



PROCURV

CURVED FIXED PROJECTION SCREENS

SmX Custom Builds Cinemascope Screens

A Cinemascope screen allows you to watch a widescreen movie the way Hollywood intended it to be viewed. Most of today's movies are produced in a 2.35:1/2.39:1 aspect ratio, also known as Cinemascope. In a Cinemascope movie, the image is much wider than it is tall. This is why you see black bars on the top and bottom of the image when viewed on a conventional 16:9 screen.

As the home theater market has become more sophisticated, most home theater designers, installers and integrators are converting their screens to the Cinemascope format to bring the true commercial theater experience home. A Cinemascope screen immerses the viewer into the movie by opening up their peripheral vision. When the speakers are placed behind the screen to restore the correlation between what's seen, what's heard and the point source; the results can emulate or even improve upon what you encounter at the local movie theater.

SmX Cinema Solutions PROCURV

SmX has taken the home theater Cinemascope experience one step further with our PROCURV projection screens. By creating a screen horizontally arched to the radius of the projected image, the SmX PROCURV not only draws the viewer into the movie, but optimizes your projector's performance and yields many other benefits. These benefits include: correction of anamorphic lens distortion, concentration of the projector's light output back to the center of the audience, accurate toeing of speakers behind audio transparent screens.

Performance Beyond the Competition

The combination of any one of SmX's superior projection screen surfaces with our patented PROCURV system, provides a Cinemascope screen that gives you up to 33% more resolution and up to 20% more light from your projector when using an anamorphic lens and video scaler. The SmX PROCURV is available in 20', 30' or 40' radius curves.

SmX Build Quality

Performance and quality are earmarks of all SmX designed products; engineered to out perform, out last and provide a better value proposition. All SmX PROLINE and PROCURV frames are constructed of the highest quality 6063 T-6 heat tempered proprietary alloy extrusions. Our frame walls are one third thicker than the highest priced competitors using lower grade alloy to assure every SmX PROCURV frame has a lifetime of use with no warping, flexing, bending, oxidation or corrosion. This why SmX is able to stand by our Lifetime warranty against manufacturer defects.

Insulated Frames

SmX is the only manufacturer insulating the interior frame to improve the screen's performance. Our patented design features insulation because it not only eliminates the resonance coming from the speakers or screen wall behind the screen, but insulating our frames makes our frames extremely rigid while adding very little weight to them.

True Black Velvet Frame Trim

The boarder around your screen plays a big part in perceived contrast in the image. Since contrast is the difference between the brightest and darkest portion of an image, the blacker the trim, the better perceived contrast. Most screen companies use inexpensive black flock as the black masking trim on their frames. The SmX PROCURV comes wrapped with our True Black velvet to ensure a true life "black hole" frame around your projection screen.

The SmX PROCURV true black velvet trim makes all the other screen companies' flocking trim look grey in comparison. SmX also offers exotic wood veneered finished frames as well as other colored velvets.

PLEASE SEE REVERSE SIDE FOR MORE DETAILS



PROCURV



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MODELS AND SIZING (2.35:1 - 40' radius models below)

| MODEL | Viewable Width | Viewable Height | Diagonal |
|-----------------|----------------|-----------------|-----------------|
| PC40-70-235-CW | 70" (2032mm) | 34" (865mm) | 86.9" (2208mm) |
| PC40-80-235-CW | 80" (2032mm) | 34" (865mm) | 86.9" (2208mm) |
| PC40-90-235-CW | 90" (2286mm) | 38.3" (973mm) | 97.8" (2484mm) |
| PC40-100-235-CW | 100" (2540mm) | 42.6" (1081mm) | 108.7" (2760mm) |
| PC40-110-235-CW | 110" (2794mm) | 46.8" (1189mm) | 119.5" (3036mm) |
| PC40-120-235-CW | 120" (3048mm) | 51.1" (1297mm) | 130.4" (3213mm) |
| PC40-130-235-CW | 130" (3302mm) | 55.3" (1405mm) | 141.3" (3589mm) |
| PC40-140-235-CW | 140" (3556mm) | 59.6" (1513mm) | 152.1" (3865mm) |
| PC40-150-235-CW | 150" (3810mm) | 63.8" (1621mm) | 163" (4141mm) |
| PC40-160-235-CW | 160" (4064mm) | 68.1" (1729mm) | 173.9" (4417mm) |
| PC40-170-235-CW | 170" (4318mm) | 72.3" (1837mm) | 184.8" (4693mm) |
| PC40-180-235-CW | 180" (4572mm) | 76.6" (1946mm) | 195.6" (4969mm) |
| PC40-190-235-CW | 190" (4826mm) | 80.9" (2054mm) | 206.5" (5245mm) |
| PC40-200-235-CW | 200" (5080mm) | 85.1" (2162mm) | 217.4" (5521mm) |
| PC40-210-235-CW | 210" (5334mm) | 89.4" (2270mm) | 228.2" (5797mm) |
| PC40-220-235-CW | 220" (5588mm) | 93.6" (2378mm) | 239.1" (6073mm) |
| PC40-230-235-CW | 230" (5842mm) | 97.9" (2486mm) | 250" (6349mm) |
| PC40-240-235-CW | 240" (6096mm) | 102.1" (2594mm) | 260.8" (6625mm) |
| PC40-250-235-CW | 250" (6350mm) | 106.4" (2702mm) | 271.7" (6901mm) |
| PC40-260-235-CW | 260" (6604mm) | 110.6" (2810mm) | 282.6" (7177mm) |
| PC40-270-235-CW | 270" (6858mm) | 114.9" (2918mm) | 293.4" (7453mm) |

ASPECT RATIOS

2.40:1, 2.37:1, 2.35:1 or 1.78:1

SCREEN SURFACES

CineWeave™ HD white acoustically transparent woven screen surface
 CineWeave™ HD grey acoustically transparent woven screen surface
 CineMatte Plus white solid screen surface
 Rear projection screen surfaces available as well.

FRAME

Acoustically insulated curved aluminum extrusion.

FINISH

No sheen black velvet (standard). Custom color velvet, exotic wood finishes and powder coating available (optional).

MOUNTING

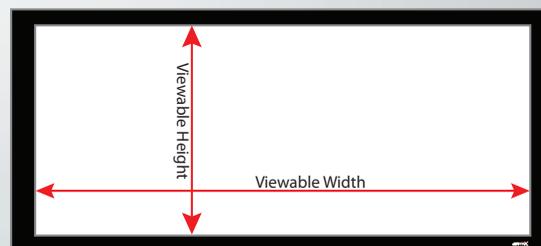
Wall mount or aperture mounted.

MODELS AND SIZING (1.78:1 - 40' radius models below)

| MODEL | Viewable Width | Viewable Height | Diagonal |
|-----------------|----------------|-----------------|-----------------|
| PC40-70-178-CW | 70" (1778mm) | 39.3" (998mm) | 80.3" (2039mm) |
| PC40-80-178-CW | 80" (2032mm) | 45" (1143mm) | 91.8" (2331mm) |
| PC40-90-178-CW | 90" (2286mm) | 50.6" (1286mm) | 103.3" (2623mm) |
| PC40-96-178-CW | 96" (2438mm) | 54" (1372mm) | 110.2" (2798mm) |
| PC40-100-178-CW | 100" (2540mm) | 56.2" (1429mm) | 114.7" (2914mm) |
| PC40-110-178-CW | 110" (2794mm) | 61.9" (1572mm) | 126.2" (3206mm) |
| PC40-120-178-CW | 120" (3048mm) | 67.5" (1715mm) | 137.7" (3497mm) |
| PC40-130-178-CW | 130" (3302mm) | 73.1" (1857mm) | 149.2" (3789mm) |
| PC40-140-178-CW | 140" (3556mm) | 78.8" (2000mm) | 160.5" (4080mm) |
| PC40-150-178-CW | 150" (3810mm) | 84.4" (2143mm) | 172.1" (4371mm) |
| PC40-160-178-CW | 160" (4064mm) | 90" (2286mm) | 183.6" (4663mm) |
| PC40-170-178-CW | 170" (4318mm) | 95.6" (2429mm) | 195.1" (4954mm) |
| PC40-180-178-CW | 180" (4572mm) | 101.3" (2572mm) | 206.5" (5246mm) |
| PC40-190-178-CW | 190" (4826mm) | 106.9" (2715mm) | 218" (5537mm) |
| PC40-200-178-CW | 200" (5080mm) | 112.5" (2858mm) | 229.5" (5829mm) |
| PC40-210-178-CW | 210" (5334mm) | 118" (2997mm) | 240.8" (6116mm) |

RADIUS/CURVE

The ProCurv is available in three standard curves including a 40' radius, a 30' radius and a 20' radius.



To calculate outside dimensions

Add 7" to the viewable area width and add 7" to the viewable area height.
 Depth of frame is 1.77" (Note: Velvet finish adds .125" to the overall size)

For more complete specifications, please visit www.smxscreen.com/smx-support.html