DA-LITE ® PROJECTION SCREENS • PRESENTATION PRODUCTS

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Da-Lite > **Educational Materials** > Selecting The Right Screen

Da-Lite 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 be looked at not as a strict rule, but rather as a guideline for determining your actual needs based on your own situation.

For additional help in selecting screens, contact Da-Lite for the free publications "Selecting Front Projection Screens for Today's Presentation Media Applications" or "Selecting Rear Projection Screens for Today's Presentation Applications". Of course, your Da-Lite Sales Partner is also happy to assist you.

Four Steps to the Right Screen

1. Pick the type screen that best suits your particular needs. For example, choose from front projection or rear projection screens in either portable, wall or ceiling mounted models in either manual or electric versions or rear projection. Generally, if your projection application is permanent, then wall and ceiling screens are your best choice. If, however, you find your needs require moving the screen to different locations, then a portable screen is a better alternative.

2. Determine the optimum screen size based on room dimensions, planned audience seating size and arrangement. The rule of thumb is to fit the screen to the audience - not to the projector. Da-Lite recommends the following formula for determining 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.
- 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.

3. Select the appropriate format for your projection application. Common formats are as follows:

Common Applications	Aspect Ratio Width/Height
NTSC Video	1.33
PAL Video	1.33
HDTV Video	1.78
Letterbox Video	1.85
Cinemascope	2.35
35 MM Filmstrip	1.32
2x2 Standard 35MM Double-Frame Slides	1.50

4. Choose the screen surface that best suits your projection and viewing requirements. For your convenience, the front and rear projection pages provide descriptions and performance characteristics for each front and rear screen surface. If the screen will be used for multiple projection methods, choose the screen surface that meets the requirements of the lesser performing projection method. For example, if using a slide projector and a video projector, choose the screen surface for the video projector since its light output is generally less than a slide projector.

- **Front Projection Screen Surfaces**
- **Rear Projection Screen Surfaces**

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Picture King

 Product PDF

 Installation Manual (PDF)

High quality professional tripod screen able to withstand daily usage.

Heavy-duty aluminum extruded legs with toe release mechanism offers a wide stance for maximum stability.

Screen height is adjustable to accommodate any ceiling height with self-locking extension tube and high-low case adjustment.

Built-in fabric lock secures screen fabric during transport and use to prevent shifting.

Carpeted version for rental situations also available.

Matte White, Glass Beaded and Video Spectra 1.5 fabrics will be seamless in all sizes.

High Power fabric up to and including 6' high will be seamless.

HDTV Format Viewing Area H x W		Nominal Diagonal					
in./ft.	cm.	in./ft.	cm.	Matte White	Glass Beaded	Video Spectra 1.5	High Power
45" x 80"	114 x 203	92"	234	✓*	✓	✓	✓*
52" x 92"	132 x 234	106"	269	✓*	✓	✓	✓*

* Carpeted Picture King is available. (Gray carpeted case).

Video Format Viewing Area H x W		Nominal Diagonal					
in./ft.	cm.	in./ft.	cm.	Matte White	Glass Beaded	Video Spectra 1.5	High Power
43" x 57"	109 x 145	72"	183	✓*	✓	✓	✓*
50" x 67"	127 x 170	84"	213	✓*	✓	✓	✓*
60" x 80"	152 x 203	100"	254	✓*	✓	✓	✓*
69" x 92"	175 x 234	120"	305	✓*	✓	✓	✓*

* Carpeted Picture King is available. (Gray carpeted case).

Square Format Size H x W		Matte White	Glass Beaded	Video Spectra 1.5	Super Wonder-Lite	High Power
in./ft.	cm.					
50" x 50"	127 x 127	✓ *	✓	✓	✓	✓ *
60" x 60"	152 x 152	✓ *	✓	✓	✓	✓ *
70" x 70"	178 x 178	✓ *	✓	✓	✓	✓ *
84" x 84"	213 x 213	✓ *	✓			✓ *
72" x 96"	183 x 244	✓ *	✓			✓ *
96" x 96"	244 x 244	✓ *	✓			✓ *

* Carpeted Picture King is available. (Gray carpeted case).

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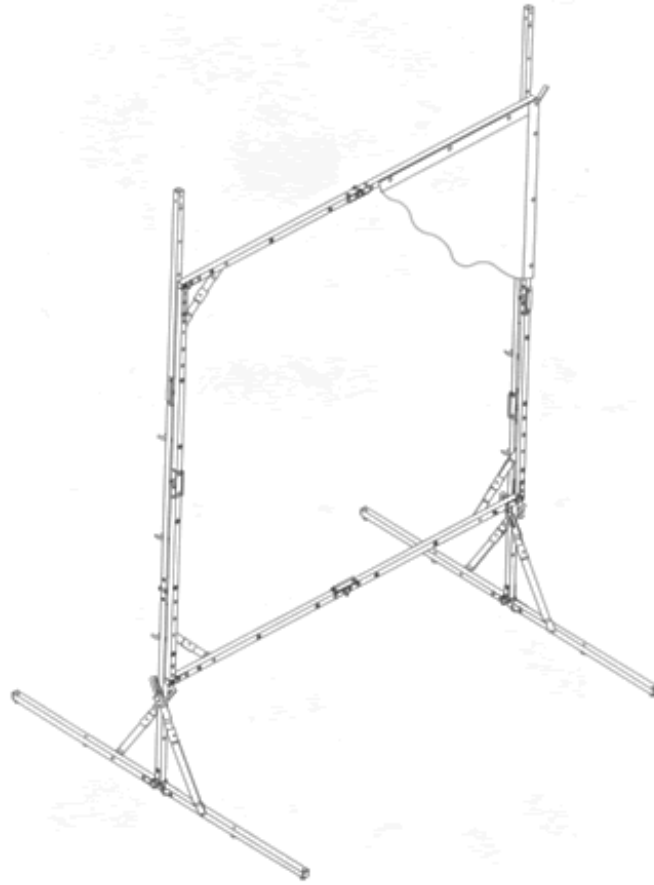
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Standard Fast-Fold Screen System: Specifications

Dimensions					
Overall Size		Net Picture Area		Approx. Ship. Wt.	
Sizes H x W	Cm	H x W	Cm	Lbs.	Kg
54" x 54"	137 x 137	50" x 50"	127 x 127	52	23.59
54" x 74"	137 x 188	50" x 70"	127 x 178	53	24.04
56" x 96"	142 x 244	52" x 92"	132 x 234	56	25.40
72" x 72"	183 x 183	68" x 68"	173 x 173	56	25.40
62" x 108"	157 x 274	58" x 104"	147 x 264	58	26.30
63" x 84"	160 x 213	59" x 80"	150 x 203	56	25.40
5' x 7'6"	152 x 229	56" x 86"	142 x 218	56	25.40
69" x 120"	175 x 305	65" x 116"	165 x 295	64	29.03
83" x 144"	211 x 366	79" x 140"	201 x 356	68	30.85
7' x 7'	213 x 213	80" x 80"	203 x 203	60	27.22
7' x 10'6"	213 x 320	80" x 122"	203 x 310	66	29.94
6' x 8'	183 x 244	68" x 92"	173 x 234	56	25.40
6' x 9'	183 x 274	68" x 104"	173 x 264	58	26.31
8' x 8'	244 x 244	92" x 92"	234 x 234	56	25.4
8' x 12'	244 x 366	92" x 140"	234 x 356	68	30.84
9' x 9'	274 x 274	104" x 104"	264 x 264	56	25.40
7'6" x 10'	229 x 305	86" x 116"	218 x 295	64	29.03
10' x 10'	305 x 305	116" x 116"	295 x 295	70	31.75

9' x 12'	274 x 366	104" x 140"	264 x 356	68	30.84
12' x 12'	366 x 366	140" x 140"	356 x 356	82	37.20
10' 6" x 14'	320 x 427	122" x 164"	310 x 417	78	35.38

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Da-Lite > Product Information > Product Catalog > Fast-Fold Portable Screens > Drapery Presentation Kit

Drapery Presentation Kit

Product PDF

16 oz., fire retardant cotton velour drapery attaches with snaps to Fast-Fold screens to enhance image and project a professional appearance.

Drapery is fully pleated for finished professional look.

Complete kit contains a valance bar, 14" valance drape, wing bars, 30" wide wing drapes and a 45" long skirt. An optional adjustable skirt bar is available to change picture aspect ratio.

Standard colors include blue and black.

Sizes				Kits For Standard Frames		Kits For Truss Frames		Drapery Presentation Accessories		
		HDTV Format Sizes								
For Screen		Overall Ht. w/ 45" Skirt		Without	With	Without Adjustable	With Adjustable	Without Hardware		
in./ft.	cm./m.	in./ft.	cm./m.	Skirt Bar	Skirt Bar	Skirt Bar	Skirt Bar	Wings (Pair)	Valance	Skirt
56" x 96"	142 x 244	9'5"	287	✓	✓			✓	✓	✓
62" x 108"	157 x 274	9'11"	302	✓	✓			✓	✓	✓
69" x 120"	175 x 305	10'6"	320	✓	✓			✓	✓	✓
83" x 144"	211 x 366	11'8"	356	✓	✓			✓	✓	✓
10' x 17'	305 x 518	14'9"	450			✓	✓			
11' x 19'	335 x 579	15'9"	480			✓	✓			
12'3" x 21'	373 x 641	17'	518			✓	✓			
14'6" x 25'	442 x 762	19'3"	587			✓	✓			

Video Format Sizes

For Screen in./ft.	For Screen cm./m.	Overall Ht. w/ 45" Skirt in./ft.	Overall Ht. w/ 45" Skirt cm./m.	Kits For Standard Frames Without Skirt Bar	Kits For Standard Frames With Skirt Bar	Kits For Truss Frames Without Adjustable Skirt Bar	Kits For Truss Frames With Adjustable Skirt Bar	Drapery Presentation Accessories Without Hardware Wings (Pair)	Valance	Skirt
9' x 12'	274 x 366	13'9"	419	✓	✓			✓	✓	✓
10' x 13'	305 x 396	14'9"	450			✓	✓			
10'6" x 14'	320 x 427	15'3"	465	✓	✓			✓	✓	✓
11'6" x 15'	351 x 457	16'3"	495			✓	✓			
13' x 17'	396 x 518	17'9"	541			✓	✓			
16' x21'	488 x 640	20'9"	632			✓	✓			

Video Format Sizes

For Screen in./ft.	For Screen cm./m.	Overall Ht. w/ 45" Skirt in./ft.	Overall Ht. w/ 45" Skirt cm./m.	Kits For Standard Frames Without Skirt Bar	Kits For Standard Frames With Skirt Bar	Kits For Truss Frames Without Adjustable Skirt Bar	Kits For Truss Frames With Adjustable Skirt Bar	Drapery Presentation Accessories Without Hardware Wings (Pair)	Valance	Skirt
54" x 74"	137 x 188	9' 3"	282	✓	✓			✓	✓	✓
63" x 84"	160 x 213	10'	305	✓	✓			✓	✓	✓
7' x 9'	213 x 274	11'9"	358			✓	✓			
6' x 8'	183 x 244	10'9"	328	✓	✓			✓	✓	✓
8'6" x 11'	259 x 335	13'3"	404			✓	✓			
7'6" x10'	229 x 305	12'3"	373	✓	✓			✓	✓	✓

Square Format Sizes

For Screen in./ft.	For Screen cm./m.	Overall Ht. w/ 45" Skirt in./ft.	Overall Ht. w/ 45" Skirt cm./m.	Kits For Standard Frames Without Skirt Bar	Kits For Standard Frames With Skirt Bar	Kits For Truss Frames Without Adjustable Skirt Bar	Kits For Truss Frames With Adjustable Skirt Bar	Drapery Presentation Accessories Without Hardware Wings (Pair)	Valance	Skirt
8' x 12'	244 x 366	12'9"	389	✓	✓			✓	✓	✓
9' x 9'	274 x 274	13'9"	419	✓	✓			✓	✓	✓
10' x 10'	305 x 305	14'9"	450	✓	✓			✓	✓	✓
11' x 11'	335 x 335	15'9"	480			✓	✓			
12' x 12'	366 x 366	16'9"	511	✓	✓			✓	✓	✓

13' x13'	396 x 396	17'9"	541	✓	✓
9' x 25'	213 x 762	13'9"	419	✓	✓

Sizes		Sizes	Square Format Sizes	Kits For Standard Frames		Kits For Truss Frames		Drapery Presentation Accessories		
For Screen		Overall Ht. w/ 45" Skirt		Without	With	Without Adjustable	With Adjustable	Without Hardware		
in./ft.	cm./m.	in./ft.	cm./m.	Skirt Bar	Skirt Bar	Skirt Bar	Skirt Bar	Wings (Pair)	Valance	Skirt
54" x 54"	137 x 137	9' 3"	282	✓	✓			✓	✓	✓
72" x 72"	183 x 183	10'9"	328	✓	✓			✓	✓	✓
5' x 7'6"	152 x 229	9'9"	297	✓	✓			✓	✓	✓
7' x 7'	213 x 213	11'9"	358	✓	✓			✓	✓	✓
7' x 10'6"	213 x 320	11'9"	358	✓	✓			✓	✓	✓
6' x9'	183 x 274	10'9"	328	✓	✓			✓	✓	✓
8' x 8'	244 x 244	12'9"	389	✓	✓			✓	✓	✓

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Fast-Fold Truss Frame Screens

[PDF] **Product PDF**

[PDF] **Installation Manual (PDF)**

Extra heavy-duty, folding 6" truss frames and legs accommodate virtually any size.

Welded 1" aluminum tubing forms a sturdy yet lightweight 6" x 1" truss member for frame and legs.

Frames bolt together with "speedy cranks" to allow easy "set up" and "tear down" without tools. All components fit into durable carrying cases for convenient transport and storage.

Front and rear projection screen surfaces can be interchanged at any time.

Screen can be adjusted up or down in 6" increments.

Includes rugged polyethylene carrying cases.

All surfaces up to and including 12' high will be seamless.

Optional Drapery Presentation Kit gives professional stage front appearance.

Video Format Sizes								
Overall Size H & W		Net Picture Area H & W		Da-Mat	Da-Tex (Rear)	Pearle-scent	Cinema Vision	Dual Vision
in./ft.	cm.	in./ft.	cm.					
13' x 17'	396 x 518	12' x 16'	366 x 488	✓	✓	✓	✓	✓
16' x 21'	488 x 640	15' x 20'	457 x 610	✓	✓	✓	✓	✓
19' x 25'	579 x 762	18' x 24'	549 x 732	✓	✓	✓	✓	✓

HDTV Format Sizes								
Overall Size H & W		Net Picture Area H & W		Da-Mat	Da-Tex (Rear)	Pearle-scent	Cinema Vision	Dual Vision
in./ft.	cm.	in./ft.	cm.					
10' x 17'	305 x 518	9' x 16'	274 x 488	✓	✓	✓	✓	✓
11' x 19'	335 x 579	10' x 18'	305 x 549	✓	✓	✓	✓	✓

Overall Size H & W in./ft.	cm.	Net Picture Area H & W in./ft.	cm.	Da-Mat	Da-Tex (Rear)	Pearlescent	Cinema Vision	Dual Vision
12'3" x 21'	373 x 641	11'3" x 20'	343 x 610	✓	✓	✓	✓	✓
14'6" x 25'	442 x 762	13'6" x 24'	411 x 732	✓	✓	✓	✓	✓

Video Format Sizes								
Overall Size H & W in./ft.	cm.	Net Picture Area H & W in./ft.	cm.	Da-Mat	Da-Tex (Rear)	Pearle-scent	Cinema Vision	Dual Vision
7' x 9'	213 x 274	6' x 8'	183 x 244	✓	✓	✓	✓	✓
8'6" x 11'	259 x 335	7'6" x 10'	229 x 305	✓	✓	✓	✓	✓
10' x 13'	305 x 396	9' x 12'	274 x 366	✓	✓	✓	✓	✓
11'6" x 15'	351 x 457	10'6" x 14'	320 x 427	✓	✓	✓	✓	✓

Square Format Sizes								
Overall Size H & W in./ft.	cm.	Net Picture Area H & W in./ft.	cm.	Da-Mat	Da-Tex (Rear)	Pearle-scent	Cinema Vision	Dual Vision
9' x 25'	274 x 762	8' x 24'	244 x 732	✓	✓	✓	✓	✓
11' x 11'	335 x 335	10' x 10'	305 x 305	✓	✓	✓	✓	✓
13' x 13'	396 x 396	12' x 12'	366 x 366	✓	✓	✓	✓	✓

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