

Projector Specifications

Resolution: XGA (1024x768)

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

Maximum Image Size: 26.7"W x 20"H (400"D)

Screen Dimensions.

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

Factory Specifications					Description	Measurements and Calculations									
EIKI Part No.	Ref.	TR	Diagonal	Shift/Limits	Auxiliary Lenses	Xtend	Wt	T/W	Throw (Distance to Screen) in ft.						
0001-4316	2125	0.80	infinity	V: 1:1 on axis H: 1:1 on axis	0.826" Manual, Fixed (21 mm) f:2.5	3.5" 89 mm	4.0 lb 1.81 kg	0.79	6.3	7.9	9.5	11.0	12.6	15.8	
AH-32011*	W32	0.79	80~120"	V: 1:1 on axis H: 1:1 on axis	0.88" Manual, Fixed (22.3mm) f:2.5	2.66" 67.5 mm	3.53 1.6 kg	0.84	6.7	-	-	-	-	-	
0001-4317**	1028	0.94	infinity	V: 1:1 on axis H: 1:1 on axis	1.0" Manual, Fixed (25.4 mm) f:2.8	3.0" 76 mm	4.0 lb 1.81 kg	0.95	7.6	9.5	11.5	13.4	15.3	19.1	
0001-4319	012	1.15	infinity	V: 1:1 on axis H: 1:1 on axis	1.2" Manual, Fixed (30.5mm) f:2.8	2.0" 51 mm	3.0 lb 1.36 kg	1.15	9.2	11.5	13.7	16.0	18.3	22.9	
0001-4318**	1218	1.20	infinity	V: 8:1~1:1	1.28"~1.8" Manual, Zoom (32.5~45.7 mm) f:2.5	5.5" 140 mm	6.0 lb 2.72 kg	1.22	9.8	12.2	14.7	17.1	19.5	24.4	
		1.70	infinity	H: TBA				1.72	13.7	17.2	20.6	24	27.5	34.4	
AH-23122*	W31A	1.20	40~400"	V: 10:0~1:1	1.35"~1.90" Power, Zoom (34.3~48.2 mm) f:2.5~3.0	3.76" 95.5 mm	3.75 1.7 kg	1.29	10.3	12.9	15.5	18	20.6	25.8	
		1.80	40~400"	H: TBA				1.81	14.5	18.1	21.8	25.4	29	36.3	
645 047 2770 (AH-23081)***	S31	1.80	40~400"	V: 10:0~1:1	1.90"~2.47" Power, Zoom (48.2~62.6 mm) f:1.7~2.0	3.45" 87.5 mm	2.87 1.3 kg	1.81	14.5	18.1	21.7	25.3	29	36.2	
		2.40	40~300"	H: 3:2~2:3				2.35	18.8	23.5	28.2	32.9	37.6	-	
AH-23132*	T31A	2.25	40~400"	V: 10:0~1:1	2.50"~4.39" Power, Zoom (63.5~111.5 mm) f:2.0~2.9	1.89" 48 mm	4.19 1.9 kg	2.39	19.1	23.9	28.6	33.4	38.2	47.7	
		4.10	40~200"	H: TBA				4.19	33.5	41.9	50.3	-	-	-	
0001-4320	500	2.70	infinity	V: 10:0~1:1	2.75"~5.0" Manual, Zoom (70~125 mm) f:2.8	5.0" 127 mm	4.0 lb 1.81 kg	2.62	21	26.2	31.5	36.7	42	52.5	
		4.80	infinity	H: TBA				4.77	38.2	47.7	57.3	66.8	76.3	95	
AH-24241*	T32	4.46	40~400"	V: 10:0~1:1	4.41"~6.10" Power, Zoom (112~155 mm) f:2.1~2.7	3.37" 85.5 mm	3.75 1.7 kg	4.21	33.7	42.1	50.5	58.9	67.3	84	
		6.00	40~250"	H: TBA				5.82	46.6	58.2	69.9	81.5	-	-	
0001-4321	087	5.00	infinity	V: 10:0~1:1	5.2"~8.7" Manual, Zoom (132~220 mm) f:3.0	8.0" 203.00	8.0 lb 3.63 kg	4.96	39.7	49.6	59.5	69.5	79.4	99	
		8.30	infinity	H: TBA				8.30	66.4	83	99.6	116	133	166	
0001-4322	900	5.80	infinity	V: 10:0~1:1	6.0"~9.0" Manual, Zoom (150~230 mm) f:3.5	5.0" 127 mm	6.0 lb 2.72	5.73	45.8	57.3	68.7	80.2	92	115	
		8.60	infinity	H: TBA				8.59	68.7	85.9	103	120	137	172	
Image Height for 16:9: width stays the same as 4:3 (ignore Diagonal).								H'	4.5	5.6	6.8	7.9	9.0	11.3	

Notes:

* "AH" lenses require lens adapter 610 324 4402 (formerly 610 306 6707) and one is included with the projector.

("0001" lenses have an integrated adapter.)

** 0001-4317 and 0001-4318 lenses are not backward compatible ... cannot be used with the LC-X71/70/60.

*** A standard lens is not included. The 645 047 2770 (AH-23081) is the standard lens (same as used on the LC-X1000/1100/50M/70).

(The 645 043 7144 (AH-23061) lens used on the LC-X985/986/50/60/71 & LC-W3 can be used, but is not as bright.)

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 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. The T/W (Throw/Width) column most accurately represents lens behavior, and reflects the calculations.

Calculations are from the front glass of the lens and accurate to approximately +/- 3%. Specifications are subject to change without notice.

Legend. Ref = abbreviated factory part numbers. TR = factory published Throw Ratio. Xtend = distance lens protrudes from cabinet