

EIKI

LENSES FOR EK-510U

June 13, 2017.

Resolution: WUXGA (1920x1200)
Aspect Ratio: (16 : 10)



Screen Dimensions.

H'	1.7	4.4	5.0	6.2	7.5	8.8	10.0	13.3
W'	2.7	7.1	8.0	10.0	12.0	14.2	16.0	21.2
D"	38	100	113	141	170	200	226	300

Factory Specifications - Standard Lens			Measurements and Calculations								
EIKI Part No.	Diagonal	Shift Range	T/W	Throw Distance to Screen in feet.							
AH-E21010	Min: 40"	V: +/- 60%	1.4	3.7	9.9	11.2	14.0	16.8	19.8	22.3	29.6
	Max: 300"	H: +/- 30%	2.6	6.9	18.4	20.8	26.0	31.2	36.8	41.6	55.1

Factory Specifications - Auxiliary Lenses			Measurements and Calculations								
EIKI Part No.	Diagonal	Shift Range	T/W	Throw Distance to Screen in feet.							
AH-E22010 (on-axis)	Min: 40" Max: 300"	V: 0% H: 0%	0.8	2.1	5.6	6.40	8.00	9.60	11.3	12.8	16.9

AH-E22020	Min: 40"	V: +/- 60%	1.1	3.0	7.8	8.8	11.0	13.3	15.6	17.7	23.4
	Max: 300"	H: +/- 30%	1.5	4.0	10.6	12.0	15.0	18.0	21.2	23.9	31.7

AH-E23010	Min: 40"	V: +/- 60%	2.5	6.7	17.7	20.0	25.0	30.0	35.4	40.0	53.0
	Max: 300"	H: +/- 30%	4.3	11.5	30.5	34.4	43.0	51.6	60.9	68.9	91.2

AH-E23020	Min: 40"	V: +/- 60%	4.2	11.2	29.7	33.6	42.0	50.4	59.4	67.1	89.0
	Max: 300"	H: +/- 30%	7.2	19.2	51.0	57.6	72.0	86.4	101.9	115.3	152.7

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.

These tables are a simulation. They are the result of averaging and rounding. Lens performance is actually not linear, and non-mathematical: variations in behavior do occur.

Calculations are from the front glass of the lens and accurate to approximately +/- 5%. Specifications are subject to change without notice.

The term "**on-axis**" means the center of the projector lens must be lined up with the center of the screen.

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