Christie DHD1075-GS Lens Throw Ratios

The table on the following pages detail the information required to calculate the lens throw ratios for the Christie DHD1075-GS projector.

Lens	Throw distance formula		Vertical/ horizontal offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
0.36 (120in) ultra short throw (140-133108-XX)	TDmin = 0.340 x W + 3.297	TDmin = 0.340 x W + 8.375	Fixed	120 to 350	305 to 889
0.65-0.75:1 zoom (140-133108-XX)	TDmin = 0.669 x W + 4.17	TDmin = 0.669 x W + 10.58	+/- 120% V	50 to 300	127 to 762
	TDmax = 0.773 x W + 3.94	TDmax = 0.773 x W + 10	+/- 30% H		
0.75-0.95:1 zoom (140-119102-XX)	TDmin = 0.761 x W + 3.52	TDmin = 0.761 x W + 8.93	+/- 120% V	50 to 300	127 to 762
	TDmax = 0.966 x W + 3.50	TDmax = 0.966 x W + 8.88	+/- 30% H		
0.95-1.22:1 zoom (140-101103-XX)	TDmin = 0.966 x W + 3.14	TDmin = 0.966 x W + 7.97	+/- 120% V	50 to 300	127 to 762
	TDmax = 1.240 x W + 3.20	TDmax = 1.240 x W + 8.13	+/- 30% H		
1.22-1.52:1 zoom (140-131106-XX)	TDmin = 1.236 x W + 3.45	TDmin = 1.236 x W + 8.76	+/- 120% V	50 to 300	127 to 762
	TDmax = 1.543 x W + 3.50	TDmax = 1.543 x W + 8.89	+/- 30% H		
1.52-2.92:1 zoom (140-102104-XX)	TDmin = 1.546 x W + 2.75	TDmin = 1.546 x W + 6.99	+/- 120% V	50 to 300	305 to 762
	TDmax = 2.948 x W + 3.05	TDmax = 2.948 x W + 7.75	+/- 30% H		

Lens	Throw distance formula		Vertical/ horizontal offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
2.90-5.50:1 Zoom (140-107109-XX)	TDmin = 2.822 x W + 11.44	TDmin = 2.822 x W + 29.07	+/- 120% V	50 to 300	127 to 762
	TDmax = 5.362 x W + 10.70	TDmax = 5.362 x W + 27.18	+/- 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 +/- 3% tolerance for individual lens variation.
- Calculated offset values are subject to a +/- 7% centering tolerance.