



XL Cinema Systems

The **RealD® XL Cinema Systems** are the world's most widely used 3D projection systems and are the ultimate 3D Cinema solutions for DLP Cinema® projectors. The reason for this success is a more efficient optical system that recaptures the light lost by other systems making it at least twice as bright as other 3D systems.

PRODUCT FEATURES

All **RealD Cinema Systems** are compatible with 2K and 4K Cinema projectors and support High Frame Rate (HFR) 3D presentations, including 48 frames per second (fps) double flash and 60 fps double flash - 192 Hz and 240 Hz respectively.

RealD XL Cinema Systems allow cinemas to present a world class 3D experience at higher brightness in auditoriums with larger screens, increasing 3D seating capacity. This innovative product line reduces annual operating costs without sacrificing 3D brightness by using lower powered lamps than those necessary for other 3D systems.

RealD XL Cinema Systems include mounting solutions for all major DLP Cinema® projectors allowing for easy transition between 2D and 3D and feature repeatable repositioning to ensure the highest quality 3D presentations.

BOOTH REQUIREMENTS

Given the innovative design of the **RealD XL Cinema system**, the image size at the port window is larger than the typical digital projector image.

- ▶ Recommended minimum port window size is 24 inches by 24 inches (70 cm by 70 cm).
- ▶ Top of the port window must be at least 10 inches (25.4 cm) above center line of the lens.
- ▶ The port window must be made with non-tempered and non-polarizing glass.
- ▶ The Projector lens must be at least 12 inches (30.5 cm) from the wall.

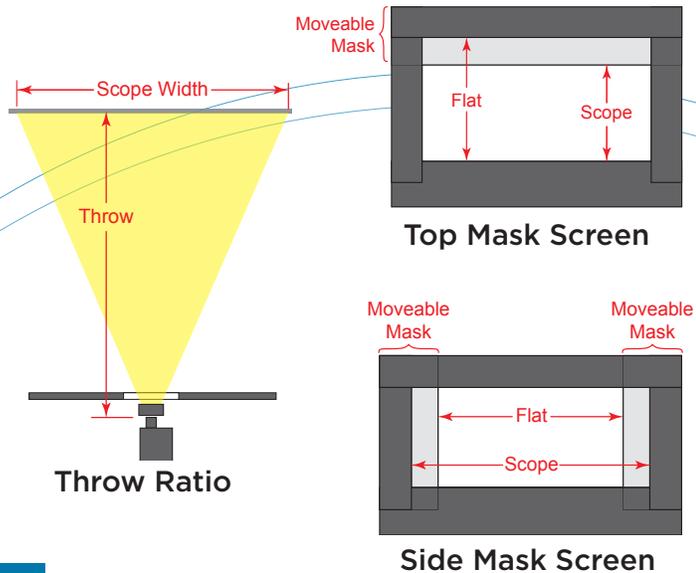


AUDITORIUM REQUIREMENTS

Select the proper **RealD XL Cinema System** using the auditorium's **Masking Type** and **Throw Ratio** in the table below.

Throw Ratio can be calculated by dividing **Throw** (distance from projector lens to screen) by **Width** of the projected Scope image.

All **RealD XL Cinema Systems** require a minimum **Throw** 35 feet (10.7 meters).



RealD Product	THROW RATIO BY MASKING TYPE	
	Top Mask	Side Mask
XL	1.45 and higher	1.28 and higher
XLW	1.0 to 1.44	1.0 to 1.27

Additional auditorium requirements for the **RealD XLW** product include: at least 250 seats and a minimum screen size of 45 feet (13.7 meters).

3D BRIGHTNESS

When selecting a Digital Cinema Projector and Lamp, it is important that the combination maintain the brightness level required for high quality 3D presentation over the life of the lamp.

The table to the right provides the **Maximum Screen Width** recommended for sustained 3D Brightness of 6.0 fL and 4.5 fL, based on a range of **Rated Light Outputs**.

Please Note - Calculations based on: Rated Light Output of a projector capable of full resolution 3D with lamp power at 70%, a port window efficiency of 97% (3% loss) and a 2.2 screen gain.

Rated Light Output	MAXIMUM SCREEN WIDTHS			
	6.0 fL		4.5 fL	
	Feet	Meters	Feet	Meters
10000	33	10.1	38	11.6
12000	36	11.0	42	12.8
14000	39	11.9	45	13.7
16000	42	12.8	48	14.6
18000	44	13.4	51	15.5
20000	46	14.0	54	16.5
22000	49	14.9	56	17.1
24000	51	15.5	59	18.0
26000	53	16.2	61	18.6
28000	55	16.8	64	19.5
30000	57	17.4	66	20.1
32000	59	18.0	68	20.7
34000	61	18.6	70	21.3

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