

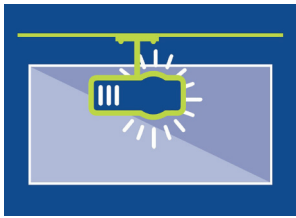


VISUAL DISPLAYS



Complete Laser Displays

- Premium ALR laser projection displays - the ultimate all-in-one large screen display solution
- From 100"
- Optimised viewing from everywhere in the room and in brightly lit conditions



VISUAL DISPLAYS

Complete Laser Displays

Premium large-screen display technology to ensure full viewer engagement throughout the room. With a variety of screen, projector and mount options to suit your needs. Conforms to all relevant standards for complete peace of mind.

EPSON®
EXCEED YOUR VISION

dnp
visual experience



* Furniture available as optional extra

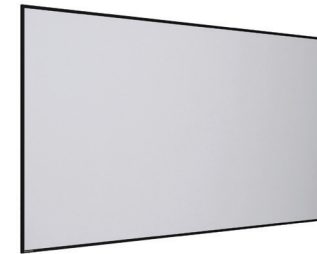


Epson Laser Projector

Epson's most technologically advanced projectors combine 3LCD with a dual laser light source and feature a wide colour gamut and an ultra-high contrast ratio to produce brilliant, true-to-life colour and incredibly deep blacks.

The combination of high brightness, high resolution and high contrast delivers powerful, vivid images, even in the largest of spaces.

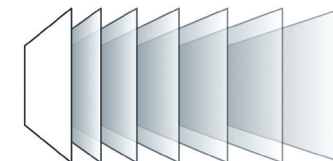
The use of laser phosphor technology adds an unparalleled level of reliability, while dramatically reducing overall running costs.



dnp Supernova optical screen

An optical Supernova projection screen is a big screen with an advanced optical lens system, enabling you to project images for maximum impact – even in brightly-lit environments.

Unlike standard front projection screens which reflect ambient light as well as projected light, and spread it in all directions, dnp screens enhance the image for optimum viewing by focusing and concentrating the projected light and provides up to 7 times the contrast of conventional front screens.



dnp Supernova
screen - 7 layers for
7 x more contrast

The simple one-stop, large-screen display solution.

Flawless, cost effective large screen displays.

Ideal for meeting rooms, education and signage.

Easy to specify, buy and install



What's included?

All-in-one large-screen laser projection displays, for full viewer engagement from everywhere in the room.



Each CLD bundle includes

- **Epson laser projector** (with 5 year warranty)
- **dnp Supernova ALR (ambient light rejecting) screen**
- **Complete mounting solution**

Optional Extras:

- Installation CAD drawings
- Site survey
- Installation
- 16:10 aspect ratio available
- Furniture
- Bespoke framework
- High-gain screen option (for limited field of view)



Available in UST (ultra short throw) or standard lens bundles

- UST solution - projector is mounted just below the screen
- Standard lens solution - projector is fitted on supplied ceiling mount

Benefits

- Hassle-free, single-SKU complete solution
- Multiple screen, projector and mount options to suit any space
- Large custom-size displays for optimised viewing from everywhere in the room
- Laser projection and ALR screen technology for flawless image quality
- Seamless single images - no visible joins (as with video walls)
- Completely non-reflective screen - no 'cheap seats' created by distracting reflections from lighting and daylight (as with flat panel displays)
- Conforms to AVIXA DISCAS image size standard for all room sizes at a fraction of the cost of flat panel displays
- High resolution HD video and graphics for detailed content viewing – exceeds AVIXA's DISCAS resolution requirement
- Exceeds AVIXA ISCR image contrast requirement – for all viewers
- Optimised image brightness, designed for all-day viewing without eye strain (in conformance with the new WELL Building Standard v2)
- Lightweight – can mount on any wall, even the largest sizes
- Reliable & easy to use - with network monitoring and control
- Maintenance free




How to select your CLD bundle

Step 1

Pick your screen size

Using the AVIXA DISCAS standard's guidelines, select an image height which is at least 1/6 the farthest viewing distance from the screen (the farthest viewer should be no more than six times the image height from the screen). Use the image height information on the next page to select 100", 110" or 120" screen size. **For larger displays please contact us - we go up to any size!**

Use this **quick reference table** or **contact us** to calculate the exact size you need. 



Step 2

Pick your screen type

On page 9 you'll find the screen options. There are choices to match your budget and frame design (hint: pick the bezel-less Blade to make the biggest impact!) - plus rigid and electric-drop-down variants.



Step 3

Pick your resolution

In most cases the standard HD resolution (1920 x 1080 pixels) is the right choice as this is likely the content resolution users will display. But, for all of the four products using Epson standard lens projectors you'll see a UHD ('4K') option with higher resolution and brighter images.

Or contact us on **01234 581 000** or via our **website here** and our expert team will **help you make the right choice**



Bundle code	Complete Laser Bundle Description	Image size (inches diagonal)	Image size (mm width x mm height)	Epson Projector Model (mount included)	Lens type	Projector lumens (max)	Installed Image Resolution (can also be installed as 1920 x 1200)	dnp Supernova ALR Screen Model	Image Brightness (max, cd/m ²)	**ISCR Image Contrast
CLD/UST/STW/100/700	Compact Footprint, Fixed Screen	100	2214 x 1245	EB-700U	UST	4000	1920 x 1080 HD	STW	231	29
CLD/UST/STW/110/700	Compact Footprint, Fixed Screen	110	2435 x 1370	EB-700U	UST	4000	1920 x 1080 HD	STW	191	25
CLD/UST/STW/120/700	Compact Footprint, Fixed Screen	120	2651 x 1491	EB-700U	UST	4000	1920 x 1080 HD	STW	161	22
CLD/STL/SNC/100/510	Fixed Screen (semi-rigid)	100	2214 x 1245	EB-L510U	Standard	5000	1920 x 1080 HD	Core	462	39
CLD/STL/SNC/100/070	Fixed Screen (semi-rigid)	100	2214 x 1245	EB-L1070U	Standard	7000	4K enhanced *	Core	647	47
CLD/STL/SNC/110/510	Fixed Screen (semi-rigid)	110	2435 x 1370	EB-L510U	Standard	5000	1920 x 1080 HD	Core	382	34
CLD/STL/SNC/110/070	Fixed Screen (semi-rigid)	110	2435 x 1370	EB-L1070U	Standard	7000	4K enhanced *	Core	542	42
CLD/STL/SNC/120/510	Fixed Screen (semi-rigid)	120	2657 x 1494	EB-L510U	Standard	5000	1920 x 1080 HD	Core	290	30
CLD/STL/SNC/120/070	Fixed Screen (semi-rigid)	120	2657 x 1494	EB-L1070U	Standard	7000	4K enhanced *	Core	406	38
CLD/STL/SNO/100/510	Fixed Screen (with bezel)	100	2214 x 1245	EB-L510U	Standard	5000	1920 x 1080 HD	One	462	39
CLD/STL/SNO/100/070	Fixed Screen (with bezel)	100	2214 x 1245	EB-L1070U	Standard	7000	4K enhanced *	One	647	47
CLD/STL/SNO/110/510	Fixed Screen (with bezel)	110	2435 x 1370	EB-L510U	Standard	5000	1920 x 1080 HD	One	382	34
CLD/STL/SNO/110/070	Fixed Screen (with bezel)	110	2435 x 1370	EB-L1070U	Standard	7000	4K enhanced *	One	542	42
CLD/STL/SNO/120/510	Fixed Screen (with bezel)	120	2657 x 1494	EB-L510U	Standard	5000	1920 x 1080 HD	One	290	30
CLD/STL/SNO/120/070	Fixed Screen (with bezel)	120	2657 x 1494	EB-L1070U	Standard	7000	4K enhanced *	One	406	38
CLD/STL/SNB/100/510	Fixed Screen (borderless image)	100	2214 x 1245	EB-L510U	Standard	5000	1920 x 1080 HD	Blade	462	39
CLD/STL/SNB/100/070	Fixed Screen (borderless image)	100	2214 x 1245	EB-L1070U	Standard	7000	4K enhanced *	Blade	647	47
CLD/STL/SNB/110/510	Fixed Screen (borderless image)	110	2435 x 1370	EB-L510U	Standard	5000	1920 x 1080 HD	Blade	382	34
CLD/STL/SNB/110/070	Fixed Screen (borderless image)	110	2435 x 1370	EB-L1070U	Standard	7000	4K enhanced *	Blade	542	42
CLD/STL/SNB/120/510	Fixed Screen (borderless image)	120	2657 x 1494	EB-L510U	Standard	5000	1920 x 1080 HD	Blade	290	30
CLD/STL/SNB/120/070	Fixed Screen (borderless image)	120	2657 x 1494	EB-L1070U	Standard	7000	4K enhanced *	Blade	406	38
CLD/STL/SNF/100/510	Electric Drop-Down Screen	100	2214 x 1245	EB-L510U	Standard	5000	1920 x 1080 HD	Flex Classic	462	39
CLD/STL/SNF/100/070	Electric Drop-Down Screen	100	2214 x 1245	EB-L1070U	Standard	7000	4K enhanced *	Flex Classic	647	47
CLD/STL/SNF/120/510	Electric Drop-Down Screen	120	2612 x 1469	EB-L510U	Standard	5000	1920 x 1080 HD	Flex Classic	332	31
CLD/STL/SNF/120/070	Electric Drop-Down Screen	120	2612 x 1469	EB-L1070U	Standard	7000	4K enhanced *	Flex Classic	467	39

What size should my screen be? Click [here](#) for our 3-Step Guide to Display Success



* 4K pixel resolution, pixel shift technology.
 **Notional, at 150 lux downlight on-screen.
 (Min for BDM category = 15 : 1)

Projector specifications



EB-L510U

Full HD (1920 x 1080 installed resolution), 5000 lumen, fixed zoom lens, laser projector

[Weblink](#)

EB-L1070U

4K enhanced (shows 4K/UHD at full resolution, using pixel-shift technology) 7000 lumen, with supplied zoom lens, laser projector

[Weblink](#)

EB-700U

Full HD (1920 x 1080 installed resolution), 4000 lumen, fixed ultra short throw lens, laser UST projector

[Weblink](#)



TECHNOLOGY

Projection system	3LCD technology, RGB liquid crystal shutter	3LCD technology	3LCD technology
LCD panel	0.67 inch with D10	0.76 inch with C2 Fine	0.67 inch with MLA (D10)

IMAGE

Max light output (CLO)	5000 lumens	7000 lumens	4000 lumens
Installed resolution	1920 x 1080 (HD)	1920 x 1080 (HD)	1920 x 1080 (HD)
Installed aspect ratio	16:9	16:9	16:9
Contrast ratio (sequential)	2,500,000:1	2,500,000:1	2,500,000:1
Light source	Laser	Laser	Laser
Laser light source	20,000 hours Durability High, 30,000 hours Durability Eco	20,000 hours Durability High, 30,000 hours Durability Eco	20,000 hours Durability High, 30,000 hours Durability Eco
Colour reproduction	Up to 1.07 billion colours	Up to 1.07 billion colours	Up to 1.07 billion colours

	EB-L510U	EB-L1070U	EB-700U
OPTICAL			
Lens type	Fixed	Interchangeable	Fixed
Projection lens zoom ratio	1.35 - 2.2 : 1	1.45 - 2.32 : 1	0.27 - 0.37 : 1
Lens shift	Manual - Vertical \pm 50 %, horizontal \pm 20 %	Manual - Vertical \pm 67 %, horizontal \pm 30 %	n/a
Image size range	50 inches - 500 inches	50 inches - 500 inches	70 inches - 130 inches
Projection lens F number	1.5 - 1.7	1.7 - 2.3	1.6
Projection lens focal length	20 mm - 31.8 mm	24mm - 38.2	4.2mm
Projection lens focus	Manual	Powered	Manual
CONNECTIVITY			
Interfaces	USB 2.0 Type A, USB 2.0 Type B, RS-232C, Wired Network, VGA in (2x), VGA out, HDMI in (2x), HDBaseT, Stereo mini jack audio out, Stereo mini jack audio in (2x), Wireless LAN IEEE 802.11b/g/n (optional)	USB 2.0 Type B (Service Only), RS-232C, Wired Network, Wireless Network (2x), VGA in, VGA out, DVI in, HDMI in, BNC in, HDBaseT, Stereo mini jack audio out, Stereo mini jack audio in (3x), HDMI (HDCP 2.2), Wireless LAN IEEE 802.11b/g/n (optional)	USB 2.0 Type A (2x), USB 2.0 Type B, RS-232C, Wired Network, Wireless LAN IEEE 802.11b/g/n (optional), VGA in, VGA out, HDMI in (3x), S-Video in, MHL, Stereo mini jack audio out, Stereo mini jack audio in (2x)
Epson iProjection app	Ad-Hoc / Infrastructure	Ad-Hoc / Infrastructure	Ad-Hoc / Infrastructure
USB display function	n/a	n/a	3 in 1: Image / Mouse / Sound
ADVANCED FEATURES			
Security	Kensington lock, Security bar, Padlock, Wireless LAN unit lock, Password protection	Kensington lock, Security bar, Padlock, Wireless LAN unit lock, Password protection	Kensington lock, Control panel lock, Password lock, Padlock, Security cable hole, Wireless LAN unit lock, Wireless LAN security, Password protection
2D colour modes	Dynamic, Cinema, Presentation, sRGB, DICOM SIM	Dynamic, Cinema, Presentation, sRGB, DICOM SIM	Blackboard, Cinema, Dynamic, Presentation, sRGB
Other features	Auto Power On, Automatic input selection, Built-in speaker, Customizable user logo, Direct Power on/off, Document Camera Compatible, Home Screen, JPEG Viewer, Long light source life, OSD copy function, Projection App for Chromebook, Quick Corner, Split-Screen-Function, iProjection App, iProjector set-up by QR code	4K enhancement, Document Camera Compatible, Lens position memory, Edge Blending, Geometric Correction	Auto brightness adjustment, Automatic input selection, Built-in speaker, Customizable user logo, Digital zoom, Direct Power on/off, Document Camera Compatible, Driverless installation, Dual Pen Support, Easy OSD pre-setting, Home Screen, iProjection App for Chromebook, Split-Screen-Function, iProjection App
Video color modes	Cinema, Dynamic, Presentation, sRGB, DICOM SIM, Multi Projection	Cinema, Dynamic, Natural, Presentation, DICOM SIM, Multi Projection, BT709	Blackboard, Cinema, Dynamic, Presentation, sRGB
Projector control	via: AMX, Crestron, Control4, Extron etc	via: AMX, Crestron, Control4, Extron etc	via: AMX, Crestron, Control4, Extron etc

	EB-L510U	EB-L1070U	EB-700U
GENERAL			
Power consumption	322 Watt, 244 Watt (economy), 0.3 Watt (standby)	416 Watt, 299 Watt (economy), 0.5 Watt (standby)	423 Watt, 332 Watt (economy), 0.5 Watt (standby), On mode power consumption as defined in JBMS-84 342 Watt
Heat dissipation		1,414.4 BTU/hour (max)	
Supply voltage	AC 100 V - 240 V, 50 Hz - 60 Hz	AC 100 V - 240 V, 50 Hz - 60 Hz	AC 220 V - 240 V, 50 Hz - 60 Hz
Product dimensions	440 x 304 x 120 mm (Width x Depth x Height)	545 x 484 x 189 mm (Width x Depth x Height)	494 x 437 x 188 mm (Width x Depth x Height)
Product weight	8.5 kg	18.1 kg	11 kg
Noise level	Normal: 37 dB (A) - Economy: 25 dB (A)	Normal: 36 dB (A) - Economy: 30 dB (A)	Normal: 38 dB (A) - Economy: 27 dB (A)
Supported temperature	Storage -10° C - 60° C	Storage -10° C - 60° C	Storage -10° C - 60° C
Supported humidity	Operation 20% - 80%, Storage 10% - 90%	Operation 20% - 80%, Storage 10% - 90%	Operation 20% - 80%, Storage 10% - 90%
Included software	EasyMP Monitor	EasyMP Monitor	EasyMP Monitor, iProjection
Options	Air filter ELPAF38, Document camera, External Speaker, HDBaseT Transmitter, MB22 ceiling mount, Wireless LAN unit	Air filter ELPAF38, Document camera, External Speaker, HDBaseT Transmitter, MB22 ceiling mount, Wireless LAN unit	Air filter ELPAF38, Wireless LAN unit
Loudspeaker	10 Watt	None	16 Watt
What's in the box?	Cable cover, Computer cable, Main unit, Power cable, Quick Start Guide, Remote control incl. batteries, User Manual (CD-ROM)	CD Manual, Cable cover, Power cable, Quick Start Guide, Remote control incl. batteries	CD Manual, Main unit, Power cable, Quick Start Guide, Remote control incl. batteries, Warranty card
Room type / application	Boardroom, Large Meeting Room / Auditorium, Meeting room / Classroom, Signage / Retail, Visitor Attraction	Boardroom, Large Meeting Room / Auditorium, Projection Mapping, Rental / Staging, Signage / Retail, Visitor Attraction	Boardroom, Large Meeting Room / Auditorium, Meeting room / Classroom, Signage / Retail, Visitor Attraction
Colour	White	White	White
TCO certified	Yes	Yes	Yes
Warranty	Extended to 5 years	Extended to 5 years	Extended to 5 years

ALR screens specifications



Image Size (inches diagonal)	Image Size (mm width x mm height)	Screen Size (mm width x mm height)	Aspect Ratio	Frame	Film Type	Surface type	Screen weight (net)	Peak gain	Horizontal half-gain angle
100" SN STW	2214 x 1245	2250 x 1281	16:9	10x30 Black alu	08-85	Semi-rigid	13kg	0.5	85
110" SN STW	2435 x 1370	2471 x 1406	16:9	10x30 Black alu	08-85	Semi-rigid	14kg	0.5	85
120" SN STW	2651 x 1491	2687 x 1527	16:9	10x30 Black alu	08-85	Semi-rigid	15kg	0.5	85
100" SN Core	2214 x 1245	2374 x 1405	16:9	Black sand*	08-85	Semi-rigid	16kg	0.8	85
110" SN Core	2435 x 1370	2595 x 1530	16:9	Black sand*	08-85	Semi-rigid	18kg	0.8	85
120" SN Core	2657 x 1494	2817 x 1654	16:9	Black sand*	08-85	Semi-rigid	20kg	0.8	85
100" SN One	2214 x 1245	2254 x 1285	16:9	Black Alu	08-85	Hard	22kg	0.8	85
100" SN One	2214 x 1245	2274 x 1305	16:9	Silver Alu	08-85	Hard	22kg	0.8	85
110" SN One	2435 x 1370	2475 x 1410	16:9	Black Alu	08-85	Hard	26kg	0.8	85
110" SN One	2435 x 1370	2495 x 1430	16:9	Silver Alu	08-85	Hard	26kg	0.8	85
120" SN One	2657 x 1494	2697 x 1534	16:9	Black Alu	08-85	Hard	30kg	0.8	85
120" SN One	2657 x 1494	2717 x 1554	16:9	Silver Alu	08-85	Hard	30kg	0.8	85
100" SN Blade	2214 x 1245	2214 x 1245	16:9	Frameless	08-85	Hard	17kg	0.8	85
110" SN Blade	2435 x 1370	2435 x 1370	16:9	Frameless	08-85	Hard	21kg	0.8	85
120" SN Blade	2657 x 1494	2657 x 1494	16:9	Frameless	08-85	Hard	25kg	0.8	85
100" SN Flex Classic 3.0	2214 x 1245	2674 x 95 x 95	16:9	230V	08-85	Hard	14kg	0.8	85
120" SN Flex Classic 3.0	2612 x 1469	3072 x 95 x 95	16:9	230V	08-85	Hard	16kg	0.8	85

Click [here](#) to view our **ALR screen selector**

For screen sizes above 120" please contact us [here](#)

* Black sand is standard but other colour options are available: Black velvet, Silver aluminium, White sand.

Mount specifications

Standard mounts are included for all typical room types.



CLD Standard projector lens mounts

Product	Description	Specification	Dimensions (mm, D x W x H)	Weight (Kg)	Ceiling to top of projector (mm)
ELPMB22	Standard ceiling mount	Stylish, high quality powder coated finish Manufactured from high grade steel for optimal strength Highly adjustable to ensure simple installation and perfect alignment	342 x 210 x 150	3.5	150 Extension pole options available
ELPMB30	Low profile ceiling mount	The low profile mount reduces the space between the ceiling and the projector, giving the appearance of a seamless installation Manufactured from high grade steel for optimal strength A multitude of possible adjustments ensures simple installation and perfect alignment	342 x 230 x 50	3.5	55

CLD ultra short throw (UST) projector lens mounts

Product	Description	Specification	Dimensions (mm, D x W x H)	Weight (Kg)	Total installed depth (mm, approx for 100" - 120")
ELPMB53	Wall mount for UST projector	Stylish, high quality powder coated finish Manufactured from high grade steel for optimal strength Highly adjustable to ensure simple installation and perfect alignment	437 x 494 x 172	7.9	730 - 900

Other mount models may be supplied subject to customer requirements.



Visual Displays - seeing is believing



VISUAL DISPLAYS

Visual Displays Limited
Unit 7, i-Worx
Innovation Way
Wootton, Beds
MK43 9SP
UK

E: sales@visualdisplaysltd.com

T: +44 (0)1234 581 000

V10.20

NB All specifications subject to alteration without notice. Please check at time of ordering.

www.visualdisplaysltd.com