

Projector Screen Catalogue 2011



Product Catalogue





Abbot & Abbot has ushered onto the path of accelerated growth since its establishment in the year 1964. The logical ideas and effective methods of the Company to handle the managerial activities, have assisted the company to acquire distinguished position amidst the dependable Projection Screen Importers & Suppliers in India. The company has also earned loads of appreciation in the market for dealing in Overhead Projectors & LCD Projectors Ceiling Mounts.

Quality Assurance

The company is also certified to ISO 9001.2008 that further reflects the genuineness of the products and our credibility.

Network

We have a huge and established network that is spread all round the globe. The network is well-supported with transportation facility that has assisted in meeting the requirements of the markets within predetermined time line. The network has also been the prime reason of huge clientele.

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1. Why do we need a projection screen?

By utilizing the latest projection technologies, it is aimed at achieving perfect presentation image, no matter whether in residential or professional occasions. However, this can only be done by combine the projection device with corresponding projection screen, since the projected image needs be reflected on a surface, which will maximize the optical information without losing the quality of pictures.

2. How to select the right projection screen?

1) Choosing the style:

Retractable Screen:

You can choose retractable screen when you do not have a dedicated room for presentation or you just simply want to hide the projection screen when not used. The screen can be wall or ceiling mounted and the fabrics can be retracted back into the housing when not used.

Permanent Screen:

You can choose permanent screen if you have a dedicated room for presentation or you just want the projection screen to be part of your interior designing. The screen will be mounted on the wall and become part of your permanent audio visual setup.

Frequent Applications: Home Cinema, Small Cinema, Presentation Room

Portable Screen:

You can choose portable screen for on-the-road presentation, in a light-weight package without any installation works required.

Frequent Applications: Business Presentation, Outdoor Presentation, Temporary Presentation.

2) Choosing the Format:

Screen format refers to the aspect ratio, or the proportion of width to height of a particular screen. There are several types of standard formats. The best format depends on how you use the screen but according to the popular aspect ratio of many mainstream projection devices, the prevailing three formats of projection screen are in the below:.



Video Format
TV, Computer



Widescreen Format
HDTV, Widescreen Computer



Square Format
Slide Projector

3) Choosing the Dimension:

a. Distance:

According the latest studies at THX and SMPTE (The society of motion Picture and Television Engineers). and Part 1 and 3 of DIN 19045 (Projection of Still Pictures And Motion-Pictures), the distance to the screen is recommended:

Maximum & Minimum Distance:

Maximum Distance: Distance to Screen (D)=Screen Width (W) x 6

Minimum Distance: Distance to Screen (D)=Screen Width (W) x 1.2

Distance between Bottom of Screen and Floor

Maximum Distance: 125cm

Minimum Distance: 90cm

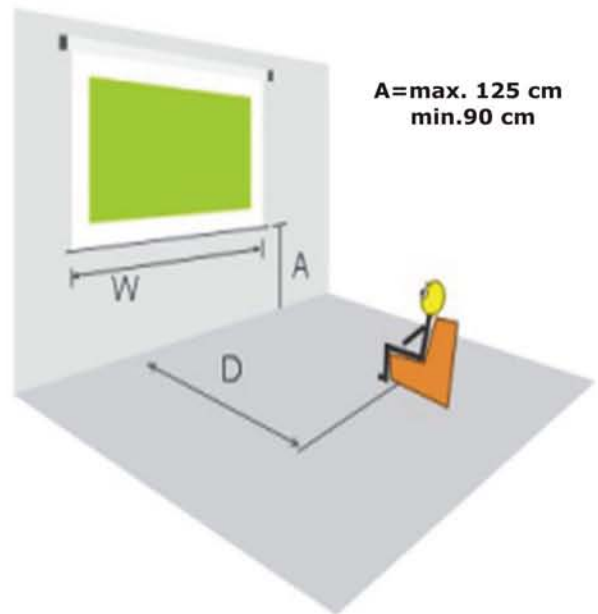
Optimal Distance:

Standard Resolution (above 480p):

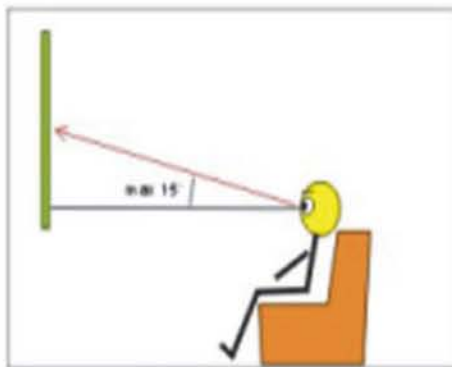
Distance to Screen (D) = Screen Width (W) x 1.87

High Definition Resolution (1080p):

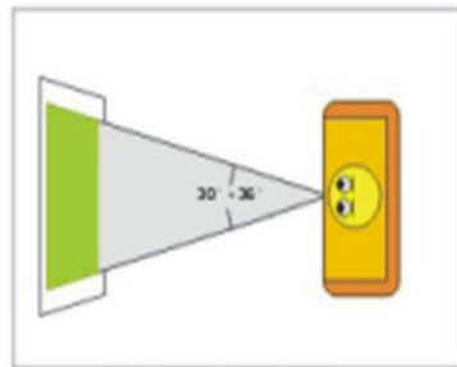
Distance to Screen (D) = Screen Width (W) x 1.54



b. Angle



Vertical: 15°

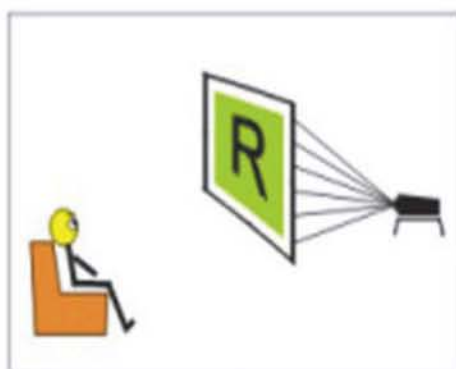


Horizontal: 30° ~ 36°

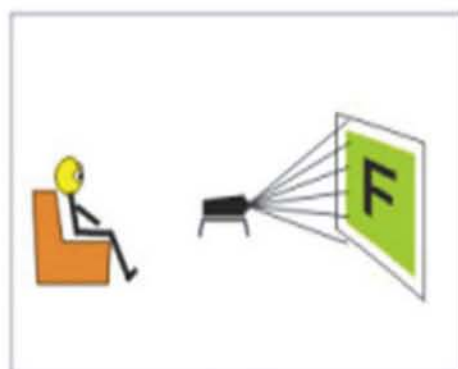
4) Choosing the Fabrics:

Front & Rear Projection

Front projection screen is placed facing the projector. This is a much common type, but allows for obstacles between the projector and the screen to block or obscure the image. Rear projection screen is specially designed to allow the image to be projected from behind the screen. It usually has clearer image than that of front projection, but requires much more room space



Rear



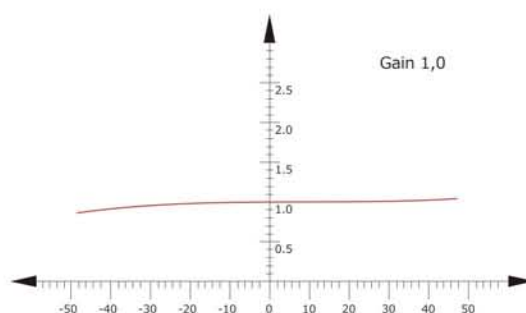
Front

Gain Factor & Viewing Angle

Choosing the right screen fabric type is very important in maximizing the quality of the image you are projecting. The two most important qualities of a specific fabric are its gain and viewing angle. Gain is a measurement of how reflective a screen is, which informs you of the luminance of the projection screen in comparison to a standard matt white coating. The higher the gain, the brighter the image is. However, as gain goes up, viewing angle goes down. Viewing angle refers to the maximum angle from center up to which the image appears clearly. The following diagram will show the relation between Gain Factors and Viewing Angle in our major fabrics types:

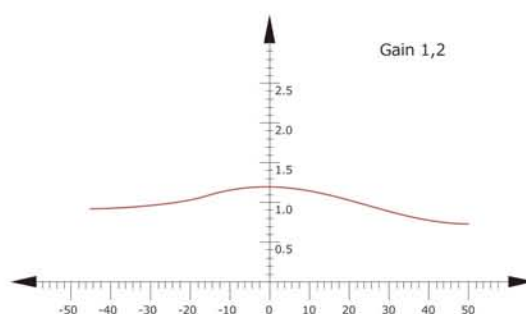
Pure View

- Gain: 1.0
- Viewing Angel:160°
- Weight:500g/m'
- Thickness:0.44 mm



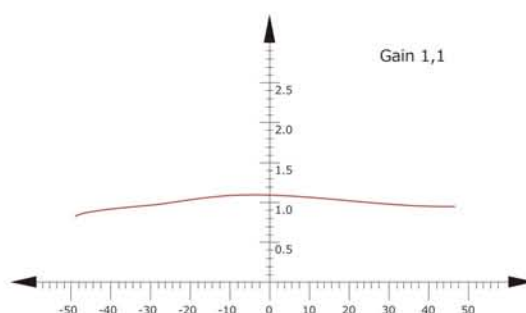
Bright View

- Gain: 1.2
- Viewing Angel:140°
- Weight:480g/m'
- Thickness:0.4 mm



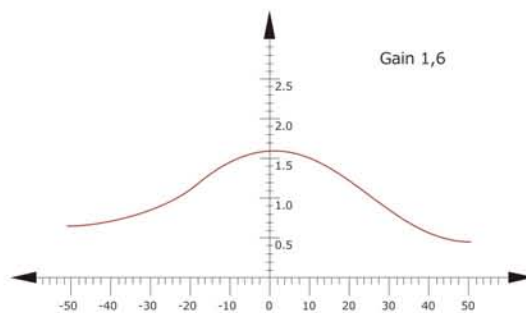
True View

- Gain: 1.1
- Viewing Angel:120°
- Weight:430g/m'
- Thickness:0.3 mm



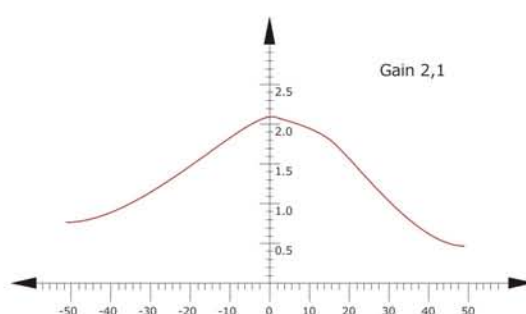
Rear View

- Gain: 1.6
- Viewing Angel:120°
- Weight:440g/m'
- Thickness:0.32 mm



Glass View

- Gain: 2.1
- Viewing Angel:80°
- Weight:530g/m'
- Thickness:0.65 mm



Odyssey Series



- Standard powder-coated housing, in octagonal or square style.
- Heavy-duty synchronized motor, quiet and smooth operation. Tubular motor is available for options.
- Matt White Fabrics. Non-glossy and hotspot-free, rendering clean and vivid image. Dew-resistance and fire-retardant, tested according to DIN 4102.
- Various controlling system to choose: hand switch; IR or RF remote controller; built-in or external remote signal receiver.
- Plug'n' Play plug for options, with power cable of customizable length.
- Installation: wall-mounted; ceiling mounted

Odyssey Series						Unit:cm
	Viewing width (W)	Viewing Height (H)	Diagonal (Z)	Mounting Distance (I)	Package (L x W x H)	Gross Weight (Kg)
4:3						
170x127	170	127	84"	195.4	220x16x16	13.4
203x152	203	152	100"	235.4	260x16x16	16.7
244x183	244	183	120"	275.4	320x16x16	19.2
305x229	305	229	150"	315.4	340x16x16	23.9
16:9						
186x105	186	105	84"	215.4	240x16x16	14.9
221x125	221	125	100"	235.4	280x16x16	17.7
265x150	265	150	120"	255.4	300x16x16	20.3
1:1						
180x180	180	180	100"	215.4	240x16x16	14.5
200x200	200	200	111"	235.4	260x16x16	16.6
240x240	240	240	134"	255.4	300x16x16	18.4

* The above data is for reference only and subject to changes.



Synchronized Motor



Tubular Motor



Controlling System



Internal Receiver

Rolltech Series



- Built-in auto-locking system, fast retraction into housing. Optional slow retraction device to control and lock screen more smoothly.
- Matt White fabrics. Non-glossy and hotspot-free, rendering clean and vivid image. Dew-resistance and Fire-retardant, tested according to DIN 4102.
- Steel rolling tube, strong and reliable.
- Wall or ceiling mounted for choice. Safe, strong and reliable mounting.
- Easy pulling-down and retracting of screen thanks to the puller designed according to human engineering.

Rolltech Series						Unit:cm
	Viewing width (W)	Viewing Height (H)	Diagonal (Z)	Mounting Distance (I)	Package (L x W x H)	Gross Weight (Kg)
4:3						
146x110	146	110	72"	162.9	170x16x16	10
171x128	171	128	84"	187.9	195x16x16	11
203x152	200	150	100"	216.9	224x16x16	13.3
244x183	240	180	120"	256.9	264x16x16	14.5
1:1						
127x127	130	130	72"	146.9	154x16x16	10.5
152x152	150	150	84"	166.9	174x16x16	11.5
178x178	180	180	100"	196.9	204x16x16	12.8
213x213	213	213	117"	229.9	237x16x16	15
243x243	243	243	135"	262.9	266.5x16x16	18.3

* The above data is for reference only and subject to changes.



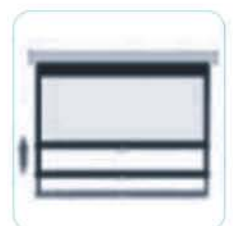
Pulling Bar



Puller



Auto-Locking



Slow Retraction

Roadshow Series



- Ultra portable, floor ascending structure.
- Durable light-weight aluminum housing, packed in nylon carrying bag.
- Unique pneumatic powered supporting system, easy to adjust height.
- Matt White fabrics. Non-glossy and hotspot-free, rendering clean and vivid image. Dew-Resistance and fire-retardant, tested according to DIN 4102 (B1).

Roadshow Series					Unit:cm
	Viewing width (W)	Viewing Height (H)	Diagonal (Z)	Package (L x W x H)	Gross Weight (Kg)
4:3					
120x90	120	90	60"	149x16x16	9
160x120	160	120	80"	189x16x16	11
200x150	200	150	100"	232x16x16	16



Supporter



Supporting System



Nylon Carry Bag



Puller

Standard Series



- Auto-locking device, easy to operate and lock the screen at any desirable height
- Stable and Strong aluminum tripod
- Key eliminator to provide tension mechanism.
- Matt White fabrics Non-glossy and hotspot-free, rendering clean and vivid image. Dew-resistance and fire-retardant, tested according to DIN 4102 (B1).
- Light-weighted and portable for business presentation needs.

Standard Series					Unit:cm
	Viewing width (W)	Viewing Height (H)	Diagonal (Z)	Package (L x W x H)	Gross Weight (Kg)
4:3					
146x110	146	110	72"	171x17x13	6.37
170x127	170	127	84"	202x17x13	7.6
203x152	203	152	100"	239x17x13	9.25
244x183	244	183	120"	270x17x13	12.93
1:1					
178x175	178	178	70"	210x17x13	7.63
213x213	213	213	80"	229x17x13	8.6
244x244	244	244	100"	282x17x13	13.37



Tripod



Key Eliminator



Fixing Part

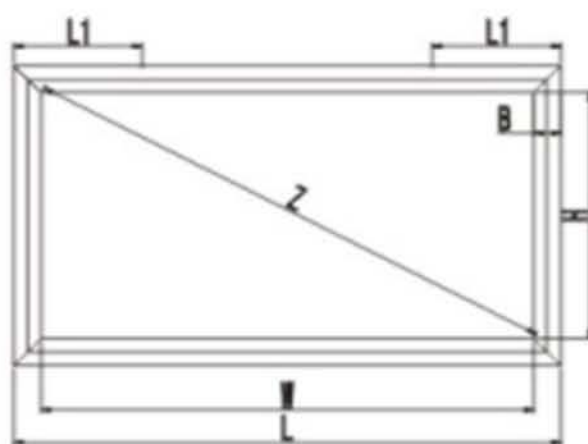


Carrying

Grand Series



- Elegantly designed aluminum frame, covered with black or colorful velvet.
- PVC fabrics. True and vivid reproduction of image under wide angle.
- Tension frame, eliminating waves and shapes on screen surface to maintain maximum flatness.
- Easy installation without any other dangerous parts with potential safety threat.



Grand Series					Unit:cm
	Viewing width (W)	Viewing Height (H)	Diagonal (Z)	Package (L x W x H)	Gross Weight (Kg)
4:3					
144x108	144	108	72"	170x18.8x11	14.1
171x128	171	128	84"	197x18.8x11	14.5
200x150	200	150	100"	226x18.8x11	15
16:9					
160x90	160	90	72"	186x18.8x11	14.1
180x101.3	180	101.3	84"	206x18.8x11	14.4
200x112.5	200	112.5	90"	226x18.8x11	14.7
220x123.5	220	123.5	100"	250x18.8x11	15



Velvet Cover



Connecting Parts

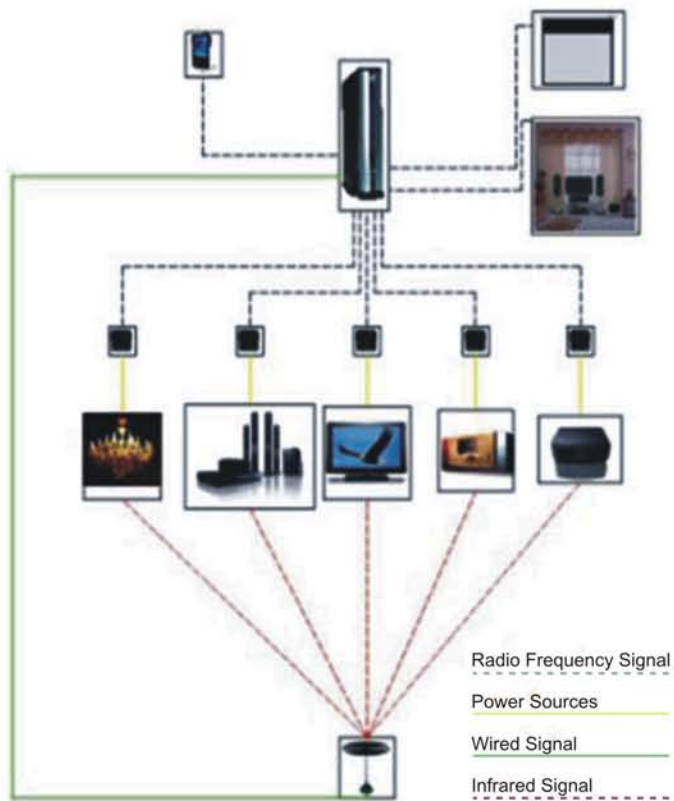


Velvet Color



Tension System

Home Automation



- Small and stylish designing.
- Synchronize screens with projector working statues; compatible with most of modern projector by applying power-detecting technologies.
- Multi-functions to control other electric components inside the home setup.
- Wire or wireless connection for options.
- Installation and Programming free No hassle with settings.





Imported & Marketed by
abbot & abbot

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Dealer Stamp

