EIKI Lens Specifications for the LC-XB21B and LC-XB21A **June 10, 2008.**

Native 4:3 Aspect Ratio Projector

LC-XB21B and LC-XB21A

XGA 3LCD PROJECTOR

Resolution: XGA (1024x768)
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)
Aperture: 0.48 in. wide

Screen Dimensions.

H'	2	2.5	3.2	3.8	4.4	5	6	7.5	15
W'	2.67	3.33	4.2	5	5.83	6.67	8	10	20
D"	40	50	63.4	75.4	87.6	100	120	150	300

Screen width in inches.	32	40	50	60	70	80	96	120	240

EIKI P/N: Ref.	**T/W**	**Offset**	**Lens**	**EFL**	**Throw (Distance to Screen) in feet.**								
Standard	1.78	6:1	0.886~1.063" Manual, Zoom	0.855	4.8	5.9	7.5	8.9	10.4	11.9	14.3	17.8	35.60
	2.15		(22.5~27.0 mm) f:1.65~1.83	1.034	5.8	7.2	9.0	10.8	12.6	14.4	17.2	21.5	43.10

Notes

Image Height for 16:9: width stays the same as 4:3 (ignore Diagonal	**H'**	1.50	1.87	2.36	2.81	3.28	3.75	4.50	5.63

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 **T**hrow distance by the screen **W**idth 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.

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