EPSON

Epson EB-PU2010BNL

+ ENLARGE IMAGE

Installation Multimedia Projectors

Take Image Quality to New Levels with Epson's Game Changing Laser Projector

Distance Calculator

Printer Friendly Specs

📍 Where to Buy

Overview

KEY FEATURES & BENEFITS

NEW Up to 10,000 lumens – deliver captivating images in virtually any venue

Laser light source – experience astonishing quality and reliability

Up to 3x brighter colours, and reliable performance[1] – 3LCD, 3-chip technology

2,500,000:1 contrast ratio – for lifelike images and remarkable detail in dark scenes

4K enhancement - go beyond high definition with 4K enhancement and native WUXGA (1920 x 1200) resolution for presentations, videos, digital signage and more

NEW High dynamic range - faithfully reproduce HDR content for an exceptional visual performance

NEW Gamma correction – automatically adjusts the image based on scene images frame by frame for optimum contrast

NEW NFC feature & *NEW* Epson Configuration Tool App – collect essential projector information by simply tapping a mobile phone on the back of projector

NEW High-performance options – external high capacity air filter ELPAF63 and light weight ceiling mount ELPMB67 and extension pole ELPFP15

NEW External camera – ELPEC01 automatically calibrates image with Epson Professional Tool software

NEW SDI in & out – daisy chain ability allows the simplest stacking without requiring an additional PC or a splitter (SDI connectivity is only available on EB-PU2010B/W)

NEW Art-Net support – synchronise image brightness with the stage and theatre lighting effects.

Professional tool - efficiently setup multiple projectors straight out of the box with new large venue application software

Colour uniformity - keep images consistent and maintenance to a minimum with automatic colour correction (automatic calibration is supported only with ELPEC01)

Edge blending - combine multiple individual images to create one seamless giant image

Wireless LAN Enterprise Security - connect projectors in a secure wireless network environment

HDBaseT - transmit full HD video and audio, Ethernet and Serial communication through a single CAT 5/6 cable that can be extended up to 100m

360° installation - install on any plane, from horizontal to vertical and everything in-between

Powered lens shift, zoom and focus - project perfectly uniform images with a new stepping motor and store up to 10 lens settings

Eleven optional lenses[2] - choose the ideal powered lens for your venue from a wide range including ultra-short throw and long throw

Content playback - create engaging digital experiences with Epson content management software and playback contents saved on USB drive.

5 year projector warranty[3] - A class leading 20,000 hour or 5 year warranty

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[1]*Colour brightness (colour light output) in brightest mode, measured by a third-party lab in accordance with IDMS 15.4. colour brightness will vary depending on usage conditions. Top-selling Epson 3LCD projectors versus top-selling 1-chip DLP projectors based on NPD sales data for October 2019 through September 2020.*
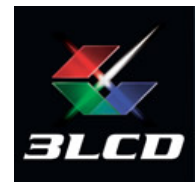[2]*Please refer to lens compatibility chart*
[3]*Whichever occurs first, see **www.epson.com.au** for full warranty terms and conditions.*

HIGH IMAGE QUALITY

3LCD technology

All Epson projectors are based on 3-chip LCD technology for amazing colour, incredible detail and solid reliability. 3LCD's 3-chip architecture dedicates an entire chip to process each primary colour – red, green and blue, continuously. Unlike single-chip technology that delivers colour sequentially, you get full-time colour. The result is vibrant, realistic images and video all delivered with 3LCD's true-to-life colour.

Up to 3x brighter colours with Epson projectors*

Epson projectors use 3LCD engines that have no colour wheel with a white segment and therefore don't force a tradeoff between white and colour brightness.

In fact, Epson projectors have up to 3x brighter colours than their leading competitive 1-chip DLP projectors*. All Epson projectors list both white brightness and colour brightness specifications, and all have high colour brightness.

*Colour brightness (colour light output) in brightest mode, measured by a third-party lab in accordance with IDMS 15.4. colour brightness will vary depending on usage conditions. Top-selling Epson 3LCD projectors versus top-selling 1-chip DLP projectors based on NPD sales data for October 2019 through September 2020.

Laser light source

Experience astonishing quality and reliability with Epson's new laser light source. The newly designed laser light source and advanced electrostatic filter deliver 20,000 hours of maintenance-free use and consistent performance for total peace of mind during important presentations
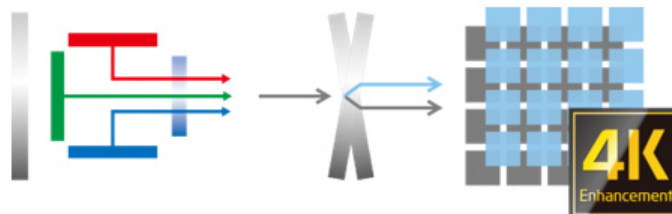
NEW Up to 10,000 lumens

Powered by 3LCD technology and Epson's laser optical engine, the EB-PU2010B is capable of producing white light and colour light output of up to 10,000 lumens in WUXGA resolution, delivering captivating images in virtually any venue.

The laser light source also lets you take control of brightness with precise adjustment in increments of 1% and a constant brightness mode that maintains brightness at a specified level

4K enhancement

The EB-PU2010B delivers high-precision images with 4K enhancement (4KE) technology. Upscale 1080p content with 4KE, which shifts pixels diagonally by 0.5 pixels to double the resolution, for crisp and high-definition images.

Deep black contrast

The EB-PU2010B delivers deep black contrast ratios up to 2,500,000:1. With Epson's innovative laser light source, you get remarkably high contrast levels during full-black scenes. A special optical device is used to adjust polarization and reproduce truly dark shades of black for projection venues that require the most deep black such as theatres.

NEW High dynamic range

The EB-PU2010B supports HDR10 and Hybrid Log-Gamma, which expands dynamic range for image output across a broad tonal range and minimises washed-out highlights or excessive shadow in dark areas.

SDR (standard dynamic range)

HDR (high dynamic range)

NEW Scene adaptive gamma correction

Gamma level is adjusted automatically according to the content image frame-by-frame, projecting the optimum contrast level. By controlling crushed blacks in dark scenes and clipped whites in bright scenes, images can be displayed in the most natural and life-like manner.

OFF   ON

OFF   ON

ADVANCED INSTALLATION FEATURES

Powerful and compact

The EB-PU2010B can deliver upto 10,000 lumens of brightness in a compact size*. Approximately 25% smaller and lighter than Epson's L series projectors, transportating and setup process has become much easier, and loading weight has become much lighter when projectors get shipped to shows and events.

*Weight: 16.8kg (excluding lens), Dimension D x W x H: 436 x 545 × 164mm (excluding lens, cable cover and feet

25% smaller and lighter*
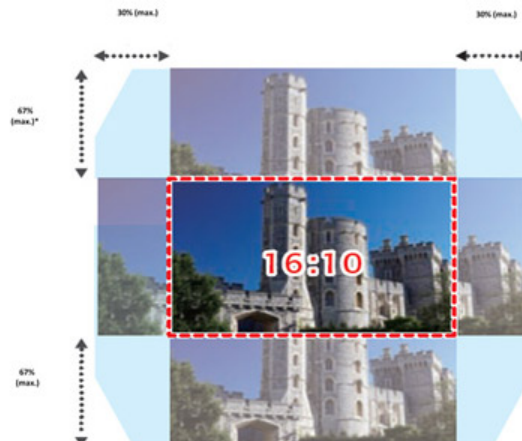than the traditional model

Powered lens shift, zoom and focus

The motorised lens shift covers a wide range, giving you a great deal of flexibility when installing the projector. A newly adopted stepping motor lets you make highly precise adjustments when employing edge blending, stacking and other techniques. Adjustments can be made via remote control or over a network, enhancing usability even for ceiling-mounted projectors.

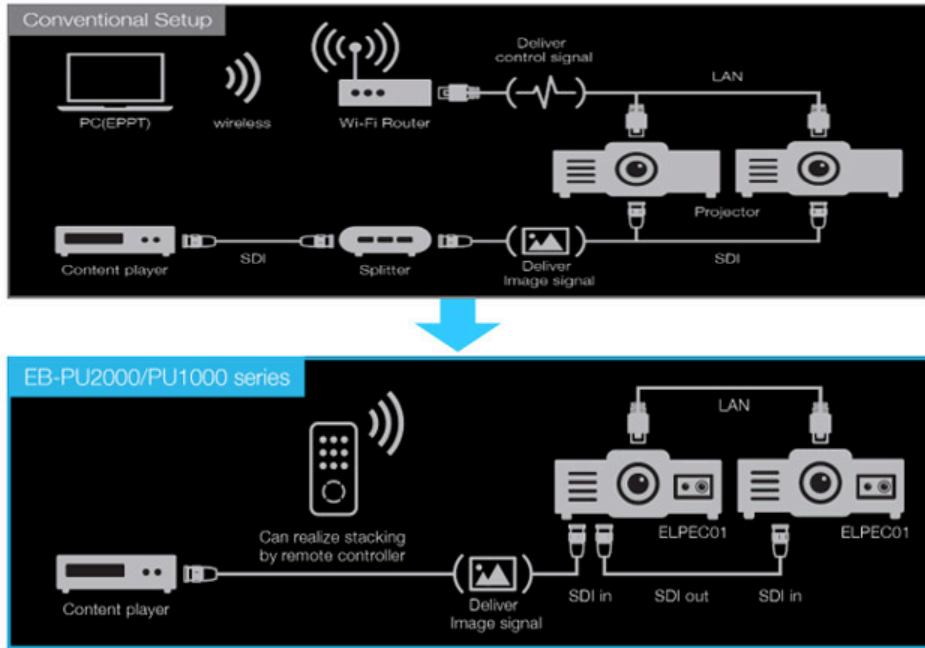*±67% vertically, ±30% horizontally for EB-PU1000 series with ELPLM08
*±60% vertically, ±18% horizontally for EB-PU2000 series with ELPLM15

30% (max.)   30% (max.)

67% (max.)*

16:10

67% (max.)
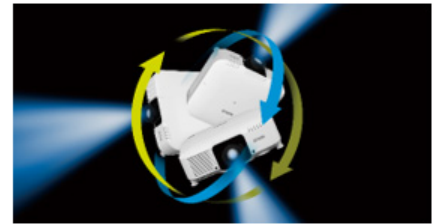
NEW SDI in/out signal

The EB-PU2000 series is equipped with SDI (in/out) signal*, stacking of two projectors can be done without requirement of PC or Wi-Fi router. Conveniently project up to 20,000 lumens of brightness with two EB-PU2000 series in large venues using the built-in daisy chain function‡. Simply connect two projectors with a LAN cable and trigger the function with remote command to setup within 7 minutes**.

*SDI in & out connectivity is only available on EB-PU2010B and EB-PU2010B. ‡Daisy chain function is limited to connecting 2 projectors only. **ELPEC01 external camera is required to achieve installation within 7 minutes. Combining with EPPT software, automatic stacking process reduces setup time to 5 minutes.

Multi-directional projection
The EB-PU2010B can be rotated 360° in any direction — horizontally, vertically and diagonally — ideal for a wide range of applications, such as ceiling or floor projection.
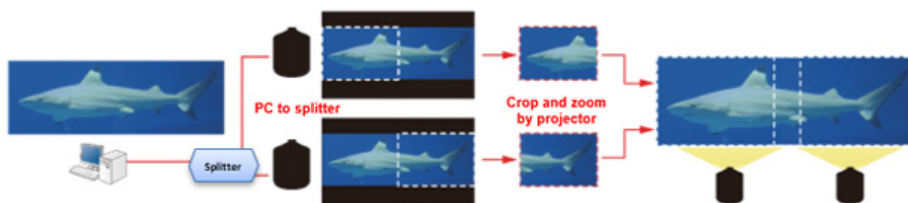

Lens position memory
Up to 10 settings can be stored in the projector memory, including shift positions, focus and projection sizes.
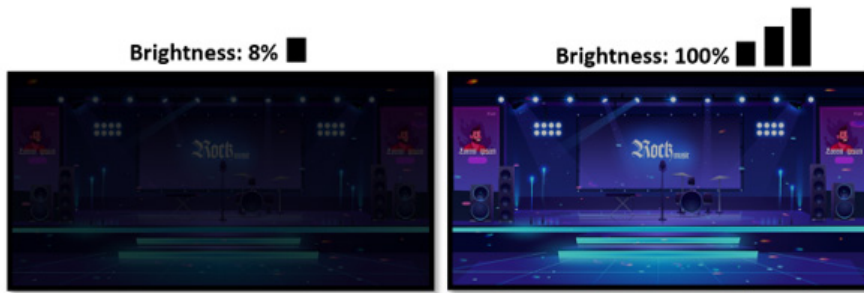
Scaling
Make the most of the image content's native aspect ratio using a scaling feature built-in to the EB-PU2010B. Without requiring a supercomputer, source content from a splitter output can be recombined automatically using the scaling feature of two projectors.

NEW Art-Net lighting control system
The EB-PU2010B supports Art-Net lighting control systems, making the projector ideal for use in live performances in stage or theatre. Control the projector with an Art-Net compatible lighting desk or control system to synchronise with in-house lighting effects. Image brightness can be controlled as low as 8% to the maximum 100%, giving ultimate fade-in and fade-out effects for stage and theatre shows and performances..

Brightness: 8%   Brightness: 100%

Incredible HDBaseT and diverse connectivity
Connect with virtually any system including HDBaseT, SDI, DVI-D, HDMI, VGA, BNC and LAN connectivity. Cutting-edge HDBaseT technology means just one single CAT-5/6 cable carries Full HD video, audio, network and control commands up to 100 meters to accommodate large venues. No need for additional cables, signal repeaters or added labour

ADVANCED BUILT-IN FUCTIONS

NEW NFC technology
Shorten kitting time with Epson Projector Config Tool App* & NFC function. Customisation of settings of the EB-PU2010B projector can be done up to 100 units as a batch. Specifically designed for rental and stage, SI and IT managers, the projector's inventory data can be easily checked and collected instantaneously by simply tapping with a mobile phone without having to turn on the projector.

*Epson Projector Config Tool App is available on iOS11 and Android 8.0

Edge blending
Enhance the experience with seamless panoramic, multi-screen images that blend edges by matching colour and brightness perfectly, even in areas that overlap.
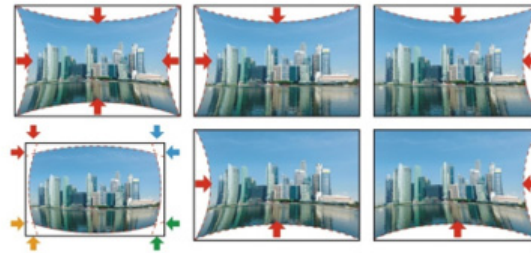

Point correction
Make smooth adjustments of distorted projection images by shifting each of the points laid out on the grid pattern.

Arc correction
Using arc correction, you can adjust each side of a projected image in an arch or barrel-shaped way, making it easier than ever to get a perfectly rectangular image.

Colour uniformity
Keep images consistent and maintain images that have become uneven over time between multiple projectors with manual colour correction function.

Corner wall and curved surface projection
Quickly and precisely correct any vertical or horizontal image distortion with Epson's curved surface and corner wall projection. These features allow for greater flexibility when choosing a projection surface. Enhance your viewers experience by projecting your content in a unique environment with ease.

Content playback
The EB-PU2010B projector has an in-built content playback feature, allowing you to save videos and photos to USB flash memory and project them instantly without the need for a PC. Epson's dedicated software for digital signage applications complements the embedded feature for a cost-effective solution.

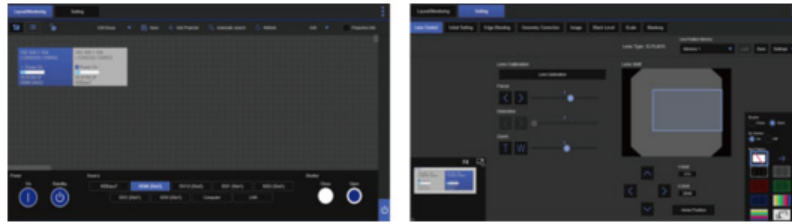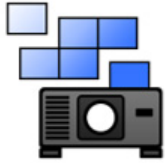 For instant content creation, the Epson Creative Projection App is available on iOS devices.

 For scheduling, the Epson Content Management software is available for planning and execution.

ADVANCED INSTALLATION SOFTWARE

Epson Projector Professional tool
Setup multiple projectors straight out of the box with new large venue application software. Epson Professional tool allows you to adjust and control images projected on a network with high-end projector setup features such as colour uniformity calibration, geometry correction, image layout adjustment, lens control and edge blending. Exclusively bundled to Epson laser projectors, large scale presenting has become much easier and flexible with automation.
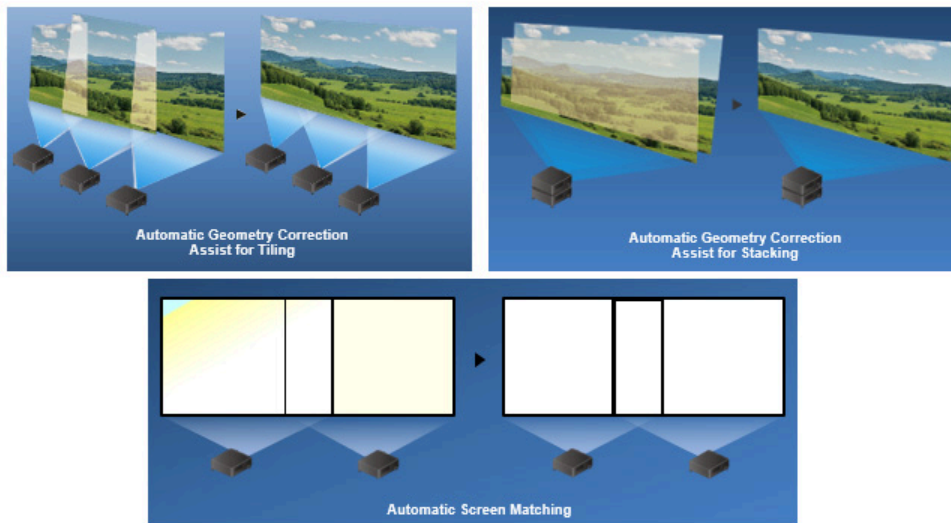
NEW Epson Projector Professional Tool x ELPEC01 support

Pair an ELPEC01 external camera with an EB-PU2010B projector to enable automation for geometry correction and screen matching. Powered by Epson Projector Professional Tool software, the set up for tiling and stacking of multiple projectors is quicker and easier than ever before.

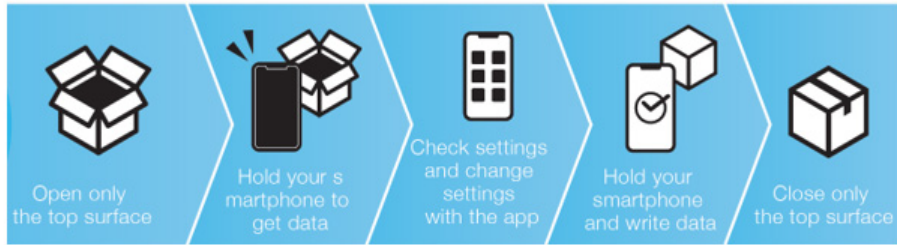EB-PU2000/1000 series with
ELPEC01 lens attached

Automatic Geometry Correction
Assist for Tiling

Automatic Geometry Correction
Assist for Stacking

Automatic Screen Matching

NEW Epson Projector Config Tool App

Exclusively available with the EB-PU2010B, Epson Projector Config Tool App* can save time on communication. Powered by NFC technology, projector information can be imported, exported for kitting preparation and confirmation. Installers, SI specialist, end customer, service team, repair team and rental & stage operators can now save time and effort, requiring as little as 7 minutes to collect the data out in the field on an iOS or Android device.
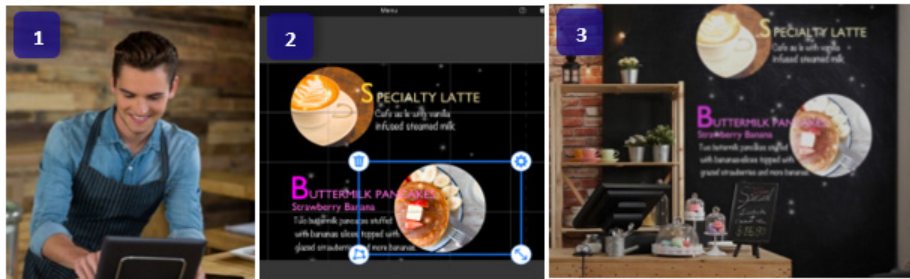
*Epson Projector Config Tool App is available on iOS11 and Android 8.0

| Open only the top surface | Hold your smartphone to get data | Check settings and change settings with the app | Hold your smartphone and write data | Close only the top surface |

Epson Creative Projection App
With Epson Creative Projection app, you can create original, dazzling content to enliven rooms, product displays, and spaces around you, anytime and anywhere. Available on iOS devices, such as iPhone and iPad, content can be previewed while projecting and editing content at the same time. With extensive preloaded templates, freely arrange and combine materials in the app any way you like. From simply uploading photos and movies from a mobile device to making animated visual effects, instantly make your display content come to life without requiring a PC.

Epson Content Management software
With Epson Content Management software, you can easily create playlists for signage content from a PC or a laptop. The ability to set schedules and register the shape filter settings gives you advanced control such as synchronised playback.

Key features of the software include:

Creating playlists
Adding visual effects
Setting up remote shortcuts
Applying custom filters
Scheduling playlists

DICOM Simulation Mode
DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The projector's DICOM Simulation Mode enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

Collaborative Presenting - iProjection software
Multiple users can connect simultaneously to one projector using Epson iProjection software which allows you to display four individual PC screens simultaneously over the network (wired or wireless), with up to 50 users connected to the same projector. This feature is a great tool for meetings or classroom projects where multiple users want to present and compare their screens.

Simple acontrol – Epson Projector Management software
Using arc correction, you can adjust each side of a projected image in an arch or barrel-shaped way, making it easier than ever to get a perfectly rectangular image.
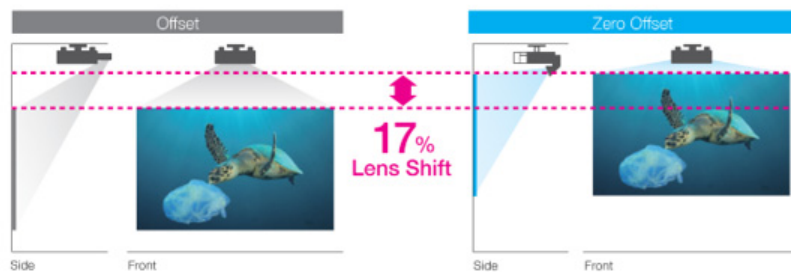
Use features such as Epson Projector Management software to monitor and control projectors, with fleet control across a network or on a web browser to keep track of up to 2,000 projectors. The latest models feature a newly designed OSD Control Pad function that shows a representation of lens conditions on a smart device.

ADVANCED INSTALLATION SOFTWARE

Ultra-short throw lens
The ELPLX01S is a UST lens can produce images from 100 inches to a massive 1,000 inches at a throw distance of 0.74m – 3.1m respectively and has a lens shift of +17% vertical and ±10% horizontally for added flexibility. The UST lens is also available in white.

(EB-PU2010B/W model is compatible with ELPLX02S. Lens shift range of ELPLX02S: +20% vertically, ±15% horizontally. Please refer to lens compatibility chart)
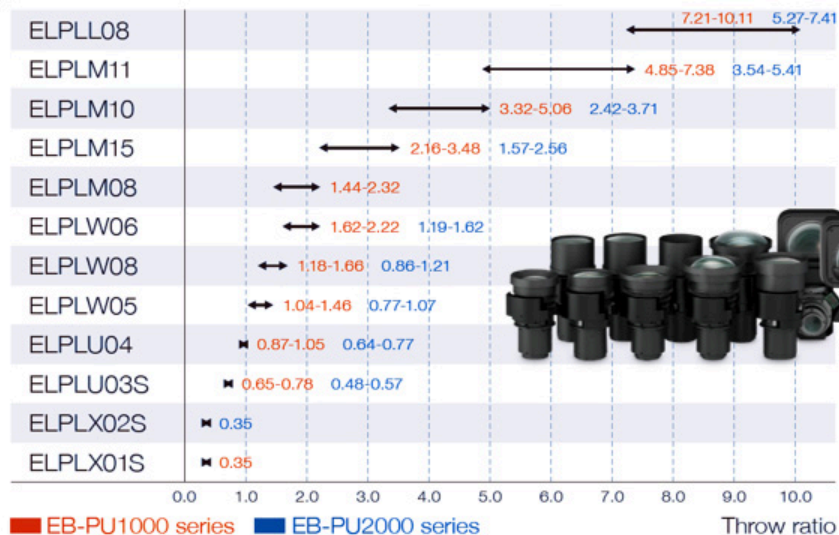

Eleven optional lenses
For added flexibility, the EB-PU2010B offers a total of eleven lenses, including middle, wide, long, short and ultra-short throw that allow users to choose the lens most suited for their environment. A quick-release lever allows for a fast, easy lens exchange

4K ready optional lens
A wide range of optional lenses are available for the EB-PU2010B to support any installation scenario. The optional lenses are all 4K compatible, and combined with the projector, deliver focused and sharp 4K enhanced images.

Lens	EB-PU2000 series	EB-PU1000 series
ELPLL08	7.21-10.11	5.27-7.41
ELPLM11	4.85-7.38	3.54-5.41
ELPLM10	3.32-5.06	2.42-3.71
ELPLM15	2.16-3.48	1.57-2.56
ELPLM08	1.44-2.32	
ELPLW06	1.62-2.22	1.19-1.62
ELPLW08	1.18-1.66	0.86-1.21
ELPLW05	1.04-1.46	0.77-1.07
ELPLU04	0.87-1.05	0.64-0.77
ELPLU03S	0.65-0.78	0.48-0.57
ELPLX02S	0.35	
ELPLX01S	0.35	

EB-PU1000 series EB-PU2000 series Throw ratio

NEW Ceiling mount ELPMB67 and extension pole ELPFP15
ELPMB67 ceiling mount and ELPFP15 extension pole are lighter than the previous mount, giving you even more installation flexibility across the Epson laser projectors. Also, the ELPMB67 can accommodate wider vertical adjustment angle within + 5° / -15° range. Both mount and extension pole come in grey to easily integrate into any colour scheme.

The ELPWP10 allows content to be displayed from four different devices simultaneously, making content sharing a seamless experience.

ELPMB67 + ELPFP15

ELPMB67

ELPMB67 + ELPFP15

ELPEC01

NEW External camera ELPEC01

Attach an ELPEC01 external camera to the EB-PU2010B or ELPLX01 UST lens to enable a powerful installation capability. Compatible with Epson Professional Tool software and Epson Projector Management software, automate manual installation processes and enable remote camera access when required
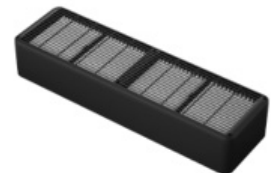

ELPEC01 with projector

ELPEC01 with UST lens

NEW External air filter ELPAF63

Exclusively designed for the EB-PU2010B, external air filter ELPAF63 extends the brightness level and protects the projector's internal optical engine from external dust particles. Attaching the ELPAF63 gives an equivalent protection to sealing an optical engine structure, so that the projector's performance is not compromised in an environment that contains high degree of particulates

ELPAF63

ELPAF63 with projector

Connectivity panel

Specification

PRODUCT NAME	EB-PU2010BNL
PRODUCT CODE	V11HA52853BU

TECHNOLOGY

Projection System	3LCD
LCD Panel	1.0-inch
What's in the Box	EB-PU2010BNL Projector, 3m 10A Power Cable, Quick Start Guide, Remote Control, 2 x AA Batteries, Cable Cover, Lens connector cap, Registration Card

IMAGE

Light Source	Laser Diode
Resolution	WUXGA
Colour Light Output	10,000 Lumens
White Light Output	10,000 Lumens
Native Aspect Ratio	16:10
Contrast Ratio	2,500,000:1
LD Input Power	388 W
Referenced Standard Lens	ELPLM15
Keystone Correction (Standard Lens)	Vertical: ±45° Horizontal ±30°
Lens Shift (Standard Lens)	Vertical: ±60° Horizontal ±18°

OPTICAL

Zoom	1 - 1.6 (Optical)
Screen Size (Standard Lens)	60" to 1000"
Projection Distance (Standard Lens)	100" screen 3.38 m – 5.52 m
Throw Ratio	1.57 (Zoom:Wide) 2.56 (Zoom:Tele)
Projection Lens F Number	1.8 – 2.3
Projection Lens Focal Length	36 mm – 57.35 mm
Focus Method	Powered

CONNECTIVITY

Input: Video	-
Input: Computer	1 x D-sub 15-Pin (RGB)
Input: Digital	1 x HDMI, 1 x DVI-D, 1 x HDBaseT, 1 x BNC (SDI)
Input: SDI	1 x BNC
Input: Audio	–
Control: I/O	1 x RS-232C, 1 x Stereo mini
Network: I/O	1 x RJ45, 1 x USB Type A (for Optional Wireless LAN)
HDBaseT	Yes
Wireless Connectivity	Optional
Output: Video	–
Output: Digital	1 x BNC (SDI)
Output: Audio	1 x Stereo mini

ADVANCED FEATURES

EPSON Projector Management (Network & Control)	Yes
EPSON iProjection (Multi-PC Projection)	Yes
EPSON Professional Tool	Yes
Remote Access Camera	Optional ELPEC01
External Air Filter (High capacity)	Optional ELPAF63
Wireless LAN Enterprise Security	Yes (with Optional Wireless LAN Unit)
4K Enhancement	Yes
Fully Sealed Optical Engine	–
Interchangable Interfaces	–
Art-Net	Yes
Lens Position Memory	Yes (10 positions)
Split Screen	Yes
Edge Blending	Yes
Curved Screen Projection	Yes
Corner Wall Projection	Yes
Frame Interpolation	Yes
Super Resolution	Yes
Detail Enhancement	Yes
360 Degress Projection	Yes
Content Playback	Yes
Instant Off	Yes
Direct Power On	Yes
Security	Kensington®-style lock provision Wireless LAN Unit Lock Security cable hole
Colour Modes	Dynamic Presentation Cinema BT.709 Natural DICOM SIM Multi-Projection

GENERAL

Dimensions D x W x H (Including Feet)	436 x 545 x 189 mm
Weight	17.0 Kg
Projector Warranty*	5 years
Power Consumption: LD On	452 W
Power Consumption: Standby	2.0 W
Noise Level (Normal/Eco)	37 / 30 dB

COMPATIBLE LENS

ELPLX01	–
ELPLX02	Yes
ELPLU03	Yes
ELPLU03S	Yes
ELPLU04	Yes
ELPLW05	Yes
ELPLW08	Yes
ELPLW06	Yes
ELPLM08	–
ELPLM15	Yes
ELPLM10	Yes
ELPLM11	Yes
ELPLL08	Yes

*20,000 hours or 5 year warranty (whichever comes first)

Usage Conditions
Epson products are designed and manufactured to be highly reliable and last a long time when used according to their specifications. With any system, product or device used in situations where human life may be involved or at risk, Epson advises that you should take all necessary steps to ensure the suitability of your Epson product for inclusion in your system, and recommends that you include fail-safe procedures and redundancy support or backup equipment in your system, to maintain the maximum safety margin and optimum system reliability. Examples include but are not limited to - do not interfere with any electrical components within the device, do not use items supplied with the product for purposes other than as intended by Epson (e.g. power cords, inks, CDs, plastic wrapping) and do not make modifications to the product.

Consumables

ACCESSORIES & OPTIONS	PRODUCT CODE
ELPAP11 Wireless LAN Unit	V12H005A01
ELPLM15 Middle Throw Lens	V12H004M0F
ELPLL08 Long Throw Lens	V12H004L08
ELPLM10 Middle Throw Lens 3	V12H004M0A
ELPLM11 Middle Throw Lens 4	V12H004M0B
ELPLU04 Short Throw Lens 2	V12H004U04
ELPLU03S Short Throw Lens 1	V12H004UA3
ELPLW05 Wide Throw Lens 1	V12H004W05
ELPLW06 Wide Throw Lens 2	V12H004W06
HDBaseT Transmitter	V12H547053
ELPAF46 Replacement Filter	V13H134A46
ELPAF63 External Air filter	V13H134AD0
ELPMB67 Ceiling Mount	V12HA54010
ELPFP15 Extension Pole 460 – 680 mm	V12HA55010
ELPLX02S Ultra Short Throw Lens	V12H004X0B