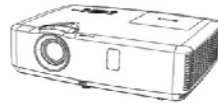


**EK-100W**

**Full Screen - 16:10**

Resolution: WXGA (1280x800)  
 Aspect Ratio: (10 High by 16 Wide by 18.868 Diagonal)  
 Aperture: 0.5003 in. wide



**Screen Dimensions.**

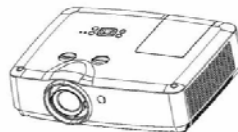
H'	2.5	3.8	5	6.3	7.5
W'	4.0	6.0	8.0	10.0	12.0
D''	57	85	113	142	170

EIKI Part No.	Ref.	T/R	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.					
EK-100W											
Standard Lens		1.48	13:1	0.754 ~ 0.906" Manual, Zoom	0.74	5.9	8.9	11.8	14.8	17.7	
		1.78	(fixed)	(19.16~23.02 mm) f:1.6~1.76	0.891	7.1	10.7	14.2	17.8	21.4	

**EK-301W**

**Full Screen - 16:10**

Resolution: WXGA (1280x800)  
 Aspect Ratio: (10 High by 16 Wide by 18.868 Diagonal)  
 Aperture: 0.5003 in. wide



**Screen Dimensions.**

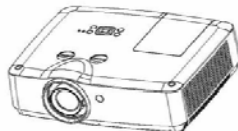
H'	2.5	3.8	5	6.3	7.5
W'	4.0	6.0	8.0	10.0	12.0
D''	57	85	113	142	170

EIKI Part No.	Ref.	T/R	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.				
EK-301W										
Standard Lens		1.40	10:1	0.719" ~ 1.156" Manual, Zoom	0.70	5.6	8.4	11.2	14.0	16.8
		2.26	(fixed)	(18.2 ~ 29.3 mm) f:1.65 ~ 2.65	1.13	9.1	13.6	18.1	22.6	27.2

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

**Full Screen - 16:10**

Resolution: WUXGA (1920x1200)  
 Aspect Ratio: (10 High by 16 Wide by 18.868 Diagonal)  
 Aperture: 0.542 in. wide



**Screen Dimensions.**

H'	2.5	3.8	5	6.3	7.5
W'	4.0	6.0	8.0	10.0	12.0
D''	57	85	113	142	170

EIKI Part No.	Ref.	T/R	Shift/Limits	Lens Description	EFL	Throw (Distance to Screen) in feet.				
EK-300U / EK-303U										
Standard Lens		1.30	13:1	0.719" ~ 1.156" Manual, Zoom	0.65	5.2	7.8	10.4	13.0	15.6
		2.11	(fixed)	(18.2 ~ 29.3 mm) f:1.65 ~ 2.65	1.06	8.4	12.7	16.9	21.1	25.3

**How to use the T/R column.** If your screen size does not appear on this chart, use the T/R column to find the lens you need.

Divide the Throw distance by the screen Width to get your "target T/R number". Then, look for a lens with a T/R 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.