



**Eiki Lens Chart**

**Lens Specs: Attached Lens Models**

**Dec. 5, 2016**

<b>EK-101X, EK-102X, EK-103X</b>					<b>H'</b>	3.0	4.5	6	7.5	9
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)					<b>W'</b>	4	6	8	10	12
Aperture: 0.64 in. wide					<b>D"</b>	60	90	120	150	180
	<b>T/R</b>	<b>Shift/Limits</b>	<b>Lens Description</b>	<b>EFL</b>	<b>Throw Distance to Screen in feet.</b>					
	1.48	13:1	0.754 ~ 0.906" Manual, Zoom	0.944	5.9	8.9	11.8	14.8	17.7	
	1.78	(fixed)	(19.16~23.02 mm) f:1.6~1.76	1.142	7.1	10.7	14.3	17.8	21.4	

<b>EK-302X</b>					<b>H'</b>	3.0	4.5	6	7.5	9
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)					<b>W'</b>	4	6	8	10	12
Aperture: 0.504 in. wide					<b>D"</b>	60	90	120	150	180
	<b>T/R</b>	<b>Shift/Limits</b>	<b>Lens Description</b>	<b>EFL</b>	<b>Throw Distance to Screen in feet.</b>					
	1.40	13:1	0.719"~1.156" Manual, Zoom	0.708	5.6	8.4	11.2	14.0	16.9	
	2.26	(fixed)	(18.2~29.3 mm) f:1.65~2.65	1.140	9.0	13.6	18.1	22.6	27.1	

**For all models**

<b>Image Height for 16:9:</b> width stays the same as 4:3 (ignore Diagonal).	<b>H'</b>	2.25	3.38	4.50	5.63	6.75
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**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.

**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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