

Christie DHD635-GS lens throw ratios

The following table details the information required to calculate the lens throw ratios for the Christie DHD635-GS projectors.

Lens	Throw distance formula		Vertical and 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
0.75-0.95:1 Zoom (140-119102-XX)	TDmin = 0.75 x W + 2.05	TDmin = 0.75 x W + 5.30	+120% /- 120% V	50 to 300	127 to 762
	TDmax = 0.95 x W + 2.05	TDmax = 0.95 x W + 5.30	+30% /- 30% H		
0.95-1.22:1 Zoom (140-101103-XX)	TDmin = 0.95 x W + 2.03	TDmin = 0.95 x W + 5.20	+120% /- 120% V	50 to 300	127 to 762
	TDmax = 1.22 x W + 2.03	TDmax = 1.22 x W + 5.20	+30% /- 30% H		
1.22-1.53:1 Zoom (140-132107-01)	TDmin = 1.22 x W + 1.29	TDmin = 1.22 x W + 3.0	+120% /- 120% V	50 to 300	127 to 762
	TDmax = 1.53 x W + 1.29	TDmax = 1.53 x W + 3.0	+30% /- 30% H		
1.22-1.52:1 Zoom (140-131106-XX)	TDmin = 1.236 x W + 2.56	TDmin = 1.236 x W + 6.49	+120% /- 120% V	50 to 300	127 to 762
	TDmax = 1.543 x W + 2.61	TDmax = 1.543 x W + 6.62	+30% /- 30% H		
1.52-2.92:1 Zoom (140-102104-XX)	TDmin = 1.52 x W + 2.81	TDmin = 1.52 x W + 7.10	+120% /- 120% V	50 to 300	127 to 762
	TDmax = 2.92 x W + 2.81	TDmax = 2.92 x W + 7.10	+30% /- 30% H		

Lens	Throw distance formula		Vertical and horizontal offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
2.90-5.50:1 Zoom (140-107109-XX)	TDmin = 2.90 x W + 3.66	TDmin = 2.90 x W + 9.30	+120% /- 120% V	50 to 300	127 to 762
	TDmax = 5.50 x W + 3.66	TDmax = 5.50 x W + 9.30	+30% /- 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.