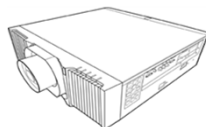




LENSES FOR EK-830 Series
EK-836DU, EK-833DU, EK-831DU, EK-831U

03-Sep-20

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



Screen Dimensions.

H'	2.7	3.1	3.8	4.4	5.0	6.2	7.5	8.8	10.0	11.3	13.3
W'	4.3	5.0	6.0	7.1	8.0	10.0	12.0	14.2	16.0	18.0	21.2
D''	60	70	85	100	113	141	170	200	226	255	300

Factory Specifications				Measurements and Calculations											
EIKI Part No.	Diagonal	Shift Range		T/W	Throw (Distance to Screen) in feet.										
AH-AC22060	Min: 60"	V: +/- 50%	Power Zoom and Focus 1.25x Zoom	0.76	3.2	3.8	4.6	5.4	6.1	7.6	9.1	10.7	12.1	13.7	16.1
	Max: 300"	H: +/- 10%		0.95	4.0	4.7	5.7	6.7	7.6	9.5	11.4	13.4	15.2	17.0	20.1
AH-AC22070	Min: 60"	V: +/- 60%	Power Zoom and Focus 1.50x Zoom	1.14	4.8	5.6	6.8	8.1	9.1	11.4	13.6	16.1	18.2	20.5	24.1
	Max: 300"	H: +/- 10%		1.71	7.3	8.4	10.2	12.1	13.6	17.1	20.5	24.1	27.3	30.7	36.2
AH-AC21020	Min: 60"	V: +/- 60%	Power Zoom and Focus 1.50x Zoom	1.61	6.8	8.0	9.7	11.4	12.9	16.1	19.3	22.8	25.8	29.0	34.2
	Max: 300"	H: +/- 10%		2.42	10.3	12.0	14.5	17.2	19.3	24.2	29.0	34.2	38.7	43.5	51.2
AH-AC24020	Min: 60"	V: +/- 60%	Power Zoom and Focus 1.52x Zoom	2.37	10.1	11.7	14.2	16.8	19.0	23.7	28.4	33.5	37.9	42.7	50.2
	Max: 300"	H: +/- 10%		3.60	15.3	17.8	21.6	25.6	28.8	36.0	43.2	51.0	57.6	64.8	76
AH-AC23020	Min: 60"	V: +/- 60%	Power Zoom and Focus 1.60x Zoom	3.53	15.0	17.5	21.2	25.1	28.3	35.3	42.4	50.0	56.5	63.6	74.9
	Max: 300"	H: +/- 10%		5.65	24.0	28.0	33.9	40.1	45.2	56.5	67.8	79.9	90.4	101.7	120
AH-AC23030	Min: 60"	V: +/- 60%	Power Zoom and Focus 1.60x Zoom	5.52	23.5	27.3	33.1	39.2	44.2	55.2	66.3	78.1	88.4	99.4	117
	Max: 300"	H: +/- 10%		8.83	37.5	43.7	53.0	62.7	70.7	88.3	106.0	125.0	144	159	187

How to use the Throw Ratio (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 +/- 3%.
Specifications are subject to change without notice.