

Rear Projection Screens



Da-Lite offers a wide range of rigid rear projection screen systems for any need ranging from corporate boardrooms to home theaters. With Da-Lite rear projection screens viewers can enjoy bright, high resolution images without turning the lights off.

Contents

Polacoat	22	Video Vision Ultra	23
Da-View	23	Mirror System	24
Mark 30	23		

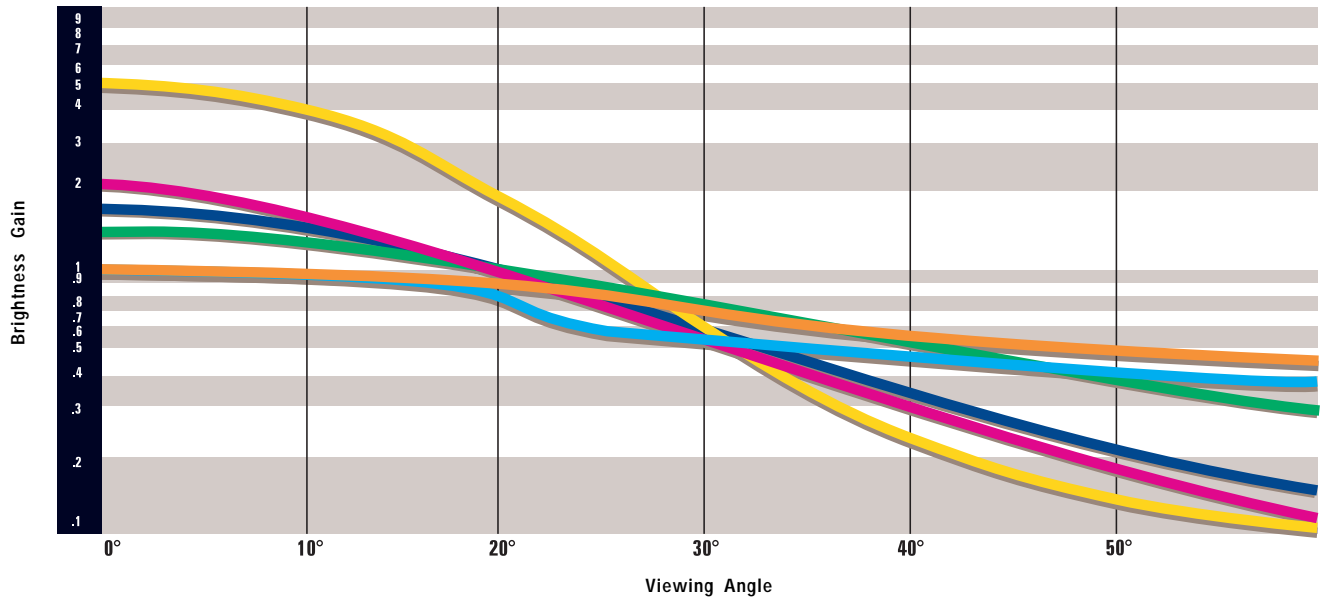
Polacoat®
Multi-purpose Rear
Projection Diffusion Screen

- Diffusion coatings are available for all types of applications with any size screen and a wide range of viewing angles.
- Six unique optical coatings to choose from (see below) to match your application requirements.

- Diffusion coating is permanently bonded to the substrate. Cannot peel off like laminated film or vinyl based diffusion screens.
- Two substrates offered: Da-Glas (glass substrate) available standard in sizes up to 10'H x 20'W and

- Da-Plex (acrylic substrate) available in standard sizes up to 9'H x 18'W. Larger sizes available upon request.
- Three factory framing options are offered: Standard frame, Deluxe frame and Self-trimming frame.

Please contact Da-Lite Sales Partners for pricing and additional specification information.



Optical Diffusion Coatings

Video Vision Ideal for video projection under controlled lighting conditions offering an exceptionally wide viewing cone and a uniform, bright, sharp image with no color shift.

DA-WA N Provides a neutral gray appearance with an on axis gain of 1. Well suited for high resolution applications.

DA-WA A neutral white screen coating providing a 1.5 gain and excellent off axis viewing under controlled, low level ambient light conditions.

DA-1N An ideal coating for multi-image displays where bend angles from some images may be severe. Offers a 1.8 center gain and a generous viewing cone of 60°.

DA-3N Perfect for high ambient room lighting conditions. Offers a 2.3 gain and a 50° viewing cone.

DA-5N Provides a 5.0 gain for extremely bright lighting conditions in narrow viewing applications and/or low lumen output projectors.

Optional Finishes and Tint

PROTEK®

Da-Lite's Polacoat screens are available with a factory applied protective coating to minimize the possibility of accidental surface damage.

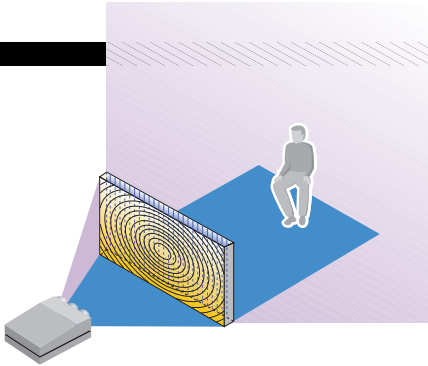
HIGH CONTRAST TINT

This feature significantly enhances the perceived quality of all video images. By making the dark elements of an image appear even darker from the screen's viewing side, the overall contrast is greatly increased. The High Contrast option in no way degrades other performance characteristics of the screen including overall brightness. Because this darkening tint is so noticeably beneficial, it is offered to Da-Lite's customers at no additional charge. *Note: Not to be used with Video Vision or DA-WA coatings.*

UNI-SHIELD

A very abrasion resistant coating applied to the diffusion coating to minimize the accidental surface damage. Incidental contact with markers to the surface can be removed if done quickly with denatured alcohol.

Da-View
*High Gain Profiled
Rear Projection Screen for
Wide Angle Viewing*

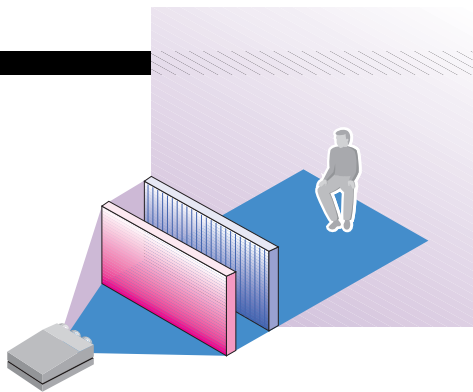


- The screen of choice for single image, wide angle viewing applications and low light projection sources.
- Screen consists of a single acrylic layer with a rear Fresnel lens and lenticulated front profile.
- Two screen models: Da-View 4 offers an on axis gain of 4 and a 60° off-axis angle of view. Da-View 5 offers an on-axis gain of 5 and 28° off-axis angle of view.
- Seamless sizes up to 150" diagonal with alternative short or long Fresnel focal lengths offered to match projector lens.

Available Sizes and Screen Surfaces:

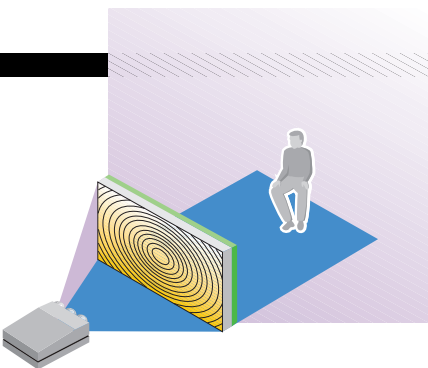
Nominal Diagonal		Da-View 4		Da-View 5		Nominal Diagonal		Da-View 4		Da-View 5	
in./ft.	cm.					in./ft.	cm.				
67"	170	\$2568	\$1969	100"	254	\$8906	\$7552				
72"	183	\$2798	\$2506	120"	305	\$12306	\$10645				
84"	213	\$5506	\$4137	125"	318	\$13537	\$11552				
90"	229	\$6122	\$5552	150"	381	\$32303	\$26897				

Mark 30°
*Combination Diffusion
and Profiled Rear
Projection Screen*



- Perfect for any single or multi-image application where consistent brightness is desirable and high resolution images may be involved.
 - Optically symmetrical screen consists of a lenticulated layer that is laminated to a diffusion layer. Includes special high contrast optical coating to improve projected images.
 - Minimal loss of gain even at 50° off center axis viewing angle for a bright, uniform image.
 - Contains 1,000 lensing elements for every 39" of width to support images from the highest resolution projectors.
 - Seamless sizes up to 8'H x 16'W.
- Please contact Da-Lite Sales Partners for pricing and additional specification information.

Video Vision Ultra®
*Single Element Screen with
Combined Properties of a
Diffusion and Fresnel Screen*



- The optimum solution for single image viewing, especially video projection.
 - Offers wide angle field of view and even brightness with no hot spots or detectable color shift.
 - Screen is constructed of one-piece acrylic for long life with a 4 mil chemically-bonded optical diffusion coating on one side and an integrated Fresnel lens with .5mm pitch on the other.
 - Optical coating will not turn yellow or peel off.
 - On axis gain is 1.0 gain with a 42° half angle field of view.
 - Sizes up to 72" x 96".
- Please contact Da-Lite Sales Partners for pricing and additional specification information.



Commercial Mirror System

Reduce Required Depth in Rear Projection Rooms

- Complete single or double mirror rear projection package that reduces overall depth needed in projection room.
- Adjustable single or double mirror systems offered with a choice of mylar or glass projection grade mirrors.
- Single mirror system base adjusts from minimum of 72" to 108" maximum width and 72" minimum to 120" maximum depth.
- Double mirror system base adjusts from minimum of 60" to 108" maximum width and 72" minimum to 120" maximum depth.
- Includes heavy gauge steel adjustable projector base accommodating projectors with a maximum dimension of 36" wide by 29½" deep.

- Heavy gauge powder coated 1¼" square steel tubing frame for added stability.
- Easy to assemble.
- Complete Design Service available to assist with the overall layout by producing a computerized drawing for each mirror system set-up.

Mirror Descriptions

Mylar Mirrors

Constructed of tough, transparent plastic film with one side metallized. The film is then tensioned over a rigid and stable support structure. Provides a reflectivity of 94%.

Glass Front Mirrors

Constructed of a first surface mirror on glass with a mirror coating consisting of a thin layer of quartz to increase durability of the aluminum finish. Provides a reflectivity of 94% (90% for larger sizes).

Available Sizes:

H x W		Standard Mylar	Standard Glass	H x W		Standard Mylar	Standard Glass
in./ft.	cm.			in./ft.	cm.		
18"	30"	✓	✓	48"	72"	✓	✓
24"	48"	✓	✓	48"	84"	✓	✓
36"	48"	✓	✓	56"	72"	✓	✓
36"	60"	✓	✓	56"	84"	✓	✓
48"	60"	✓	✓				

Note: Other sizes available. Call Da-Lite's Sales Partners for quotation.