

EIKI**LENSES FOR LC-X70, LC-X50M and LC-X50****Dec. 10, 2004.**

Resolution: XGA (1024x768)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

True Aperture: 1.048 in. wide

Screen Dimensions (H & W in ft., D in in.).

H' (ft.)	5	6	7.5	9	10.5	12	15	20
W' (ft.)	6.67	8	10	12	14	16	20	26.7
D" (in.)	100	120	150	180	210	240	300	400

EIKI Part No.	Ref.	T/W	Standard Lens	Shift/Limits	Distance (expressed in feet).									
LC-X70, LC-X50M														
Standard Lens		1.81	1.90"~2.47" Power, Zoom	10:0~1:1		12.1	14.5	18.1	21.7	25.3	29	36.2	48.3	
(645 047 2770)		2.35	(48.2~62.6 mm) f:1.7~2.0			15.7	18.8	23.5	28.2	32.9	37.6	47	62.7	

LC-X50													
Standard Lens		1.82	1.91"~2.48" Power, Zoom	10:0~1:1		12.2	14.6	18.2	21.9	25.5	29.2	36.4	48.6
(645 043 7144)		2.37	(48.4~62.8 mm) f:1.8~2.1			15.8	18.9	23.7	28.4	33.1	37.9	47.3	63.1

EIKI Part No.	Ref.	T/W	Auxiliary Lenses		Distance (expressed in feet).									
AH-32011*	W32	0.84	0.88" Manual, Fixed (22.3mm) f:2.5	1:1 (on axis)		5.6	6.7	8.4	10.1	11.8	13.4	16.8	22.4	
0001-4275	1028	0.95	1.0" Manual, Fixed (25.4mm) f:2.8	1:1 (on axis) RP only (halo)		6.4	7.6	9.5	11.5	13.4	15.3	19.1	25.4	
0001-4276	012	1.15	1.2" Manual, Fixed (30.5mm) f:2.8	1:1 (on axis) RP only (halo)		7.6	9.2	11.5	13.7	16.0	18.3	22.9	30.5	
AH-23122*	W31A	1.29	1.35"~1.90" Power, Zoom	10:0~1:1		8.6	10.3	12.9	15.5	18	20.6	25.8	34.4	
		1.81	(34.3~48.2 mm) f:2.5~3.0			12.1	14.5	18.1	21.8	25.4	29	36.3	48.4	
AH-23132*	T31A	2.39	2.50"~4.39" Power, Zoom	10:0~1:1		15.9	19.1	23.9	28.6	33.4	38.2	47.7	63.6	
		4.19	(63.5~111.5 mm) f:2.0~2.9			27.9	33.5	41.9	50.3	58.6	67	83.8	112	
0001-4277	500	2.62	2.75"~5.0" Manual, Zoom	10:0~1:1		17.5	21	26.2	31.5	36.7	42	52.5	70	
		4.77	(70~125 mm) f:2.8			31.8	38.2	47.7	57.3	66.8	76.3	95	127	
AH-24241*	T32	4.21	4.41"~6.10" Power, Zoom	10:0~1:1		28.1	33.7	42.1	50.5	58.9	67.3	84.1	112	
		5.82	(112~155 mm) f:2.1~2.7			38.8	46.6	58.2	69.9	81.5	93.2	117	155	
0001-4278	087	4.96	5.2"~8.7" Manual, Zoom	10:0~1:1		33.1	39.7	49.6	59.5	69.5	79.4	99.2	132	
		8.30	(132~220 mm) f:3.0			55.4	66.4	83	99.6	116.2	133	166	221	
0001-4279	900	5.73	6.0"~9.0" Manual, Zoom	10:0~1:1		38.2	45.8	57.3	68.7	80.2	91.6	114.5	153	
		8.59	(150~230 mm) f:3.5			57.3	68.7	85.9	103.1	120	137	172	229	

Notes:

For 16:9, width stays the same as 4:3 (ignore the diagonal).	16:9 Height	(ft.)	3.8	4.5	5.6	6.8	7.9	9.0	11.3	15.0
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* "AH" lenses require lens adapter 610 306 6707. ("0001" lenses have an integrated adapter.)

Calculations are from the front glass of the lens and are accurate to approximately +/- 3.5%.

Specifications are subject to change without prior notice.

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 Lens Shift. 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.

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