EIKI **Lenses for Widescreen BOARDROOM LC-W3** **May 21, 2008.**

In 16:9 MODE

Resolution: WXGA (1366x768)
Aspect Ratio: (9 High by 16 Wide by 18.35755975 Diagonal)
Aperture: 1.0487 in. wide

	Screen Dimensions.							
H'	3.3	4.1	4.9	6.1	8.2	9.0	12.2	16.3
W'	5.8	7.25	8.7	10.9	14.5	16.0	21.8	29.1
D"	80	100	120	150	200	220	300	400

EIKI Part No.	Ref.	T/W	Shift/Limits	Standard Lens	EFL	Throw (Distance to Screen) in feet.							
LC-W3													
Standard Lens	S30	1.79	7:-1 ~ 1:1	1.91"~2.48" Power, Zoom	1.88	10.4	13.0	15.6	19.5	26.0	28.7	39.0	52.1
(645 043 7144)		2.34		(48.4~62.8 mm) f:1.8~2.1	2.45	13.6	16.9	20.3	25.5	33.9	37.4	50.9	-

EIKI Part No.	Ref.	T/W	Shift/Limits	Auxiliary Lenses	EFL	Throw (Distance to Screen) in feet.							
AH-32011*	W32	0.80	1:1 (on axis)	0.88" Manual, Fixed (22.3mm) f:2.5	0.84	4.6	5.8	7.0	-	-	-	-	-
AH-23122*	W31A	1.26	7:-1 ~ 1:1	1.35"~1.90" Power, Zoom	1.32	7.3	9.1	11	13.7	18.3	20.1	27.4	36.6
		1.81		(34.3~48.2 mm) f:2.5~3.0	1.90	10.5	13.1	15.8	19.7	26.3	29.0	39.4	52.6
645 047 2770	S31	1.79	7:-1 ~ 1:1	1.90"~2.47" Power, Zoom	1.88	10.4	13.0	15.6	19.5	26.0	28.7	39.0	52.1
(Standard Lens)	Brighter	2.32		(48.2~62.6 mm) f:1.7~2.0	2.43	13.4	16.8	20.2	25.3	33.6	37.1	50.4	-
AH-23132*	T31A	2.31	7:-1 ~ 1:1	2.50"~4.39" Power, Zoom	2.42	13.4	16.7	20.1	25.2	33.5	36.9	50.2	67.0
		4.18		(63.5~111.5 mm) f:2.0~2.9	4.38	24.2	30.3	36.3	45.5	60.6	-	-	-
AH-24241*	T32	4.08	7:-1 ~ 1:1	4.41"~6.10" Power, Zoom	4.28	23.7	29.6	35.5	44.5	59.2	65.3	88.8	119
		5.71		(112~155 mm) f:2.1~2.7	5.99	33.1	41.4	49.7	62.3	82.8	91.4	-	-

Notes:

In 4:3 MODE

Resolution: XGA (1024x768)
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

	Screen Dimensions.							
H'	3.3	4.1	4.9	6.1	8.2	9	12.2	16.3
W'	4.4	5.5	6.5	8.1	10.9	12.0	16.3	21.7
D"	66	82	98	122	164	180	244	326

* "AH" lenses require lens adapter 610 306 6707.
("0001" lenses are not spec'd for this projector.)

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. The two sides of a ratio are cumulative, so the expression 7:-1 means that the bottom of the image starts 1/6'th of the image height above the imaginary line.

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 +/- 3.5%. Specifications are subject to change without notice.

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