

Lenses for LC-WGC500

Resolution: WXGA (1280x800)
 Aspect Ratio: (10 High by 16 Wide by 18.87 Diagonal)
 True Aperture: 0.81 in. wide

Screen Dimensions (H & W in ft., D in in.).

H'	1.30	2.20	4.40	5.00	6.60	7.50	10.0	13.3
W'	2.12	3.53	7.08	8.00	10.6	12.0	16.0	21.2
D"	29.8	50	100	113	150	170	226	300

Standard Lens	Ref.	T/W	Shift/Limits	Standard Lens	Xtend	EFL	Distance (expressed in feet).										
Standard Lens		1.61	10:0~1:1	1.30"~1.69" Power, Zoom	0.0"	1.30	-	5.7	11.4	12.9	17.1	19.4	25.8	34.2			
645 093 9068	S11	2.10		(33~43 mm) f:1.7~2.1	0.0 mm	1.69	4.5	7.4	14.9	16.8	22.3	25.2	33.6	-			
(aka AH-23421)																	

Auxiliary Lenses		T/W		Auxiliary Lenses	Xtend	EFL	Distance (expressed in feet).										
0001-4298	1625	0.78	1:1	0.629" Manual, Fixed	3.5"	0.629	1.7	2.8	5.5	6.2	8.3	9.4	12.5	16.6			
			(On Axis)	(16 mm) f:2.5	89 mm												

AH-23631	W11	0.81	1:1	0.065" Manual, Fixed	0.0"	0.650	1.7	2.8	5.7	6.5	8.5	9.7	12.9	17.1	
			(On Axis)	(16.51 mm) f:2.3	0.0 mm										

0001-4300	2125	1.03	1:1	0.826" Manual, Fixed	4"	0.826	2.2	3.6	7.3	8.2	10.9	12.3	16.4	21.7	
			(On Axis)	(21 mm) f:2.5	102mm										

0001-4264	1028	1.24	8:1~1:1	1.0" Manual, Fixed	2.5"	1.00	2.6	4.4	8.8	9.9	13.1	14.9	19.9	26.3	
				(25.4 mm) f:2.8	64 mm										

AH-23511	W10	1.24	10:0~1:1	1.0"~1.3" Power, Zoom	0.0"	1.00	2.6	4.4	8.8	9.9	13.1	14.9	19.9	26.3	
		1.61		(25.4~33.0 mm) f:2.3~2.6	0.0 mm	1.30	3.4	5.7	11.4	12.9	17.1	-	-	-	

AH-23541	T10	2.12	10:0~1:1	1.71"~2.74" Power, Zoom	1.0"	1.71	4.5	7.5	15	17.0	22.5	25.5	34	45	
		3.40		(43.43~69.49 mm) f:2.0~2.6	25 mm	2.74	7.2	12	24.1	27.2	36	-	-	-	

0001-4269*	275	2.45	10:0~1.1	1.97~2.76" Manual, Zoom	1.5"	1.97	5.2	8.6	17.3	19.6	25.9	29.3	39.1	51.8	
		3.43	max w/a stripe	(50~70 mm) f:2.5	38 mm	2.76	7.3	12.1	24.3	27.4	36.3	41.1	54.8	72.6	

AH-23661	T11	3.38	10:0~1.1	2.72"~4.30" Power, Zoom	1.14"	2.72	7.2	11.9	23.9	27.0	35.8	40.5	54	71.6	
		5.34		(69.1~109.3 mm) f:2.1~2.5	29 mm	4.30	11.3	18.8	37.8	42.7	56.5	64.1	85.4	113	

0001-4266*	500	3.41	10:0~1.1	2.75"~5.00" Manual, Zoom	4"	2.75	7.2	12.1	24.2	27.3	36.2	41	54.6	72.4	
		6.21	midrange stripe	(70~120 mm) f:2.8	102 mm	5.00	13.2	21.9	43.9	49.7	65.7	74.5	99.3	132	

0001-4267*	087	6.46	10:0~1.1	5.2"~8.7" Manual, Zoom	8"	5.20	13.7	22.8	45.7	51.6	68.4	77.5	103	136.9	
		10.80	max tele stripe	(132~220 mm) f:3.0	203 mm	8.70	22.9	38.1	76.5	86.4	114	130	173	229	

0001-4268*	900	7.58	10:0~1.1	6.00"~9.00" Manual, Zoom	7"	6.00	15.8	26.3	52.7	59.6	78.9	89.4	119	157.9	
		11.36	telephoto stripe	(152~229 mm) f:3.5	178 mm	9.00	23.7	39.4	79.1	89.4	118	134	179	236.9	

Image Width for 4:3: height stays the same as 16:10 (ignore Diagonal).						W	1.7	2.9	5.9	6.7	8.8	10.0	13.3	17.7
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* Limits - Lenses marked with an asterisk (*) generate a focused stripe of light outside the projected image at some point in their zoom.

Xtend - This column indicates the amount the lens protrudes from the front face of the cabinet at maximum extension.

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. 10:0 = top of the image.

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.%. Specifications are subject to change without notice.