HIGH BRIGHTNESS BUSINESS PROJECTORS
EB-L12000QNL/L20000UNL

EPSON
EXCEED YOUR VISION

BRIGHT, BRILLIANT & DETAILED.

EPSON
EXCEED YOUR VISION

Get ready to impress and do even more with the EB-L12000QNL and the EB-L20000UNL high brightness laser projectors. Deliver stunning images in native 4K resolution[1], and revel in colour brightness of up to 20,000 lumens with Epson 3LCD technology. Enjoy ease of mobility and installation flexibility. And high reliability with a robust design protected by a triple layered dust-proof structure. Put together, businesses now have all it takes in Epson to make a powerful impact on a bigger stage.

IT'S IN THE DETAILS.
With 3LCD panels, every projection gives you spectacular true colours.

POWERFUL PRECISION
Colour brightness in outstanding levels of up to 20,000 lumens with spectacular image quality delivered in native 4K resolution[1] for best of both power and details.

RELIABLE PERFORMANCE
Robust design with triple layered dust-proof structure, plus 20,000 hours[2] maintenance free.[3]

HIGHER INSTALLATION FLEXIBILITY
Engineered for greater mobility and higher installation flexibility, supported by Epson Professional Tools and innovation.

Sales Enquiries
800 120 5564

 EpsonSEA @EpsonSEA @EpsonSEA EpsonSoutheastAsia Epson Southeast Asia

1 Native 4K resolution available only on Epson EB-L12000QNL.
2 20,000H life for laser light source: Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m3 of particulate matter. Time varies depending on usage conditions and environments. Replacement of parts other than the light source may be required in a shorter period.
3 No maintenance for the light source required up to 20,000H.

Powerful & Compact

Native 4K† Panel

One single chip, 1.03-inch native 4K panel delivers ultra-high definition image quality with a native resolution of 3840x2160. The panel with its 6 μm pixel-pitch is designed by Epson and manufactured to the highest standards in Epson Japanese factories.

4K†

3LCD

3LCD panel

4K

Total Liquid Cooling System

A newly developed liquid cooling system maintains optimal temperatures of key optical elements. The inorganic LCD panels, inorganic phosphor wheel and laser light source are kept at optimal temperature no matter how the projector is installed. This efficient cooling system contributes to minimising body size and noise.

Optical engine

Radiator

Cold plate

Total liquid cooling system

620 mm

280 mm

48 kg* (TBD)

720 mm

* EB-L20000UNL
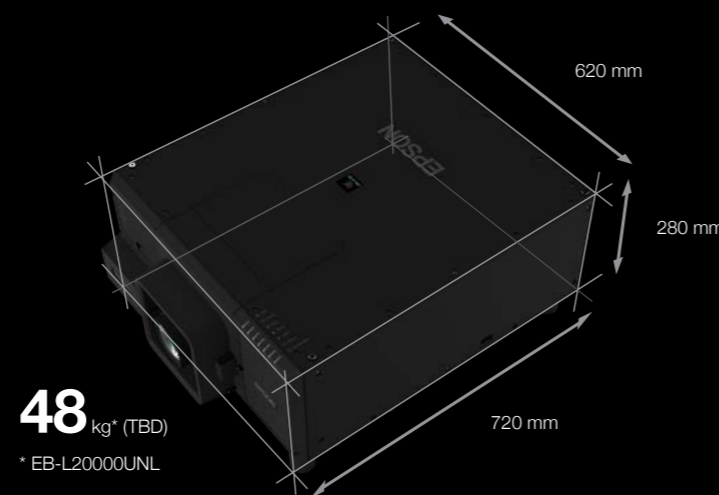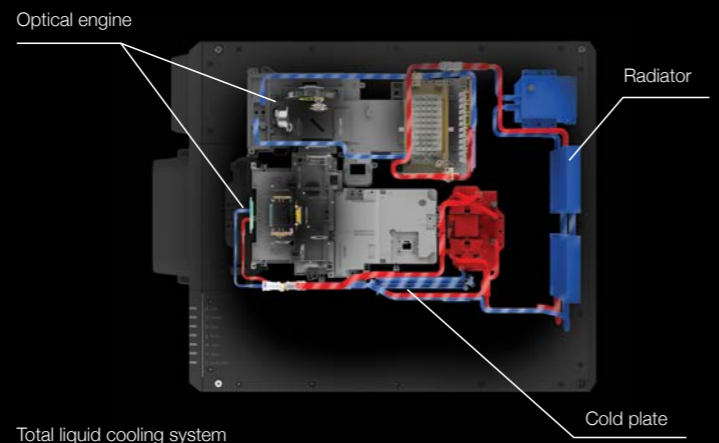
20,000-Hour Maintenance Free

A newly designed laser light source and advanced electrostatic filter deliver 20,000 hours* of maintenance-free for the laser light source only.

Inorganic LCD panels and an inorganic phosphor wheel combine with a dust-proof design for 20,000 hours of warranty†. Additionally, the laser light source is highly reliable, eliminating the worry of the light burning out during important presentations.
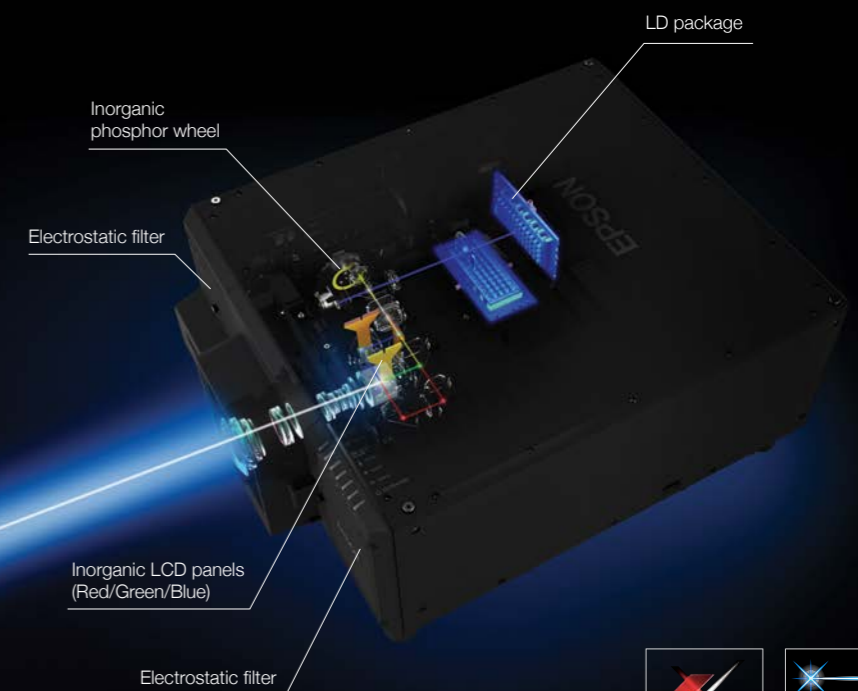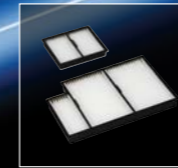
Inorganic LCD panels

LD package

Inorganic phosphor wheel

LD (laser diode) package

Electrostatic filter

Inorganic LCD panels (Red/Green/Blue)

Inorganic phosphor wheel

Electrostatic filter

Electrostatic filters

3LCD

LASER LIGHT SOURCE

* 20,000H life for laser light source : Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 ~ 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environments. Replacement of parts other than the light source may be required in a shorter period.

† Three years or 20,000 hours, whichever comes first.

† Only for EB-L12000QNL.

Powerful & Compact

High Contrast Ratio

Add brilliance to your presentations. Boasting stunning brightness of up to 20,000 lumens and a high contrast ratio of 2,5000,000:1, these projectors enable you to project beautiful, well-defined images wherever you are, regardless of ambient light.

Up to
20,000lm
Colour Light Output

2,5000,000:1
Contrast

Light-Out Control

You can control the laser light source, turning it on or off based on the black level value of the video signal.

Input signal

Brightness: 5%

Light source on

Brightness: 0%

Light source off
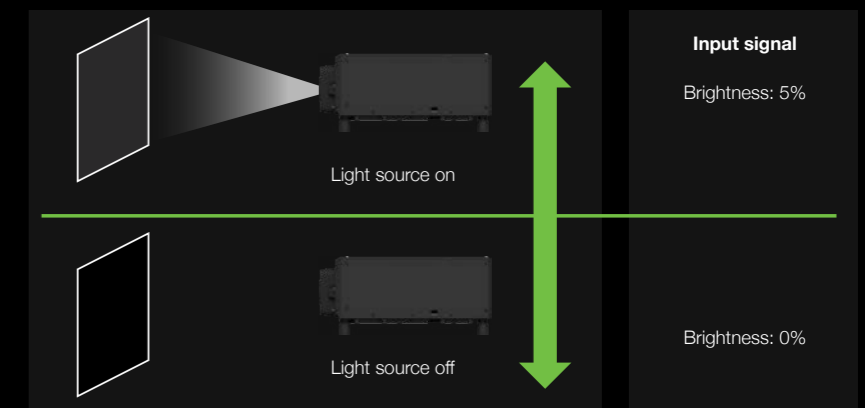
Frame Interpolation*

By analysing frame-by-frame then generating intermediate frames for 100Hz/120Hz frame rate, EB-L20000UNL delivers smooth video with less after images, even when projecting sports and other fast-moving content.

* Only for EB-L20000UNL.
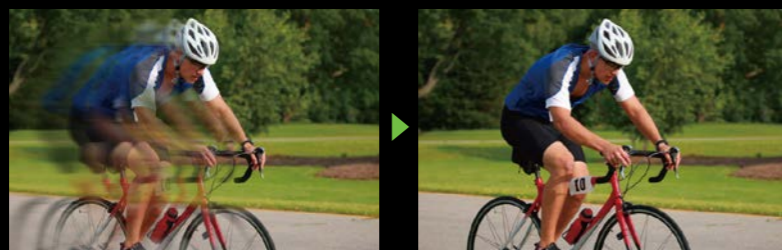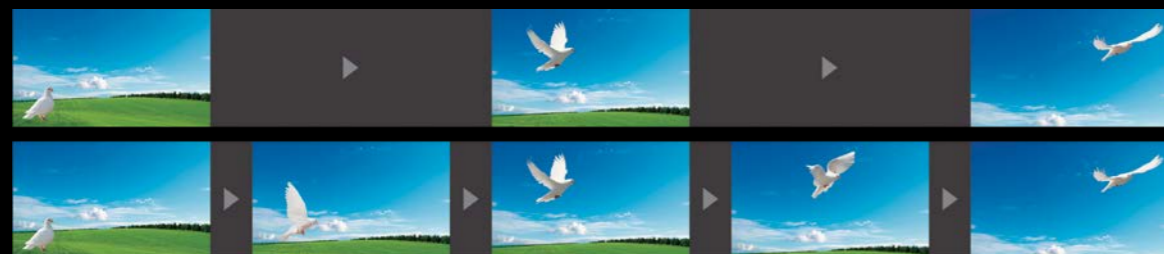
* Simulated images

High Dynamic Range

EB-L12000QNL/L20000UNL supports HDR10 and Hybrid Log Gamma for dynamic output over a broad tonal range with a minimum of white or black spotting.

SDR (standard dynamic range)

HDR (high dynamic range)

* Simulated images

Image Enhancement

Epson's unique high-quality image signal processing maintains edge crisp and highly detailed edges.

Without image enhancement technology
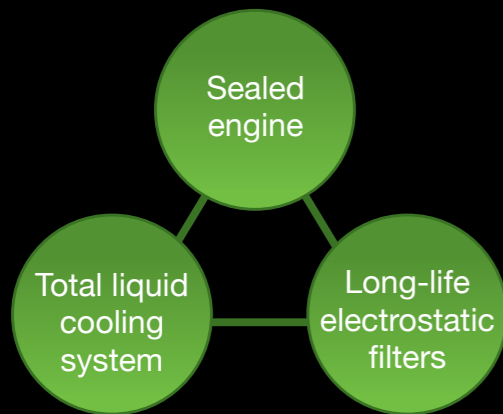
With image enhancement technology

* Simulated images

Reliable Performance

Triple-Layer Dustproof Structure

EB-L12000QNL/L20000UNL has three layers of protection for excellent durability and dust-resistance. The light source and optical elements are both sealed, and the newly developed total liquid cooling system splits airflow while reducing incoming air to the optical engine by 86%* compared to conventional models[†]. In addition, replaceable 20,000-hour[^], maintenance-free electrostatic filters cut dust intake to miniscule levels.

- Sealed engine
- Total liquid cooling system
- Long-life electrostatic filters

TRIPLE-LAYER
DUSTPROOF STRUCTURE

86% Reduced Airflow And Sealed Engine

The total cooling system takes in air independently for both the radiator and power supply. This reduces airflow to the optical engine by 86%* compared to conventional models. With lesser airflow, there is lesser chance of dust penetration into the machine.

Optical engine

Sealed Optical Engine

Key optical components, including the inorganic panel, inorganic phosphor wheel and laser bank are sealed to prevent contamination by dust or smoke*.

Optical engine
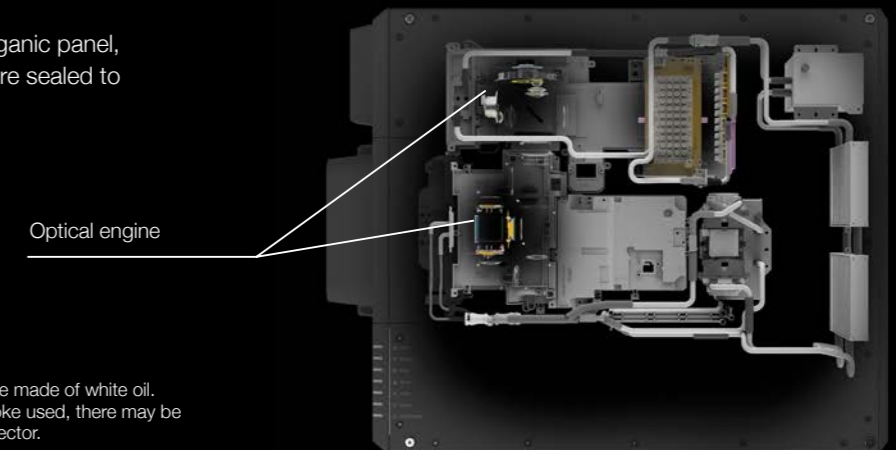
* Measured by acceleration test assuming use of smoke made of white oil. Depending on the usage conditions and types of smoke used, there may be a case to clean up or replace components of the projector.

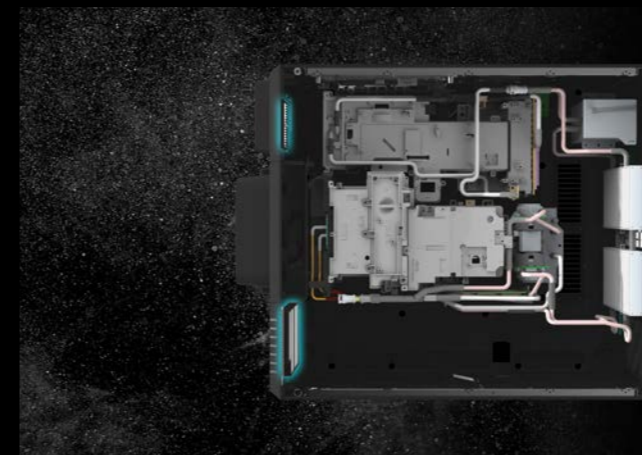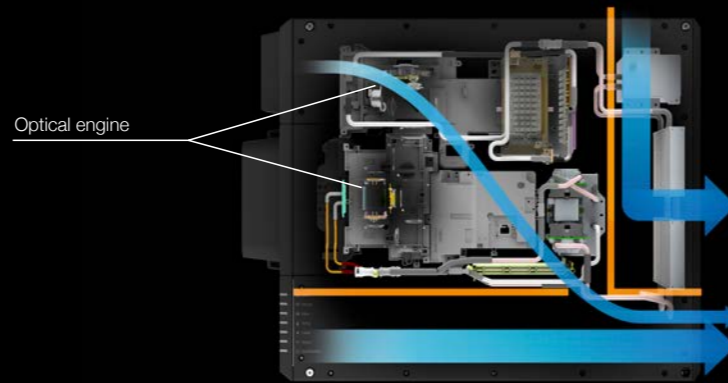## Long-Life, Replaceable Electrostatic Filters

Electrostatic filters give you 20,000 hours* of maintenance-free use and vastly reduce incoming dust impairing optical components.

Robust Body

The adoption of a pipe frame and baseplate structure has greatly improved the durability of the casing. By redesign the internal structure, we achieved the compact and lightweight design for easy installation.

* Compared with EB-L25000U. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m3 of particulate matter. Results may vary depending on usage conditions.
^ 20,000H life for laser light source : Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environments. Replacement of parts other than the light source may be required in a shorter period.

* 20,000H life for laser light source : Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environments. Replacement of parts other than the light source may be required in a shorter period.

Reliable Performance

Status Monitor

Quickly check the signal, voltage and network information via the monitor.

Constant Brightness

Maintaining a specific brightness over a prolonged period of time, depending on the application, offers increased flexibility. Venues such as an art museum can take advantage of this feature in situations where constant brightness is a must.

Custom Brightness

EB-L12000QNL/L20000UNL provides precise brightness adjustment in increments of 1%. This makes it easy to adjust the brightness to fit to your viewing environment, and can prolong projector life.

* Approximate time until brightness decreases 50% from first usage.
  Time varies depending on usage conditions and environments.

Power Supply Log

Monitor and log times with drops in voltage. The ability to log up to 30 voltage drops can help determine the cause of unexpected shutdowns.

Settings On Standby

Configure IP settings and reset default values without powering up.

Mechanical Shutter

The mechanical shutter inside the unit is protected against damage from laser lights that are sometimes part of lightshows.

Custom mode with constant brightness

Brightness

Customisable brightness	
100%	
85%	6,000h
70%	19,000h
50%	41,000h
30%	78,000

20,000h 40,000h 60,000h 80,000h

Maintenance-free

Custom brightness

Brightness

Customisable brightness	
100%	20,000 hours
90%	21,000 hours
80%	24,000 hours
70%	30,000 hours

5,000h 10,000h 15,000h 20,000h 25,000h 30,000h

Light source life

Zero Offset, Ultra Short-Throw Lens

This lens is especially useful for environments with extremely limited lens-to-screen distances. Ultra Short Throw Ratio of 0.35 and the zero-offset, bending optical system enables projection onto 100" projection at 74cm away. These features combine with lens shift* to simplify operation and expand usability.

* With EB-L12000QNL, Horizontal: -10% to +10% / Vertical: +45% to +68%
* With EB-L20000UNL, Horizontal: -15% to +15% / Vertical: +45% to +70%

Zero-offset
(Home position)

Larger image from shorter distances, plus added installation flexibility
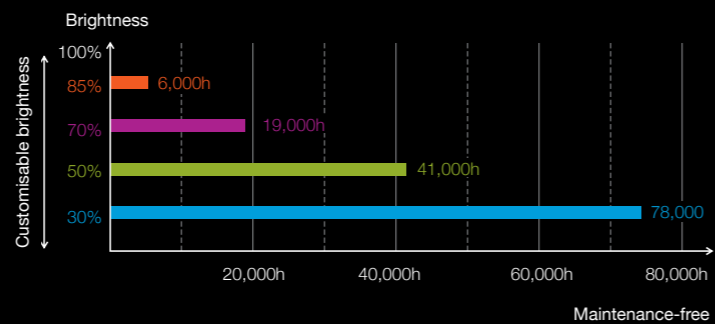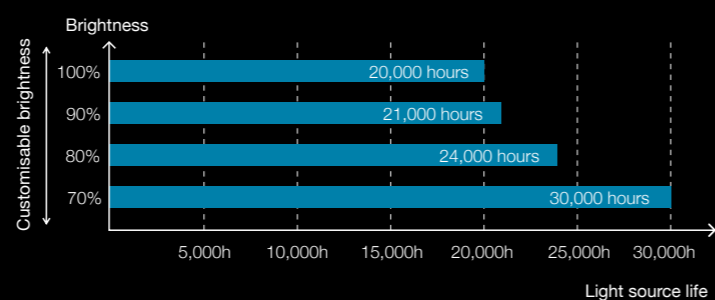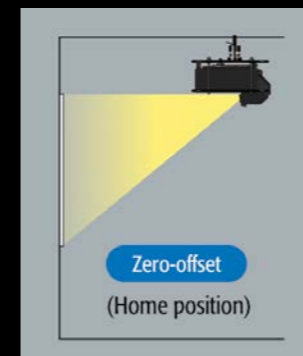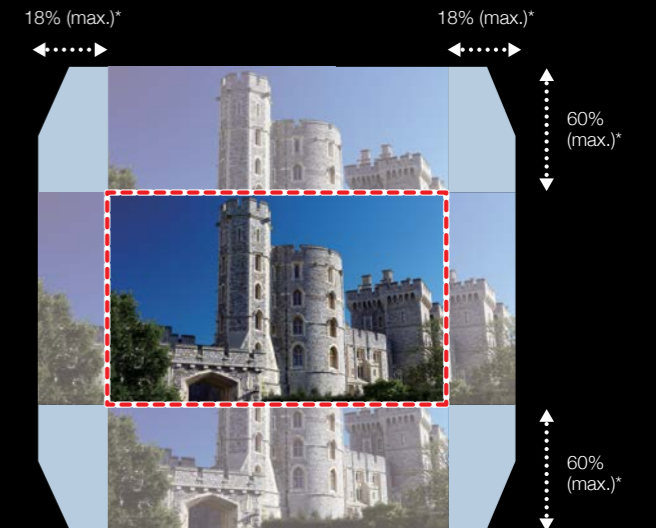
Wider Lens Shift Range

The extremely wide-ranging lens shift was realised through a change in design and careful consideration of the lens and optical engine combination. Furthermore, the adoption of an improved stepping motor for the range shift mechanism allows for more precise adjustment.

Lens shift range

18% (max.)*   18% (max.)*
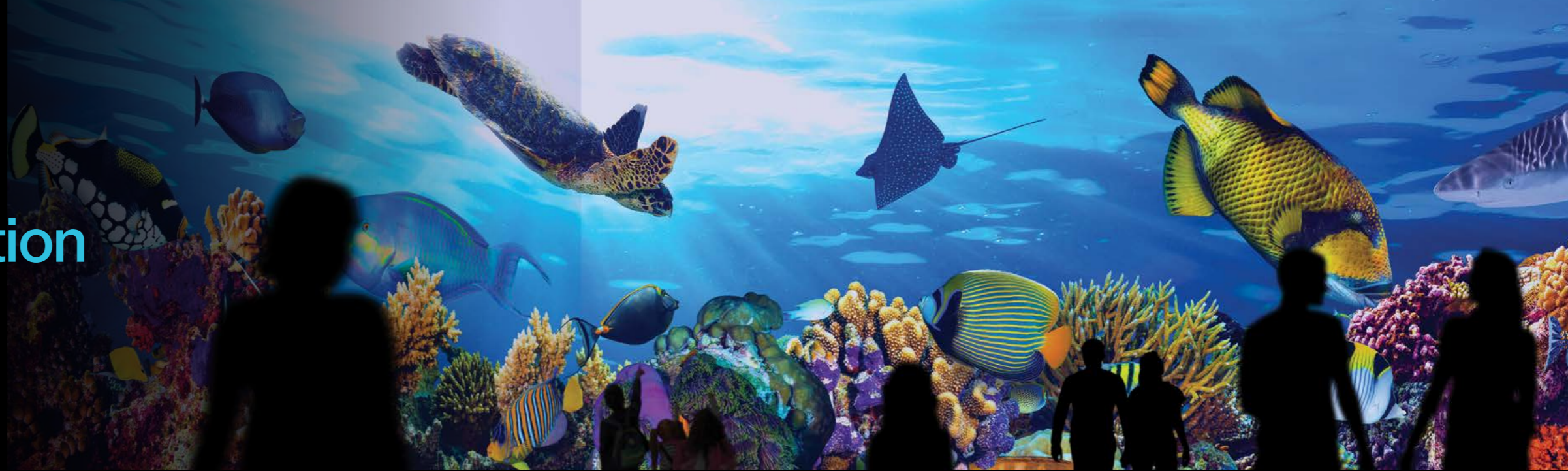
60% (max.)*

60% (max.)*

* When using the ELPLM15 lens
* 58% (max.) vertically; 16% (max.) horizontally for EB-L12000QNL
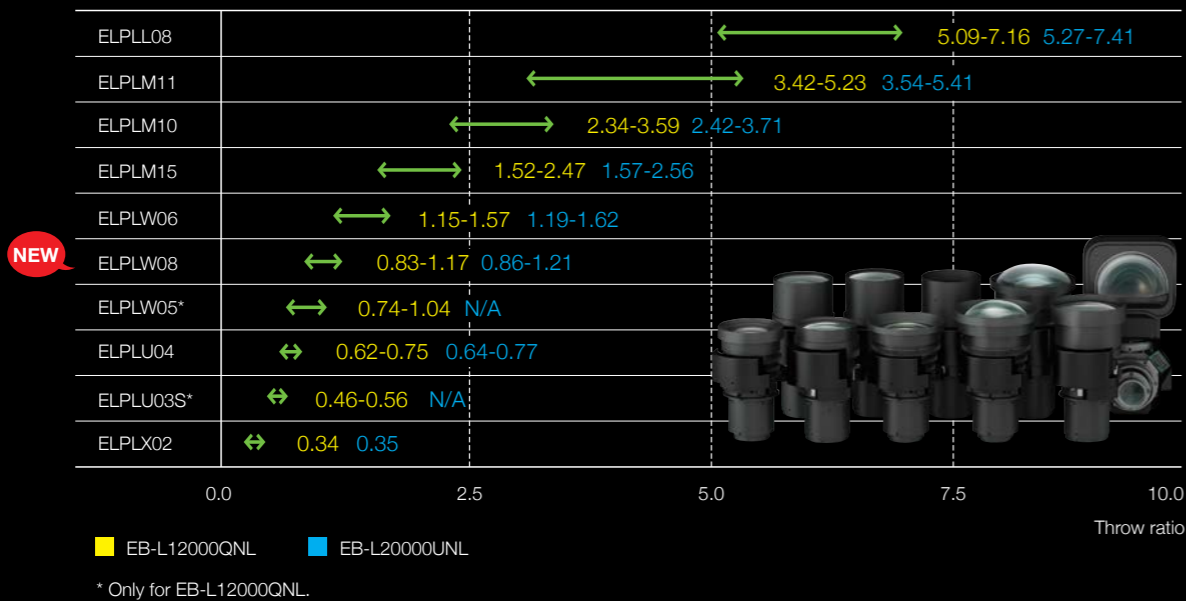
Powered Lens Lens Position Memory

Up to 10 settings can be stored in the projector memory, including shift positions, focus adjustments and projection sizes.

Higher Installation Flexibility

Wide-Range Of Optical Lenses

An extensive line up of optional lenses is available for any venue or subject.

	Throw ratio	EB-L12000QNL	EB-L20000UNL
ELPLL08		5.09-7.16	5.27-7.41
ELPLM11		3.42-5.23	3.54-5.41
ELPLM10		2.34-3.59	2.42-3.71
ELPLM15		1.52-2.47	1.57-2.56
ELPLW06		1.15-1.57	1.19-1.62
ELPLW08		0.83-1.17	0.86-1.21
ELPLW05*		0.74-1.04	N/A
ELPLU04		0.62-0.75	0.64-0.77
ELPLU03S*		0.46-0.56	N/A
ELPLX02		0.34	0.35

NEW (ELPLW08)

Throw ratio: 0.0 2.5 5.0 7.5 10.0

- ■ EB-L12000QNL
- ■ EB-L20000UNL

* Only for EB-L12000QNL.

Multiple Interfaces

The LAN terminal is a robust, lockable etherCON connector for firm connections even after repeated use. Also, EB-L12000QNL supports 12G SDI* to project 4K images using one cable and outputting a 12G signal from the output terminal. The optional ELPIF03 interface board has a DisplayPort connector that supports 4K – 120 Hz signals.
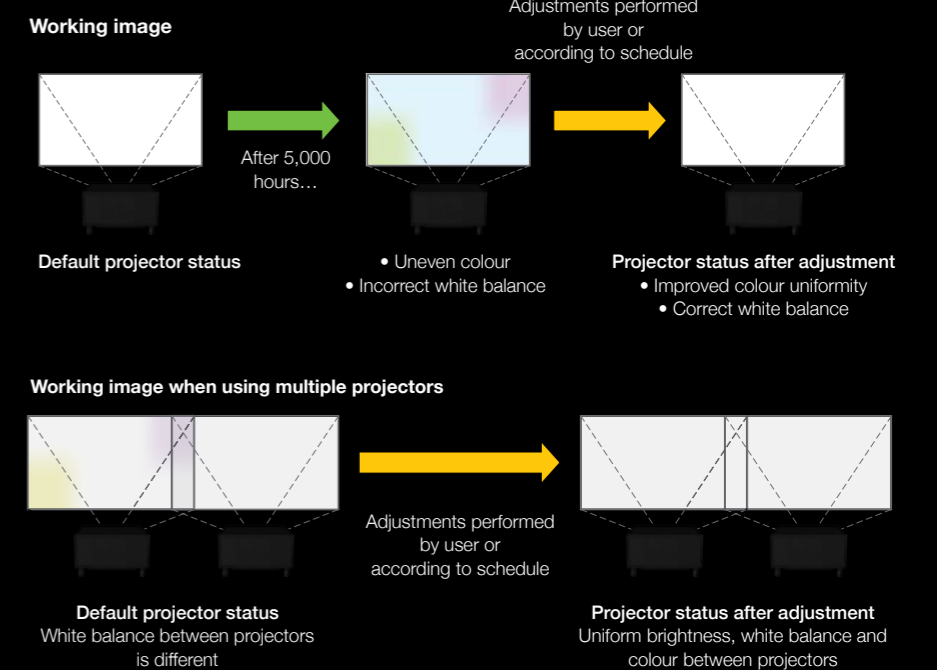
* Only SDI terminal 1

Auto Geometry Correction with Built-In Camera

The built-in camera detects images that are not projected correctly, allowing the projector to automatically correct a variety of geometry corrections like corner and curved projections.

Built-in camera

Auto-Colour Adjustment

The built-in camera detects subtle colour inconsistencies between multiple projectors. It detects screens that have become unevenly coloured over time, allowing the projector to automatically correct colour. This function can be set to check colour manually or automatically at regular intervals to deliver stable image quality with minimal maintenance.

Working image

Adjustments performed by user or according to schedule

After 5,000 hours…

Default projector status

- Uneven colour
- Incorrect white balance

Projector status after adjustment
- Improved colour uniformity
- Correct white balance

Working image when using multiple projectors

Adjustments performed by user or according to schedule

Default projector status
White balance between projectors is different

Projector status after adjustment
Uniform brightness, white balance and colour between projectors

Higher Installation Flexibility

Epson Projector Professional Tool

The projectors are bundled with Epson Projector Professional Tool software that simplifies setup of multi-projector installations, offering intuitive geometry correction such as edge-blending and corrections for curved surfaces. The software also lets you control colour-matching and brightness.
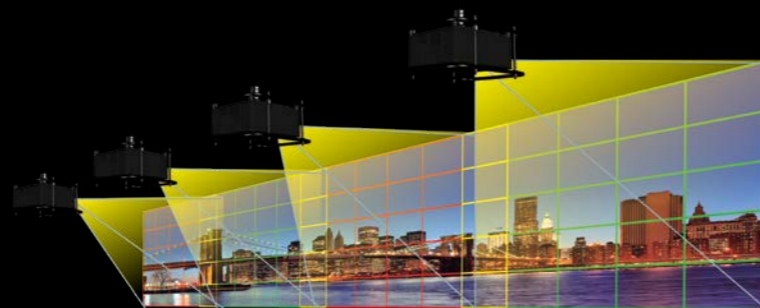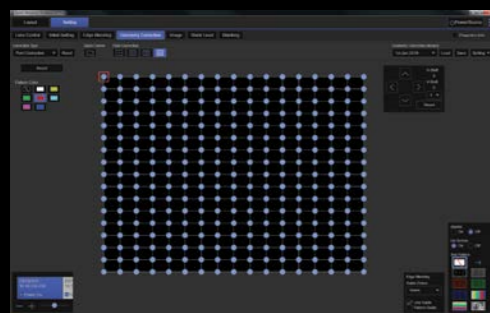
Tiling Assist

The built-in camera automatically compensates for overlapping areas and corner positions to deliver seamless multi-projector displays, making big-screen projections a snap.

Interface Slot For Expansion

Interface slots allow for a variety of custom hardware according to your usage. Additionally, it allows for new interfaces and interface updates in the future.

ELPIF01: HDMI/DVI
ELPIF02: SDI*
ELPIF03: Display port
* Only for EB-L12000QNL

Web Control With Multi-Device Support

Use a computer web browser or smart devices to adjust projector settings. The newly designed OSD Control Pad function allows control of the OSD menu and even shows a representation of the lens-condition on a smart device.

Epson Projector Management

Using Epson Projector Management allows you to monitor and control multiple network connected projectors (up to 2,000 units) using a computer with easy to use GUI. A projector's power status, irregularities, warnings, etc. can all be determined visually through the use of icons or you can choose to be notified by email of any projector anomalies.
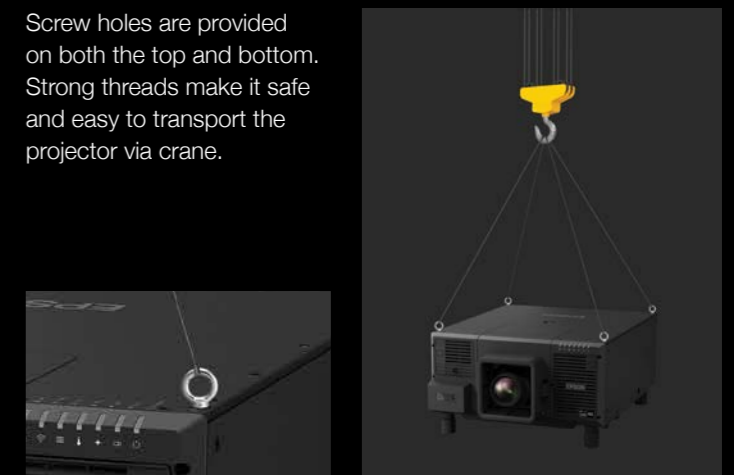
Multi-Directional Projection

EB-L12000QNL/L20000UNL can be rotated 360° in any direction — horizontally, vertically and rotationally — without any loss in image brightness.
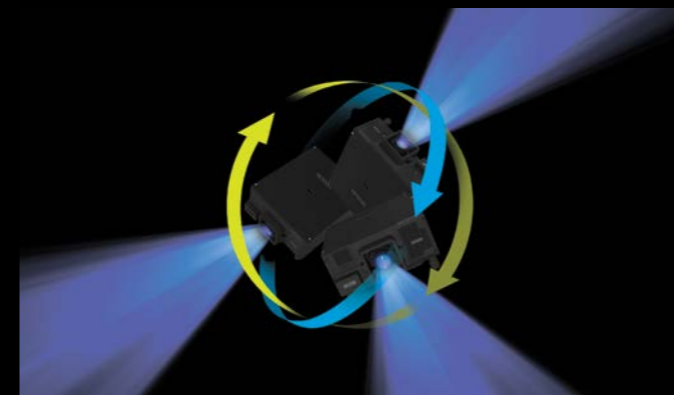
Screw Holes For Eyebolts

Screw holes are provided on both the top and bottom. Strong threads make it safe and easy to transport the projector via crane.

Higher Installation Flexibility

EB-L20000UNL

Wide Range of Connectivity

EB-L12000QNL/L20000UNL is compatible with a wide range of external devices, and additional ports now include DVI-D, HDMI, HDBaseT and SDI*. Ideal for large venues, HDBaseT can transmit Full HD video, audio and Ethernet at low cost through cat 5e/6 cables up to 100 metres.

* EB-L12000QNL's SDI port will be found in ELPIF02.

DMX-ArtNet

EB-L12000QNL/L20000UNL supports DMX-ArtNet for synchronising lighting effects (such as pre-programmed sequences) with audio.

Eco Features

- Uses just 0.5W of power in standby mode
- Projector optics employ lead-free lenses
- Unpainted plastic housing reduces the environment impact
- The flame retardants used in the plastic housing do not contain chlorine or bromine

Better Products for a Better Future™

For more information on Epson's environmental programmes, visit **http://global.epson.com/SR/environment.**

PARTNERS IN PERFECTION

HDBaseT Transmitter ELPHD01

HDMI Input
RS232C for control
LAN for Ethernet
Allows Full HD uncompressed signal transmission up to 100 meters

ELPLX02

Ultra Short Throw Lens
Throw Ratio: 0.35
Screen Size of up to 1000" Diagonal
Vertical & Horizontal Lens Shift

Interface Board ELPIF03

2x Display Port
HDCP 2.2
Uncompressed signal transmission beyond Full HD Resolution

LENS SPECIFICATIONS
EB-L12000QNL/L20000UNL

Product Image					
Model	Ultra Short Throw Lens (ELPLX02)	Zoom Lens (ELPLU03S)^	Zoom Lens (ELPLU04)	Zoom Lens (ELPLW05)^	Zoom Lens (ELPLW06)
Product Code	V12H004X02	V12H004UA3	V12H004U04	V12H004W05	V12H004W06
Specification of Main Parts					
Projection Lens					
Type	Powered : Focus / Distortion		Powered : Zoom / Focus / Distortion		Powered : Zoom / Focus
F-Number	1.9	2.0 - 2.3	2.0 - 2.1	2.0 - 2.2	1.8 - 2.3
Focal Length	8.0mm	11.1 - 13.1 mm	14.8 - 17.7 mm	17.6 - 24.3 mm	27.3 - 37.0 mm
Zoom Ratio	N/A	1 - 1.2		1 - 1.4	
Dimension (Diameter of Zoom Ring x Length)	380 x 340 x 210 mm	150 x 240 mm	150 x 267 mm	135 x 200.5 mm	129.8 x 236 mm
Weight	5000g	1800g	3100g	1450g	2950g
Position Sensor			Yes		
Lens ID			Yes		
Connector			24Pin		
Lens Exchange Correspondence			Yes		
Screen Size (Projected Distance)	100" - 1000 '' [0.73 - 7.64 m] Throw ratio 0.34	80" - 1000" [0.80 - 10.38 m] (Zoom: Wide) 80" - 1000" [0.97 - 12.48 m] (Zoom: Tele) Throw ratio 0.46 - 0.56	60" - 1000" [0.79 - 14.00 m] (Zoom: Wide) 60" - 1000" [0.96 - 16.87 m] (Zoom: Tele) Throw ratio 0.62 - 0.75	60" - 1000" [0.94 - 16.85 m] (Zoom: Wide) 60" to 500" [1.34 - 23.29 m] (Zoom: Tele) Throw ratio 0.74 - 1.04	60" to 1000" [1.48 - 5.90 m] (Zoom: Wide) 60" to 1000" [2.05 - 35.20 m] (Zoom: Tele) Throw ratio 1.15 - 1.57
Lens Shift Range	Powered Vertical: +45% to +68% (H Center) Horizontal: ±10% (V Center)	Powered Vertical: ±18% (H Center) Horizontal: ±6% (V Center)	Powered Vertical: ±58% (H Center) Horizontal: ±16% (V Center)	Powered Vertical: ±18% (H Center) Horizontal: ±6% (V Center)	Powered Vertical: ±58% (H Center) Horizontal: ±16% (V Center)
Operating Temperature	0 - 50°C	0 - 45 °C	0 - 50°C	0 - 45 °C	
Storage Temperature			-10 - 60 °C		
Operating Angle of Tilt			360°		
Light Output (Brightness) *					
H832	10,700lm	10,200lm	10,800lm	10,400lm	11,700lm

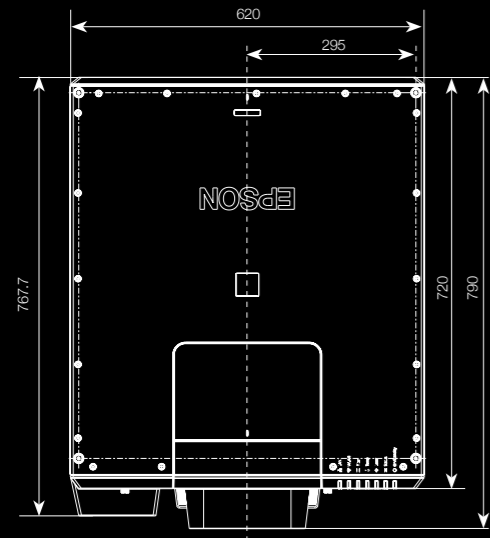* Reference value: Colour Mode - Dynamic, Zoom - Wide, Lens Shift - V/H Center
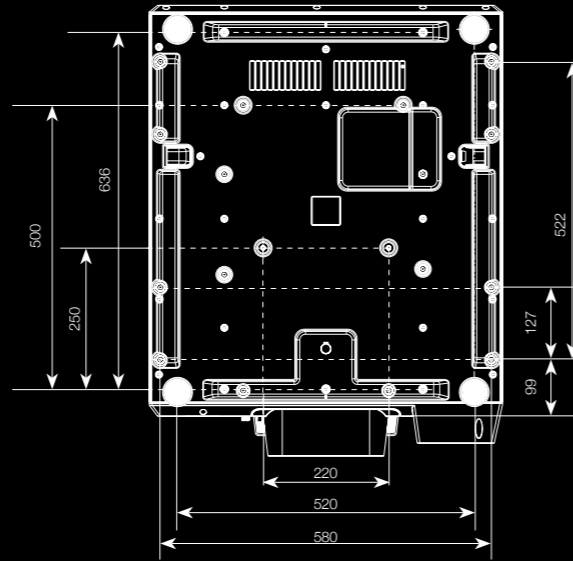
^ Applicable for EB-L12000QNL only.

Product Image					
Model	Zoom Lens (ELPLW08)	Zoom Lens (ELPLM15)	Zoom Lens (ELPLM10)	Zoom Lens (ELPLM11)	Zoom Lens (ELPLL08)
Product Code	V12H004W08	V12H004M0F	V12H004M0A	V12H004M0B	V12H004L08
Specification of Main Parts					
Projection Lens					
Type			Powered : Zoom / Focus		
F-Number	2.0 - 2.3	1.8 - 2.35	1.8 - 2.4		1.8 - 2.5
Focal Length	19.71 - 27.48 mm	36.0 - 57.4 mm	55.4 - 83.3 mm	80.6 - 121.1 mm	119.0 - 165.4 mm
Zoom Ratio	1 - 1.4	1 - 1.6	1 - 1.5		1 - 1.4
Dimension (Diameter of Zoom Ring x Length)	139.5 x 248 mm	111.2 x 202 mm	104 x 243 mm	104 x 245 mm	104 x 247 mm
Weight(g)	3100g	1900g	2200g		
Position Sensor			Yes		
Lens ID			Yes		
Connector			24Pin		
Lens Exchange Correspondence			Yes		
Screen Size (Projected Distance)	60" - 1000" [1.08 - 18.65m] (Zoom: Wide) 60" - 1000" [1.53 - 26.23 m] (Zoom: Tele) Throw ratio 0.83 - 1.17	60" - 1000" [1.98 - 34.19 m] (Zoom: Wide) 60" - 1000" [3.24 - 55.28 m] (Zoom: Tele) Throw ratio 1.52 - 2.47	60" - 1000" [3.04 - 52.77 m] (Zoom: Wide) 60" - 1000" [4.70 - 80.35 m] (Zoom: Tele) Throw ratio 2.34 - 3.59	60" - 1000" [4.41 - 77.32 m] (Zoom: Wide) 60" - 1000" [6.82 - 117.30 m] (Zoom: Tele) Throw ratio 3.42 - 5.23	60" - 1000" [6.59 - 114.91 m] (Zoom: Wide) 60" - 1000" [9.34 - 160.70m] (Zoom: Tele) Throw ratio 5.09 - 7.16
Lens Shift Range			Powered Vertical: ±58% (H Center) Horizontal: ±16% (V Center)		
Storage Temperature			-10 - 60 °C		
Operating Angle of Tilt			360°		
Light Output (Brightness) *					
H832	11,500lm	12,000lm	11,400lm	11,200lm	

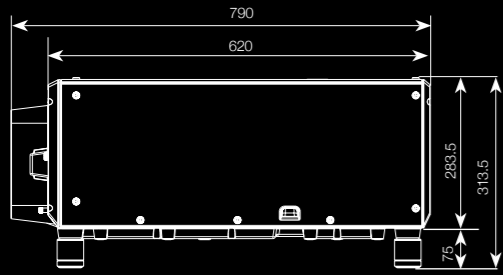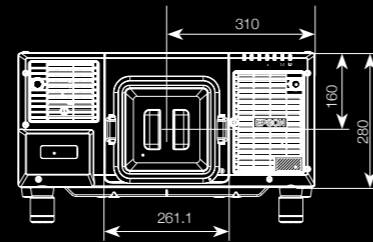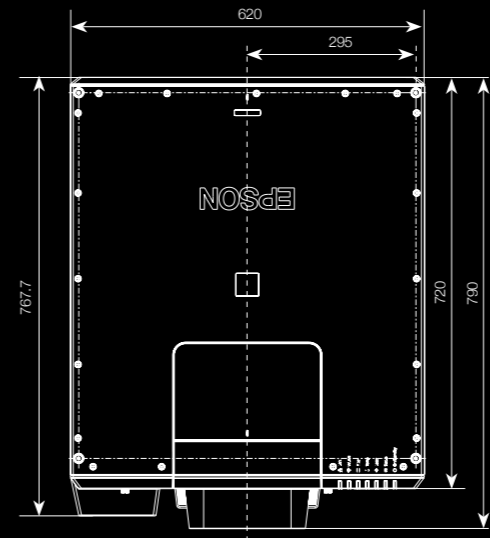* Reference value: Colour Mode - Dynamic, Zoom - Wide, Lens Shift - V/H Center
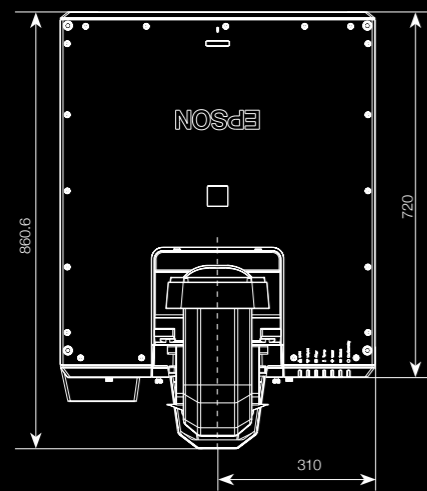
EB-L12000QNL
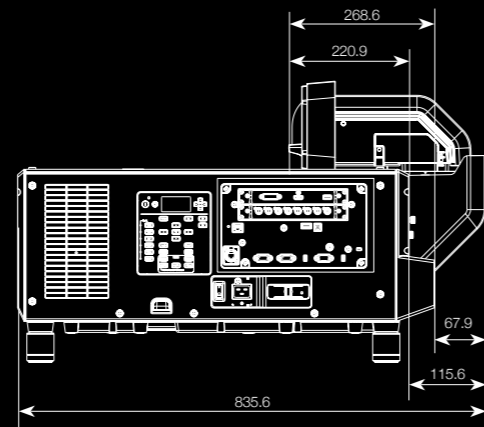
Top View

Bottom View

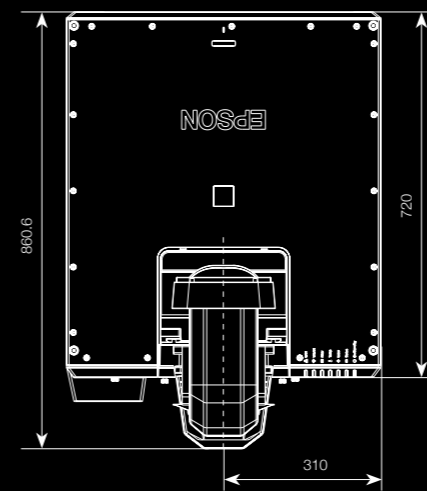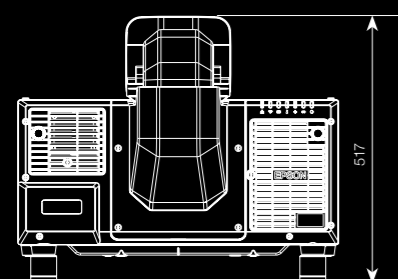**Side View**

Front View

Top View (With ELPX02 lens)

Side View (With ELPX02 lens)

Front View (With ELPX02 lens)

Back View (With ELPX02 lens)

EB-L20000UNL

Top View

Bottom View

Side View

Front View

Top View (With ELPX02 lens)

Side View (With ELPX02 lens)

Front View (With ELPX02 lens)

Back View (With ELPX02 lens)

MODEL NUMBER		EB-L12000QNL	EB-L20000UNL
Projection Technology		RGB liquid crystal shutter projection system	
Specifications of Main Parts			
LCD	Size	1.04" (D11)	1.03" (D11)
	Native Resolution	4K (3840 x 2160) 4K (3844 x 2164) *Margin pixels included	WUXGA (1920x1200)
Projection Lens			
	Type	Power Zoom, Power Focus	
	F-Number	1.8 - 2.3	
	Focal Length	36.0 - 57.3 mm	
	Zoom Ratio	1 - 1.61	
	Throw Ratio	1.52 - 2.47	1.57 - 2.56
	Lens Exchange	Yes	
	Lens Shift	Mode	Powered	
	Vertical (Up/Down)	±58 %	±60 %
	Horizontal (Left/Right)	±16 %	±18 %
Light Source	Type	Laser Diode	
	Life (Normal/Eco)	20,000 / 30,000 hours	
Screen Size (Projected Distance)			
Zoom: Wide		60" - 1000 " [1.98 - 34.19 m]	60" - 1000" [1.99 - 34.43 m]
Zoom: Tele		60" - 1000" [3.24 - 55.28 m]	60" - 1000" [3.26 - 55.63 m]
Brightness *1			
White Light Output (Normal/Eco)		12,000 / 8,400 lm	20,000 / 14,000 lm
Colour Light Output		12,000 lm	20,000 lm
Contrast Ratio		Over 2,500,000:1	
Geometric Correction			
Vertical/Horizontal Keystone		±45° / ±30°	±44° / ±30°
Quick Corner		Yes	
Curve Surface		Yes	
Point Correction		Yes	
Corner Wall		Yes	
Connectivity			
Analog Input	Mini D-Sub 15Pin	1	
	BNC	N/A	1
Digital Input	HDBaseT	1 (RJ45)	
	SDI	N/A	1 (SD-SDI, HD-SDI, 3G-SDI)
Expansion Interface Slot			
	Quantity	2	
	Factory Set	Slot 1: ELPIF01 (HDMI & DVI-D) Slot 2: ELPIF02 (SDI)	Slot 1: ELPIF01 (HDMI & DVI-D) Slot 2: Blank
Expansion Interface Board			
ELPIF01	HDMI	1 (HDMI 19p)	
	DVI-D	1	
	DC Out	1 (500mA)	
ELPIF02	SDI In	4 (SD-SDI, HD-SDI, 3G-SDI, 12G-SDI)	Not Supported
	SDI Out	4 (SD-SDI, HD-SDI, 3G-SDI, 12G-SDI)	Not Supported
ELPIF03	DisplayPort In	2	
Analog Output	Mini D-Sub 15Pin	1	
Digital Output	BNC	N/A	1
Others	USB Type A	1 (for Firmware Update, Copy OSD Settings, DC Out 900mA)	
	USB Type B	1 (for Firmware Update, Copy OSD Settings)	
Control I/O	RS-232C	1	
	Remote Control Input	1 (Stereo Mini)	
Network	Wired LAN	RJ45 x1 (etherCON)	
	Wireless	1	
Wireless Specification			
Supported Speed for Each Mode		IEEE 802.11b (2.4GHz): 11 Mbps*2 IEEE 802.11g (2.4GHz): 54 Mbps *2 IEEE 802.11n (2.4GHz): 130 Mbps*2 IEEE 802.11a (5GHz): 54 Mbps *2 IEEE 802.11n (5GHz): 270 Mbps *2	
Wireless LAN Security		Quick Mode: OPEN, WPA2-PSK, Advanced Mode: OPEN, WPA/WPA2-PSK, WPA-Enterprise	
Operating Temperature		0 - 50 °C <32 - 122 °F> (low altitude) 0 - 45 °C <32° - 113 °F> (high altitude)	
Operating Altitude		0 - 3,048 m (0 - 10,000 ft)	
Direct Power On/Off		Yes	
Start-Up Period		Less than 26 seconds, Warm-up period: 30 seconds	Less than 16 seconds, Warm-up period: 30 seconds
Cool Down Period		Instant Off or 0 second	
Air Filter	Maintenance Cycle	20,000 hours *3	
Power Supply Voltage		100 - 120 V AC, 200 - 240 V AC +/- 10 %, 50/60 Hz	
Power Consumption (200-240V)			
Lamp On (Normal / Eco)		1741W / 1030W	1860W / 1123W
Standby (Network On / Off)		2W / 0.5W	
Dimension Excluding Feet (D x W x H)		720 x 620 x 280 mm	
Weight		Approx. 113.3 lbs. / 51.4 kg	Approx. 109.3 lbs. / 49.6 kg
Fan Noise (Normal / Eco)		45 / 38 dB	

*1 Color brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

*2 Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

*3 20,000H life for laser light source : Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environments. Replacement of parts other than the light source may be required in a shorter period.

Supplied Accessories
Power Cable
Remote Control
Battery for Remote Control (AA x 2)
Owner's Manual CD ROM
Lens Connector Cap*

Optional Accessories
Air filter: ELPAF58
Remote Control Cable Set (10m x 2): ELPKC28
HDBaseT Transmitter: ELPHD01
Interface board: ELPIF01, ELPIF02*, ELPIF03
Ceiling Mount: ELPMB47, ELPMB48

Optional Lenses
Ultra Short Throw Zoom Lens: ELPLX02
Zoom Lens: ELPLU03S*, ELPLU04, ELPLW05*, ELPLW06, ELPLL08, ELPLW08, ELPLM10, ELPLM11, ELPLM15

* Only applicable for L12000QNL

EB-L12000QNL

EB-L20000UNL

Sales Enquiries
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For latest specifications, visit **www.epson.com.sg/highbrightness** or call **+65 800 120 5564.**

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