EIKI **Lens Specs for Widescreen Attached Lens Projectors** **May13, 2016.**

EK-601W

Full Screen - 16:10

Resolution: WXGA (1280x800)
Aspect Ratio: (10 High by 16 Wide by 18.868 Diagonal)
Aperture: 0.55 in. wide

	Screen Dimensions.						
H'	1.8	2.7	3.5	4.9	7.5	11.3	13.2
W'	2.8	4.2	5.7	7.8	12.0	18	21.2
D"	40	60	80	110	170	255	300

EIKI Part No.	Ref.	T/W	Shift Range	Attached Lens	EFL	Throw (Distance to Screen) in feet.						
EK-601W												
Standard Lens		1.26	V: +/- 25%	FL: 0.694-1.234 " Power, Zoom	0.70	3.6	5.4	7.1	9.8	15.2	22.7	26.8
		2.26	H: +/- 10%	(17.63-31.36 mm) f: 2.3-3.15	1.25	6.4	9.6	12.8	17.6	27.2	40.7	48.0

EK-600U

Full Screen - 16:10

Resolution: WUXGA (1920x1200)
Aspect Ratio: (10 High by 16 Wide by 18.868 Diagonal)
Aperture: 0.56 in. wide

	Screen Dimensions.						
H'	1.8	2.7	3.5	4.9	7.5	11.3	13.2
W'	2.8	4.2	5.7	7.8	12.0	18	21.2
D"	40	60	80	110	170	255	300

EIKI Part No.	Ref.	T/W	Shift Range	Attached Lens	EFL	Throw (Distance to Screen) in feet.						
EK-600U												
Standard Lens		1.20	V: +/- 20%	FL: 0.694-1.234 " Power, Zoom	0.67	3.4	5.1	6.8	9.3	14.4	21.6	25.5
		2.16	H: +/- 10%	(17.63-31.36 mm) f: 2.3-3.15	1.21	6.1	9.2	12.2	16.8	26.0	38.9	45.8

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 **T**hrow distance by the screen **W**idth 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 +/- 5%. Specifications are subject to change without notice.

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