

Bring out the colors, even with the lights on
PREMIUM AMBIENT LIGHT REJECTION TECHNOLOGY



Consider the contrast in projection

Too much light in a room will interfere with the projected light and decrease the contrast in the image.

A projector cannot project 'black' and because of this, the darkest parts in the projection is created by shadows or the lack of light. If there is a lot of ambient light in a room, this shadow will be brighter and visually closer to the brightest white in the projection, decreasing contrast and detail. This cannot be solved by a brighter projector or a higher gain screen material, but only by using a projection surface that handles ambient light. There are two types of ALR projection surfaces:

True Optical ALR

A True ALR projection surface has a dedicated layer that physically blocks the unwanted light and only allows the projected light to be reflected towards the audience. Parallax is made up of multiple micro-layers to achieve its light blocking properties and superior viewing angles. Each layer plays a role in preserving the image that is reflected to the viewer in high ambient light environments. Some layers absorb light while one special layer is shaped like a microscopic saw-tooth that blocks light from above resulting in the preservation of high-contrast, bright images in brightly lit environments.

Parallax Pure 0.8

Gain: 0.8 | Horizontal Viewing Angle: 170°

For standard throw projectors
(1.5:1 throw or greater)

- 34° vertical angle
- Less than 2% color shift
- Available in sizes up to 120" diagonal
- Laser projection recommended



Parallax Pure UST 0.45

Gain: 0.45 | Horizontal Viewing Angle: 160°

For ultra-short-throw projectors
(0.4:1 throw or less)

- 110° vertical angle
- Less than 2% color shift
- Available in sizes up to 120" diagonal
- Laser projection recommended



Contrast Based ALR

Diffusive projection surfaces with a grey base boost the black values of a projected image to counter the lost contrast caused by ambient light. The contrast-ratio is expanded as the darker tint of the surface increases the black-levels. However, as the surface does not physically block light, the measured ALR rating will be lower than True ALR. These vinyl projection surfaces are available in large sizes and are 16K ready.

Parallax Stratos 1.0

Gain: 1.0 | Viewing Angle: 60°

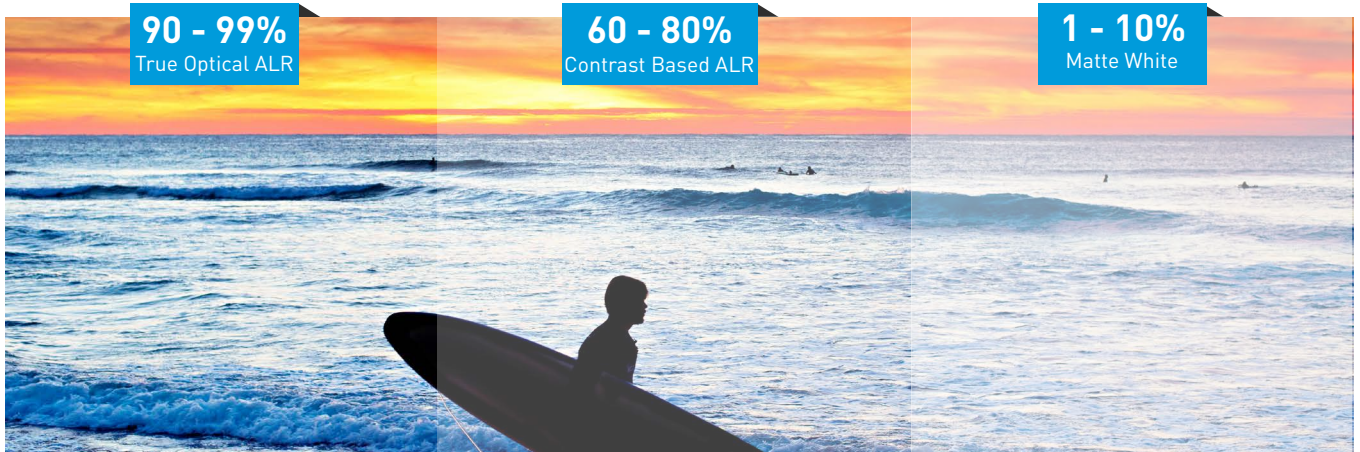
For standard throw projectors
(1.0:1 throw or greater)

- Large format ALR for contrast enhancement
- Less than 2% color shift
- Available in sizes up to 488 cm high seamless
- Laser projection suitable



ALR in action

Here's what ALR can do for you



Side by side illustration of Ambient Light Rejection surfaces; True Optical ALR screens reject the highest percentage of ambient light, providing the best image contrast, color saturation and dynamic range.

ALR Fixed Frame Screens



Parallax Pure / True ALR

- Available with Parallax 0.8 and Parallax 0.45 UST up to 120"
- Unassembled shipping and easy installation
- Velour frame finish to absorb light surrounding the viewing area
- Easy to assemble frame

See Parallax spec sheets for sizing information.



HomeScreen Deluxe / Contrast Based ALR

- Available with Parallax Stratos up to 232"
- Unassembled shipping and easy installation
- Velour frame finish to absorb light surrounding the viewing area.
- Easy to assemble frame

See HomeScreen Deluxe spec sheets for sizing information

ALR Electric Screens



Tensioned DescenderPro / Contrast Based ALR

- Ceiling-recessed electric screen
- Available with Parallax Stratos up to 181"
- Comes with all the standard features of the Tensioned DescenderPro

Tensioned Elpro Concept / Contrast Based ALR

- Ceiling or wall mounted electric screen
- Available with Parallax Stratos up to 172"
- Comes with all the standard features of the Tensioned Elpro Concept

PROJECTA

REFLECTING YOUR VISION | legrandav.com

T +31 (0) 495 580 840 F +31 (0) 495 580 845 E av.emea.sales@legrand.com
Franklinstraat 14, 6003 DK Weert, P.O. Box 191, 6000 AD Weert, The Netherlands

© 2019 Legrand AV Netherlands B.V. 180162 Rev A 9/19 Projecta is a registered trademark of Legrand AV Netherlands B.V. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.

legrand | AV

COMMERCIAL BRANDS

Chief | Da-Lite | Luxul | Middle Atlantic | Projecta | Vaddio