EIKI — Lenses for LC-X71/L, LC-X70,60 & LC-X50M,50 — Aug. 16, 2007.

Resolution: XGA (1024x768)
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)
True Aperture: 1.048   in. wide

Screen Dimensions.

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

EIKI Part No.	Ref.	T/W	Shift/Limits	Standard Lenses***	EFL	Throw (Distance to Screen) in feet.							
LC-X70, LC-X50M													
645 047 2770	S31	1.81	10:0~1:1	1.90"~2.47" Power, Zoom	1.90	12.1	14.5	18.1	21.7	25.3	29	36.2	48.3
(AH-23081)		2.35		(48.2~62.6 mm) f:1.7~2.0	2.46	15.7	18.8	23.5	28.2	32.9	37.6	47.0	-
LC-X71/L, LC-X60, LC-X50													
645 043 7144	S30	1.82	10:0~1:1	1.91"~2.48" Power, Zoom	1.91	12.2	14.6	18.2	21.9	25.5	29.2	36.4	48.6
(AH-23061)		2.37		(48.4~62.8 mm) f:1.8~2.1	2.48	15.8	18.9	23.7	28.4	33.1	37.9	47.3	-

EIKI Part No.	Ref.	T/W	Shift/Limits	Auxiliary Lenses	EFL	Throw (Distance to Screen) in feet.							
0001-4296	2125	0.79	1:1 (on axis)	0.826" Manual, Fixed (21 mm) f:2.5	0.826	5.3	6.3	7.9	9.5	11.0	12.6	15.8	21.0
AH-32011*	W32	0.84	1:1 (on axis)	0.88" Manual, Fixed (22.3mm) f:2.5	0.88	5.6	6.7	-	-	-	-	-	-
0001-4276	012	1.15	1:1 (on axis) RP only (halo)	1.2" Manual, Fixed (30.5mm) f:2.8	1.2	7.6	9.2	11.5	13.7	16.0	18.3	22.9	30.5
AH-23122*	W31A	1.29	10:0~1:1	1.35"~1.90" Power, Zoom	1.35	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	1.90	12.1	14.5	18.1	21.8	25.4	29	36.3	48.4
AH-23132*	T31A	2.39	10:0~1:1	2.50"~4.39" Power, Zoom	2.5	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	4.39	27.9	33.5	41.9	50.3	58.6	-	-	-
0001-4277	500	2.62	10:0~1:1	2.75"~5.0" Manual, Zoom	2.75	17.5	21	26.2	31.5	36.7	42	52.5	70
		4.77		(70~125 mm) f:2.8	5.00	31.8	38.2	47.7	57.3	66.8	76.3	95	127
AH-24241*	T32	4.21	10:0~1:1	4.41"~6.10" Power, Zoom	4.41	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	6.10	38.8	46.6	58.2	69.9	81.5	93.2	-	-
0001-4278	087	4.96	10:0~1:1	5.2"~8.7" Manual, Zoom	5.20	33.1	39.7	49.6	59.5	69.5	79.4	99.2	132
		8.30		(132~220 mm) f:3.0	8.70	55.4	66.4	83	99.6	116	133	166	221
0001-4279	900	5.73	10:0~1:1	6.0"~9.0" Manual, Zoom	6	38.2	45.8	57.3	68.7	80.2	91.6	115	153
		8.59		(150~230 mm) f:3.5	9	57.3	68.7	85.9	103	120	137	172	229

Notes:

Image Height for 16:9 width stays the same as 4:3 (ignore Diagonal	**H'**	3.8	4.5	5.6	6.8	7.9	9.0	11.3	15.0

* "AH" lenses require lens adapter 610 324 4402 (formerly 610 306 6707) and one is included with each projector except the LC-X71L.
   ("0001" lenses have an integrated adapter.)
** A standard lens is not included with the LC-X80.
*** Standard Lenses are sorted according to the way they were supplied or are recommended.
   (All Auxiliary lenses listed fit all projectors listed.)

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.