

**XGA DLP® PROJECTOR**

Resolution: XGA (1024x768)

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

Aperture: 0.541 in. wide

**Screen Dimensions.**

<b>H'</b>	2	3	4	5	6	7.5	9	12	15
<b>W'</b>	2.67	4	5.33	6.67	8	10	12	16	20
<b>D"</b>	40	60	80	100	120	150	180	240	300

EIKI P/N.	Ref.	T/W	Shift T:B / L:R	Standard Lens	Xtend	EFL	Throw (Distance to Screen) in feet.									
Standard	*	1.81	10:0 ~ 1:1	1.01"~1.23" Power, Zoom	0.0"	0.980	4.8	7.2	9.7	12.1	14.5	18.1	21.7	29.0	36.2	
See note below.		2.20	1:1.9 ~ 1.19:1	(25.6~31.3 mm) f:1.8~2.0	0.0 mm	1.190	5.9	8.8	11.7	14.7	17.6	22.0	26.4	35.2	44.0	
EIKI P/N	Ref.	T/W	Shift T:B / L:R	Auxiliary Lenses	Xtend	EFL	Throw (Distance to Screen) in feet.									
AH-45201	10EX	0.80	2.1:1 ~ 1.1 1:1.6~1.6:1	0.46 Manual, Fixed (11.6 mm) f:2.5	3.63" 92.1 mm	0.432	-	-	4.3	5.3	6.4	8.0	-	-	-	
0001-5006	047	0.80	None! (On Axis)	0.469 Manual, Fixed (11.9 mm) f:2.5	2.5" 63.5 mm	0.434	2.1	3.2	4.3	5.4	6.4	8.0	9.6	12.8	16.0	
0001-5010	1625	1.11	None! (On Axis)	0.629 Manual, Fixed (16 mm) f:2.5	1.5" 38.1 mm	0.600	3.0	4.4	5.9	7.4	8.9	11.1	13.3	17.7	22.2	
0001-5011	2125	1.48	None! (On Axis)	0.83 Manual, Fixed (21 mm) f:2.8	2.0" 50.8 mm	0.800	3.9	5.9	7.9	9.9	11.8	14.8	17.7	23.7	29.6	
AH-45301	20EZ	1.50 1.80	10:0 ~ 1:1 1:1.9 ~ 1.19:1	0.84"~1.02" Power, Zoom (21.2~25.8 mm) f:2.5	1.34" 34.4mm	0.810 0.972	-	6.0	8.0	10.0	12.0	15.0	18.0	24.0	-	
AH-45501	40EZ	2.25 2.99	10:0 ~ 1:1 1:1.9 ~ 1.19:1	1.26"~1.67" Power, Zoom (31.9~42.5 mm) f:2.4~2.5	0.0" 0.0 mm	1.215 1.620	-	9.0	12.0	15.0	18.0	22.5	27.0	35.9	-	
AH-45601	50EZ	3.00 4.50	10:0 ~ 1:1 1:1.9 ~ 1.19:1	1.61"~2.47" Power, Zoom (40.8~62.8 mm) f:2.5	0.0" 0.0 mm	1.621 2.432	-	12.0	16.0	20.0	24.0	30.0	36.0	47.9	-	
0001-5007	275	3.50 4.92	10:0 ~ 1:1 1:1.9 ~ 1.19:1	1.97"~2.76" Manual, Zoom (50~70 mm) f:2.5	1.0" 25.4 mm	1.90 2.66	9.4	14.0	18.7	23.4	28.0	35.0	42.0	56.0	70.1	
AH-45701	60EZ	4.50 6.98	10:0 ~ 1:1 1:1.9 ~ 1.19:1	2.45"~3.85" Power, Zoom (62.1~97.8 mm) f:2.4~2.5	0.22" 5.6 mm	2.432 3.777	-	18.0	24.0	30.0	36.0	45.0	53.9	71.9	-	
0001-5008	500	4.90 8.78	10:0 ~ 1:1 1:1.9 ~ 1.19:1	2.76"~4.92" Manual, Zoom (70~125 mm) f:2.8	1.5" 38.1 mm	2.65 4.75	13.1	19.6	26.1	32.7	39.2	49.0	58.8	78.4	98.0	
0001-5009	900	10.70 16.10	10:0 ~ 1:1 1:1.9 ~ 1.19:1	5.90"~9.05" Manual, Zoom (150~230 mm) f:3.5	3.0" 76.2 mm	5.79 8.71	28.6	42.8	57.0	71.4	85.6	107	128	171	214	

**Notes**

<b>Image Height for 16:9:</b> width stays the same as 4:3 (ignore Diagonal)	<b>H'</b>	1.50	2.25	3.00	3.75	4.50	5.63	6.75	9.00	11.3
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\* **Standard Lens:** P/N for EIP-5000 is AH-51401 (31EZ) for EIP-4500 is AH-45401 (30EZ). Lens spec is identical: construction differ:

**Xtend** - This column indicates the amount the lens protrudes from the front face of the cabinet at maximum extensi

**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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