

EIKI

LENSES FOR LC-X3,2,1 POWERHOUSE PROJECTORS

Apr. 22, 2002.

Resolution: XGA (1024 x 768)
 Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)
 True Aperture: 1.453 in. wide

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

H'	4.5	6	7.5	9	10.5	12	15	22.5	30
W'	6	8	10	12	14	16	20	30	40
D"	90	120	150	180	210	240	300	450	600

EIKI Part No.	(& Ref.)	T/W	Specification	Shift/Limits	Distance (expressed in feet).									
AH-32021	W03	0.81	1.18" Manual, Fixed (30.0mm) f:2.5	1:1 (on axis)	4.9	6.5	8.1	9.7	11.4	13.0	16.2	24.4	32.5	
0001-4191		1.03	1.5" Manual, Fixed (38.1mm) f:2.5	1:1 (on axis) RP only (halo)	6.2	8.3	10.3	12.4	14.5	16.5	20.6	31.0	41.3	
AH-21012 (was AH-21011)	(W01Z) (W01)	1.21	1.76" Manual, Fixed (44.7mm) f:2.5	8:1~1:8	7.3	9.7	12.1	14.5	17.0	19.4	24.2	36.3	48.5	
0001-4224		1.45	2.1" Manual, Fixed (54mm) f:2.5	1:1 (on axis) RP only (halo)	8.7	11.6	14.5	17.3	20.2	23.1	28.9	43.4	57.8	
AH-21202 (was AH-21201)	(W02Z) (W02)	1.41 1.84	2.06~2.67" Power, Zoom (52.2~67.9 mm) f:2.53~2.95	8:1~1:8	8.5 11	11.3 14.7	14.1 18.4	17.0 22.1	19.8 25.8	22.6 29.4	28.3 36.8	42.4 55.2	56.6 73.6	
AH-21041*	(S01)	1.82 2.92	2.65~4.24" Power, Zoom (67.3~107.6mm) f:2.6~3.5	10:0~0:10	10.9 17.5	14.6 23.3	18.2 29.2	21.9 35.0	25.5 40.9	29.2 46.7	36.5 58.4	54.7 87.5	73 117	
AH-21102** (was AH-21101)	(S02Z) (S02)	2.05 2.64	2.98"~3.84" Power, Zoom (75.7~97.5 mm) f:2.0~2.3	10:0~0:10 Standard	12.3 15.9	16.4 21.1	20.5 26.4	24.6 31.7	28.7 37.0	32.8 42.3	41.0 52.9	61.5 79.3	82.0 105.7	
0001-4167A		3.14 5.02	4.56~7.29" Manual, Zoom (115~185mm) f:2.4	8:1~1:8	18.8 30.1	25.1 40.1	31.4 50.2	37.7 60.2	43.9 70.2	50.2 80.3	62.8 100	94.2 151	126 201	
AH-21022 (was AH-21021)	(M01Z) (M01)	3.37 4.38	4.9~6.37" Power, Zoom (124.5~161.8 mm) f:2.0~2.6	8:1~1:8	20.2 26.3	27 35.1	33.7 43.8	40.5 52.6	47.2 61.4	54 70.1	67.4 87.7	101 132	135 175	
0001-4166A		4.13 6.19	6~9" Manual, Zoom (150~230mm) f:3.5	8:1~1:8	24.8 37.2	33.0 49.6	41.3 61.9	49.6 74.3	57.8 86.7	66.1 99.1	82.6 124	124 186	165 248	
AH-21091	(T02)	4.28 5.99	6.22~8.7" Power, Zoom (158~221mm) f:2.0~2.8	8:1~1:8	25.7 35.9	34.2 47.9	42.8 59.9	51.4 71.9	59.9 83.8	68.5 95.8	85.6 120	128 180	171 240	
0001-4168A		5.08 8.47	7.38~12.3" Manual, Zoom (187~312mm) f:4.0	8:1~1:8	30.5 50.8	40.6 67.7	50.8 84.7	60.9 102	71.1 119	81.3 135	102 169	152 254	203 339	
AH-21032 (was AH-21031)	(T01Z) (T01)	6.88	10" Manual, Fixed (253.2mm) f:2.0	8:1~1:8	41.3	55.1	68.8	82.6	96.4	110	138	207	275	
0001-4230		9.64	14" Manual, Fixed (356mm) f:4.0	8:1~1:8	57.8	77.1	96.4	116	135	154	193	289	385	

*AH-21041 was the supplied lens on LC-X1U/A; **AH-21101/2 was the supplied lens on LC-SX1U, LC-SX2U/A, LC-SX3 and LC-X2U/A, LC-X3.
 Calculations are from front glass of lens and are accurate to approximately +/- 1%. 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.