

Selecting the Right Screen

EluneVision offers a wide array of screens each with a choice of projection surfaces. Selecting the right combination to meet your needs is important for optimum results.

The following pages offer guidelines for selecting a screen that suits your application. Although these recommendations will work in most situations, each must not be looked at as a strict rule, but rather as a guideline for determining your actual needs based on your own situation.

The Easy Four Steps to Picking the Right Screen

First Step:

First you pick the type of screens that best suits your needs. This can be manual, electric, portable or fixed frame. For example, if you need the screen to be not present when projector is not in use, a manual or electric will best suit your needs. However, if your projection needs require a permanent solution, then fixed frame is your best bet. If you find that you need to move your screen to different locations, then portable screen is the best choice.

Second Step:

Find the best size of based on room dimensions, audience seating arrangement and size. The key is to fit the screen, to not the projector, but to the audience. EluneVision recommends the following two rules for selecting screen size.

- Screen height should be approximately equal to 1/6 the distance from the screen to the last row of seats, allowing text to be read and detail to be seen in the projected image. Ideally, the first row of seats should be approximately two screen heights away.
- The bottom of the screen should be a minimum of 4 feet above the audience floor, allowing those seated toward the rear of the audience to see the screen. This may require additional screen “drop” for ceiling hung screens (see next page for information).

Third Step:

Select the right format: 4:3 or 16:9. Projectors are made to project a 4:3 format or 16:9 format. The screen should match the native aspect ratio of the projector. For example: HDTV is 16:9, most Computer formats are 4:3, NTSC TV is 4:3, PAL TV 4:3, etc.

Fourth Step:

Pick the right material. The next page will go through in detail the differences between the types of screen materials we offer. Select the screen surface that meets your projection and viewing requirements.

Screen Borders and Drop

Black masking borders are standard on most EluneVision front projection screens at no extra charge. Borders enhance the perceived brightness of an image on a screen. The human eye perceives the image to have more contrast and a sharper picture with brighter colours. Borders also allow the projected image to “bleed-off” the screen for professional appearing presentations. Drop is also available on most EluneVision screens. Drop is extra fabric added to the top or bottom of the screen to adjust the screen surface to within normal viewing heights. Drop can be specified in either black or white.



Screen surface can be cleaned.



Flame retardant.



Mildew resistant.








Indicates Goniophotometer reflectance readings. The higher the number, the greater light transmitted to the audience.



Number shows the optimal width of the ideal viewing half angle.

EluneVision High Definition Cinema White

This material gives precise image reproduction without loss of any resolution. With a smooth, white vinyl finish, it provides an incredibly large wide viewing angle. This fabric is highly versatile allowing it to handle a variety of source mediums, both video and data. This material can be rolled due to it being highly flexible. Colours remain bright and vivid, with no shifts in hue. A great choice for multitude of different applications especially when an very large viewing angle is needed. Great for all ambient light environments. Designed for today's most popular projection technologies.

    80  1.2

EluneVision High Definition Cinema Grey

The High Definition Cinema Grey material is designed for today's moderate to high output DLP, LCD, D-ILA, CRT, and LCOS projectors. When video images are the application of screen and when ambient light is moderately controlled, it is a great choice. With its specially designed gray base material and reflective top surface, this screen material is able to provide very good black levels without sacrificing the white level output. This is the choice where high gain is not needed and large viewing angle is a must.

    80  1.1

EluneVision High Definition Vivid Pro-Cinema White

A glass beaded screen surface has the ability to achieve a higher gain by reflecting more of the projected light back along the projection axis, making it a good choice for situations where the projector is placed on a table-top or ceiling mounted. The material produces an image with superb contrast and depth. Glass beads impregnated in the screen's surface provide additional internal reflectance, which results in an unparalleled screen surface for vibrant, life-like colour reproduction with good viewing angles.

   50  2.4

EluneVision High Definition Vivid Pro-Cinema Grey

The High Definition Vivid Pro-Cinema material is designed for today's low to moderate output DLP, LCD, D-ILA, CRT and LCOS projectors. When video images are the application of screen and when ambient light is moderately controlled, it is the superior choice. The screen material provides excellent black levels without sacrificing white level output, due to its specially engineered gray base and top reflective surface. Due to its enhanced black levels and brilliant white levels, this screen surface provides deep life-like colours and greater detail and sharpness to the image. Impregnated with glass beads giving images more vividness and punch. The 100(50 x 2) degree viewing angle also allows for an exceptionally wider seating arrangement. This material is the premium EluneVision material for home theatres.

   50  1.8