

PRODUCT SPECIFICATION

VistaPower 5.0™ (VP5™)

CAST FRESNEL/LENTICULAR OPTICAL REAR SCREEN



Active 100" Diagonal VP5™

Overview:

The **VistaPower 5.0™ (VP5™)** from **Custom Display Solutions** is the latest in state-of-the-art rear screen technology. The VP5™ is a high-resolution, high contrast, rear projection screen, specifically designed to optimize the performance of CRT & single lens-type projection systems. The VP5™ renders sharp, crisp projected images with rich color and contrast, even in high ambient light environments.

Being a cast (not coated) Fresnel/Lenticular design, the VP5™ also features incredible brightness uniformity and image resolution with wide horizontal viewing. The VP3™ also has a wide, 180° viewing arc, so your brilliant display may be easily resolved from any vantage point in the room.

Available in sizes up to 200" diagonal (NTSC), the VistaPower 5.0™ supports both long and short focal length projector lensing, but is particularly well suited to displaying images from today's shorter focal length lenses. Available in both neutral grey and high-contrast versions, the VP5™ delivers high-impact images even in well-lit environments (see actual active photo above).

VistaPower 5.0™ represents the cutting edge of what rear screen technology has to offer today. Particularly well-suited to CRT and lower output single lens projectors, the VP5™ provides chroma-correction and incredible brightness with outstanding uniformity, maximizing your projection investment. If you're interested in making your rear projection system the very best that it can be, be sure to specify Custom Display Solution's VistaPower 5.0™ for your application.

Technical Specifications

General:

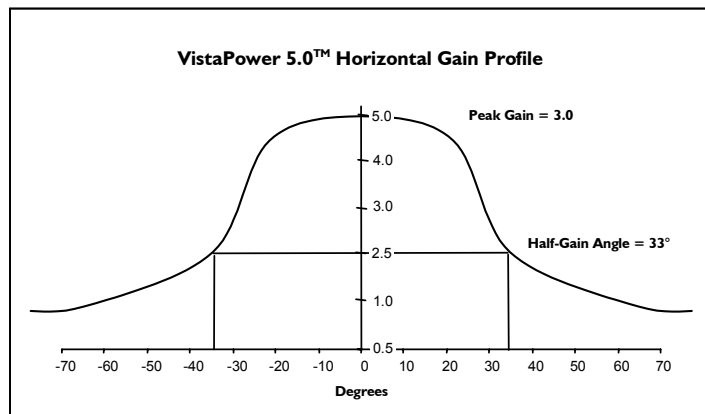
The rear projection screen shall be a VistaPower 5.0™ as provided by Custom Display Solutions, LLC. The screen shall have an on-axis gain value of 5.0 and a horizontal half-gain performance of 33° and a vertical half gain performance of 10°. The screen shall have an acceptable viewing angle of 180° and a contrast ratio of approximately 100:1 at 500 lux (46fL).

Construction:

The screen shall be of single-piece, cast (NOT COATED), PMMA acrylic construction. The screen shall feature a 0.5mm pitch Fresnel Profile on the projection side and an A/R matted Lenticular Profile of .33mm on the audience side. The screen shall be of single-piece design. Image sizes shall range from 50" to 200" diagonal (NTSC) and available in custom cut sizes.

Warranty:

The Factory Warranty shall cover all parts and labor for two full years from invoice date against defects in manufacturing. In this unlikely event, the manufacturer reserves the right to either repair or replace the screen in achieving the customer's satisfaction.



SCREEN PROPERTIES	VP5™ VALUES
On-Axis Gain	5.0 (+/- 0.5)
Horiz. & Vert. Half-Gain Angle:	33° & 10°
Contrast Ratio @ 500 lux (46fL)	~ 100:1 (HC Version)
Transmission	~ 50%
Reflectance	4.00%
Back Reflectance	~5%
Fresnel Pitch	0.5mm
Fresnel Focal Lengths (50"-200")	750-3800mm
Finish	Matte
Construction	Cast PMMA
Nominal Thickness (50"-200")	6.0-9.0mm