Christie DHD700/850-GS Lens Throw Ratios

The table on the following pages detail the information required to calculate the lens throw ratios for the Christie DHD700/850-GS projector.

Lens	Throw Distance Formula		Vertical/Horizontal	Diagonal Screen Sizes	
	Imperial (in)	Metric (cm)	Offset (%)	Imperial (in)	Metric (cm)
0.75-0.95:1 Zoom (140-119102-01)	TDmin = 0.761 x W + 3.52	TDmin = 0.761 x W + 8.93	+121 /- 120 V	50 to 300	127 to 762
	TDmax = 0.966 x W + 3.50	TDmax = 0.966 x W + 8.88	+29 /- 31 H		
0.95-1.22:1 Zoom (140-101103-01)	TDmin = 0.966 x W + 3.14	TDmin = 0.966 x W + 7.97	+121.24 /- 119.83 V	50 to 300	127 to 762
	TDmax = 1.240 x W + 3.20	TDmax = 1.240 x W + 8.13	+29 /- 31 H		
1.22-1.52:1 Zoom (140-131106-01)	TDmin = 1.236 x W + 3.45	TDmin = 1.236 x W + 8.76	+120 /- 119 V	50 to 300	127 to 762
	TDmax = 1.543 x W + 3.50	TDmax = 1.543 x W + 8.89	+29 /- 30 H		
1.52-2.92:1 Zoom (140-102104-01)	TDmin = 1.546 x W + 2.75	TDmin = 1.546 x W + 6.99	+121 /- 119 V	50 to 300	127 to 762
	TDmax = 2.948 x W + 3.05	TDmax = 2.948 x W + 7.75	+29 /- 30 H		
2.90-5.50:1 Zoom (140-107109-01)	TDmin = 2.822 x W + 11.44	TDmin = 2.822 x W + 29.07	+121 /- 120 V	50 to 300	127 to 762
	TDmax = 5.362 x W + 10.70	TDmax = 5.362 x W + 27.18	+29 /- 30 H		

- Throw distance measured from the center of the front foot of the projector.
- All lenses are made of glass.
- Calculated throw distance (TD) values are subject to a +/- 5% tolerance for individual lens variation.
- Calculated offset values are subject to a +/- 7% centering tolerance.