



VISUAL DISPLAYS

Up to **75%**  
below the cost  
of the same  
size LED screen

# Complete Laser Displays **XL**

Simply the best large-screen display  
solutions for Higher and Further Education



# The best large-screen option for HE & FE



**VISUAL DISPLAYS**

The number one choice for universities and colleges because they are the very best displays for learning and teaching - and at a fraction of the cost of flat panel and large format displays.

## **Bigger, cheaper, better...**

### **Size does matter**

for maximum readability  
and sightlines



Extra large displays, of any size from 130", that carry clearly readable content to the farthest corners of every teaching space on campus. Choose **CLD XL** for displays that deliver exceptional teaching and learning user experiences and tick every box on AVIXA's DISCAS and PISCR/ISCR standards!

To achieve the best result, display resolution must match content, if not sharpness and quality are damaged.

LED screen size is restricted to its resolution multiplied by pixel size, for example, 130" dvLED display size is fixed by its 1.5mm pixel size. This limitation on size means that while LED displays are perfect for signage, they can be problematic for serious content, where one size does not fit all.

**CLD XL** scales to any size, always maintaining resolution. The correct choice for teaching and learning, so you can choose the right size display for your needs, up to any size.

### **Huge cost savings**

compared to equivalent  
FPD/dvLED



**CLD XL** - budget-friendly displays at all sizes with no compromise on performance.

Why pay more when you can get premium ALR laser display technology for a fraction of the cost of the same size LED screen? In fact, with **CLD XL**, the bigger you go, the better value you get. Plus, our displays use less than 1/3 of the power, are quick to install and maintenance-free.

#### **Comparative costs**

**130" Branded LED Display**  
£50,000 - £73,000 + VAT RRP

**130" CLD XL Display**  
starting £16,400 + VAT RRP

**180" CLD XL Display**  
starting £28,700 + VAT RRP

### **A better experience**

with optimised viewing from  
everywhere in the room



This is not your average projected display. **CLD XL** features a powerful combination of laser projection with ambient light rejecting optical screen technology, to eliminate the problem of washed-out images even in brightly lit conditions, and exceed AVIXA's ISCR and PISCR image contrast standard - the gold standard for image quality.

Optimised for comfortable viewing, viewers can sit closer to the screen than with LED displays and the non-reflective screen means no 'cheap seats' created by distracting reflections from lighting and daylight (as with FPD/LED).



# What's included?



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As the name suggests, the Complete Laser Display XL is a flexible solution that includes everything you need to create an exceptional extra-large screen viewing experience. As your expert displays partner, we work with you to fully understand your requirements and guide you to exactly the right solution.

## Screen

Choose your preferred dnp Supernova ambient light rejecting (ALR) optical screen. These true ALR screens provide up to 7x the image contrast of conventional projection screens, offering outstanding image quality, even in brightly lit spaces which makes them the ideal choice for educational environments. The range includes framed, frameless and electric drop-down screens.

### Each Complete Laser Display XL bundle includes

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

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

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

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

## Projector

Epson high brightness 3LCD laser projector. Epson projector management software allows you to remotely monitor and maintain the largest display estates, including receiving automatic email alerts. With their iProjection software you can add interactivity and collaboration. Plus, a 5 year warranty gives complete peace of mind.

## Mount


Complete Epson mounting solution (for UST or standard lens projector).

### Optional extras include:

Installation CAD drawings, site survey, installation, furniture and bespoke framework.



Features	Comparative LED product	130" CLD XL Display		180" (4m wide) CLD XL Display	
	130" Branded LED Display	130" CLD XL Basic Display	130" CLD XL UST Display	180" CLD XL Basic Display	180" CLD XL UST Display
Image size	2.88 x 1.62m	2.88 x 1.62m	2.88 x 1.62m	4m x 2.2m	4m x 2.2m
<b>Price</b>	<b>£50,000 - £73,000 + VAT RRP</b>	<b>£16,400 + VAT RRP</b>	<b>£26,200 + VAT RRP</b>	<b>£28,700 + VAT RRP</b>	<b>£37,200 + VAT RRP</b>
Resolution	1920 x 1080 (HD)	3860 x 2160 (UHD 4K [pixel shift])	3860 x 2160 (UHD 4K [pixel shift])	3860 x 2160 (UHD 4K [pixel shift])	3860 x 2160 (UHD 4K [pixel shift])
Pixel pitch	1.5mm	0.75mm	0.75mm	1.03mm	1.03mm
Closet viewing distance	3.7m - 4.6m	2.2m	2.2m	2.2m	2.2m
Farthest viewing position	9.7m	9.7m	9.7m	13.4m	13.4m
Max brightness (luminance)	600 nit	383 nit	308 nit	342 nit	267 nit
Max brightness needed under 300-500 lux downlighting	190 - 320 nit	190 - 320 nit	190 - 320 nit	190 - 320 nit	190 - 320 nit
ANSI ISCR/PISCR Contrast (min required 15:1)	not stated	34	35	32	32
Max viewing angle	170 deg	170 deg	170 deg	170 deg	170 deg
Weight	105-125kg	17kg (projector) / 29kg (screen)	24kg (projector) / 55kg (screen)	24kg (projector) / 42kg (screen)	24kg (projector) / 103kg (screen)
Power	3000 W	416 W	626 W	908 W	1024W

	At a glance	CLD XL at a glance
<b>COST</b>	High price £50-£70K + VAT RRP	A fraction of the cost of LED equivalents. Starting from £16,400 + VAT RRP
<b>WEIGHT</b>	Heavy - walls may require structural reinforcement	Lightweight screens and projectors for trouble-free installation anywhere
<b>POWER</b>	Higher power requirement and running costs	Low power requirements meaning cheaper and environmentally-friendly operation
<b>RESOLUTION</b>	Only HD 1920x1080	UHD 4K - 3860x2160px and use ambient light-rejecting screen technology
<b>VIEWING DISTANCE</b>	Viewers need to sit farther from the screen	Viewers can sit closer to the screen, therefore all of the room is utilised

# Why use ALR screens?

Using ambient light rejecting screen technology (ALR) is absolutely essential to achieve the best result.

Any system is only as good as its weakest link. Using standard front projection screens in areas with high ambient light levels means that however powerful the projector is, the on-screen images will be washed out and disappointing, unless you can put blinds on all the windows and dim the lights.

Our **CLD XL** bundles feature dnp Supernova optical screens, the world's best ALR screens that enhance the image for optimum viewing and provide up to 7 times the contrast of conventional front screens.

This award-winning technology delivers consistently flawless images enabling you to project clearly readable content even in brightly-lit environments - giving the best on-campus teaching and learning user experience.



**4K Resolution**  
Pixel shift technology

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

Viewers look at the **screen**

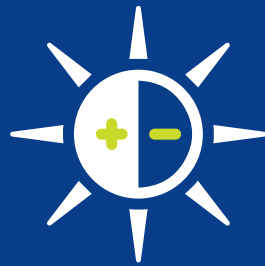


not the **projector** 


Future-proof your investment with our long-lasting screens which provide the very best in image quality, without compromise.

The latest maintenance-free laser projection technology provides correct resolution at any size and delivers powerful, vivid images, even in the largest of spaces.

With ALR screen technology you achieve optimised image brightness, without causing eye strain, in conformance with the new WELL Building Standard v2.



**Optimised image brightness**

for all day viewing 

For screen sizes to 120" see our **CLD brochure**

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



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## Let us be your guide

Visual Displays can guide you away from the common pitfalls and mistakes when choosing the correct display for your space.

With years of standards-based knowledge and vast displays expertise we will create and guarantee the very best results, with a bespoke solution that gives your viewers the best overall viewing experience.

Can you see me at the back?

Low-quality washed out images

Eye-strain

'Cheap seats'

Contact our expert team on **01234 581 000** to discuss your next project

**The greenest and most environmentally-beneficial display technology**

Our **CLD XL** range offers the lowest cost at every phase, from installation, through running and maintenance costs, to end of life disposal.







Visual Displays - seeing is believing



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