

Resolution: XGA (1024x768) or SXGA+ (1400X1050)

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

Aperture: 1.12882 in. W

Image Dimensions (H & W in ft., D in in.) in 4:3.

H'	4.5	6	7.5	9	10.5	12	15	20	25
W'	6	8	10	12	14	16	20	26.67	33.3
D"	90	120	150	180	210	240	300	400	500

EIKI Part No.	Ref.	T/W	Shift/Limits	Auxiliary Lenses	EFL	Distance (expressed in feet).								
***AH-32701	W07	0.73	1:1 (on axis)	0.827" Manual, Fixed (21.0mm) f:2.5	0.827	4.4	5.9	7.3	8.8	10.3	11.7	14.7	19.5	-
*AH-32021	W03	1.05	1:1 (on axis)	1.18" Manual, Fixed (30.0mm) f:2.5	1.18	6.3	8.4	10.5	12.5	14.6	16.7	20.9	27.9	34.8
*AH-21012 (**AH-21011)	(W01Z) (W01)	1.56	8:1~1:8	1.76" Manual, Fixed (44.7mm) f:2.5	1.76	9.4	12.5	15.6	18.7	21.8	24.9	31.2	41.6	52.0
***AH-32501	(W05)	1.26	2.5:1~1:2.5	1.42~1.97" Power, Zoom (36~50 mm) f:2.0~2.6	1.42	7.5	10.0	12.6	15.1	17.6	20.1	25.1	33.5	41.8
		1.74			1.97	10.5	13.9	17.4	20.9	24.4	27.9	34.9	46.5	58.1
***AH-32601	(W06)	1.57	10:0~0:10 Memory Lens	1.77~2.25" Power, Zoom (45~57 mm) f:2.3~2.8	1.77	9.4	12.5	15.7	18.8	22.0	25.1	31.4	41.8	52.3
		1.99			2.25	12.0	15.9	19.9	23.9	27.9	31.9	39.9	53.2	66.4
*AH-21202 (**AH-21201)	(W02Z) (W02)	1.82	8:1~1:8	2.06~2.67" Power, Zoom (52.2~67.9 mm) f:2.53~2.95	2.06	10.9	14.6	18.2	21.8	25.5	29.1	36.4	48.6	60.7
		2.37			2.67	14.2	18.9	23.7	28.4	33.2	37.9	47.4	63.2	78.9
****AH-32401	(W04)	1.99	10:0~0:10 Memory Lens	2.28~2.99" Power, Zoom (58~76 mm) f:1.7~2.3	2.25	12.0	15.9	19.9	23.9	27.9	31.9	39.9	53.2	66.4
		2.61			2.95	15.7	20.9	26.1	31.4	36.6	41.8	52.3	69.7	87
***0001-4297	(125)	2.44	10:0~0:10	2.75 ~ 5.0" Manual, Zoom (70 ~ 125 mm) f:2.0	2.75	14.6	19.5	24.4	29.2	34.1	39.0	48.7	65.0	81.2
		4.43			5.00	26.6	35.4	44.3	53.2	62.0	70.9	88.6	118.1	148
*AH-21102 (**AH-21101)	(S02Z) (S02)	2.64	10:0~0:10	2.98~3.84" Power, Zoom (75.7~97.5 mm) f:2.0~2.3	2.98	15.8	21.1	26.4	31.7	37.0	42.2	52.8	70.4	88.0
		3.40			3.84	20.4	27.2	34.0	40.8	47.6	54.4	68.0	90.7	113
*AH-22051	S03	3.38	8:1~1:8	3.82~5.16" Power, Zoom (97~131mm) f:1.7~2.7	3.82	20.3	27.1	33.8	40.6	47.4	54.1	67.7	90.3	113
		4.57			5.16	27.4	36.6	45.7	54.9	64.0	73.1	91.4	122	152
*AH-21022 (**AH-21021)	(M01Z) (M01)	4.34	8:1~1:8	4.9~6.37" Power, Zoom (124.5~161.8 mm) f:2.0~2.6	4.9	26.0	34.7	43.4	52.1	60.8	69.5	86.8	116	145
		5.64			6.37	33.9	45.1	56.4	67.7	79.0	90.3	112.9	151	188
*AH-21091	(T02)	5.51	8:1~1:8	6.22~8.7" Power, Zoom (158~221mm) f:2.0~2.8	6.22	33.1	44.1	55.1	66.1	77.1	88.2	110.2	147	184
		7.71			8.7	46.2	61.7	77.1	92.5	107.9	123.3	154	206	257
***0001-4261	151	6.42	8:1~1:8	7.25~12.38" Manual, Zoom (184~314mm) f:2.8	7.25	38.5	51.4	64.2	77.1	89.9	102.8	129	171	214
		10.97			12.38	65.8	87.7	109.7	132	154	176	219	293	366
*AH-32581	(T03)	7.81	8:1~1:8	8.82~12.8" Manual, Zoom (224mm~325mm) f:2.2~2.5	8.82	46.9	62.5	78.1	93.8	109.4	125	156	208	260
		11.34			12.8	68.0	90.7	113.4	136	159	181	227	302	378
*AH-21032 (**AH-21031)	(T01Z) (T01)	8.86	8:1~1:8	10" Manual, Fixed (253.2mm) f:2.0	10	53.2	70.9	88.6	106.3	124.0	142	177	236	295
***0001-4299	(183)	9.48	8:1~1:8	10.7 ~ 18.3" Manual, Zoom (272 ~ 464 mm) f:2.8	10.7	56.9	75.8	94.8	113.7	132.7	151.7	190	253	316
		16.21			18.3	97.3	129.7	162.1	195	227	259	324	432	540

Notes:

Image Height for 16:9: width stays the same as 4:3 (ignore Diagonal).	H'	3.4	4.5	5.6	6.8	7.9	9.0	11.3	15.0	18.7
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* These lenses require adapter AH-25841 (one included with projector).

** These lenses require adapter AH-25871.

*** These lenses are supplied complete with attached adapter.

**** The performance of this lens is different than its focal length suggests. We've used EFL 2.25~2.95 in. Complete with attached adapter.

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.** 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.



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