

LC-XS30, LC-XS25 (SCHOOL)				Screen Dimensions.								
Resolution: XGA (1024x768)				H'	2.0	3.0	5	6	7.5	9	12	15
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)				W'	2.67	4	6.67	8	10	12	16	20
Aperture: 0.504 in. wide				D"	40	60	100	120	150	180	240	300
Standard Lens	T/W	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.							
LC-XS30, LC-XS25	1.74	10:1	0.886"~1.063" Manual, Zoom (22.5~27 mm) f:1.65~1.81	0.879	4.7	7.0	11.6	14.0	17.4	20.9	27.9	34.9
	2.09	(fixed)		1.055	5.6	8.4	14.0	16.7	20.9	25.1	33.5	41.9

LC-XB42 and LC-XB42N (BRILLIANT)				Screen Dimensions.								
Resolution: XGA (1024x768)				H'	2.0	3.0	5	6	7.5	9	12	15
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)				W'	2.67	4	6.67	8	10	12	16	20
Aperture: 0.64 in. wide				D"	40	60	100	120	150	180	240	300
Standard Lens	T/W	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.							
LC-XB42, LC-XB42N	1.18	9:1	0.756 ~ 1.189" Manual, Zoom (19.2~30.2 mm) f:1.7~2.5	0.756	3.2	4.7	7.9	9.5	11.8	14.2	18.9	23.6
	1.86	(fixed)		1.189	5.0	7.4	12.4	14.9	18.6	22.3	29.7	37.2

LC-XB33N (BRILLIANT)				Screen Dimensions.								
Resolution: XGA (1024x768)				H'	2.0	3.0	5	6	7.5	9	12	15
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)				W'	2.67	4	6.67	8	10	12	16	20
Aperture: 0.504 in. wide				D"	40	60	100	120	150	180	240	300
Standard Lens	T/W	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.							
LC-XB33N	1.38	10:1	0.697"~1.114" Manual, Zoom (17.7~28.3 mm) f:1.6~2.5	0.696	3.7	5.5	9.2	11.0	13.8	16.6	22.1	27.6
	2.15	(fixed)		1.083	5.7	8.6	14.3	17.2	21.5	25.8	34.4	43.0

LC-XB33, LC-XB31 (BRILLIANT)				Screen Dimensions.								
Resolution: XGA (1024x768)				H'	2.0	3.0	5	6	7.5	9	12	15
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)				W'	2.67	4	6.67	8	10	12	16	20
Aperture: 0.504 in. wide				D"	40	60	100	120	150	180	240	300
Standard Lens	T/W	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.							
LC-XB33, LC-XB31	1.72	10:1	0.886"~1.063" Manual, Zoom (22.5~27 mm) f:1.65~1.81	0.868	4.6	6.9	11.5	13.8	17.2	20.7	27.5	34.4
	2.06	(fixed)		1.040	5.5	8.3	13.8	16.5	20.6	24.8	33.0	41.3

LC-XB21B (BRILLIANT)				Screen Dimensions.								
Resolution: XGA (1024x768)				H'	2.0	3.0	5	6	7.5	9	12	15
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)				W'	2.67	4	6.67	8	10	12	16	20
Aperture: 0.48 in. wide				D"	40	60	100	120	150	180	240	300
Standard Lens	T/W	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.							
LC-XB21B	1.78	6:01	0.886~1.063" Manual, Zoom (22.5~27.0 mm) f:1.65~1.83	0.855	4.8	7.1	11.9	14.3	17.8	21.4	28.5	35.6
	2.15			1.034	5.8	8.6	14.4	17.2	21.5	25.9	34.5	43.1

Image Height for 16:9: width stays the same as 4:3 (ignore Diagonal).	H'	1.50	2.25	3.75	4.50	5.63	6.75	9.00	11.25
---	----	------	------	------	------	------	------	------	-------

How to use the T/W column. If your screen size does not appear on this chart, use the T/W column to find the lens you need. Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers it.

Understanding Shift/Limits. The numbers in the Shift/Limits column express the projector positions possible as a ratio of the image heights Above:Below a line drawn perpendicular to the screen between the lens and the screen. 1:1 = center of the image. 10:0 = top of the image.

These charts are a simulation. Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations.. Calculations are from the front glass of the lens and accurate to approximately +/- 3.%. Specifications are subject to change without notice.