3.5 kg		
	Ceiling mount (Low profile) (ELPMB30)	Approx. 3.5 kg		
	Ceiling pipe 450 (450 mm) (ELPFP13)	2.1 kg		
	Ceiling pipe 700 (700 mm) (ELPFP14)	2.6 kg		
Noise level*2	Light Source Mode: Normal	**EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:** 36 dB **EB-L690E/EB-L690U/CB-L690E/CB-L690U:** 32 dB **EB-L790U/CB-L790U:** 34 dB	**EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:** 36 dB **EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU:** 34 dB **CB-L590SE:** 32 dB	36 dB
	Light Source Mode: Quiet	**EB-L890E/EB-L895E/EB-L890U/EB-L895U/CB-L890E/CB-L895E/CB-L890U/CB-L895U:** 26 dB **EB-L690E/EB-L690U/CB-L690E/CB-L690U:** 25 dB **EB-L790U/CB-L790U:** 25 dB	**EB-L790SE/EB-L795SE/EB-L790SU/CB-L790SE/CB-L795SE/CB-L790SU:** 26 dB **EB-L690SU/EB-L695SU/CB-L690SU/CB-L695SU:** 25 dB **CB-L590SE:** 25 dB	26 dB

*1 Approximate time before the brightness of the light source is reduced by half.
(Assuming the projector is being used in an environment containing airborne particles of 0.04 to 0.2 mg/m3. This is an approximate guide only and may change depending on the projector's usage and surroundings.)

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

*3 When the surrounding temperature rises, the brightness of the light source is automatically reduced.
(Approx. 40℃ at an altitude of 0 to 2,286m and approx. 35℃ at an altitude of 2,287 to 3,048 m although these will vary depending on the usage environment.) The projector may turn off automatically if the operating temperature range is exceeded.

*4 For CB-models, the areas where these products can be used safely: Areas with an altitude of 2000m or less.

Wireless Channels Supported Frequency

EB-L890E/EB-L895E/EB-L790SE/EB-L795SE/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L790SU/EB-L690U/EB-L690SU/EB-L695SU/CB-L890E/CB-L895E/CB-L790SE/CB-L795SE/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L790SU/CB-L690U/CB-L690SU/CB-L695SU

Check the Region Code displayed under Wireless LAN in Network information, and see the table below to check the supported frequencies for the corresponding region code.

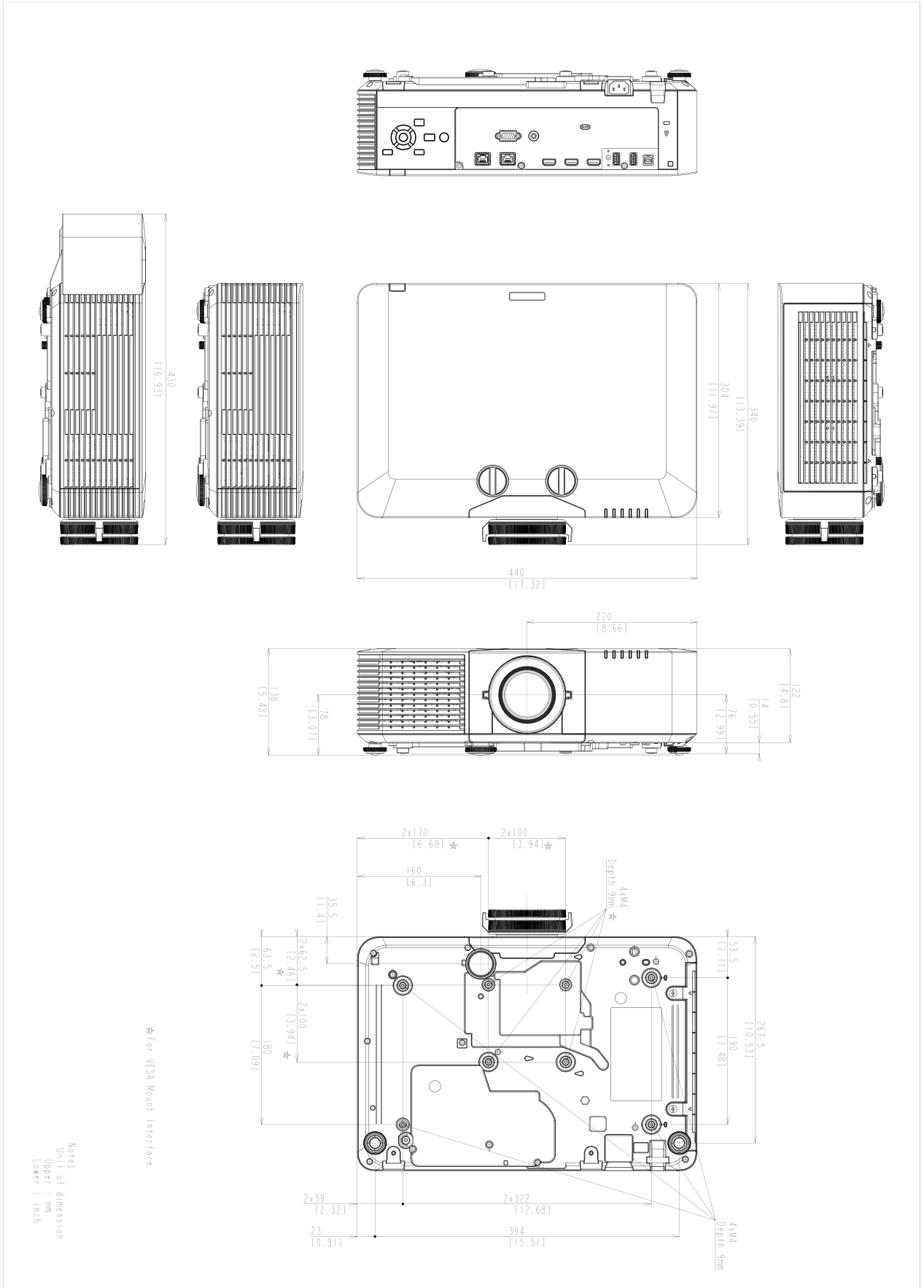
Region Code	EU	TW	ME	KR
2.4GHz Ch1 - Ch11 (2.400 - 2.473GHz)	Yes	Yes	Yes	Yes
2.4GHz Ch12, 13 (2.473 - 2.4835GHz)	Yes	No	Yes	Yes
5GHz Ch36, 40, 44, 48 (5.15 – 5.25GHz)	Yes	Yes	Yes	Yes
5GHz Ch52, 56, 60, 64 (5.25 – 5.35GHz)	Yes*	Yes*	Yes*	Yes*
5GHz Ch100 – Ch144 (5.47 – 5.725GHz)	Yes* (Ch100-140)	Yes* (Ch100-140)	No	Yes* (Ch100-140)
5GHz Ch149 – Ch165 (5.725 – 5.85GHz)	No	Yes	No	Yes
6GHz Ch1 – Ch93 (5.945 – 6.425GHz)	Yes*	Yes*	No	Yes*
6GHz Ch97 – Ch113 (6.425 – 6.525GHz)	No	No	No	Yes*
6GHz Ch117 – Ch185 (6.525 – 6.875GHz)	No	No	No	Yes*
6GHz Ch189 – Ch233 (6.875 – 7.125GHz)	No	No	No	Yes* (Ch189-229)

* When connecting to an access point

■ External Dimensions

EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U/
CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U

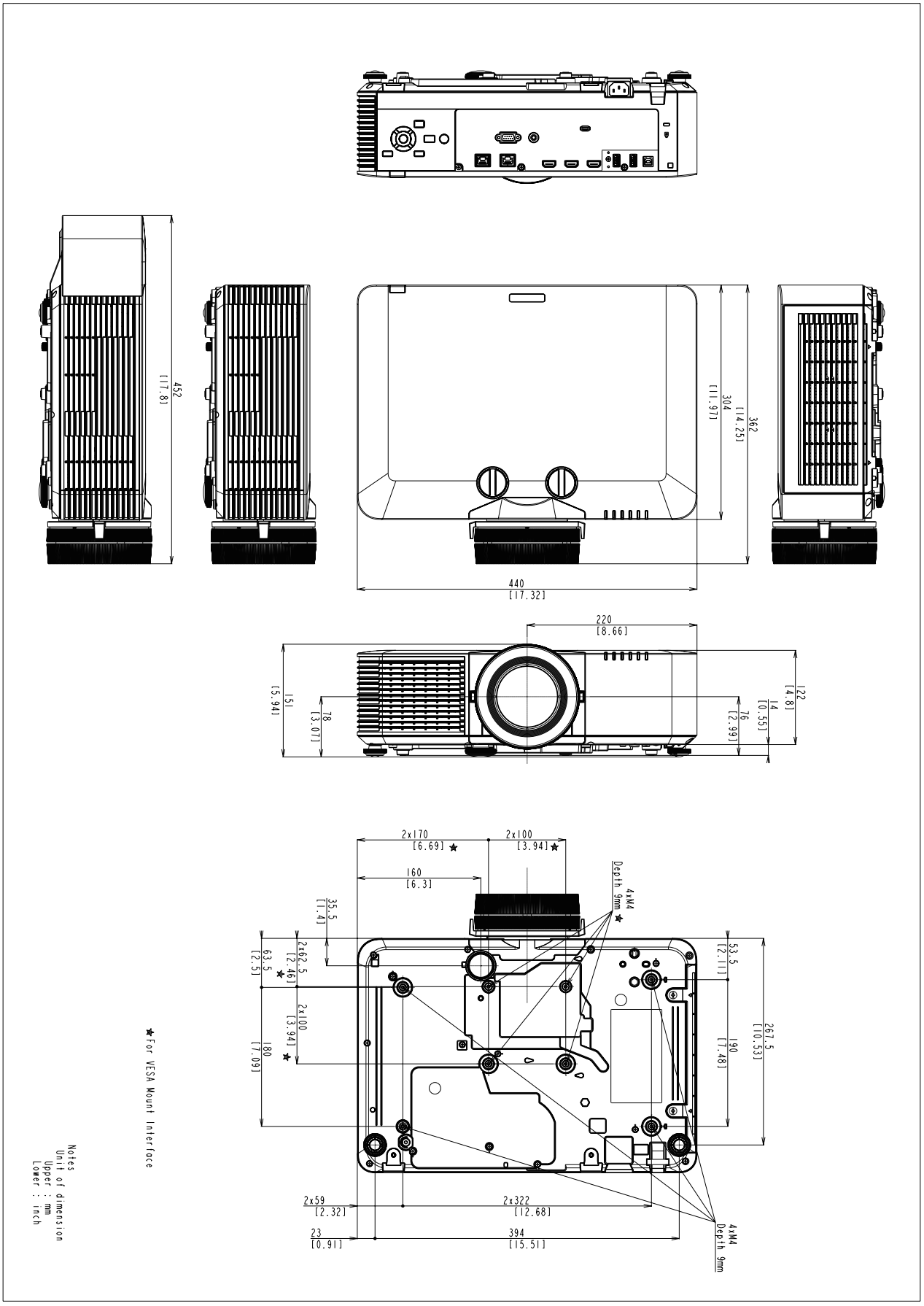
[Units: mm]



For VESA Mount Interface.

EB-L790SE/EB-L795SE/EB-L790U/EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790U/CB-L690SU/CB-L695SU/CB-L590SE

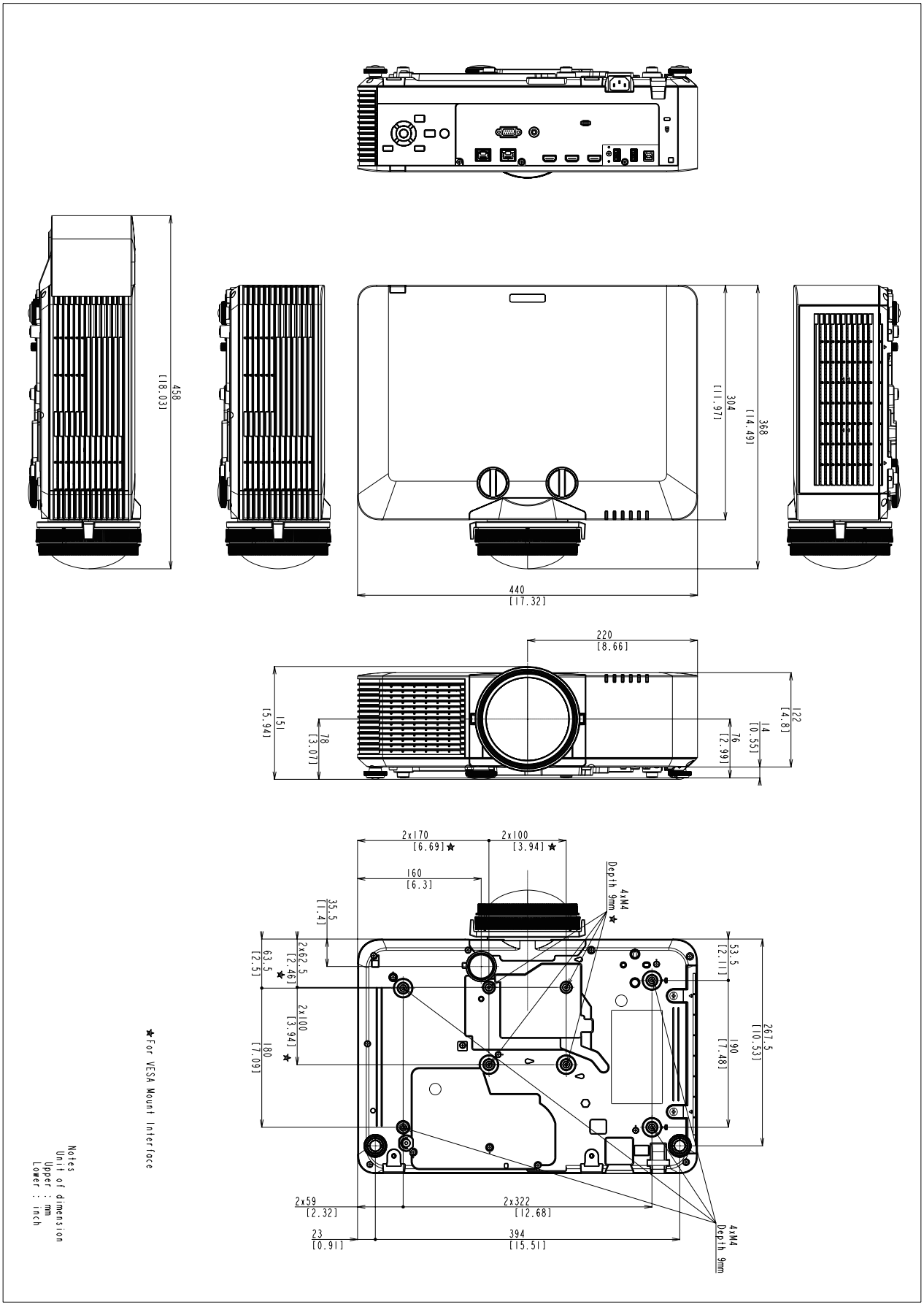
[Units: mm]



For VESA Mount Interface.

EB-L690SE/EB-L695SE/
CB-L690SE/CB-L695SE

[Units: mm]

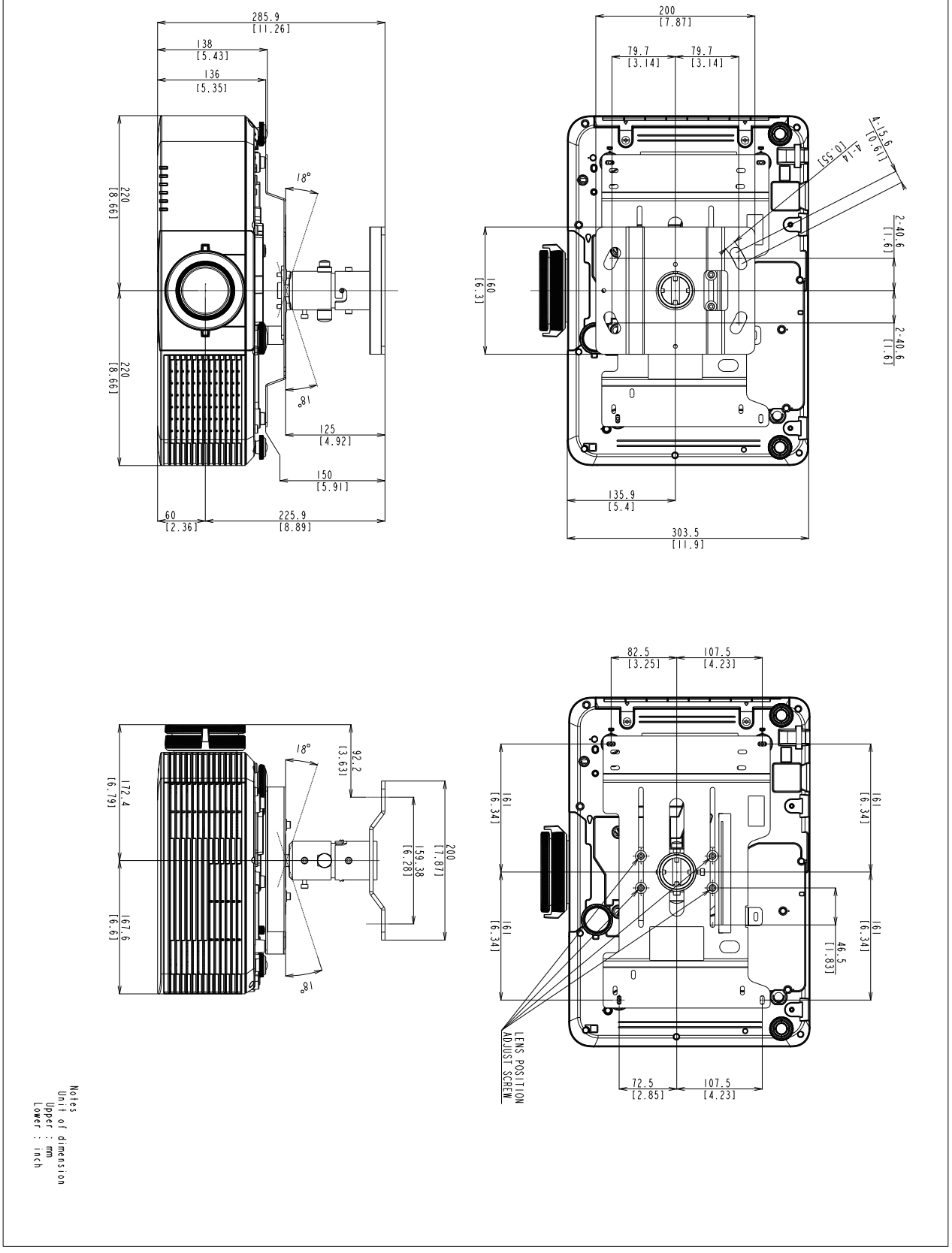


For VESA Mount Interface.

■ Dimensions with Ceiling Mount (ELPMB22)

EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U/
CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U

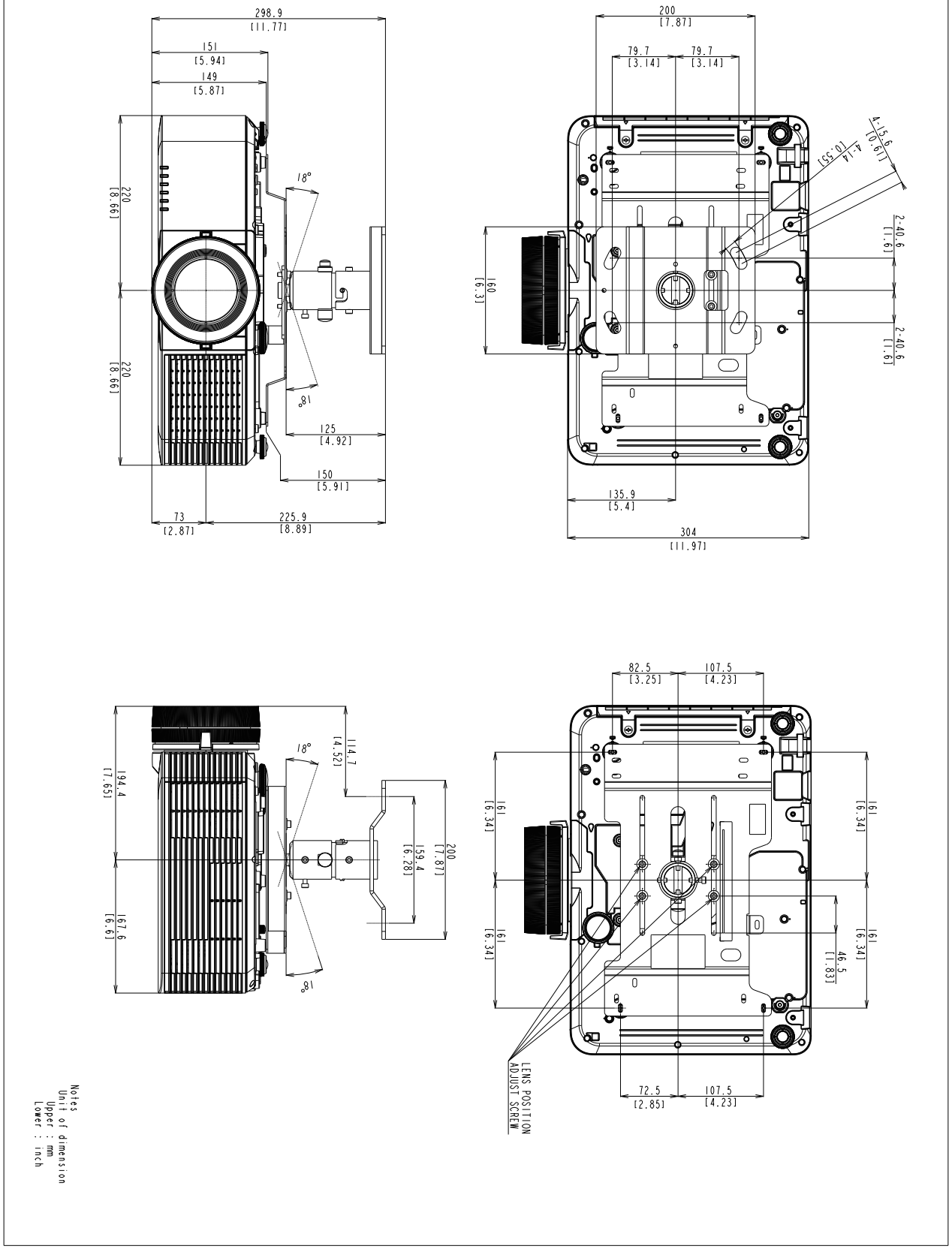
[Units: mm]



Notes
Unit of dimension
Upper : mm
Lower : inch

EB-L790SE/EB-L795SE/EB-L790U/EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790U/CB-L690SU/CB-L695SU/CB-L590SE

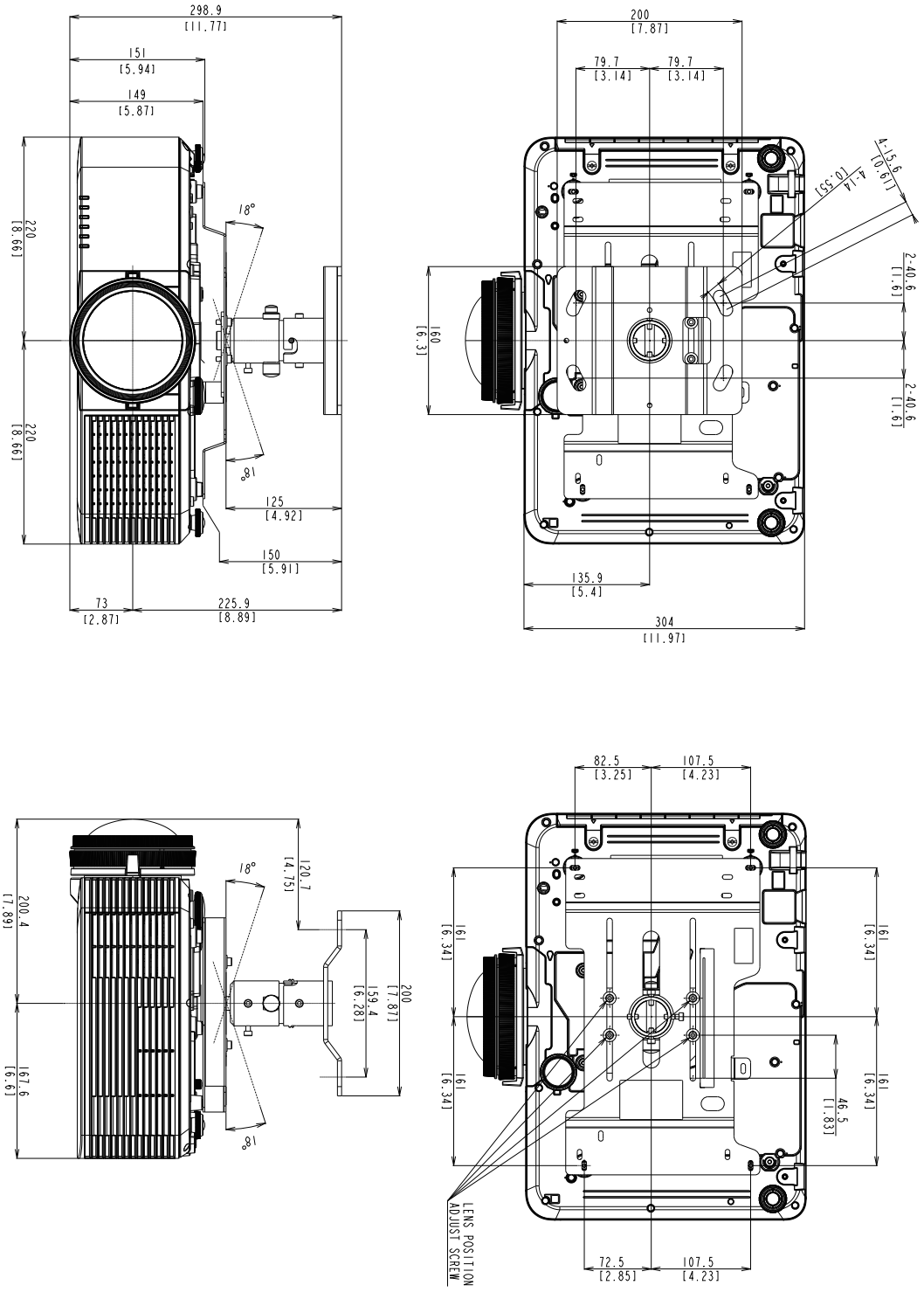
[Units: mm]



Notes
Unit of dimension
Upper : mm
Lower : inch

EB-L690SE/EB-L695SE/
CB-L690SE/CB-L695SE

[Units: mm]

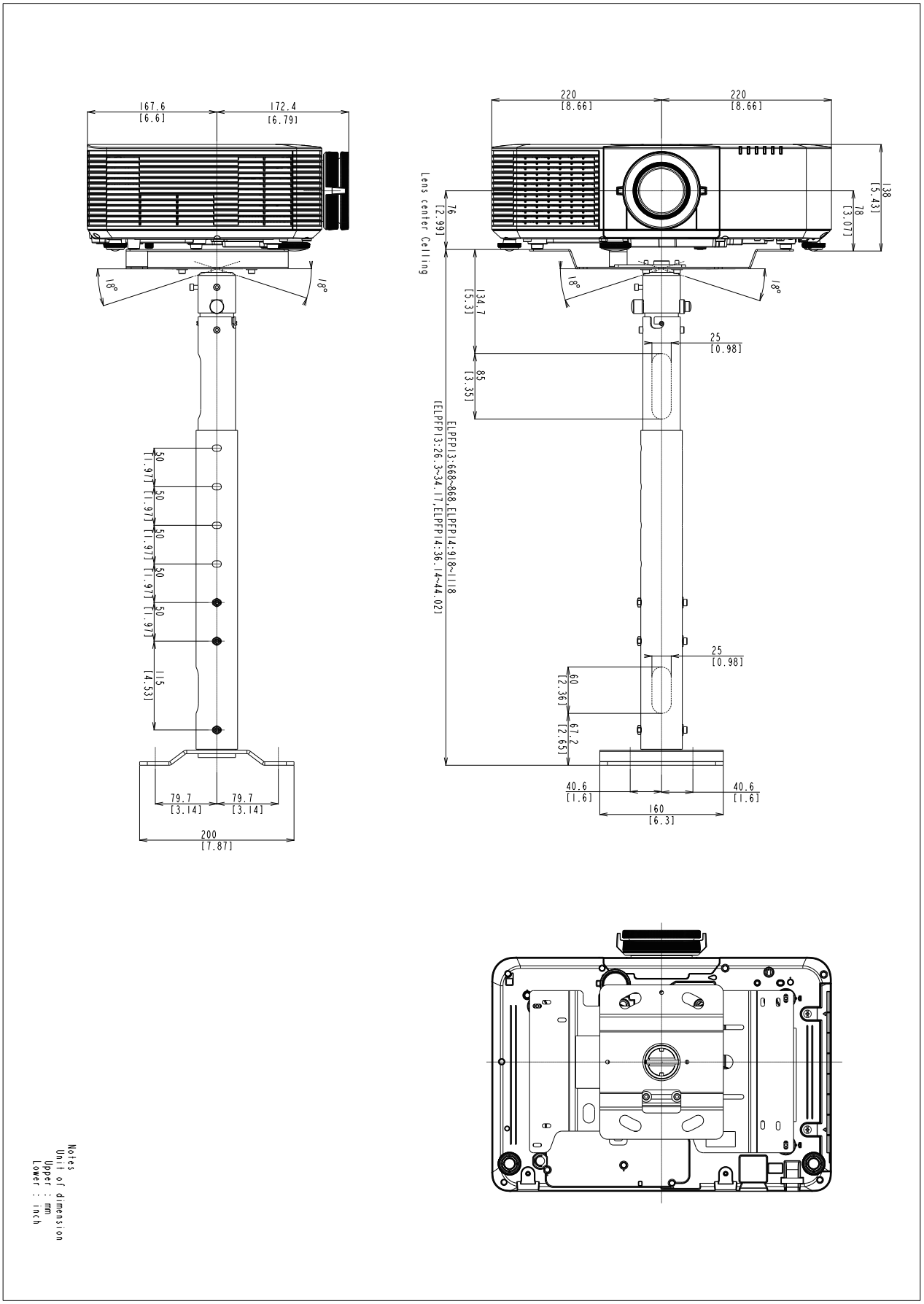


Notes
Unit of dimension
Upper : mm
Lower : inch

■ Dimensions with Ceiling Mount (ELPMB22) and Ceiling Pipe 450 mm (ELPFP13)

EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U/
CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U

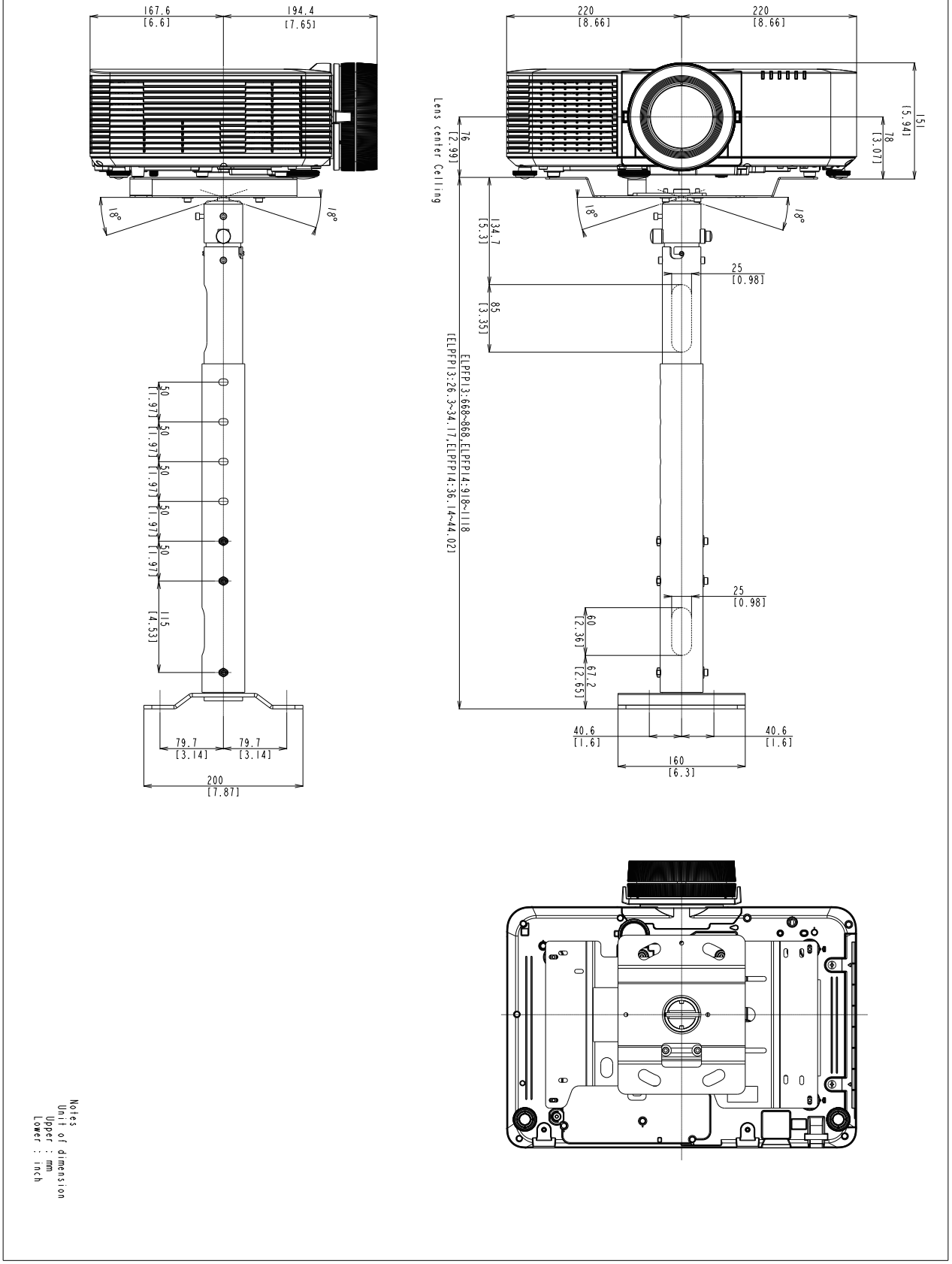
[Units: mm]



Notes
Unit of dimension
Upper : mm
Lower : inch

EB-L790SE/EB-L795SE/EB-L790U/EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790U/CB-L690SU/CB-L695SU/CB-L590SE

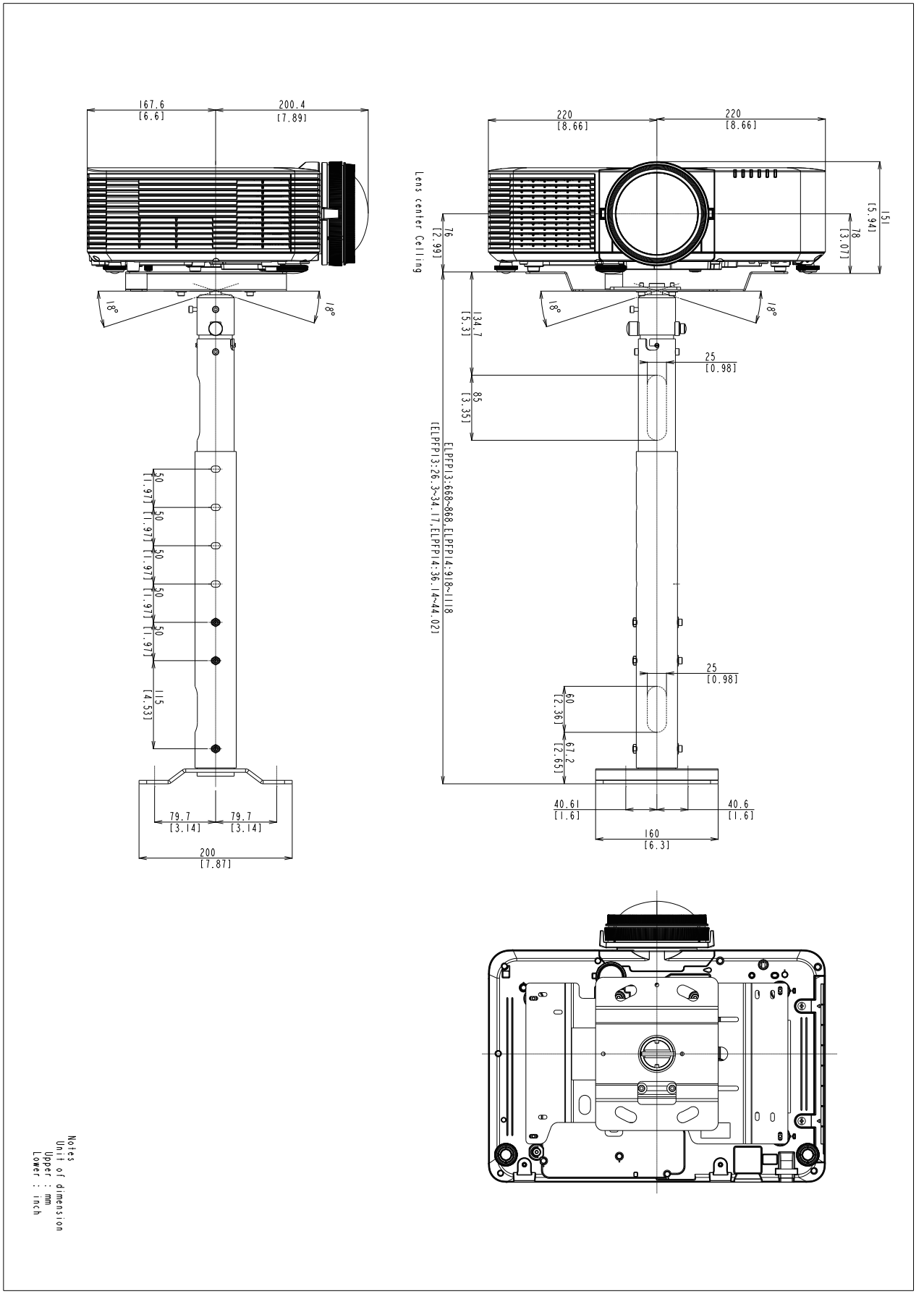
[Units: mm]



Notes
Unit of dimension
Upper : mm
Lower : inch

EB-L690SE/EB-L695SE/
CB-L690SE/CB-L695SE

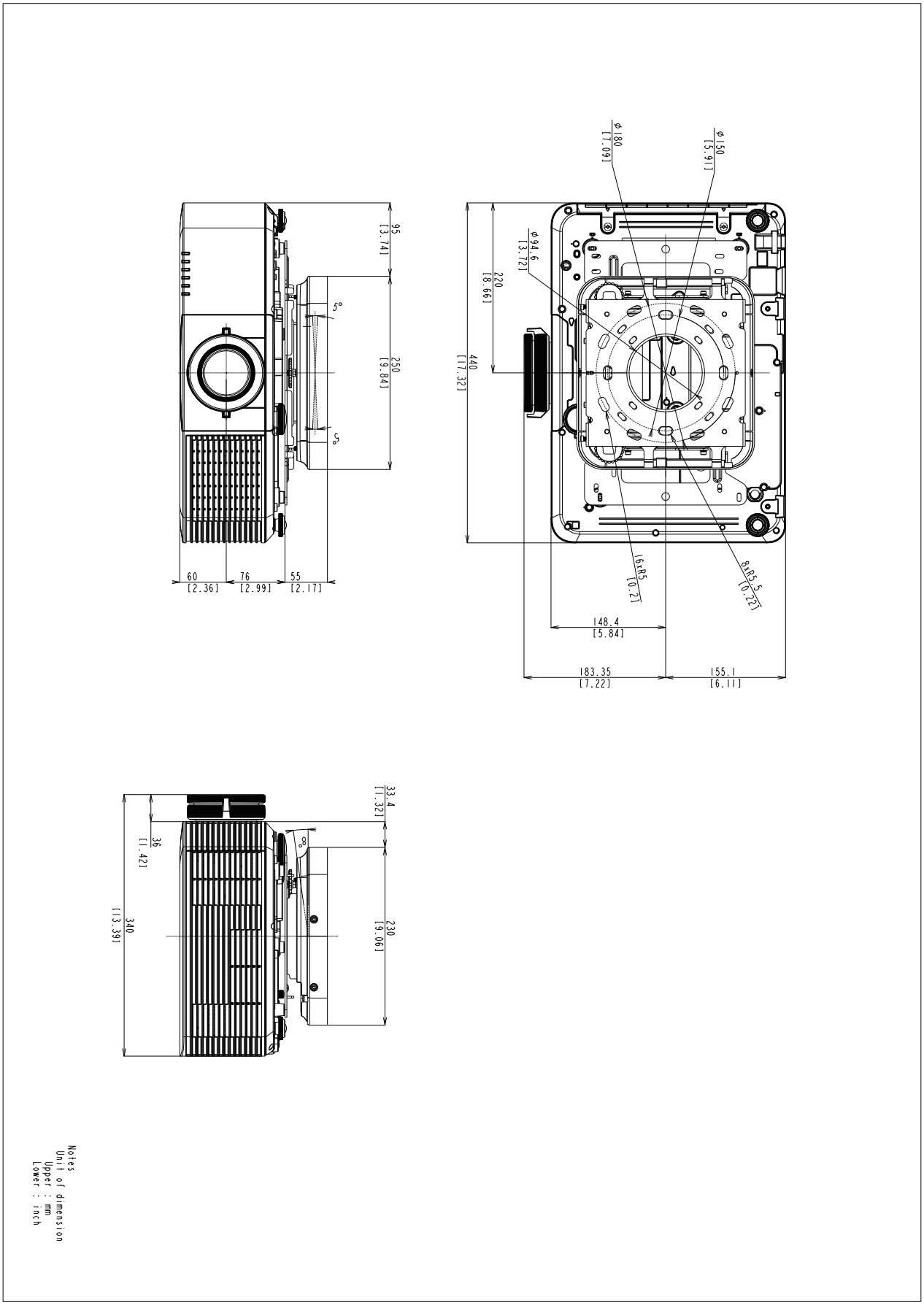
[Units: mm]

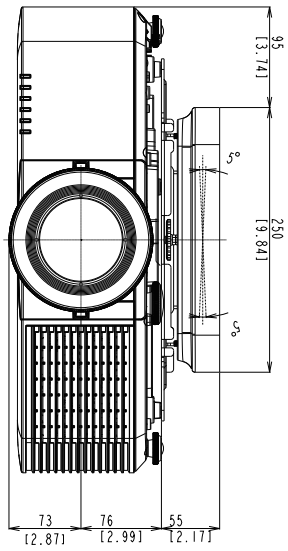


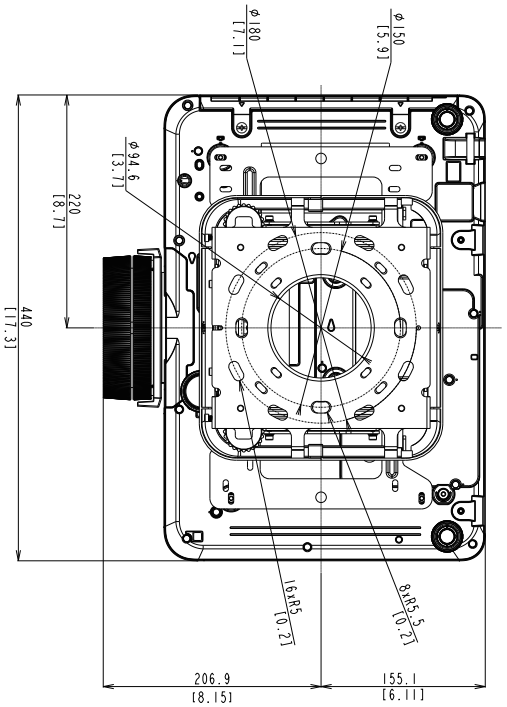
Notes
Unit of dimension
Upper : mm
Lower : inch

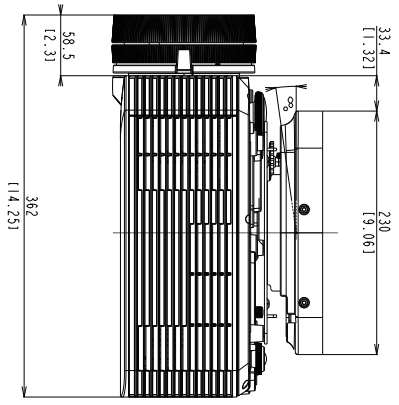
■ Dimensions with Ceiling Mount (Low profile) (ELPMB30)

EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U/
CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U





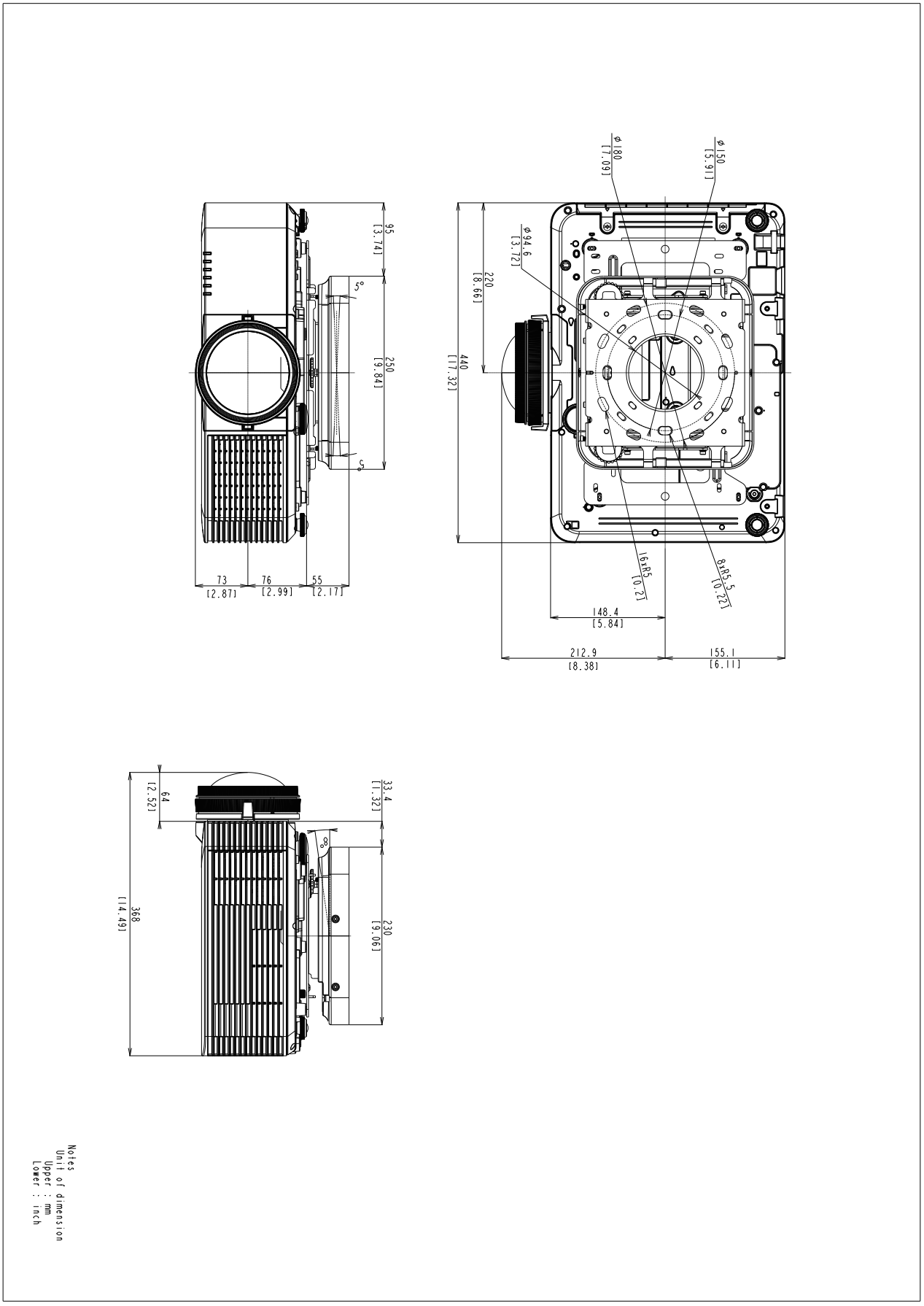




Notes
Unit of dimension
Upper : mm
Lower : inch

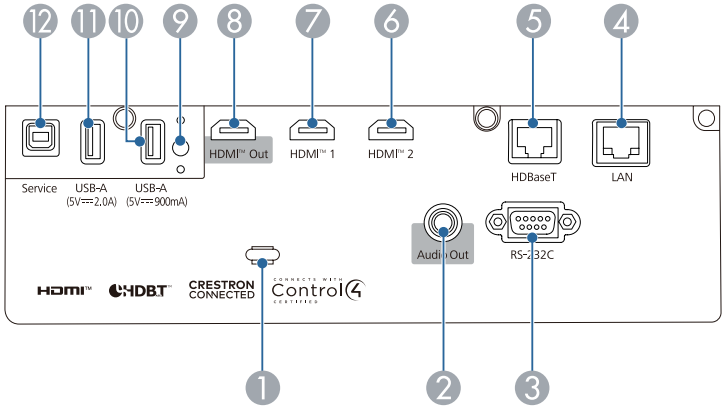
EB-L690SE/ EB-L695SE/
CB-L690SE/CB-L695SE

[Units: mm]



■ Interface

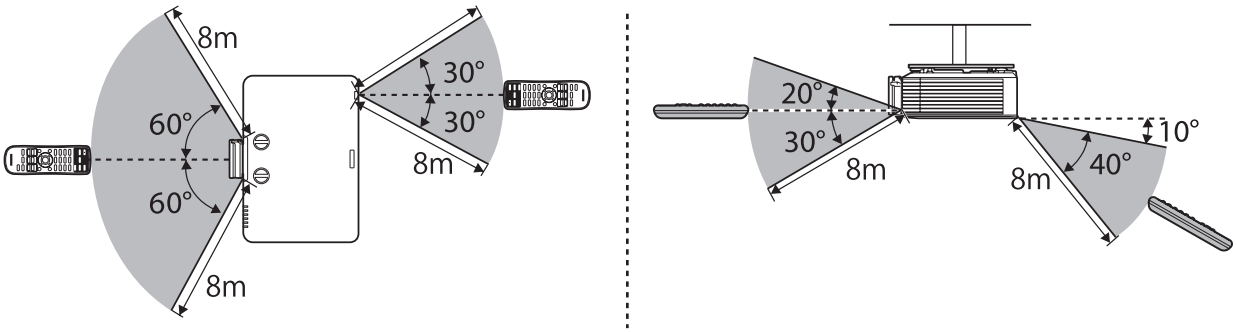
Position of interface on projector



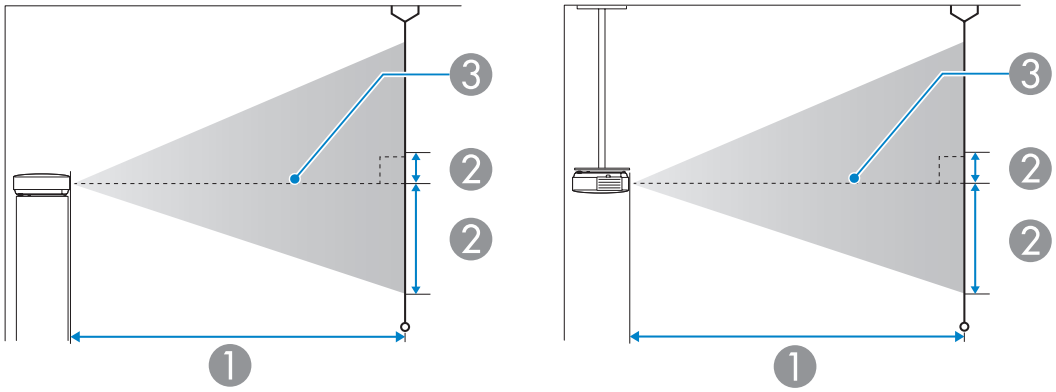
No	Name	No	Name
❶	Cable holder	❼	HDMI1 port
❷	Audio Out port	❽	HDMI Out port
❸	RS-232C port	❾	Wireless LAN cover attachment place
❹	LAN port	❿	USB-A port (5V 900mA)
❺	HDBaseT port	⓫	USB-A port (5V 2.0A)
❻	HDMI2 port	⓬	Service port

■ Remote Control Operating Range (Wireless)

The following shows the operation range for the remote control supplied with the projector.



■ Screen Size and Projection Distance



❶ Projection distance (cm)
❷ Distance from the center of the lens to the base of the screen (This changes depending on the setting for vertical lens shift.) (cm)
❸ Center of lens

Projection Distance Formula

EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U/ CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 2.96 - 3.57
Maximum	Projection distance (cm) = Projection screen size (inches) × 4.77 - 3.51

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 3.35 - 3.57
Maximum	Projection distance (cm) = Projection screen size (inches) × 5.40 - 3.51

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 3.04 - 3.57
Maximum	Projection distance (cm) = Projection screen size (inches) × 4.91 - 3.51

<For screens with an aspect ratio of 16:6>

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 3.27 - 3.57
Maximum	Projection distance (cm) = Projection screen size (inches) × 5.27 - 3.51

<For screens with an aspect ratio of 21:9>

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 3.21 - 3.57
Maximum	Projection distance (cm) = Projection screen size (inches) × 5.17 - 3.51

EB-L790SE/EB-L795SE/EB-L790U/EB-L690SU/EB-L695SU/
CB-L790SE/CB-L795SE/CB-L790U/CB-L690SU/CB-L695SU/CB-L590SE

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.74 - 2.77
Maximum	Projection distance (cm) = Projection screen size (inches) × 2.98 - 4.28

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.97 - 2.77
Maximum	Projection distance (cm) = Projection screen size (inches) × 3.38 - 4.28

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.79 - 2.77
Maximum	Projection distance (cm) = Projection screen size (inches) × 3.07 - 4.28

<For screens with an aspect ratio of 16:6>

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.93 - 2.77
Maximum	Projection distance (cm) = Projection screen size (inches) × 3.29 - 4.28

<For screens with an aspect ratio of 21:9>

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.89 - 2.77
Maximum	Projection distance (cm) = Projection screen size (inches) × 3.23 - 4.28

EB-L690SE/ EB-L695SE/
CB-L690SE/CB-L695SE

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.12 - 3.81
Maximum	Projection distance (cm) = Projection screen size (inches) × 1.57 - 3.18

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.27 - 3.81
Maximum	Projection distance (cm) = Projection screen size (inches) × 1.78 - 3.18

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

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.16 - 3.81
Maximum	Projection distance (cm) = Projection screen size (inches) × 1.62- 3.18

<For screens with an aspect ratio of 16:6>

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.24 - 3.81
Maximum	Projection distance (cm) = Projection screen size (inches) × 1.74 - 3.18

<For screens with an aspect ratio of 21:9>

Projection distance (①) formula	
Minimum	Projection distance (cm) = Projection screen size (inches) × 1.22 - 3.81
Maximum	Projection distance (cm) = Projection screen size (inches) × 1.71 - 3.18

Projection Distance

The projection distances are approximate values.
Visit the following Web site to find the projection distance calculator.
https://epson.com/

EB-L890E/EB-L895E/EB-L690E/EB-L890U/EB-L895U/EB-L790U/EB-L690U/ CB-L890E/CB-L895E/CB-L690E/CB-L890U/CB-L895U/CB-L790U/CB-L690U

<For screens with an aspect ratio of 16:10> [Units: cm]

16:10 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
50	108× 67	144	235	-67 - 0
60	129× 81	174	283	-81 - 0
70	151× 94	204	331	-94 - 0
80	172× 108	233	378	-108 - 0
100	215× 135	292	474	-135 - 0
120	258× 162	351	569	-162 - 0
150	323× 202	440	713	-202 - 0
200	431× 269	588	951	-269 - 0
300	646× 404	884	1429	-404 - 0
500	1077× 673	1476	2384	-673 - 0

<For screens with an aspect ratio of 4:3> [Units: cm]

4:3 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
45	91× 69	147	240	-69 - 0
50	102× 76	164	267	-76 - 0
60	122× 91	197	321	-91 - 0
80	163× 122	264	429	-122 - 0
100	203× 152	331	537	-152 - 0
120	244× 183	398	645	-183 - 0
150	305× 229	499	807	-229 - 0
200	406× 305	666	1077	-305 - 0
300	610× 457	1001	1618	-457 - 0
400	813× 610	1336	2158	-610 - 0
441	896× 672	1473	2380	-672 - 0

<For screens with an aspect ratio of 16:9> [Units: cm]

16:9 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
49	108× 61	145	237	-64 - 3
50	111× 62	148	242	-66 - 3
60	133× 75	179	291	-79 - 4
80	177× 100	240	389	-105 - 6
100	221× 125	301	487	-131 - 7
120	266× 149	361	585	-158 - 8
150	332× 187	453	733	-197 - 10
200	443× 249	605	978	-263 - 14
300	664× 374	909	1469	-394 - 21
400	886× 498	1213	1959	-526 - 28
486	1076× 605	1474	2381	-639 - 34

<For screens with an aspect ratio of 16:6> [Units: cm]

16:6 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
46	109× 41	147	239	-55 - 14
50	119× 45	160	260	-59 - 15
60	143× 54	192	313	-71 - 18
80	190× 71	258	418	-95 - 24
100	238× 89	323	524	-119 - 30
120	285× 107	388	629	-143 - 36
150	357× 134	486	787	-178 - 45
200	476× 178	650	1051	-238 - 59
300	713× 268	976	1578	-357 - 89
400	951× 357	1303	2105	-476 - 119
452	1075× 403	1473	2379	-537 - 134

<For screens with an aspect ratio of 21:9> [Units: cm]

21:9 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
47	110× 47	147	240	-58 - 11
50	117× 50	157	255	-61 - 11
60	140× 60	189	307	-74 - 14
80	187× 80	253	410	-98 - 18
100	233× 100	317	514	-123 - 23
120	280× 120	381	617	-148 - 28
150	350× 150	477	773	-184 - 34
200	467× 200	638	1031	-246 - 46
300	700× 300	958	1549	-369 - 69
400	934× 400	1279	2066	-492 - 92
461	1076× 461	1475	2382	-567 - 106

EB-L790SE/EB-L795SE/EB-L790SU/EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790SU/CB-L690SU/CB-L695SU/CB-L590SE

<For screens with an aspect ratio of 16:10> [Units: cm]

16:10 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
60	129× 81	102	175	-81 - 0
70	151× 94	119	204	-94 - 0
80	172× 108	137	234	-108 - 0
90	194× 121	154	264	-121 - 0
100	215× 135	172	294	-135 - 0
110	237× 148	189	324	-148 - 0
150	323× 202	259	443	-202 - 0
200	431× 269	346	592	-269 - 0
300	646× 404	521	890	-404 - 0
400	862× 538	695	1189	-538 - 0

<For screens with an aspect ratio of 4:3> [Units: cm]

4:3 screen size		① Minimum (Wide) to Maximum (Tele)		② Vertical Lens Shift Bottom to Top
inch	cm			
53	108× 81	102	175	-81 - 0
60	122× 91	116	198	-91 - 0
70	142× 107	135	232	-107 - 0
80	163× 122	155	266	-122 - 0
90	183× 137	175	300	-137 - 0
100	203× 152	195	333	-152 - 0
110	224× 168	214	367	-168 - 0
120	244× 183	234	401	-183 - 0
200	406× 305	392	671	-305 - 0
300	610× 457	590	1009	-457 - 0
353	717× 538	694	1188	-538 - 0

<For screens with an aspect ratio of 16:9> [Units: cm]

16:9 screen size		① Minimum (Wide) to Maximum (Tele)		② Vertical Lens Shift Bottom to Top
inch	cm			
58	128× 72	101	174	-76 - 4
60	133× 75	105	180	-79 - 4
70	155× 87	123	210	-92 - 5
80	177× 100	141	241	-105 - 6
90	199× 112	159	272	-118 - 6
100	221× 125	177	302	-131 - 7
110	244× 137	194	333	-145 - 8
120	266× 149	212	364	-158 - 8
200	443× 249	356	609	-263 - 14
300	664× 374	535	915	-394 - 21
389	861× 484	695	1188	-511 - 27

<For screens with an aspect ratio of 16:6> [Units: cm]

16:6 screen size		① Minimum (Wide) to Maximum (Tele)		② Vertical Lens Shift Bottom to Top
inch	cm			
54	128× 48	101	174	-64 - 16
60	143× 54	113	193	-71 - 18
70	166× 62	132	226	-83 - 21
80	190× 71	151	259	-95 - 24
90	214× 80	171	292	-107 - 27
100	238× 89	190	325	-119 - 30
110	262× 98	209	358	-131 - 33
120	285× 107	228	391	-143 - 36
200	476× 178	382	654	-238 - 59
300	713× 268	575	984	-357 - 89
362	861× 323	695	1188	-430 - 108

<For screens with an aspect ratio of 21:9> [Units: cm]

21:9 screen size		① Minimum (Wide) to Maximum (Tele)		② Vertical Lens Shift Bottom to Top
inch	cm			
55	128× 55	101	174	-68 - 13
60	140× 60	111	190	-74 - 14
70	163× 70	130	222	-86 - 16
80	187× 80	148	254	-98 - 18
90	210× 90	167	287	-111 - 21
100	233× 100	186	319	-123 - 23
110	257× 110	205	351	-135 - 25
120	280× 120	224	384	-148 - 28
200	467× 200	375	642	-246 - 46
300	700× 300	564	966	-369 - 69
369	861× 369	695	1189	-454 - 85

EB-L690SE/ EB-L695SE/
CB-L690SE/CB-L695SE

<For screens with an aspect ratio of 16:10> [Units: cm]

16:10 screen size		① Minimum (Wide) to Maximum (Tele)		② Vertical Lens Shift Bottom to Top
inch	cm			
80	172× 108	86	123	-108 - 0
90	194× 121	97	139	-121 - 0
100	215× 135	109	154	-135 - 0
110	237× 148	120	170	-148 - 0
120	258× 162	131	186	-162 - 0
150	323× 202	165	233	-202 - 0
200	431× 269	221	312	-269 - 0
300	646× 404	334	469	-404 - 0
400	862× 538	446	627	-538 - 0
500	1077× 673	558	784	-673 - 0

<For screens with an aspect ratio of 4:3> [Units: cm]

4:3 screen size		① Minimum (Wide) to Maximum (Tele)		② Vertical Lens Shift Bottom to Top
inch	cm			
71	144× 108	87	123	-108 - 0
80	163× 122	98	139	-122 - 0
90	183× 137	111	157	-137 - 0
100	203× 152	123	175	-152 - 0
110	224× 168	136	193	-168 - 0
120	244× 183	149	211	-183 - 0
150	305× 229	187	264	-229 - 0
200	406× 305	251	353	-305 - 0
300	610× 457	378	532	-457 - 0
400	813× 610	505	710	-610 - 0
441	896× 672	558	783	-672 - 0

<For screens with an aspect ratio of 16:9> [Units: cm]

16:9 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
78	173× 97	86	123	-103 - 5
80	177× 100	89	126	-105 - 6
90	199× 112	100	142	-118 - 6
100	221× 125	112	159	-131 - 7
110	244× 137	123	175	-145 - 8
120	266× 149	135	191	-158 - 8
150	332× 187	170	240	-197 - 10
200	443× 249	227	321	-263 - 14
300	664× 374	343	482	-394 - 21
400	886× 498	459	644	-526 - 28
486	1076× 605	558	783	-639 - 34

<For screens with an aspect ratio of 16:6> [Units: cm]

16:6 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
73	174× 65	87	124	-87 - 22
80	190× 71	96	136	-95 - 24
90	214× 80	108	153	-107 - 27
100	238× 89	120	171	-119 - 30
110	262× 98	133	188	-131 - 33
120	285× 107	145	205	-143 - 36
150	357× 134	182	258	-178 - 45
200	476× 178	245	345	-238 - 59
300	713× 268	369	518	-357 - 89
400	951× 357	493	692	-476 - 119
452	1075× 403	557	783	-537 - 134

<For screens with an aspect ratio of 21:9> [Units: cm]

21:9 screen size		①		②
		Minimum (Wide) to Maximum (Tele)		Vertical Lens Shift Bottom to Top
inch	cm			
74	173× 74	86	123	-91 - 17
80	187× 80	94	133	-98 - 18
90	210× 90	106	150	-111 - 21
100	233× 100	118	168	-123 - 23
110	257× 110	130	185	-135 - 25
120	280× 120	142	202	-148 - 28
150	350× 150	179	253	-184 - 34
200	467× 200	240	338	-246 - 46
300	700× 300	362	509	-369 - 69
400	934× 400	484	680	-492 - 92
461	1076× 461	558	784	-567 - 106

■ Keystone Correction Range

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

H/V-Keystone

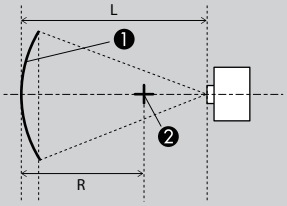
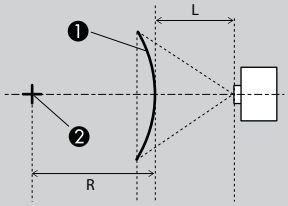
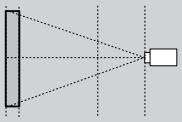
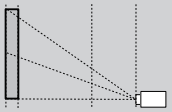
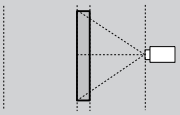
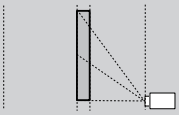
If the projector's angle of tilt is within the following range, you can correct distortion in the projected image by using the H/V-Keystone correction function.

	Vertical Direction	Horizontal Direction
EB-L890E/EB-L895E/EB-L690E/EB-L890U/ EB-L895U/EB-L790U/EB-L690U/EB-L790SE/ EB-L795SE/EB-L790SU/EB-L690SU/ CB-L890E/CB-L895E/CB-L690E/CB-L890U/ CB-L895U/CB-L790U/CB-L690U/CB-L790SE/ CB-L795SE/CB-L790SU/CB-L690SU/CB-L590SE	-30° - 30°	-30° - 30°
EB-L690SE/EB-L695SE/ CB-L690SE/CB-L695SE	-25° - 25°	-25° - 25°

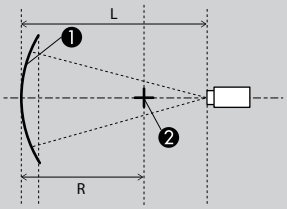
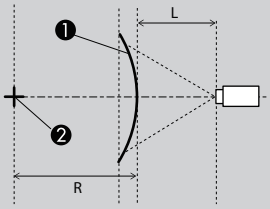
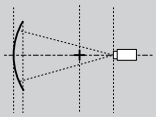
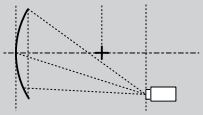
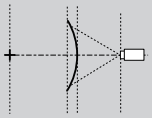
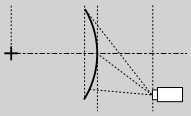
Curved Surface

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/value in the table

Horizontally curved surface

	Concave		Convex	
	 ❶: Screen ❷: 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		 ❶: Screen ❷: 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 
EB-L890E/EB-L895E/ EB-L690E/EB-L890U/ EB-L895U/EB-L790U/ EB-L690U CB-L890E/CB-L895E/ CB-L690E/CB-L890U/ CB-L895U/CB-L790U/ CB-L690U	0.3	0.3	0.64	0.65
EB-L790SE/EB-L795SE/EB-L790SU/ EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790SU/ CB-L690SU/CB-L695SU/CB-L590SE	0.41	0.41	1.49	1.53
EB-L690SE/EB-L695SE/ CB-L690SE/CB-L695SE	0.51	0.8	3.4	3.52

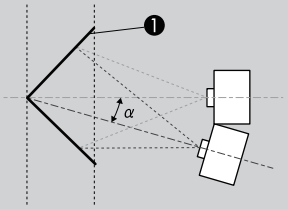
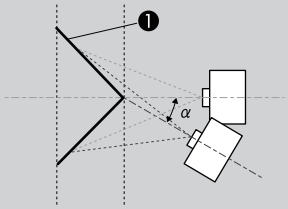
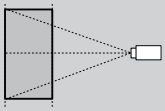
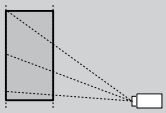
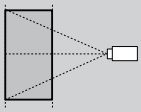
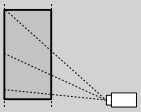
Vertically curved surface

	Concave		Convex	
	 ❶: Screen ❷: Center of the circle of which the curved surface is an arc L: Projection distance R: Redius of the circle of which the curved surface is an arc		 ❶: Screen ❷: 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 
EB-L890E/EB-L895E/ EB-L690E/EB-L890U/ EB-L895U/EB-L790U/ EB-L690U CB-L890E/CB-L895E/ CB-L690E/CB-L890U/ CB-L895U/CB-L790U/ CB-L690U	0.22	0.25	0.34	0.39
EB-L790SE/EB-L795SE/EB-L790SU/ EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790SU/ CB-L690SU/CB-L695SU/CB-L590SE	0.33	0.52	0.77	0.86
EB-L690SE/EB-L695SE/ CB-L690SE/CB-L695SE	0.45	1.49	1.64	1.87

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 values when projecting at maximum zoom.)

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

	Concave		Convex	
	 ❶ : Screen α : Movable angle of the projector		 ❶ : Screen α : Movable angle of the projector	
	Vertical Lens Shift: Home Position 	Vertical Lens Shift: Top 	Vertical Lens Shift: Home Position 	Vertical Lens Shift: Top 
EB-L890E/EB-L895E/ EB-L690E/EB-L890U/ EB-L895U/EB-L790U/ EB-L690U CB-L890E/CB-L895E/ CB-L690E/CB-L890U/ CB-L895U/CB-L790U/ CB-L690U	32	26	13	13
EB-L790SE/EB-L795SE/EB-L790SU/ EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790SU/ CB-L690SU/CB-L695SU/CB-L590SE	31	18	4	4
EB-L690SE/EB-L695SE/ CB-L690SE/CB-L695SE	25	10	-	-

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

	Concave		Convex	
	❶ : Screen α : Movable angle of the projector		❶ : Screen α : Movable angle of the projector	
	Vertical Lens Shift: Home Position	Vertical Lens Shift: Top	Vertical Lens Shift: Home Position	Vertical Lens Shift: Top
EB-L890E/EB-L895E/ EB-L690E/EB-L890U/ EB-L895U/EB-L790U/ EB-L690U CB-L890E/CB-L895E/ CB-L690E/CB-L890U/ CB-L895U/CB-L790U/ CB-L690U	28	16	19	7
EB-L790SE/EB-L795SE/EB-L790SU/ EB-L690SU/EB-L695SU/ CB-L790SE/CB-L795SE/CB-L790SU/ CB-L690SU/CB-L695SU/CB-L590SE	20	3	11	-
EB-L690SE/EB-L695SE/ CB-L690SE/CB-L695SE	12	-	0	-

■ Supported Monitor Display Resolutions

Signals with a check mark are supported. When inputting a signal with a resolution higher than the projector's panel resolution, the display is compressed which may result in a loss of clarity.

HDMI

Signal Information				HDMI											
Mode	Resolution	Refresh Rate [Hz]	Link	YCbCr 4:2:0			YCbCr 4:2:2			YCbCr 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
Video	1920 x 1080	24p	Single	–	–	–	✔	✔*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
Video	1920 x 1080	30p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	50p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	59.94p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	60p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	50i	Single	–	–	–	✔*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
Video	1920 x 1080	60i	Single	–	–	–	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2
Video	2560 x 1080	50p	Single	–	–	–	–	–	–	–	–	–	–	–	–
Video	2560 x 1080	59.94p	Single	–	–	–	–	–	–	–	–	–	–	–	–
Video	2560 x 1080	60p	Single	–	–	–	–	–	–	–	–	–	✔	–	–
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	✔	–	–	✔	–	–
Video	3840 x 2160	59.94p	Single	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	3840 x 2160	60p	Single	✔	✔*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	✔	–	–	✔	–	–
Video	4096 x 2160	59.94p	Single	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	4096 x 2160	60p	Single	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	–	–	✔	–	–

■H/VSync, Pixel Clock Min/Max		HDMI
HSync [kHz]	MIN	26.97
	MAX	135.00
VSync [Hz]	MIN	23.98
	MAX	60.32
Pixel Clock [MHz]	MIN	25.175
	MAX	594.000

• Common note

Formats with a checkmark "✓" in 10 bit and 12 bit support "Deep Color".

• Notes (*1,2,3・・・・)

*1 : Pixel repetition : H active is 720(1440)

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

• HDR Support Information (*A,B,C・・・・)

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

HDBaseT

Signal Information				HDBaseT												
				YCbCr									RGB			
				4:2:0			4:2:2			4:4:4						
Mode	Resolution	Refresh Rate [Hz]	Link	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
Video	1920 x 1080	24p	Single	–	–	–	✔	✔*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
Video	1920 x 1080	30p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	50p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	59.94p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	60p	Single	–	–	–	✔	✔*A	✔*A	✔	✔*A	✔*A	✔	✔*A	✔*A
Video	1920 x 1080	50i	Single	–	–	–	✔*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
Video	1920 x 1080	60i	Single	–	–	–	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2	✔*2
Video	2560 x 1080	50p	Single	–	–	–	–	–	–	–	–	–	–	–	–
Video	2560 x 1080	59.94p	Single	–	–	–	–	–	–	–	–	–	–	–	–
Video	2560 x 1080	60p	Single	–	–	–	–	–	–	–	–	–	✔	–	–
Video	3840 x 2160	23.98p	Single	–	–	–	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	3840 x 2160	24p	Single	–	–	–	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	3840 x 2160	25p	Single	–	–	–	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	3840 x 2160	29.97p	Single	–	–	–	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	3840 x 2160	30p	Single	–	–	–	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	3840 x 2160	50p	Single	✔	–	–	–	–	–	–	–	–	–	–	–
Video	3840 x 2160	59.94p	Single	✔	–	–	–	–	–	–	–	–	–	–	–
Video	3840 x 2160	60p	Single	✔	–	–	–	–	–	–	–	–	–	–	–
Video	4096 x 2160	23.98p	Single	–	–	–	✔	✔*A	✔*A	✔	–	–	✔	–	–
Video	4096 x 2160	24p	Single	–	–	–	✔	✔*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	✔	–	–	–	–	–	–	–	–	–	–	–
Video	4096 x 2160	59.94p	Single	✔	–	–	–	–	–	–	–	–	–	–	–
Video	4096 x 2160	60p	Single	✔	–	–	–	–	–	–	–	–	–	–	–

■H/VSync, Pixel Clock Min/Max		HDBaseT
HSync [kHz]	MIN	26.97
	MAX	135.00
VSync [Hz]	MIN	23.98
	MAX	60.32
Pixel Clock [MHz]	MIN	25.17
	MAX	594.00

• Common note

Formats with a checkmark "✓" in 10 bit and 12 bit support "Deep Color".

• Notes (*1,2,3・・・・)

*1 : Pixel repetition : H active is 720(1440)

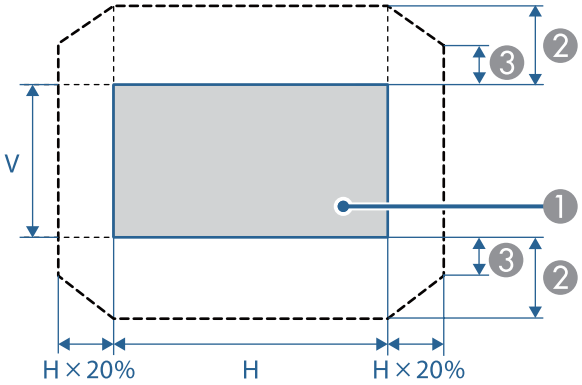
*2 : When interlaced signals are connected, line doubler processing is performed, so the projected image may flicker.

• HDR Support Information (*A,B,C • • • •)

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

■ Available Lens Shift Adjustment Range

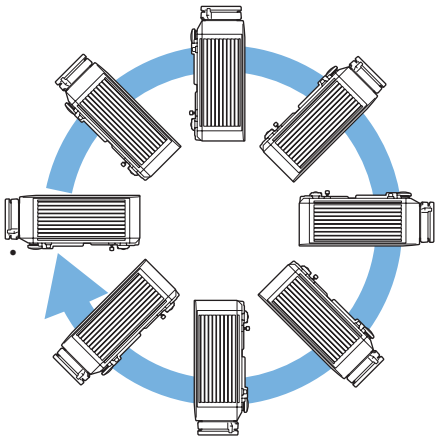
The ranges within which the image can be moved are shown below.

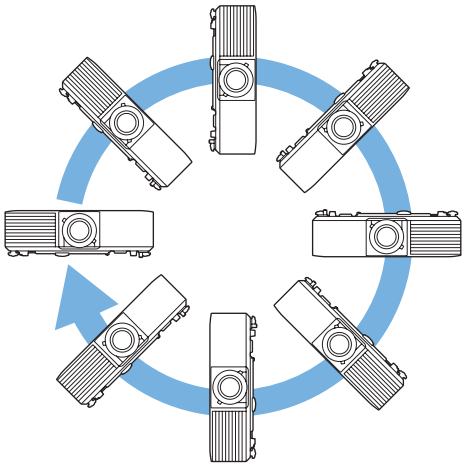


❶ Projected image at the center of the lens shift adjustment range
❷ Maximum range: V × 50%
❸ When the horizontal direction is at the maximum value: V × 12%

■ Installation Angle

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





■ Installation Environment

Note the following precautions when installing the projector.

⚠ Warning

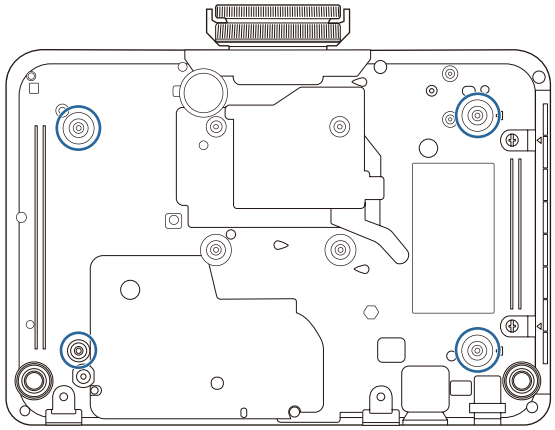
- Do not use adhesives on the ceiling mount fixing points to prevent the screws from loosening, or use lubricants, oils, or similar substances on the projector; the projector case may crack causing it to fall from its ceiling mount. This could cause serious injury to anyone under the ceiling mount and could damage the projector.
- Failure to install the ceiling mount and projector may cause the projector to fall. After installing the specific Epson mount that supports your projector, make sure you secure the mount to all of the projector's ceiling mount fixing points. Also, secure the projector and the mounts using wire that is strong enough to hold their weight.
- 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

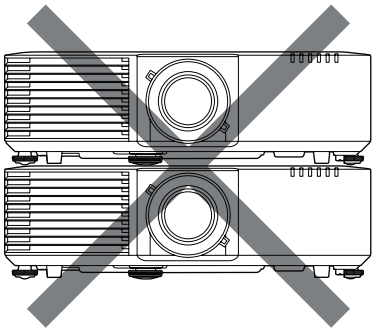
- Locations subject to excessive smoke or airborne oil particles, such as factories or kitchens
- Locations containing volatile solvents or chemicals, such as factories or laboratories
- Locations where the projector could be subjected to detergents or chemicals, such as factories or kitchens
- Locations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

Caution

- Use M4 screws (up to a depth of 9 mm) to fix the projector's ceiling mount fixing points and the mounting hardware at four points.



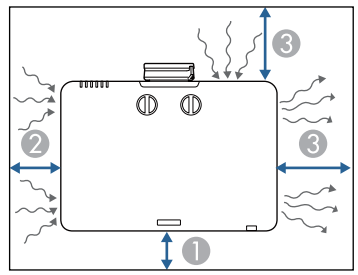
- Do not stack projectors directly on top of each other.

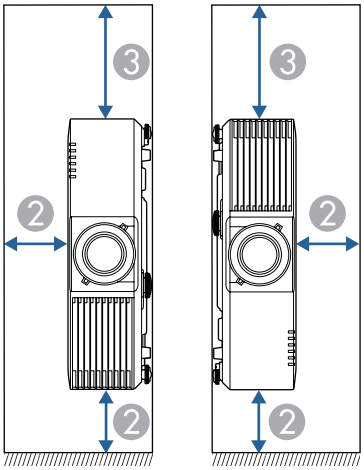


Installation space

Caution

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



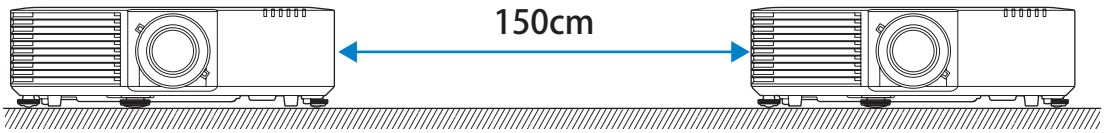


1 10 cm
2 20 cm
3 40 cm

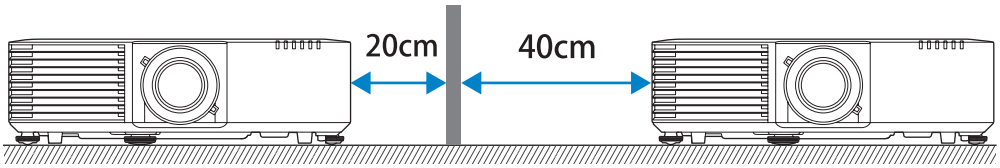
Installation space (When installing multiple projectors side by side)

Caution

- 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.



■ Monitoring and Control

The projector can be monitored and controlled using the following methods.
For 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 the Web browser of a computer connected to the projector on a network, you can operate the projector or edit your playlists.
You can also operate the projector or edit your playlists from a mobile device using the Epson iProjection (iOS/Android) app.

• 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.

• 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.
https://epson.com/

• Epson Projector Management Connected

Projector information is managed on a cloud server, so it can be remotely monitored and controlled from any device.
For more information, visit the following Web site.
https://www.projection-service.epson.com/epm-connected/

• Epson Projector Professional Tool (Software provided by Epson)

You can adjust the images projected by the projector and monitor the status of the projector over a network.
You can download Epson Projector Professional Tool from the following Web site.
https://epson.com/

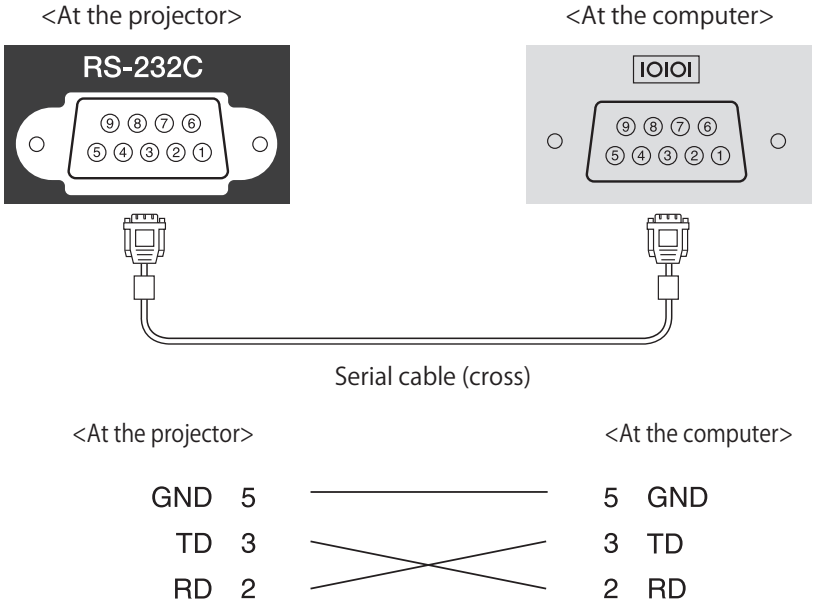
• Crestron Connected

This is an integrated control system provided by Crestron. You can monitor and control multiple connected to the network all at once.
For more information on Crestron Connected, visit the Crestron website.
https://www.crestron.com/Products/Crestron-Connected-Devices

• Web API

You can control the projector by Web API communication using API authentication (Digest authentication).
For details, see the "Web API Specifications for Projectors" on the following website.
https://support.epson.net/setupnavi/

Serial Connection



<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

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.

Function classification: Start/Stop

Function	Command	Setting Value/Response Value
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: Cooling status 04: Network monitoring status /communication standby 05: Error standby status 09: A/V Standby

Function classification: Operation

Function	Command	Setting Value/Response Value
Key operation	KEY x1	Control panel 01: Power 03: Menu 05: ESC 16: Enter 35: Up 36: Down 37: Left 38: Right 48: Source Search 15: A/V Mute Remote control 3B: Power A1: Power ON 6C: Power OFF 3C: Menu 30: Home/Help 3D: ESC/Return 49: Enter 58: Pointer Top 59: Pointer Bottom 5A: Pointer Left 5B: Pointer Right 67: Source Search 4D: HDMI 8A: Wireless 85: USB B9: Computer/HDBaseT 47: Freeze 28: E-Zoom+ 29: E-Zoom- 3E: A/V Mute(Blank) 56: Volume+ 57: Volume- 70:0(10 key) 71:1(10 key) 72:2(10 key) 73:3(10 key) 74:4(10 key) 75:5(10 key) 76:6(10 key) 77:7(10 key) 78:8(10 key) 79:9(10 key) 84:Customize 88:Default 8F:ID D4:Rewind D5:Fast Forward D8:Mute DB:Play/Pause

Function classification: Projection screen adjustment

Function	Command	Setting Value/Response Value
V-Keystone Settings/Acquire settings	VKEYSTONE x1	-
	VKEYSTONE?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
H-Keystone Settings/Acquire settings	HKEYSTONE x1	-
	HKEYSTONE?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
V-Balance Settings/Acquire settings	VBALANCE x1	-
	VBALANCE?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)

Function	Command	Setting Value/Response Value
H-Balance Settings/Acquire settings	HBALANCE x1	-
	HBALANCE?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Quick Corner Coordinate Settings/Acquire settings	QCS x1 x2 x3 x4 x5 x6 x7 x8	-
	Parameter	x1-x8: -4999 to 5000 Specifies in the order: top left (x, y), top right (x,y), bottom right (x, y), bottom left (x, y)
	QCS?	-
	Return code	-4999 to 5000 Coordinates (x, y) for 4 points are divided into 4 lines and responded
Quick Corner Vector Settings	QCV x1 x2 x3 x4 x5 x6 x7 x8	-
	Parameter	x1-x8: -99 to 99 Specifies in the order: top left (x, y), top right (x,y), bottom right (x, y), bottom left (x, y)
Quick Corner Coordinate Shift	QCMV control direction movement	-
	Parameter	control: QC control location specifications 01: Top left control 02: Top right control 03: Bottom right control 04: Bottom left control INIT (settings only) direction: Direction specifications 01: Move up 02: Move down 03: Move left 04: Move right movement: Amount of movement specifications Only INC is enabled (settings only)
Keystone/screen correction method settings/Aquire settings	CORRECTMET x1	-
	CORRECTMET?	-
	Parameter/Return code	00: Off 01: H/V-Keystone 02: Quick Corner correction 03: Point Correction 04: Curved Surface Correction 05: Corner Wall Correction
Arc Correction/Acquire correction value	ARC top [direction correct]	-
	ARC? [top]	-
	Parameter	top: Correction point 01: Top left 02: Top center 03: Top right 04: Right center 05: Bottom right 06: Bottom center 07: Bottom left 08: Left center INIT (settings only/Initializes the shape, stretch and aspect maintenance) direction: Moving direction 01: Upward 02: Downward 03: Left direction 04: Right direction correct: Correction volume 0 ～ 9999: Correction volume (Number of pixels) INC only
	Return code	Returns the horizontal and vertical values of the specified correction point or all correction points.

Function	Command	Setting Value/Response Value
Point Correction/Acquire correction value	POINT pt vnum hnum color [figure] POINT pt xy move [figure] POINT INIT [figure]	-
	POINT? [point]	-
	Parameter/Return code	pt= Point correction settings/Adjustment point 0: Point correction menu settings 1-9999: Adjustment point ■ Point correction menu settings (pt=0) ・vnum = Grid size (Vertical) 03: 3 05: 5 09: 9 17: 17 33: 33 ・hnum = Grid side (Horizontal) 03: 3 05: 5 09: 9 17: 17 33: 33 ・color= Pattern color 02: white 03: red 04: green 05: blue 06: yellow 07: cyan 08: magenta ■ Each point correction (pt=1 ～ 9999) ・xy = Moving direction 01: Specifies x axis ＋ (Right) direction 02: Specifies x axis － (Left) direction 03: Specifies y axis － (Up) direction 04: Specifies y axis ＋ (Down) direction ・move = lens adjustment 00 ～ 255: lens adjustment INC ■ Initializes all points (settings only) INIT
	Return code	・point= When the point adjustment setting is specified as 0000, returns the point adjustment setting, number of points, color, and screen shape maintenance. ・point= When the correction point is specified as 0001 to 9999, returns the correction points, x-axis movement amount, and y-axis movement amount.
Point correction complement method setting/Acquire setting value	INTRPLFORM	-
	INTRPLFORM?	-
	Parameter/Return code	01: Straight line 02: Curve

Function	Command	Setting Value/Response Value
Scale change settings/Acquire the setting value (Scale function)	SCALE set param SCALE set mode SCALE set coord-x coord-y SCALE set range SCALE set dir move	-
	Parameter	set: Various settings 00: Scale 01: Scale mode setting 03: Vertical scale setting 04: Horizontal scale setting 05: Clip adjustment INIT (settings only) Scale size change function enable/disable setting (set=00) ・param: Scale settings 00: Off 01: Manual 02: Auto Scale mode settings (set=01) ・mode: Scale mode 40: Full 50: Zoom Scale settings (set=03) ・range: Vertical scale setting -100 ～ 0 ～ 9999: Vertical scale INC/DEC/INIT Scale settings (set=04) ・range: Horizontal scale settings -100 ～ 0 ～ 9999: Horizontal scale INC/DEC/INIT Clip adjustment movement amount (set=05) ・dir: Scroll setting 01: Up direction 02: Down direction 03: Left direction 04: Right direction ・move: Each direction moving amount 0000 ～ 9999: Moving amount
	SCALE? set	
	Parameter	set: Various settings 00: Scale 01: Scale mode settings 03: Vertical scale setting 04: Horizontal scale setting 05: Clip adjustment F0: Acquires the start clipping coordinates, the end clipping coordinates and the clipping size
	Return code	・Scale change function enable/disable setting value ・Scale mode setting value ・Vertical scale setting value ・Horizontal scale setting value ・Clip adjustment direction ,moving amount ・Each value of clipping, the start coordinate, the end coordinate and the size
Horizontal Linearity/Acquire the linearity	HARCSTRETCH set [scalar]	-
	HARCSTRETCH?	-
	Parameter/Return code	set: Specifies the stretching criteria 1-9999: Specifies each criteria number (Number of significant digits: 4) scalar: Linearity See the menu structure for the specifiable range. INC/DEC (settings only) Common INIT (settings only)

Function	Command	Setting Value/Response Value
Vertical linearity/Acquire linearity	VARCSTRETCH set [scalar]	-
	VARCSTRETCH?	-
	Parameter/Return code	set: Specifies the stretching criteria 1-9999: Specifies each criteria number (Number of significant digits: 4) scalar: Linearity See the menu structure for the specifiable range. INC/DEC (settings only) Common INIT (settings only)
Curved surface, Maintain aspect ratio settings/Acquire settings	ARCASPECT	-
	ARCASPECT?	-
	Parameter/Return code	00: Off 01: On (Maintain aspect ratio)
Corner wall/acquire the correction value	DIHEDRAL set form DIHEDRAL set position DIHEDRAL set direction collect	-
	DIHEDRAL? set	-
	Parameter/Return code	set: Control 00: Corner type setting 01: Selects the correct area 02: Executes the corner projection correction When set=00 form: specifies corner surface 01: Selects the top and the bottom of horizontal corner 02: Selects the right and the left of vertical corner When set=01 position: Position 01: Top left 02: Top center 03: Top right 04: Right side center 05: Bottom right 06: Bottom center 07: Bottom left 08: Left side center When set=02 direction: Moving direction 01: Upward direction 02: Downward 03: Left direction 04: Right direcction collect: Correction amount 0-9999: Correction amount INC (settings only) Common INIT (settings only//Initializes the shape and stretch)
Corner projection linearity/ Acquire linearity	DIHSTRETCH scalar	-
	DIHSTRETCH?	-
	Parameter/Return code	See the menu structure for the specifiable range. INIT/INC/DEC (settings only)
Uniformity settings	UNIFORMITY x1	-
	UNIFORMITY?	-
	Parameter/Return code	00: Off 01: On

Function	Command	Setting Value/Response Value
Uniformity adjustment	UNEVENCOLOR place level mode value	-
	UNEVENCOLOR? place level	-
	Parameter/Return code	place: Adjustment range 00: ALL 01: Top left 02: Top center 03: Top right 04: Right center 05: Bottom right 06: Bottom center 07: Bottom left 08: Left center 09: All area level: Adjustment level 01-08: Level 1 to Level 8 FF: All levels (settings only) mode: item setting 01: Red adjustment 02: Blue adjustment 03: Green adjustment INIT (settings only) (Initializes the place, the level, and the destination) value: Adjustment value 0-255 INC/DEC
Geometry Correction Memory recall	POPGC x1	-
	Parameter	01: Memory 1 02: Memory 2 03: Memory 3
Geometry Correction Memory registration	PUSHGC x1	-
	Parameter	01: Memory 1 02: Memory 2 03: Memory 3
Geometry Correction Memory deletion	ERASEGC x1	-
	Parameter	00: ALL (Initializes the geometry correction memory.) 01: Memory 1 02: Memory 2 03: Memory 3
Geometry Correction Memory rename and acquire the settings	NAMEGC x1 x2	-
	Parameter	x1 Memory No. 01: Memory 1 02: Memory 2 03: Memory 3 x2 Custom name (ASCII code)
	NAMEGC? x1	-
	Parameter	Same as the fist parameter of NAMEGC
	Return code	Same as the second parameter of NAMEGC

Function	Command	Setting Value/Response Value
Aspect settings/Acquire the setting value	ASPECT xx	-
	ASPECT?	-
	Parameter/Return code	(When Screen Type = <4:3>) 10: 4:3 20: 16:9 30: Auto 50: H Zoom 60: Native A0: V Zoom INIT (settings only) (When Screen Type = <16:9><21:9>) 30: Auto 40: Full 50: H Zoom 60: Native A0: V Zoom INIT (settings only) (When Screen Type = <16:10>) 20: 16:9 30: Auto 40: Full 50: H Zoom 60: Native A0: V Zoom INIT (settings only) (When Screen Type = <16:6>) 30: Auto 40: Full INIT (settings only) When <Auto> is selected, (acquire only) x1: Mode x2: Parameter of Auto (Fix 30)
Screen Type settings/Acquire the value	SCFORMAT mode param	-
	SCFORMAT? mode	-
	Parameter/Return code	mode: Setting mode 01: Screen type setting 02: Screen position setting INIT (settings only) param: Setting value (mode=01) 01: 4:3 02: 16:9 03: 16:10 04: 16:6 05: 21:9 param: Setting value (mode=02) C19 ～ 000 ～ 3E7
Brightness Control/Light Source settings/Acquire the setting value	LUMINANCE xx	-
	LUMINANCE?	-
	Parameter/Return code	00: Nomal 01: Quiet 04: Long 05: Custom INIT (settings only)
Brightness Level settings/ Acquire the setting value	LUMLEVEL level	-
	LUMLEVEL?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Constant Brightness setting/ Acquire the setting	LUMCONST x1 [x2]	-
	LUMCONST?	-

Function	Command	Setting Value/Response Value
	Parameter/Return code	x1: Constant mode 00: Off 01: On INIT (settings only) x2: Brightness level 0-255
Acquire the brightness level when the light source is set to Custom	LUMCUSTOM?	-
	Return code	Brightness level setting value (%)

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

Function classification: Source Select/Image Signal settings

Function	Command	Setting Value/Response Value
Source Select/Acquire the setting	SOURCE x1	30: HDMI1 A0: HDMI2 80: HDBaseT 52: USB 53: LAN 56: Miracast (Except EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE)
	SOURCE?	30: HDMI1 A0: HDMI2 80: HDBaseT 52: USB 53: LAN 56: Miracast (Except EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE)
Auto Source Search	AUTOSEARCH x1	-
	AUTOSEARCH?	-
	Parameter/Return code	00: Off 01: On

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

Function classification: Image adjustment

Function	Command	Setting Value/Response Value
Brightness Settings/Acquire settings	BRIGHT x1	-
	BRIGHT?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Contrast Settings/Acquire settings	CONTRAST x1	-
	CONTRAST?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Color Saturation Settings/ Acquire settings	DENSITY x1	-
	DENSITY?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Tint Settings/Acquire settings	TINT x1	-
	TINT?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)

Function	Command	Setting Value/Response Value
Sharpness Settings/Acquire settings	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 parameters for SHARP command
	Return code	0-255
Color Temp. Settings/Acquire settings	CTEMP x1	-
	CTEMP?	-
	Parameter/Return code	Color Temp. 0-255 INIT/INC/DEC (settings only)
Skin color (G-M Correction) Settings/Acquire settings	FCOLOR x1	-
	FCOLOR?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Color Mode Settings/Acquire settings	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)
Noise Reduction Settings/ Acquire settings	NRS xx	-
	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
Red Offset Settings/Acquire settings Green Offset Settings/Acquire settings Blue Offset Settings/Acquire settings	OFFSETR x1	-
	OFFSETR?	-
	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)
Red Gain Settings/Acquire settings Green Gain Settings/Acquire settings Blue Gain Settings/Acquire settings	GAINR x1	-
	GAINR?	-
	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)

Function	Command	Setting Value/Response Value
Gamma Settings/Acquire settings	GAMMA x1	-
	GAMMA?	-
	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: Custom INIT (settings only)
Gamma Color Tone Settings/ Acquire settings	GAMMALV x1 x2	-
	Parameter	x1: Color Tone 00-08 Gradient 1 to Gradient 9 x2: Adjustment Number 0-255 INC/ DEC
	GAMMALV? x1	-
	Parameter	See the first parameter of the GAMMALV command.
	Return code	0-255
RGBCMY Settings/Acquire settings	AXESADJ x1 x2 x3 x4	-
	Parameter	x1: Color 01: R 02: G 03: B 04: C 05: M 06: Y 90: ALL x2: Hue 0-255 x3: Saturation 0-255 x4: Brightness 0-255 INIT
	AXESADJ?	-
	Return code	0-255 Returns the hue, saturation, and brightness of each color in the order R, G, B, C, M, Y.
Multi-screen Color Matching Settings/ Acquire settings	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 FF: All x3: Adjustment value (except x1 = 01) 0-255 INIT/INC/DEC [x3]: type (except x1 = 01 & x2 = 00) 00: Tone Pattern 01: Blend 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 to the settings or level value for each level of the specified adjustment type. Level value: 00-08, FF Adjustment value: 000-255

Function	Command	Setting Value/Response Value
Load Memory	POPMEM x1 x2	-
	Parameter	x1 Memory Type 02: Advanced x2 Memory No. 01: Memory 1 (1st) : 0A: Memory 10 (10th)
Save Memory	PUSHMEM x1 x2	-
	Parameter	x1 Memory Type 02: Advanced x2 Memory No. 01: Memory 1 (1st) : 0A: Memory 10 (10th)
Erase Memory	ERASEMEM x1 x2	-
	Parameter	x1 Memory Type 00: ALL 02: Advanced x2 Memory No. 01: Memory 1 (1st) : 0A: Memory 10 (10th)
Acquire color adjustment method settings	CSEL?	-
	Return code	07: RGB/RGBCMY
4K Enhancement Settings/ Acquire setting	4KENHANCE x1	For EB-L890E / EB-L895E/EB-L690E/EB-790SE/EB-L795SE/EB-L690SE/EB-L695SE/CB-L890E / CB-L895E/CB-L690E/CB-790SE/CB-L795SE/CB-L690SE/CB-L695SE/CB-590SE
	4KENHANCE?	For EB-L890E / EB-L895E/EB-L690E/EB-790SE/EB-L795SE/EB-L690SE/EB-L695SE/CB-L890E / CB-L895E/CB-L690E/CB-790SE/CB-L795SE/CB-L690SE/CB-L695SE/CB-590SE
	Parameter/Return code	00: Off 01: On
Image Enhancement Preset Settings/Acquire	IMGPRESET x1	-
	IMGPRESET?	-
	Parameter/Return code	00: Off 01: Preset 1 02: Preset 2 03: Preset 3 04: Preset 4 05: Preset 5 INIT (settings only)
Detail Enhancement: Range Settings/Acquire	DERANGE x1	-
	Parameter	0-255 INC/DEC/INIT
	DERANGE?	-
	Return code	0-255
Detail Enhancement: Strength Settings/Acquire	DESTRENGTH x1	-
	Parameter	0-255 INC/DEC/INIT
	DESTRENGTH?	-
	Return code	0-255
(HDR) Color Space Settings/ Acquire settings	CLRSPACE x1	-
	CLRSPACE?	-
	Parameter/Return code	00: Auto 01: BT.709 02: BT.2020
(HDR) Dynamic Range Settings/Acquire settings	DYNRANGE x1	-
	DYNRANGE?	-
	Parameter/Return code	00: Auto 01: SDR 20: HDR10 30: HLG

Function	Command	Setting Value/Response Value
HDR PQ Settings/Acquire settings	HDRPQ x1	-
	HDRPQ?	-
	Parameter/Return code	01-16: HDR10 Mode
HDR HLG Settings/Acquire settings	HDRHLG x1	-
	HDRHLG?	-
	Parameter/Return code	01-16: HLG Mode
Scene Adaptive Gamma Settings/Acquire settings	SCENEGAMMA x1	-
	SCENEGAMMA?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Edge Blending settings/ Acquire settings	EGBLEND mode [param] [sted] [value] [range] EGBLEND mode INIT EGBLEND INIT	-

Function	Command	Setting Value/Response Value
	Parameter	EGBLEND mode [param] [sted] [value] [range] mode: Edge Blending setting type 10: Edge Blending enable/disable setting 20: Edge position adjustment 21: Edge position adjustment value (Blending range adjustment) 22: Edge position adjustment (Blending start position) 2F: Edge position adjustment (All settings) 30: Blending curve setting 50: Markers 51: Pattern Display 60: Guide Colors param: Specifies each adjustment value ・Edge blending setting value (mode=10) 00: Edge blending Off 01: Edge blending On/Blending and black level 02: Edge blending black level ・Edge position adjustment value (mode=20) 01: Edge position (up) 02: Edge position (bottom) 03: Edge position (left) 04: Edge position (right) ・sted: Edge position adjustment value settings 00: Edge position adjustment specification Off 01: Edge position adjustment specification On ・Blending range/start position adjustment (mode=21/22) 01: Edge position (up) 02: Edge position (bottom) 03: Edge position (left) 04: Edge position (right) ・range: 0 ～ 9999: Specifies blending range/Start position INC/DEC ・Blending curve setting value (mode=30) 01: Edge position (up) 02: Edge position (bottom) 03: Edge position (left) 04: Edge position (right) ・value: 1 ～ 87: Curve 1 to Curve 135 ・Markers/pattern display (mode=50,51) 00: Markers off/Pattern display Off 01: Markers on/Pattern display On ・Marker Colors (mode=60) 04-09: Pattern 4 to pattern 9 range: ・When the Edge position adjustment (all settings) is (Mode=2F), Edge position adjustment (mode=20) and Edge position adjustment value (Blending range adjustment)(mode=21) are set all at once. EGBLEND mode INIT mode 30: Blend curve settings
	EGBLEND? mode (param)	-

Function	Command	Setting Value/Response Value
	Parameter	mode: Setting types 10: Edge blending enable/disable setting 20: Edge position adjustment 21: Edge position adjustment value (Blending range adjustment) 22: Edge position adjustment (Blending start position) 30: Blending curve setting 50: Markers 51: Marker pattern 60: Guide colors F0: Acquire the maximum value of blending range param: Specifies each adjustment value ・Edge position adjustment value (mode=20/21/22/30) 01: Edge position (Up) 02: Edge position (Bottom) 03: Edge position (Left) 04: Edge position (Right)
	Return code	・Edge blending setting value (mode=10) ・Edge position adjustment setting (mode=20) ・Blending range adjustment (mode=21) value (000 to 9999) ・Blending start position (mode=22) value (000 to 9999) ・Blending curve setting value (mode=30) value (01 to 87) ・Marker setting value (mode=50) ・Marker pattern setting value (mode=51) ・Guide color setting value (mode=60) ・Blending range maximum value (mode=F0)
Black level adjustment area settings/Acquire the setting value	BKADJPOINT 00 BKADJPOINT 01 index BKADJPOINT 02 index x y BKADJPOINT 03 index dir move BKADJPOINT 04 BKADJPOINT 05 param value BKADJPOINT 06 pnum BKADJPOINT 07 edge BKADJPOINT 08 edge dir move BKADJPOINT 09 edge id_e BKADJPOINT 0A edge id_e x y BKADJPOINT 0B edge id_e xy move BKADJPOINT 0C area param value	-

Function	Command	Setting Value/Response Value
	Parameter/Return code	Point correction settings ・mode: Operation mode 00: Starts black level adjustment area setting 04: Executes the black level adjustment 06: Specifies the edge points 07: Specifies the adjustment side 08: Moves the adjustment side 09: Specifies the adjustment point 0A: Moves the adjustment point (Specifies the coordinate) 0B: Moves the adjustment point (Specifies the moving amount) 0C: Adjusts the black level by area INIT: Initializes the black level ・posx/posy: Adjustment point coordinates 0 ～ 9999, 0 ～ 9999 ・dir Adjustment point moving direction 01: X coordinates (+) 02: X coordinates (-) 03: Y coordinates (+) 04: Y coordinates (-) ・move: Adjustment point moving amount 0 ～ 9999 INC DEC ・param: Specifies black level adjustment RGB 05: Color correction R 06: Color correction G 07: Color correction B 08: Batch correction RGB (Brightness correction) ・value: Black level adjustment value 0 ～ 255/INC/DEC ※ param = 08 RGB batch correction is only for INC/DEC ・pnum: Number of placed adjustment points 3: 3 5: 5 9: 9 17: 17 ・edge: Specifies adjustment side 01: Top side 02: Bottom side 03: Left side 04: Right side ・id_e: Available range to specify the index on adjustment sides depends on pnum. ・area: Specifies adjustment area 01: Top Left 05: Center 09: Bottom Right 02: Top 06: Right 03: Top Right 07: Bottom Left 04: Left 08: Bottom
	BKADJPOINT? 01 BKADJPOINT? 02 index BKADJPOINT? 03 index BKADJPOINT? 05 BKADJPOINT? 06 BKADJPOINT? 07 BKADJPOINT? 09 BKADJPOINT? 0A edge id_e BKADJPOINT? 0B edge id_e BKADJPOINT? 0C area	-

Function	Command	Setting Value/Response Value
	Parameter/Return code	・mode: Acquired information type 06: Edge point number 07: Adjustment side 09: Adjustment point index 0A: Adjustment point coordinate 0B: Adjustment point movement amount 0C: Black level adjustment value by area ・pnum: Number of placed adjustment points 3: 3 5: 5 9: 9 17: 17 ・up/down/left/right: Available status of each edge 00: Edge unavailable 01: Edge available ・index: Adjustment point index number 0-64 (0= Adjustment point not set) ・posx/posy: Adjustment point xy coordinates 0-9999, 0-9999 ・dx/dy: Adjustment point xy moving amount -9999 ～ 9999, -9999 ～ 9999 <When mode 06 is selected> Return Format: BKADJPOINT=pnum 3: 3 5: 5 9: 9 17: 17 <When mode 07 is selected> Return Format: BKADJPOINT=edge edge: Selected adjustment side 00: Not selected 01: Top side 02: Bottom side 03: Left side 04: Right side <When mode 09 is selected> Return Format: BKADJPOINT=pnum up down left right edge id_e <When mode 0A is selected> Return Format: BKADJPOINT=pnum posx posy <When mode 0B is selected> Return Format: BKADJPOINT=pnum dx dy <When mode 0C is selected> Return Format: BKADJPOINT=r g b

Function	Command	Setting Value/Response Value
Black level adjustment area setting/Acquire the setting value	BKADJPOINT2 00 BKADJPOINT2 01 index BKADJPOINT2 02 index x y BKADJPOINT2 03 index dir move BKADJPOINT2 04 BKADJPOINT2 05 param value BKADJPOINT2 06 pnum BKADJPOINT2 07 edge BKADJPOINT2 08 edge dir move BKADJPOINT2 09 edge id_e BKADJPOINT2 0A edge id_e x y BKADJPOINT2 0B edge id_e xy move BKADJPOINT2 0C area param value	-
	Parameter/Return code	Point correction settings ・mode: Operation mode 00: Starts the black level adjustment area setting 04: Executes black level adjustment 06: Specifies the number of edge points 07: Specifies the adjustment side 08: Moves the adjustment side 09: Specifies the adjustment points 0A: Moves the adjustment points (Specifies the coordinates) 0B: Moves the adjustment points (Specifies the amount of movement) 0C: Adjusts black level by area INIT: Initializes black level ・posx/posy: Adjustment point coordinates 0 ～ 9999, 0 ～ 9999 ・dir: Adjustment point moving direction 01: X coordinate (+) 02: X coordinate (-) 03: Y coordinate (+) 04: Y coordinate (-) ・move: Adjustment point moving amount 0 ～ 9999 INC DEC ・param: Specifies black level adjustment RGB 05: Color correction R 06: Color correction G 07: Color correction B 08: Batch correction RG (Brightness correct) ・value: Black level adjustment value 0 ～ 500/INC/DEC ※ param = 08 Batch correction is only for INC/DEC ・pnum: Number of adjustment points 3: 3 5: 5 9: 9 17: 17 ・edge: Specifies the adjustment side 01: Top side 02: Bottom side 03: Left side 04: Right side ・id_e: Available area for index on the adjustment side depends on pnum. ・area: Specifies the adjustment area 01: Top Left 06: Right 02: Top 07: Bottom Left 03: Top Right 08: Bottom 04: Left 09: Bottom Right 05: Center

Function	Command	Setting Value/Response Value
	BKADJPOINT2? 01 BKADJPOINT2? 02 index BKADJPOINT2? 03 index BKADJPOINT2? 05 BKADJPOINT2? 06 BKADJPOINT2? 07 BKADJPOINT2? 09 BKADJPOINT2? 0A edge id_e BKADJPOINT2? 0B edge id_e BKADJPOINT2? 0C area	-
	Parameter/Return code	・mode: Acquired information type 06: Number of edge points 07: Adjusted side 09: Adjustment point index 0A: Adjustment point coordinates 0B: Adjustment points moving amount 0C: Black level adjustment value by area ・pnum: Number of adjustment points 3: 3 5: 5 9: 9 17: 17 ・up/down/left/right: Enabled state of each edge 00: Edge disabled 01: Edge enabled ・index: Index number of adjustment points 0-64 (0= Not set adjustment points) ・posx/posy: Adjustment points xy coordinates 0-9999, 0-9999 ・dx/dy: Adjustment points xy moving amount -9999 ～ 9999, -9999 ～ 9999 <When Mode 06 is selected> Return Format: BKADJPOINT2=pnum 3: 3 5: 5 9: 9 17: 17 <When mode 07 is selected> Return Format: BKADJPOINT2=edge edge: Selected adjustment side 00: Not selected 01: Top side 02: Bottom side 03: Left side 04: Right side <When mode 09 is selected> Return Format: BKADJPOINT2=pnum up down left right edge id_e <When 0A is selected> Return Format: BKADJPOINT2=pnum posx posy <When mode 0B is selected> Return Format: BKADJPOINT2=pnum dx dy <When mode 0C is selected> Return Format: BKADJPOINT2=r g b

Function	Command	Setting Value/Response Value
Blanking setting/Acquire settings	BLANKING x1 x2 BLANKING x1 INC/DEC/INIT	-
	Parameter	x1 Blanking position 01: Top 02: Bottom 03: Left 04: Right x2 Correction value Vertical direction (WUXGA) 0 - 599 Right and left direction (WUXGA) 0 - 959 INC/DEC/INIT
	BLANKING? x1	-
	Parameter	x1 Blanking position
	Return code	x2 Correction value

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

Function classification: Audio

Function	Command	Setting Value/Response Value
Volume Settings/Acquire settings	VOL x1	-
	VOL?	-
	Parameter/Return code	0-255 INIT/INC/DEC (settings only)
Standby Audio Output settings/Acquire the setting value	STANDBYSOUND x1	-
	STANDBYSOUND?	-
	Parameter/Return code	00: Off 01: On INIT (settings only)
Beep setting/Acquire the setting value	BEEP	-
	BEEP?	-
	Parameter/Return code	00: Beep off (Off) 01: Beep on (On) INIT (settings only)
Release the A/V Mute/Release the Shutter	MUTEMODE	-
	MUTEMODE?	-
	Parameter/Return code	00: All 01: AV Mute

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

Function classification: Additional functions

Function	Command	Setting Value/Response Value
Execute or Release A/V Mute/ Acquire status	MUTE x1	-
	MUTE?	-
	Parameter/Return code	ON: Execute A/V Mute OFF: Release A/V Mute INIT (settings only)
Execute or Release Freeze/ Acquire status	FREEZE x1	-
	FREEZE?	-
	Parameter/Return code	ON: Execute Freeze OFF: Release Freeze INIT (settings only)
Rename Memory	NAMEMEMS x1 x2 x3	-
	Parameter	x1 Memory No. 01: Memory 1 (First) : 0A: Memory 10 (10th) x2 Name F0: Custom x3 Custom name (ASCII code)
	NAMEMEMS? x1	-
	Parameter	Same as the first parameter of NAMEMEMS
	Return code	Same as the second and the third parameters of NAMEMEMS
Split Screen setting/Acquire the setting value	SPS x1 x2	-

Function	Command	Setting Value/Response Value
	Parameter	x1: Displays on split screen function 01: Displays on split screen On/Off 02: Picture size setting 03: Selects source left 04: Selects source right 06: Switches main screen and sub screen INIT x2: Setting by function Executes and releases split screen (x1=01) 00: Releases Split Screen 01: Executes Split Screen Screen size setting (x1=02) 00: Equal 01: Enlarges the left 02: Enlarges the right Specifies the left screen source (x1=03) Specifies the right screen source (x1=04) Refer to the SOURCE commands *Except FX code (Switch order) Split screen audio switch setting (x1=06) 01: Left screen 02: Right screen
	SPS?	-
	Parameter	00: Acquires all settings 01: Split screen display status 02: Screen size setting 03: Left screen source 04: Right screen source 06: Split screen audit switch
	Return code	(x1=00) Returns the value by 01-04, and 06 each in order of the parameter (x1=01-04,06) Refer to the second parameter of SPS command

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

Function classification: Configuration

Function	Command	Setting Value/Response Value
Horizontal Reverse Settings/ Acquire settings	HREVERSE x1	-
	HREVERSE?	-
	Parameter/Return code	ON: Horizontal Reverse status OFF: Normal INIT (settings only)
Vertical Reverse Settings/ Acquire settings	VREVERSE x1	-
	VREVERSE?	-
	Parameter/Return code	ON: Vertical Reverse status OFF: Normal INIT (settings only)

Function	Command	Setting Value/Response Value
Reset All Config	INITALL2 x1	-
	Parameter/Return code	x1: Targets of initialization (Hex) bit 15: Reserved bit 14: Reserved bit 13: Reserved bit 12: Reserved bit 11: Reserved bit 10: Memory bit 9: Multi-Projection bit 8: Reserved bit 7: Reserved bit 6: Network bit 5: Control bit 4: Operation bit 3: Display bit 2: Installation bit 1: Signal input/output bit 0: Image Set as 0: Not initialize Set as 1: Initializes *This command is specified by the bit assignment
Reset All (Factory Default)	INITFACTORY x1	-
	Parameter	x1: Reset Password
Communication Speed Settings/Acquire settings	SPEED x1	-
	Parameter	00: 9600bps 01: 19200bps 02: 38400bps 03: 57600bps INIT
	SPEED?	-
	Return code	00: 9600bps 01: 19200bps 02: 38400bps 03: 57600bps
Projector ID Settings/Acquire settings Base Unit ID Settings/Acquire settings	PROJID x1	-
	PROJID?	-
	Parameter/Return code	00: Off 01-09: ID1-ID9 INIT (settings only)
Air Filter Notice Settings/Acquire settings	FLCLENOT x1	-
	FLCLENOT?	-
	Parameter/Return code	00: No Air Filter Notice 01: Use Air Filter Notice INIT (settings only)
Illumination/Indicator Settings	ILLUM x1	-
	ILLUM?	-
	Parameter/Return code	01: On 02: Off INIT (settings only)
Inv Direction Button Settings/Acquire settings	KREVERSE x1	-
	KREVERSE?	-
	Parameter/Return code	10: Release the projector's Inv Direction Button and turn off the setting 11: Execute the projector's Inv Direction Button and turn on the setting INIT (settings only)
Menu Display Position Settings/Acquire settings	MENUDISP mode param	-
	MENUDISP? mode	-

Function	Command	Setting Value/Response Value
	Parameter/Return code	mode: Specify Setting Mode 01: Menu Position param=01: Menu Position 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 INIT (settings only)
Message Display Position Settings/Acquire settings	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 Settings	ONSCREEN x1	-
	ONSCREEN?	-
	Parameter/Return code	00: Off (do not display the OSD) 01: On (display the OSD)
OSD Rotation Settings	OSDROTATE x1	-
	OSDROTATE?	-
	Parameter/Return code	00: Off 01: Right 90 Degree 02: Left 90 Degree
Standby Confirmation setting/ Acquire the setting value	STANDBYCONF mode	-
	STANDBYCONF?	-
	Parameter/Return code	00: Standby Confirmation Off 01: Standby Confirmation On INIT (settings only)
HDBaseT Settings/Acquire settings	HDBASET mode	-
	HDBASET?	-
	Parameter/Return code	00: Off 01: On INIT (settings only)
Startup Source Settings/ Acquire settings	STSOURCE mode	-
	STSOURCE?	-
	Parameter/Return code	00: Last Source 30: HDMI1 52: USB 53: LAN 80: HDBaseT A0: HDMI2
Quick Startup Mode Settings/ Acquire	FASTBOOT x1	-
	FASTBOOT?	-
	Parameter/Return code	00: Off 02: 60 min. 03: 90 min.

Function	Command	Setting Value/Response Value
Refresh Mode Settings/Acquire	REFRESHTIME x1	-
	REFRESHTIME?	-
	Parameter/Return code	01: 1 hour 0D: 13 hours 02: 2 hours 0E: 14 hours 03: 3 hours 0F: 15 hours 04: 4 hours 10: 16 hours 05: 5 hours 11: 17 hours 06: 6 hours 12: 18 hours 07: 7 hours 13: 19 hours 08: 8 hours 14: 20 hours 09: 9 hours 15: 21 hours 0A: 10 hours 16: 22 hours 0B: 11 hours 17: 23 hours 0C: 12 hours 18: 24 hours
Refresh Mode Start	REFRESH	-
	Parameter	x1: ON: Starts the Refresh mode OFF: Ends the Refresh mode
Refresh Mode Executing Messages Settings/Acquire	REFRESHMSG x1	-
	REFRESHMSG?	-
	Parameter/Return code	00: Hide Messages 01: Messages
Batch Setup Range Settings/ Acquire	BARANGE x1	-
	BARANGE?	-
	Parameter/Return code	00: All 01: Limited
Light Source Calibration Start (Run Now)	LTCALB	-
Auto Light Source Calibration Settings/Acquire (Run Periodically)	AUTOLTCALB x1	-
	AUTOLTCALB?	-
	Parameter/Return code	00: Off 01: On (Run Periodically) INIT (settings only)
Light Source Calibration Last Run Acquire	LASTLTCALB?	-
	Return code	yyyyMMddHHmm (Year, Month, Date, Hour, Minute) 2000 to 2099: yyyy 01 to 12: MM 01 to 31: dd 00 to 23: HH 00 to 59: mm
Menu Color settings/Acquire the setting value	MENUCOLOR x1	-
	MENUCOLOR?	-
	Parameter/Return code	00: Black 01: White INIT (settings only)
Kitting settings/Acquire the setting value	KITTING x1	-
	KITTING?	-
	Parameter/Return code	00: No kitting allowed (NFC Write Protection On) 01: Kitting allowed (NFC Write Protection Off)
Multi-Projection batch setting/ Acquire the setting value	MULTIPJSETUP	-
Eco batch setting start	ECOSETUP x1	-
	Parameter	x1: ON INIT
Messages settings/Acquire the setting value	IPROMPT x1	-
	IPROMPT?	-
	Parameter/Return code	ON: Messages available OFF: Message unavailable INIT (settings only)
Display Background settings/ Acquire the setting value	NOSEL x1	-
	NOSEL?	-
	Parameter/Return code	01: Black 02: Blue 03: Logo INIT (settings only)

Function	Command	Setting Value/Response Value
Startup Screen Display settings/Acquire the setting value	SCREEN x1	-
	SCREEN?	-
	Parameter/Return code	ON: Start up screen On OFF: Start up screen Off INIT (settings only)
Remote Receiver setting/ Acquire the setting value	RCLT xx	-
	RCLT?	-
	Parameter/Return code	00: All remote receiver Off 01: Front 02: Rear 03: Front/Rear FF: All remote receiver On (settings only) INIT (settings only)
Direct Power On setting/ Acquire the setting value	DIRECTON xxx	-
	DIRECTON?	-
	Parameter/Return code	ON: Direct power on available OFF: Direct power on not available INIT (settings only)
Auto Power On setting	AUTOPWRON x1	-
	AUTOPWRON?	-
	Parameter/Return code	00: Off 31: HDMI1 Signal detection 80: HDBaseT
Standby Mode setting/Acquire the setting value	SPOWER x1	-
	SPOWER?	-
	Parameter/Return code	00: Eco 01: Wired LAN communication 02: Normal INIT (settings only)
HDMI Link setting/Acquire the setting value	HDMILINK mode param	-
	HDMILINK? mode	-
	Parameter/Return code	mode: 01: HDMI Link 02: Power on link 03: Power off link 04: Audio Out Device INIT (settings only) param: ・HDMI Link 00: HDMI Link Off 01: HDMI Link On ・Power on link 00: Off 01: Bidirectional 02: Device -> PJ 03: PJ -> Device ・Power off link 00: Off 01: On ・Audio out device 00: Projector 01: AV system
HDMI Out Power Link on/off settings/Acquire the settings	HDMIOUTPWRLINK x1	-
	HDMIOUTPWRLINK?	-
	Parameter/Return code	x1: 00: Off 01: On INIT (settings only)
HDMI Out End Projector setting/Acquire the settings	HDMIOUTTERMN x1	-
	HDMIOUTTERMN?	-
	Parameter/Return code	x1: 00: Off 01: On INIT (settings only)

Function	Command	Setting Value/Response Value
Button assignment setting/ Acquire the setting	BUTALLOC button function	-
	BUTALLOC? button	-
	Parameter/Return code	button 84: User Button function 00: Light source mode 01: Information 04: Test pattern 16: Multi-Projection 17: On screen 26: Split screen 29: Content playback 2D: LAN information display FF: Not set INIT (settings only)
Date/Time settings/Acquire the setting	DATETIME time	- (Supporting NW)
	DATETIME?	- (Supporting NW)
	Parameter/Return code	time: yyMMddHHmmss (Year, Month, Date, Hour, Minute, Second) 00 ～ 99: yy 01 ～ 12: MM 01 ～ 31: dd 00 ～ 23: HH 00 ～ 59: mm 00 ～ 59: ss INIT (settings only)
High Altitude Mode setting/ Acquire the setting value	ALTITUDE mode	-
	ALTITUDE?	-
	Parameter/Return code	00: Off 01: On INIT (settings only)

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

Function classification: Home Screen

Function	Command	Setting Value/Response Value
Home Screen Auto Disp.	AUTOHOME x1	-
	AUTOHOME?	-
	Parameter/Return code	00: Off (do not display automatically) 01: On (display automatically)

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

Function classification: Network

Function	Command	Setting Value/Response Value
AMX DDDP BeaconMessage Acquire	AMX	-
	Return code	*The response format follows the AMX specifications. AMXB<-SDKClass=VideoProjector> <-GUID=EPSON_EMP001><-Revision=1.0.0>
AMX DDDP IP BeaconMessage Status settings/Acquire status	AMXDDDP x1	-
	AMXDDDP?	-
	Parameter/Return code	00: Stop sending BeaconMessage 01: Start sending BeaconMessage INIT (settings only)
Extron XTP Settings/Acquire	XTP x1	-
	XTP?	-
	Parameter/Return code	00: Off 01: On
Wireless Mode	WLPWR x1	- (Supporting NW)
	WLPWR?	- (Supporting NW)
	Parameter/Return code	00: Off 01: Wireless LAN On

Function	Command	Setting Value/Response Value
Firmware Update setting/ Acquire the setting	FWUPDSETTING x1	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	FWUPDSETTING?	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	Parameter/Return code	00: Off 01: Notify 02: Do not notify 03: Auto update at midnight INIT (settings only)

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

Function classification: Miracast

Function	Command	Setting Value/Response Value
Miracast (Miracast power source) settings/Acquire the setting	WDPWR x1	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	WDPWR?	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	Parameter/Return code	00: Off 01: On
Miracast performance adjustment setting/Acquire the setting	WDPERF x1	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	WDPERF?	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	Parameter/Return code	01: Setting 1 (Fine) 02: Setting 2 03: Setting 3 04: Setting 4 (Fast)
Miracast setting reflection	WDRESET	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
Miracast information bar display setting/Acquire the setting	WDINFOBAR x1	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	WDINFOBAR?	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	Parameter/Return code	00: Off 01: On
Miracast access control setting/Acquire the setting	WDACCESS x1	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	WDACCESS?	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	Parameter/Return code	00: Off 01: On
Miracast secondary connection settings/Acquire the setting	WDSECONDARY x1	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	WDSECONDARY?	- (EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE 以外)
	Parameter/Return code	00: Off 01: Interruptions OK

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

Function classification: Provide Information

Function	Command	Setting Value/Response Value
Acquire Lamp Hours	LAMP?	-
	Return code	LAMP=x1 x1: Lamp (Laser) On Hours
Acquire Operation Hours	ONTIME?	-
	Return code	ONTIME=x1 x1: Operation Hours
Acquire Signal Status	SIGNAL?[x1]	-
	Return code	00: No signal 01: Signal FF: Unsupported signal
Acquire Source List Information	SOURCELIST?	-
	Return code	30: HDMI1 A0: HDMI2 80: HDBaseT 52: USB 53: LAN 56 Miracast (Except EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE)
Acquire Source List Information (All sources)	SOURCELISTA?	-
	Return code	30: HDMI1 A0: HDMI2 80: HDBaseT 52: USB 53: LAN 56 Miracast (Except EB-L690SE/EB-L695SE/CB-L690SE/CB-L690SE)

Function	Command	Setting Value/Response Value
Log Save Destination	LOGTO x1	-
	LOGTO?	-
	Parameter/Return code	00: Internal memory 01: USB and internal memory
Acquire External Camera Status	EXTCAMERASTS?	-
	Return code	Normal: Normal status None: Camera is not connected Error01: Camera Error 1
Acquire the information menu display data	MENUINFO? xx	-
	Parameter	00: All data 01: Status 02: Accumulated usage time 05: Event ID 0A: Color format

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

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 status query	POWR ?	0		Power-off (Standby/ Abnormal standby)	-
		1		Power-on (Light source on)	-
		2		Cooling status	-
		3		Warm-up status	-
Input switch instruction Input source query	INPT INPT ?	32		HDMI1	-
		33		HDMI2	-
		41		USB	-
		52		LAN	-
		56		HDBaseT	-
		57		Miracast (Except EB-L690SE/ EB-L695SE/CB-L690SE/CB-L690SE)	-
Input toggling list query	INST ?	32		HDMI1	Displays a list of the available input sources of the projector.
		33		HDMI2	
		41		USB	
		52		LAN	
		56		HDBaseT	
		57		Miracast (Except EB-L690SE/ EB-L695SE/CB-L690SE/CB-L690SE)	
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 status query	AVMT ?	30		A/V mute off	Not support release and execute A/ V Mute (11) and release and execute Mute (21)
		31		A/V mute on	
Number of light source operating hours, light source status query	LAMP ?	[L1 Lamp usage time] [L1 Lamp status] (ESC/VP21 command: LAMP?PWSTATUS)		-	-
Projector name query	NAME ?	-		Projector Name	*Displays the name set in [Network] - [Network Settings] - [Projector Name] in the projector's menu.

Function	Command	Setting Value/ Response Value	Content	Notes
Manufacture name information query	INF1 ?	EPSON	Manufacture name	-
Model name information query	INF2 ?	EPSON L895E/L890E	EB-L890E/EB-L895E/CB-L890E/CB-L895E	-
		EPSON L690E	EB-L690E/CB-L690E	
		EPSON L795SE/L790SE	EB-L795SE/EB-L790SE/CB-L795SE/CB-L790SE	
		EPSON L895U/L890U	EB-L890U/EB-L895U/CB-L890U/CB-L895U	
		EPSON L790U	EB-L790U/CB-L790U	
		EPSON L690U	EB-L690U/CB-L690U	
		EPSON L790SU	EB-L790SU/CB-L790SU	
		EPSON L695SU/L690SU	EB-L695SU/EB-L690SU/CB-L695SU/CB-L690SU	
		EPSON L790G/L695SE/ L690SE	EB-L690SE/EB-L695SE/ EB-L790G/CB-L690SE/CB-L695SE	
		EPSON L590SE	CB-L590SE	
Class information query	CLSS ?	2	Class information	-

- The password for PJLink is set in [Network] - [Basic] - [PJLink Password] from the projector's menu. If you do not want to use a password, leave [PJLink Password] blank.
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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.
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 filter usage query	FILT ?	0	-	-
Filter model number query	RFIL ?	ELPAF65	Your projector model number	-
Speaker volume adjustment order	SVOL	VOL INC/DEC	-	-
Static function setting Static status query	FREZ FREZ ?	0	Freeze off	-
		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, and enter your model name.

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