

# 900 Series Optional Lenses

For 9000 Professional Series Projectors

**HITACHI**  
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Multiple lens options for greater installation flexibility.



Lens	USL901	SL902	SD903W	SD903X	ML904	LL905	UL906
<b>Zoom Ratio</b>	x 1.3	x 1.5	x 1.5	x 1.5	x 1.5	x 1.6	x 1.6
<b>F Number</b>	1.8 (Wide) - 2.3 (Tele)	1.8 (Wide) - 2.3 (Tele)	1.6 (Wide) - 2.0 (Tele)	1.6 (Wide) - 2.0 (Tele)	1.8 (Wide) - 2.3 (Tele)	1.8 (Wide) - 2.2 (Tele)	1.8 (Wide) - 2.3 (Tele)
<b>Focal Length</b>	11 mm (Wide) - 14 mm (Tele)	17 mm (Wide) - 25 mm (Tele)	24 mm (Wide) - 36 mm (Tele)	24 mm (Wide) - 36 mm (Tele)	35 mm (Wide) - 54 mm (Tele)	51 mm (Wide) - 83 mm (Tele)	82 mm (Wide) - 130 mm (Tele)
<b>Dimensions (W x H x L)</b>	7.8 x 5.9 x 6.0 in.	7.9 x 5.9 x 6.0 in.	7.2 x 5.0 x 6.0 in	7.2 x 5.0 x 6.0 in	8.6 x 5.0 x 6.0 in	9.1 x 5.0 x 6.0 in	8.4 x 5.0 x 6.0 in
<b>Weight</b>	4.0 lbs.	4.4 lbs.	2.9 lbs.	2.9 lbs.	4.0 lbs.	4.2 lbs.	4.0 lbs.
<b>Image Size</b>	50" - 600"	50" - 600"	50" - 600"	50" - 600"	50" - 600"	50" - 600"	50" - 600"

Seven lenses are available to match various screen sizes and installation environments. Projection is possible in diverse installation areas from small conference rooms to auditoriums, convention halls, and other large spaces.

		Projection Distance (Projector front panel to screen for a 100 inch image)	Throw Ratio	Projection distances for optional lenses when projecting onto a 100" screen
<b>USL901</b> Ultra short throw lens Zoom: x 1.3	CP-WU9410 CP-WX9210 CP-X9110	67"-84" (1.7-2.1m) 71"-88" (1.8-2.2m) 66"-82" (1.7-2.1m)	0.8 - 1.0 0.8 - 1.0 0.8 - 1.0	
<b>SL902</b> Short throw lens Zoom: x 1.5	CP-WU9410 CP-WX9210 CP-X9110	100"-149" (2.5-3.8m) 105"-156" (2.7-4.0m) 98"-146" (2.5-3.7m)	1.1 - 1.7 1.2 - 1.8 1.2 - 1.8	
<b>SD903W</b> Standard lens Zoom: x 1.5	CP-WU9410 CP-WX9210	140"-209" (3.5-5.3m) 147"-220" (3.7-5.6m)	1.6 - 2.4 1.7 - 2.6	
<b>SD903X</b> Standard lens Zoom: x 1.5	CP-X9110	136"-205" (3.5-5.2m)	1.7 - 2.5	
<b>ML904</b> Middle lens Zoom: x 1.5	CP-WU9410 CP-WX9210 CP-X9110	205"-313" (5.2-7.9m) 216"-329" (5.5-8.3m) 200"-306" (5.1-7.8m)	2.4 - 3.6 2.5 - 3.8 2.5 - 3.8	
<b>LL905</b> Long throw lens Zoom: x 1.6	CP-WU9410 CP-WX9210 CP-X9110	298"-482" (7.6-12.2m) 314"-506" (8.0-12.9m) 291"-471" (7.4-12.0m)	3.5 - 5.6 3.7 - 5.9 3.6 - 5.8	
<b>UL906</b> Ultra long throw lens Zoom: x 1.6	CP-WU9410 CP-WX9210 CP-X9110	472"-749" (12.0-19.0m) 496"-786" (12.6-20.0m) 462"-732" (11.7-18.6m)	5.5 - 8.8 5.8 - 9.2 5.7 - 9.1	

**1.800.HITACHI**  
[dmd.info@hal.hitachi.com](mailto:dmd.info@hal.hitachi.com)  
[hitachi-america.us/projectors](http://hitachi-america.us/projectors)

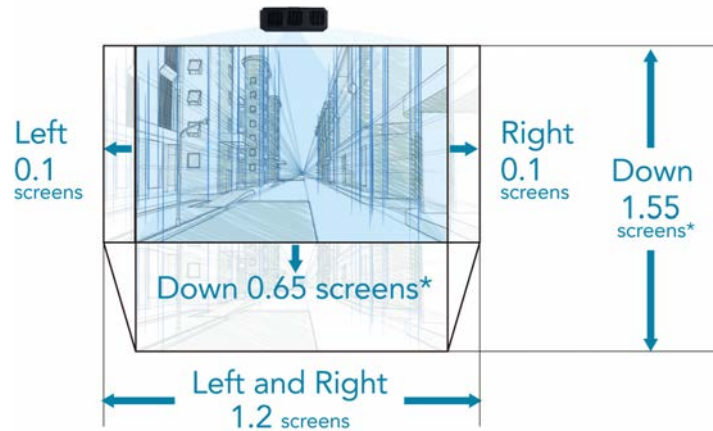


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## Lens Shift

Vertical or horizontal distance from the center of the projected image to the point where the lens axis intersects the screen. Illustrations below show the range of LENS SHIFT when the projector is installed upside down such as ceiling mount.



## 900 Series Lens Shift

		USL901	USL902	SD903X/SD903W	ML904	LL905	UL906
<b>CP-X9110</b>	Left/Right	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%
	Down	0-50%	0-55%	0-55%	0-55%	0-55%	0-55%
<b>CP-WX9210</b>	Left/Right	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%
	Down	0-55%	0-65%	0-65%	0-65%	0-65%	0-65%
<b>CP-WU9410</b>	Left/Right	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%
	Down	0-50%	0-60%	0-60%	0-60%	0-60%	0-60%

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