EPSON
EXCEED YOUR VISION

EPSON EB-Z8000WUNL/Z8050WNL
MULTIMEDIA PROJECTORS

Powerful performance beyond Hi-Def.

Powerful performers that are easy to install, manage and maintain, the Epson "Z Series" multimedia projectors offer high brightness and superior reliability for captivating presentations in virtually any venue. Featuring WUXGA widescreen resolution, the EB-Z8000WUNL offers 6000 lumens of colour light output and 6000 lumens of white light output. A brighter 7000 lumens of colour light output and 7000 lumens of white light output in WXGA resolution is offered by the EB-Z8050WNL giving you the flexibility of choice to best suit your application. With innovative LCD chips sand a contrast ratio of up to 5000:1, Epson's "Z Series" delivers brilliant widescreen images in lecture halls, conference centres and more. Offering a full suite of monitor and control features, these high brightness projectors ensure easy integration with complex devices, plus a lower overall cost of ownership. Choose from a variety of optional lenses.

A powerful combination of brightness, resolution and true-to-life colour –
EB-Z8000WUNL: — 6000 lumens colour light output, 6000 lumens white light output, WUXGA resolution and 3LCD, 3-chip technology
EB-Z8050WNL: — 7000 lumens colour light output, 7000 lumens white light output, WXGA resolution and 3LCD, 3-chip technology
Innovative technology for added reliability —
Durable LCD chips and a new cooling system and filter design

EPSON EB-Z8000WUNL/Z8050WNL
MULTIMEDIA PROJECTORS

The best-selling projectors in the world.

Epson offers a wide range of high-quality projectors to meet almost any need. Built with image quality and reliability in mind, Epson projectors enhance communication and inspire collaboration, while offering a low total cost of ownership. From projectors designed for educational settings to auditorium or boardroom–ready business projectors, Epson has the model made to meet the most demanding needs.
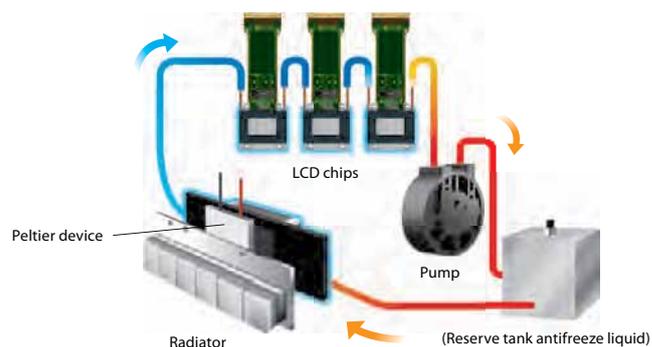
3LCD technology – for quality and colour that's beyond amazing

Innovative technology with proven reliability

• 3 chips for vibrant, true–to–life colour

• 25% less electricity required per lumen when compared to 1–chip DLP projectors[**]

• Road-tested reliability from a company with over 20 years of experience
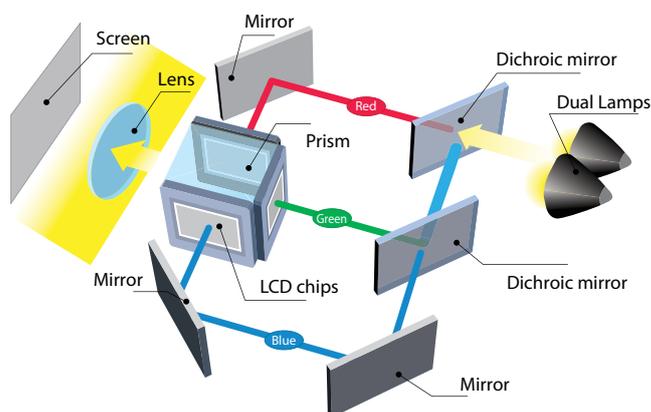

▲ 3LCD technology

Quiet, reliable liquid cooling system

Epson's innovative system uses liquid to cool the LCD chips directly. The liquid absorbs the heat and is then cooled by a peltier device, which is then cooled by a fan, thereby keeping the overall optical engine cool. This system design promotes greater reliability and enables stable operation in temperatures up to 45℃. In addition, it offers quiet, unobtrusive operation and allows for off–axis installation orientations.

C²Fine® technology delivers blacker blacks

C²Fine offers smooth, uniform images with exceptional contrast for better image quality. Based on the new phase–compensation technology, light leakage is eliminated, allowing for the reproduction of blacker blacks. C²Fine technology is combined with an auto iris, which allows for a contrast ratio up to 5000:1.

Eco features
• Energy-efficient 3LCD technology
• Designed to be recycled[***]

Better Products for a Better Future℠
For more information on Epson's environmental programs, go to eco.epson.com

Precision control

Convenient lens design

With it's centered lens design, the Epson "Z Series" makes installation easy to plan. Positioning the ceiling mount, screen, and projector can be performed individually and independent of one another.

Six powered lens options

With a 1.6 x standard lens, the Epson "Z Series" offers increased placement flexibility. For even greater flexibility, Epson offers a total of six lenses with varying ranges including short, wide, and rear, along with mid–to–long–throw lenses that allow users to choose the motorised lens most suited for their environment. A quick release lever allows for a quick, easy lens exchange. (Lens not included)

▲ Lens not included

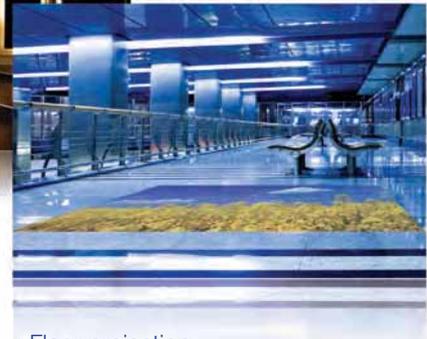| Description/Product #	Throw ratio/Screen size	Focal length/F #
ELPLS04 Standard Zoom Lens V12H004S04	Throw Ratio: 1.74 – 2.82:1 Screen Sizes: 60" – 500" Zoom Ratio: 1 – 1.61:1	Focal Length: 36.00 mm – 57.35 mm F/#: 1.65 – 2.51
ELPLR04 Rear-projection Wide Lens V12H004R04	Throw Ratio: 0.77:1 Screen Sizes: 60" – 500"	Focal Length: 16.15 mm F/#: 1.85
ELPLW04 Wide Zoom Lens V12H004W04	Throw Ratio: 1.31 – 1.80:1 Screen Sizes: 60" – 500" Zoom Ratio: 1 – 1.37:1	Focal Length: 27.32 mm – 37.04 mm F/#: 1.8 – 2.26
ELPLM06 Middle-throw Zoom Lens #1 V12H004M06	Throw Ratio: 2.68 – 4.1:1 Screen Sizes: 60" – 500" Zoom Ratio: 1 – 1.5:1	Focal Length: 55.43 mm – 83.3 mm F/#: 1.81 – 2.4
ELPLM07 Middle-throw Zoom Lens #2 V12H004M07	Throw Ratio: 3.92 – 5.97:1 Screen Sizes: 60" – 500" Zoom Ratio: 1 – 1.5:1	Focal Length: 80.59 mm – 121.1 mm F/#: 1.81 – 2.34
ELPLL07 V12H004L07 Long-throw Zoom Lens	Throw Ratio: 5.83 – 8.18:1 Screen Sizes: 60" – 500" Zoom Ratio: 1 – 1.39:1	Focal Length: 118.98 mm – 165.39 mm F/#: 1.8 – 2.45

▲ Lens throw chart

Off–axis, flexible installation

The Epson "Z Series" can be rotated 90 degrees upward or downward with an additional 30–degree tilt operation for off–axis positioning flexibility. As a result, it can be used for a wide range of applications, such as projecting on the ceiling or floor, or as part of a rear–projection system. Epson technology keeps the projector running without compromising performance or causing overheating.

▲ Ceiling projection

▲ Floor projection

Epson lens shift technology

In addition to added reliability and amazing colour performance, 3LCD's industry–leading technology enables the projector to achieve a wide range of lens shift capabilities. This lens shift technology enables outstanding installation flexibility with an incredible range of + or – 70% on the vertical axis and + or – 20% on the horizontal axis. Users can operate the vertical lens shift function using the remote control, the projector control panel, or control commands.
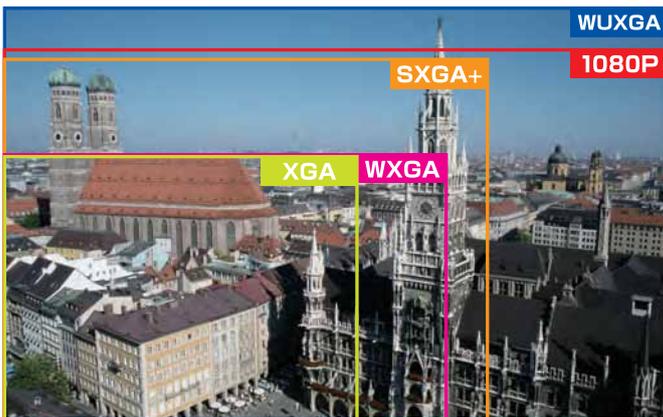
20%   20%

70%

70%

Quality and reliability

Beyond Hi–Def

With WUXGA resolution (1920 x 1200), the EB–Z8000WUNL delivers high quality images and crisp, sharp text without any distortion or scaling, and it makes it easy to display more content. In fact, with the EB–Z8000WUNL, the display area can accommodate two independant, A4–sized windows, side by side, at the same time. You can also display HDTV content at it's native resolution with quality that surpasses even that of 1080p devices. WUXGA resolution is ideal for any application requiring full Hi–Def, including Blu–Ray® content, graphic intensive programs, educational film slides, and any application requiring exceptional detail.

▲ WUXGA resolution

Powerful, large venue performance

The EB-Z8000WUNL combines the brightness of 6000 lumens colour light output and 6000 lumens white light output* with the detail of widescreen WUXGA resolution. Surpassing 1080p Hi–Def performance, this projector delivers captivating presentations and videos in virtually any venue. The EB-Z8050WNL boasts 7000 lumens colour light output and 7000 lumens white output in WXGA resolution. These amazing, flexible performers were engineered and designed for easy integration with installation features that even the most savvy professional installer would appreciate. Durable 3LCD chips and a contrast ratio of up to 5000:1, the Epson "Z Series" delivers brilliant widescreen images for presentation in lecture halls, auditoriums, conference centres and houses of worship. It also offers a full suite of monitor and control features that contribute to a low cost of ownership.

Low cost of ownership

Protect your investment — long–life electrostatic air filter

The Epson "Z Series" filter is designed to protect the optical engine, lamp and electronics from small dust particles that can enter any projector. It has a recommended 10,000 hour filter cleaning schedule. The Epson electrostatic filter captures particles as small as 3 microns, due in part to it's pleated, expanded design. With one air intake and one exhaust path, the Epson "Z Series" offers an efficient airflow system for optimum cooling of key components and a reduction in dust–related problems. Additionally, it has the capability to send an e–mail notification out through the Epson Monitor utility when an increase in temperature is detected, due to clogging.

▲ Easy access filter

Easy maintenance and monitoring

With convenient access to the lamps and filter, the Epson "Z Series" makes maintenance easier than ever, even if the projector is ceiling mounted. The lamp cover is located on the rear side panel and there are no screws, so the lid can be removed without any special tools. In addition to easy lamp and filter replacements, the Epson "Z Series" includes features that make it easy to monitor and control. With EMP Monitor, users can access advanced status functions over the LAN network.

Easy Management® with Epson Monitor

Easy MP® technology makes it easy to monitor and control networked Epson projectors. You can use the utility while performing help desk services and proactively manage your projector assets. Remotely power down your projector(s) to extend the lamp life and produce energy savings. The utility is packaged on a CD with the projector and can be used with a PC to check the status of a projector. It is also available online at www.epson.com.au

Uninterrupted operation

With a dual lamp (330w) system, the Epson "Z Series" eliminates the risk of interruption. If one lamp were to fail, operation would continue, using the other lamp. And, replacements are made easy with free and unobstructed access to the rear control panel.
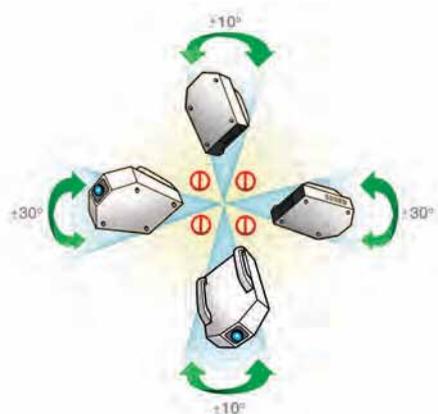

▲ Control panel

Advanced installation

• **Innovative cooling and filter system for venues with more demanding requirements –** perfect for restaurants, gaming venues and sports venues that require dust protection and have a higher performance/usage requirement.

• **Off–axis installation for flexible placement –** install the projector so that it's facing up or down, for off–axis signage positioning.

Powerful performance

Quality and reliability

• Powerful combination of brightness, resolution and true–to–life colour
EB-Z8000WUNL: 6000 lumens colour light output, 6000 lumens white light output, WUXGA resolution and 3LCD, 3-chip technology

EB-Z8050WNL: 7000 lumens colour light output, 7000 lumens white light output, WXGA resolution and 3LCD, 3-chip technology

• Core technology for added reliability
– durable LCD chips; innovative cooling system & filter design

• Digital connectivity for ultimate performance
– HDMI with HDCP compliancy and DVI–D, both with high–grade video processing

• Exceptional colour fidelity
– broad colour reproduction covers the DCI colour gamut space for viewing movies as film producers intended

• Greater detail with blacker blacks
– C²Fine® technology, up to 5000:1 contrast ratio cinema filter

Precision control

• Easier installation
– center lens design makes it easy to align the projector with the screen

• Powered lens
– motorised zoom, focus, and lens shift, controllable through the remote, RS–232 or IP

• Wide lens shift capabilities
– vertical positioning of + or - 70%, or - 20% horizontal

• Perfect for auditoriums and lecture hall venues
– six optional lenses including wide-, rear- and long throw lenses designed with a change–out lever for easy lens installation

• Direct On and Direct Off
– allows a projector to be powered on/off by use of a wall switch

Low cost of ownership

• Protect your investment
– recommended 10,000–hour filter cleaning schedule and easy, side–access filter

• Easy monitor and control capabilities
– included Epson monitor software allows for remote monitor and control of Epson networked projectors

• Value–added features
– Quick Corner® for independent image corner control; built–in closed captioning decoder; cable interface cover

• Dual lamps with long lamp life
– up to 3500–hour lamp life in ECO Mode, up to 2500 hours in Normal Mode****

EPSON®
EXCEED YOUR VISION

HDMI
DVI-D
LAN
Monitor Out
Computer
RS-232
Remote
AC Inlet
S-video
BNC
Video (BNC)

Product Name

EB–Z8000WUNL Lens required
EB–28050WNL Lens required

Product Code

V11H266953
V11H265953

Specifications

Projection System
High–aperture Epson 3–chip, 3LCD technology

Projection Methods
Front/rear/ceiling mount

LCD Driving Method
Epson Poly–silicon TFT Active Matrix

Pixel Number
2,304,000 pixels x 3LCDs

Native Resolution
EB–Z8000WUNL: WUXGA (1920 x 1200)
EB–Z8050WNL: WXGA (1280 x 800)

Aspect Ratio
EB–Z8000WUNL: Native 16:10
EB–Z8050WNL: Native 16:9

Pixel Arrangement
Cross stripe

Projection Lens

Type
Powered zoom/focus

F–number
1.65 – 2.51 (Standard lens), lens not included

Focal Length
36 mm – 57.35 mm (Standard lens)

Zoom Ratio
Optical zoom 1.0 – 1.61 (Standard lens)

Screen Throw Ratio Range
1.74" – 2.82" (Standard lens)

Size (projected distance)
60" – 500"

Lens Shift (powered)
Vertical: ±70%
Horizontal: ±20%

Keystone Correction
Vertical: –30 degrees to +30 degrees
Horizontal: –20 degrees to +20 degrees

Brightness (Normal Mode)*
EB–Z8000WUNL:
White light output: – 6000 lumens
(ISO 21118 standard),
Colour light output: –6000 lumens

EB–Z8050WNL:
White light output: – 7000 lumens
Colour light output: –7000 lumens

Contrast Ratio (Normal, Dynamic Mode)
Up to 5000:1

Brightness Uniformity (typical)
90%

Colour Reproduction
16.7 million colours

Dual Lamp

Type
300 W x 2 UHE

Lamp Life**
Up to 2500 hours (Normal Mode)
Up to 3500 hours (ECO Mode)

Dimensions (W x D x H)
Including Feet (with standard lens)
21.0" x 28.9" x 8.9"
Excluding Feet, Lens
21.0" x 28.9" x 8.9"

Weight
22kg with standard lens

Effective Scanning Frequency Range
Pixel Clock
13.5 MHz to 162 MHz (up to UXGA 60 Hz)

Horizontal
15 kHz to 80 kHz

Vertical
24 Hz, 30 Hz, 50 Hz, 60 Hz (Digital)
50 Hz to 85 Hz (Analog)

Remote Control

Features
Brightness, Contrast, Tint, Saturation, Sharpness, Input signal, Sync, Tracking, Position, Zoom, Focus, Lens Shift, Shutter, ID, source search

Operating Angle
Front
Right/left ± 60 degrees
Upper/lower -45 to +15 degrees
Rear
Right/left ± 30 degrees
Upper/lower -45 to +15 degrees

Operating Distance
15 m

Display Performance

Native
EB–Z8000WUNL: 1920 x 1200
EB–Z8050WNL: 1280 x 800

Resize
640 x 480
800 x 600
1280 x 1024
1400 x 1050
1600 x 1200

Video I/0
Display Performance
NTSC: 560 lines
PAL: 560 lines
(depends on observation of the multi–burst pattern)

Input Signal

NTSC / NTSC4.43 / PAL / M–PAL / N–PAL / PAL60 / SECAM
SDTV: 480i / 576i / 480p / 576p / 720p / 1080i / 1080p
3D Y/C separartion, noise reduction motion compensated
Interlace progressive conversion
(2 – 2, 3 – 2 film detection)

Interfaces

Computer/component video:
D–sub HD 15 pin x 1
5BNC component x 1
HDMI x 1
DVI–D x 1
Hardware remote jack x 1
S–video: mini DIN x 1
Composite video BNC x 1,
LAN networking: RJ–45 x 1, 10/100Mb
Serial: RS–232c x 1
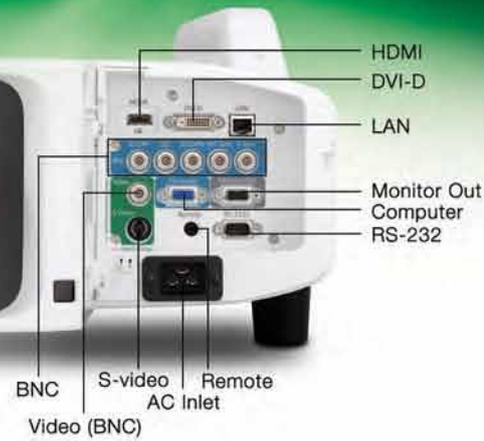Monitor out: mini D–sub 15 pin x 1

Other Features

Audio Output
None

Operating Temperature
32° to 113 °F (0 ° to 45 °C)

Power Supply Voltage
100 – 240V ± 10%, 50/60 Hz AC

Power Consumption
877 W (Normal operation)
734 W (ECO operation)
0.5 W standby (network off)

Fan Noise
38 dB (Normal Mode)
32 dB (ECO Mode)

Security
Kensington® – style lock provision, anchor (metal) bar for security lock or cable, handles attached to body for cable wrap

Warranty

Four-year projector limited warranty, one year warranty

Contents in Box

Power cable, computer cable, projector remote control, batteries, cable cover, user manual CD, Quick Setup Sheet, password protection sticker, monitor and control CD

Accessary Part Numbers

Lens Part Numbers

Standard zoom lens (ELPLS04)	V12H004S04
Long throw zoom lens (ELPLL07)	V12H004L07
Middle–throw zoom lens 1 (ELPLM06)	V12H004M06
Middle–throw zoom lens 2 (ELPLM07)	V12H004M07
Rear projection wide lens (ELPLR04)	V12H004R04
Wide zoom lens (ELPLW04)	V12H004W04

Mount Part Numbers

Flush ceiling mount bracket	V12H003B25
Mount bracket with extended pipe	V12H003B26

Replacement Lamp Part Numbers

Single (ELPLP51)	V13H010L51
Dual lamp kit (lamp x 2) (ELPLP52)	V13H010L52

Projector Part Number

EB–Z8000WUNL (lens not included)	V11H266953

Replacement Air Filter Set

Replacement Air Filter Set	V13H134A23