DA-LITE

FOR YOUR IMAGE™

Screen Surface Selection
Feature Icons Guide

Screen Surface Selection Feature Icons Guide

Looking for a quick reference tool for identifying screen surface technology features that best support your projects? Simple graphic icons are associated with each Da-Lite screen surface on LegrandAV.com to at-a-glance identify the best uses for each screen surface (Figure 1).

Parallax Stratos 1.0
Half Angle: 30° | Gain: 1.0

DA-LITE

Parallax® Stratos 1.0 is a Contrast Based, 80% ALR surface engineered for high value, large scale projects. This surface is available up to 16' H in a variety of products, including Da-Lite's core lineup of electric screens and fixed frames to expand your product portfolio and installation applications. Appropriate for standard throw projection (1.0:1 or greater). Parallax Stratos 1.0 can be gently cleaned with water, and is mildew resistant.

This surface has achieved GREENGUARD GOLD Certification.

Horizontal Half Angle: 30° | Vertical Half Angle: 30° | Ambient Light Rejection: 80%

Become familiar with Parallax - our premium line of ALR screen surfaces.

Figure 1

Here, we break down the legend (Figure 2) to define each of these features, ideal surfaces for each feature and supporting materials.

Screen Surface Technology Feature Legend

ALR	Digital Signage	Interactive/Writable	Acoustically Transparent	Recommended for Edge Blending

Large Venue	Front Projection	Flexible Rear Projection	Recommended for Laser Projection	Suitable for Laser Projection

Lens – Ultra Short Throw (UST) (0.4:1 or less)	Lens – Short Throw (0.4-1.0:1)	Lens – Standard Throw (1.0:1 or greater)

Figure 2

Ambient Light Rejection

This screen surface features Ambient Light Rejection (ALR) properties, which means it can separate light in the environment from projected light. Ambient light is the light in an environment which may be natural (sunlight) or artificial (interior room lights). This value is measured as a percentage. For example, Parallax® Pure 0.8 features an ALR value of 96%, meaning the screen surface rejects 96% of the environmental light.

Learn more about ALR:

White Papers, Guides and ebooks	• Projection Screen Academy: Ambient Light Rejection
Blog	• Parallax Pure & Parallax Stratos: A Quick Guide to Selecting ALR Screens
Brochure	• Parallax
Case Study	• University Selects Parallax for Light-Filled Library
Videos	• Parallax Under Projection Versus Standard Projection • Parallax Premium Line of ALR Screen Surfaces • Introducing Parallax Stratos – Contrast Based, Large Scale ALR

Our premium family of ambient light rejecting screen surfaces is Parallax®:

Parallax Pure (True Optical)

Parallax Pure 0.8

Parallax Pure 2.3

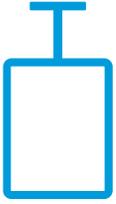## Parallax Stratos (Contrast Based)

Parallax Stratos 1.0

Parallax Pure UST 0.45

Digital Signage

Digital signage is the electronic display of digital images, videos, text, weather, menus, etc. – often found in restaurants, retail, wayfinding, etc. Projection systems are often installed as large-scale digital signage solutions when content is larger than standard flat panel sizes. ALR screen surfaces are best suited for these displays, as they are usually installed where controlling environmental light is a challenge.

Learn more about projection for digital signage:

Solutions	• Digital Signage

Explore our screen surfaces ideal for digital signage:

Parallax Pure 0.8

Parallax Pure 2.3

Parallax Pure UST 0.45

Parallax Stratos 1.0

Interactive/Writable

An interactive/writable screen surface technology is optimized for immersive and collaborative environments. This multipurpose surface is designed specifically for ultra short throw projectors. Classrooms and meeting rooms typically provide an ideal environment for this type of touch interactive projection.

Learn more about these multipurpose screen surface solutions:

White Paper	• IDEA Screen in an Interactive Classroom Setting
Case Studies	• Grace College Partners with Da-Lite to Enhance Interactive Learning • IDEA Panoramic Screens Transform Collaborative Learning Space at Cal Poly Pomona • Saint Louis University Relies on IDEA Screens to Enhance Classrooms
Video	• IDEA Screen | Interactive Whiteboard Projection Screen

Explore our interactive/writable screen surface:
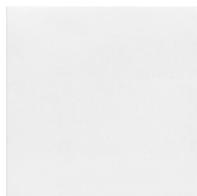
IDEA

Acoustically Transparent

Micro perforation in the screen surface that allows for speakers to be placed behind a screen.

Explore our acoustically transparent screen surface solution:
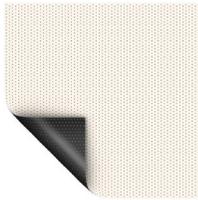
**HD Progressive
1.1 Perf**

Recommended for Edge Blending

Edge blending features a screen surface where the images of more than one projector are overlapped together to create a seamless projected image. Screen surfaces with very wide viewing angles are ideal for this application.

Explore our screen surfaces ideal for edge blending:

HD Progressive 0.6

HD Progressive 0.9
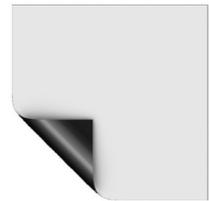
HD Progressive 1.1

HD Rental

Dual Vision
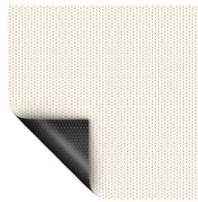
HD Progressive 1.1 Perf

Parallax Pure 0.8

Parallax Pure UST 0.45

Large Venue
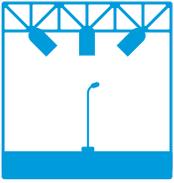
Screen surfaces typically over 200" diagonally in 16:9 and 16:10 format. These solutions are found in live events or performing arts spaces, lecture halls or auditoriums, houses of worship, etc.

Learn more about large venue applications:

Case Studies	• Exceptionally Large Tab-Tensioned Screen for Police Academy • Four Winds Casino

Explore our screen surfaces ideal for large venue:

HD Progressive 0.6

HD Progressive 0.9

HD Progressive 1.1

HD Progressive 1.1 Contrast
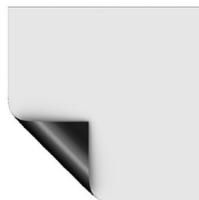
HD Progressive 1.3

HD Rental

Dual Vision

Parallax Stratos 1.0

Da-Mat

Da-Tex

Matte White

Front Projection

F

Two-piece projection where the projector is placed in front of the screen surface.

Explore our screen surfaces designed for front projection:

HD Progressive 0.6

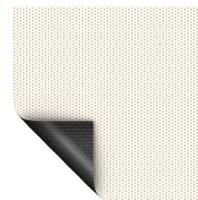**HD Progressive 0.9**

HD Progressive 1.1

HD Progressive 1.1 Contrast
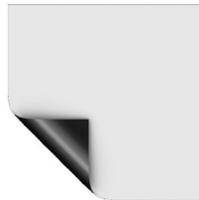
HD Progressive 1.3

HD Rental
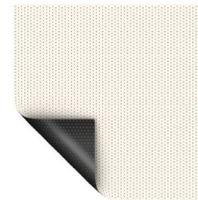
HD Progressive 1.1 Perf

Parallax Pure 0.8

Parallax Pure 2.3

Parallax Pure UST 0.45

Parallax Stratos 1.0
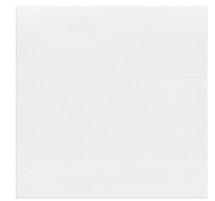
IDEA

Da-Mat

High Contrast Matte White

Matte White

Rear Projection

R

Two-piece projection where the projector is placed behind the screen surface.

Explore our screen surfaces designed for flexible rear projection:

Dual Vision

Da-Tex

Explore our screen surfaces designed for rigid rear projection:

DA-50 WA

DA-75 WA

DA-100 WA

DA-100

DA-130

DA-150
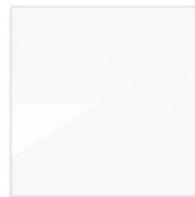
DA-180

DA-230
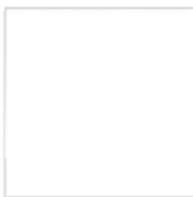
Video Vision

Recommended for Laser Projection

A near perfect screen surface optimized for laser projection, as there is little to no speckle interference in the projected image. Speckle is a granular pattern which can sometimes be observed when a laser illuminated projected image is distorted because of roughness or irregular texture in the screen surface.

Explore our screen surfaces recommended for laser projection:

HD Progressive 0.6

HD Progressive 0.9

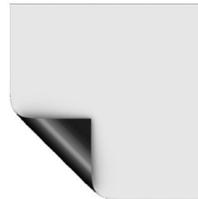**HD Progressive 1.1**

HD Progressive 1.1 Contrast
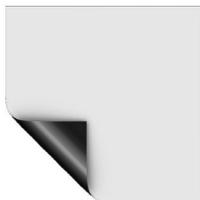
HD Rental

Dual Vision

HD Progressive 1.1 Perf

Parallax Pure 0.8

Parallax Pure UST 0.45
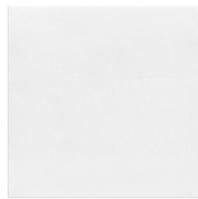
IDEA

DA-50 WA

DA-75 WA

DA-100 WA

DA-100

Suitable for Laser Projection
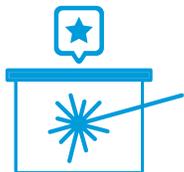
A screen surface optimized for laser projection where, to the discerning eye, a small amount of speckle interference *may* be detected in the projected image. Speckle is a granular pattern which can sometimes be observed when a laser illuminated projected image is distorted because of roughness or irregular texture in the screen surface.

Explore our screen surfaces suitable for laser projection:

HD Progressive 1.3

Parallax Pure 2.3

Parallax Stratos 1.0

Lens – Ultra Short Throw (UST) (0.4:1 or less)

UST

An ideal solution for narrow spaces, relative to the screen surface. For example, if the screen is 100" (254 cm) wide, the projector lens would be 40" (101.6 cm) or less away from the screen surface.

Explore our ultra short throw screen surfaces:

HD Progressive 0.6

HD Progressive 0.9
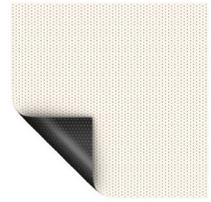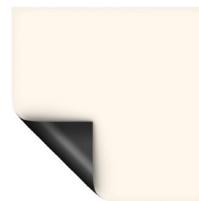
HD Progressive 1.1

HD Progressive 1.1 Contrast

HD Progressive 1.3

HD Rental

Dual Vision
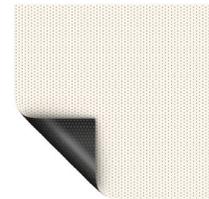
HD Progressive 1.1 Perf

Parallax Pure UST 0.45

IDEA

Da-Mat

DA-50 WA

DA-75 WA

DA-100 WA

Lens – Short Throw (0.4-1.0:1)

Short

An ideal solution for where the projector is near the screen surface, but not directly above or below the screen surface. For example, if the screen is 100" (254 cm) wide, the projector lens would be 40" – 100" (101.6 – 254 cm) away from the screen surface.

Explore our short throw screen surfaces:

HD Progressive 0.6

HD Progressive 0.9

HD Progressive 1.1

HD Progressive 1.1 Contrast
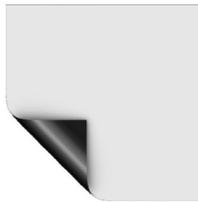
HD Progressive 1.3

HD Rental

Dual Vision

HD Progressive 1.1 Perf

Da-Mat

DA-50 WA

DA-75 WA

DA-100 WA

Lens – Standard Throw (1.0:1 or greater)

Standard

An ideal solution for most standard spaces and long distances relative to the screen surface. For example, if the screen is 100" (254 cm) wide, the projector lens would be 100" (254 cm) or more away from the screen surface.

Explore our standard throw screen surfaces:

HD Progressive 0.6	HD Progressive 0.9	HD Progressive 1.1	HD Progressive 1.1 Contrast
HD Progressive 1.3	HD Rental	Dual Vision	HD Progressive 1.1 Perf
Parallax Pure 0.8	Parallax Pure 2.3	Parallax Stratos 1.0	Da-Mat
Da-Tex	High Contrast Matte White	Matte White	DA-50 WA
DA-75 WA	DA-100 WA		

Want to see how all of our screen surfaces compare?

[Click here](#) for our
Screen Surface Technology Chart.

Screen Surface Technology

Find our Screen & Surface Selection Tools by visiting **www.legrandav.com/da-lite-tools**, including our Screen Surface Selection Calculator.