Lens Chart **Widescreen Attached Lens Projectors** **Jan. 23, 2017.**

EK-100W

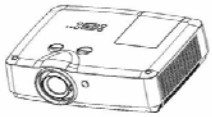
Resolution: WXGA (1280x800)
Aspect Ratio: (16 : 10)

			Screen Dimensions.						
H'	2.5	3.8	5	6.3	7.5	10	13.3		
W'	4.0	6.0	8.0	10.0	12.0	16.0	21.2	*	
D"	57	85	113	142	170	226	300		

	Diagonal	T/W	Shift/Limits		Throw (Distance to Screen) in feet.						
	Min: 30"	1.48	13:1		5.9	8.9	11.8	14.8	17.7	23.7	31.4
	Max: 300"	1.78	(fixed)		7.1	10.7	14.2	17.8	21.4	28.5	37.8

EK-301W

Resolution: WXGA (1280x800)
Aspect Ratio: (16 : 10)

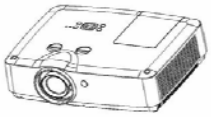


			Screen Dimensions.						
H'	2.5	3.8	5	6.3	7.5	10	13.3		
W'	4.0	6.0	8.0	10.0	12.0	16.0	21.2	*	
D"	57	85	113	142	170	226	300		

	Diagonal	T/W	Shift/Limits		Throw (Distance to Screen) in feet.						
	Min: 30"	1.40	10:1		5.6	8.4	11.2	14.0	16.8	22.4	29.6
	Max: 300"	2.26	(fixed)		9.1	13.6	18.1	22.6	27.2	36.2	48.0

EK-300U / EK-303U / EK-305U

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



			Screen Dimensions.						
H'	2.5	3.8	5	6.3	7.5	10	13.3		
W'	4.0	6.0	8.0	10.0	12.0	16.0	21.2	*	
D"	57	85	113	142	170	226	300		

	Diagonal	T/W	Shift/Limits		Throw (Distance to Screen) in feet.						
	Min: 30"	1.30	13:1		5.2	7.8	10.4	13.0	15.6	20.8	27.5
	Max: 300"	2.11	(fixed)		8.4	12.7	16.9	21.1	25.3	33.7	44.7

*** Large screen sizes are best used for background images / environmental purposes.**

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. The two sides of a ratio are cumulative, so the expression 7:-1 means that the bottom of the image starts 1/6'th of the image height above the imaginary line.

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 +/- 3.5%. Specifications are subject to change without notice.

Eiki International, Inc. Tel: 800-322-3454, Fax: 800-457-3454, E-mail: usa@eiki.com
In Canada: Tel: 800-563-3454, Fax: 800-567-4069, E-mail: canada@eiki.com
Website: http://www.eiki.com