

Christie DWX555-GS lens throw ratios

The following table details the information required to calculate the lens throw ratios for the Christie DWX555-GS projectors.

Lens	Throw distance formula		Vertical and horizontal Offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
0.79-1.00:1 Zoom (140-119102-XX)	TDmin = 0.79 x W + 2.05	TDmin = 0.79 x W + 5.30	+103% /- 101% V	50 to 300	127 to 762
	TDmax = 1.00 x W + 2.05	TDmax = 1.00 x W + 5.30	+32% /- 31% H		
1.00-1.28:1 Zoom (140-101103-XX)	TDmin = 1.00 x W + 2.03	TDmin = 1.00 x W + 5.20	+100% /- 100% V	50 to 300	127 to 762
	TDmax = 1.28 x W + 2.03	TDmax = 1.28 x W + 5.20	+/- 30% H		
1.22-1.52:1 Zoom (140-131106-XX)	TDmin = 1.274 x W + 2.63	TDmin = 1.274 x W + 6.69	+100% /- 100% V	50 to 300	127 to 762
	TDmax = 1.590 x W + 2.69	TDmax = 1.590 x W + 6.82	+/- 30% H		
1.28-1.61:1 Zoom (140-100102-XX)	TDmin = 1.28 x W + 1.29	TDmin = 1.28 x W + 3.30	+116% /- 120% V	50 to 300	127 to 762
	TDmax = 1.61 x W + 1.29	TDmax = 1.61 x W + 3.30	+/- 30% H		
1.60-3.07:1 Zoom (140-102104-XX)	TDmin = 1.60 x W + 2.81	TDmin = 1.60 x W + 7.10	+100% /- 100% V	50 to 300	127 to 762
	TDmax = 3.07 x W + 2.81	TDmax = 3.07 x W + 7.10	+/- 30% H		

Lens	Throw distance formula		Vertical and horizontal Offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
3.04-5.78:1 Zoom (140-107109-XX)	TDmin = 3.04 x W + 3.66	TDmin = 3.04 x W + 9.30	+100% /- 100% V	50 to 300	127 to 762
	TDmax = 5.78 x W + 3.66	TDmax = 5.78 x W + 9.30	+/- 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.