

POLACOAT®



OPTICAL DIFFUSION COATINGS

Video Vision:

A special neutral white coating process produces a unity gain screen which is ideal for video projection under controlled light conditions. With an exceptionally wide viewing cone, each seat in the audience will observe a uniform, bright, sharp, image with even color response.

DA-100:

The DA-100 coating is neutral gray in appearance and produces an on-axis gain of 1. This is the most uniform of all diffusion screens with contrast enhancement. This gain is particularly suited to high-resolution applications.

DA-130:

The DA-130 coating is neutral gray in appearance and produces a 1.3 on axis gain and a 34° half angle. This coating is best suited in applications requiring moderate gain and viewing angles.

DA-150:

A neutral gray screen offering an on-axis gain of 1.5, the DA-150 is a surface well suited for applications whose viewing angles are not large but which can benefit from moderate screen gain.

DA-180:

The neutral gray DA-180 screen's center gain is 1.8. This is a particularly good surface when reduced viewing angles can allow for a higher gain performance. The half angle of the DA-180 is approximately ±30° with a generous viewing cone of 60°.

DA-230:

The DA-230 is 2.3 gain, neutral gray screen. This screen's half angle is approximately ±24° with a viewing cone of approximately 50°. Because of its higher gain, the DA-230 can successfully compete with larger amounts of ambient room light than lower gain screens.

WIDE ANGLE POLACOAT® OPTICAL COATINGS

DA-75 WA

A light gray diffusion coating with a .75 gain and 78° viewing angles. DA-75 WA is designed for use in applications where a short throw lens is required. Due to the increased half angles, DA-75 WA performs well with wide format screens. From the viewer's perspective, side-to-side uniformity of the screen is maximized. Ideal for edge blending applications.

DA-100 WA

A light gray diffusion coating that provides a unity gain and 52° viewing angles. This wide angle optical coating is designed for use in applications where a short throw lens is required. Due to the increased half angles, DA-100 WA performs well with wide format screens. From the viewer's perspective, side-to-side uniformity of the screen is maximized. Ideal for edge blending applications.

Note: Custom gain screens available upon request.

Protek II®

Da-Lite's Polacoat screens are standard with a factory applied protective coating to minimize the possibility of accidental surface damage. Protek II is a very abrasion resistant coating applied to the diffusion coating to minimize accidental surface damage. Incidental contact with markers to the surface can be removed if done quickly with denatured alcohol.

OPTIONAL TINT

High Contrast Tint

This feature can significantly enhance the perceived quality of video images. By making the dark elements of an image appear even darker, perceived contrast is increased.

Note: Cannot be used with Video Vision coating.