Lens Specs for Widescreen Attached Lens Projectors

EIKI

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				LC-WB42NA, LC-WB42N							
Full Screen -	Screen Dimensions.										
Resolution: WXG Aspect Ratio: (10			19 969 Diagon	20	H' W'	1.8 2.8	2.7 4.2	3.5 5.7	4.9 7.8	6.3 10.0	7.5 12.0
Aperture:		2 in. wide		a <i>i)</i>	D"	40	4.2 60	80	110	142	170
EIKI Part No.	Ref.	T/W	Shift/Limits	Attached Lens	EFL	Throw	Distand	e to Sc	reen) i	n feet.	
LC-WB42NA, LC-	WB42N										
Standard Lens	_	1.18	49:1	0.756" ~ 1.189" Manual, Zoom	0.74	3.3	5.0	6.7	9.2	11.8	14.2
		1.86	(fixed)	(19.2 ~ 30.2 mm) f:1.7 ~ 2.5	1.17	5.3	7.9	10.5	14.5	18.6	22.4
	46.40			LC-WNS3200							
Full Screen - Resolution: WXG		00)			н'	Screen 1.8	2.7	3.5	4.9	6.3	7.5
Aspect Ratio: (10	High by 16	6 Wide b		al)	w'	2.8	4.2	5.7	7.8	10.0	12.0
Aperture:	0.50032	2 in. wide	e		D"	40	60	80	110	142	170
EIKI Part No.	Ref.	T/W	Shift/Limits	Attached Lens	EFL	Throw	Distand	e to Sc	reen) i	n feet.	
LC-WNS3200	7										
Standard Lens	_	1.45	13:1	0.752"~0.901" Manual, Zoom	0.727	4.1	6.2	8.2	11.3	14.5	17.4
		1.74	(fixed)	(19.1~22.8 mm) f:2.1~2.5	0.871	4.9	7.4	9.8	13.5	17.4	20.9
				LC-WB100, LC-WB200/W							
Full Screen -							Dimens		1.0		7.5
Resolution: WXG Aspect Ratio: (10		,	v 18.868 Diagon	al)	H' W'	1.8 2.8	2.7 4.2	3.5 5.7	4.9 7.8	6.3 10.0	7.5
Aperture:		2 in. wide			D"	40	60	80	110	142	170
EIKI Part No.	Ref.	T/W	Shift/Limits	Attached Lens	EFL	Throw	Distand	e to Sc	reen) i	n feet.	
LC-WB100, LC-W	/B200		1								
Standard Lens		1.19	49:1	0.609" ~ 0.965" Manual, Zoom	0.60	3.4	5.0	6.7	9.3	11.9	14.3
		1.91	(fixed)	(15.5 ~ 24.5 mm) f:1.65 ~ 2.33	0.96	5.4	8.1	10.8	14.9	19.1	22.9
				LC-WBS500							
Full Screen - 16:10 Resolution: WXGA (1280x800)						Screen 1.8	Dimens 2.7	sions. 3.5	4.9	6.3	7.5
Aspect Ratio: (10			y 18.868 Diagon	al)	H' W'	2.8	4.2	5.7	7.8	10.0	12.0
Aperture:	0.50032	2 in. wide	e		D"	40	60	80	110	142	170
EIKI Part No.	Ref.	T/W	Shift/Limits	Attached Lens	EFL	Throw (Distance to Screen) in feet.					
LC-WBS500											
Standard Lens	-	1.48 2.47	9:1 (fixed)	0.742-1.235" Manual, Zoom (19.36-31.94 mm) f:1.6~2.08	0.742	4.2	6.3 10.5	8.4 13.9	11.5 19.2	14.8 24.7	17.8 29.6
		2.47	(lixed)	· · · · ·	1.233	7.0	10.5	13.9	19.2	24.7	29.0
				LC-WNB3000N							
Full Screen - Resolution: WXG					н	Screen 1.8	Dimens 2.7	sions. 3.5	4.9	6.3	7.5
Aspect Ratio: (10			y 18.868 Diagon	al)	ŵ	2.8	4.2	5.7	7.8	10.0	12.0
Aperture:	0.50032	2 in. wide	e		D"	40	60	80	110	142	170
EIKI Part No.	Ref.	T/W	Shift/Limits	Attached Lens	EFL	Throw	Distand	e to Sc	reen) i	n feet.	
LC-WNB3000N	٦										
Standard Lens		1.45	9:1	0.728-0.874" Manual, Zoom	0.727	4.1	6.2	8.2	11.3	14.5	17.4
		1.73	(fixed)	(18.5-22.2 mm) f:1.6~1.9	0.868	4.9	7.4	9.8	13.5	17.3	20.8
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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.

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