

Christie DXG1051-Q lens throw ratios

The following table details the information required to calculate the lens throw ratios for the Christie DXG1051-Q projectors.

Lens	Throw distance formula		Vertical and horizontal offset	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
0.8-1.0:1 zoom (121-118101-XX)	TDmin = 0.81 x W + 2.67	TDmin = 0.81 x W + 6.77	+105% -40% V	50 to 600	127 to 1524
	TDmax = 1.01 x W + 2.80	TDmax = 1.01 x W + 7.12	±22% H		
1.2-1.8:1 zoom (121-119102-XX)	TDmin = 1.22 x W + 1.43	TDmin = 1.22 x W + 3.63	+115% -40% V	50 to 600	127 to 1524
	TDmax = 1.82 x W + 1.78	TDmax = 1.82 x W + 4.53	±22% H		
1.7-2.5:1 zoom—standard lens (121-121105-XX/121-134109-XX)	TDmin = 1.71 x W + 0.95	TDmin = 1.71 x W + 2.40	+115% -40% V	50 to 600	127 to 1524
	TDmax = 2.56 x W + 1.22	TDmax = 2.56 x W + 3.09	±22% H		
2.5-3.8:1 zoom (121-122106-XX)	TDmin = 2.52 x W + 0.32	TDmin = 2.52 x W + 0.81	+115% -40% V	50 to 600	127 to 1524
	TDmax = 3.83 x W + 1.22	TDmax = 3.83 x W + 3.09	±22% H		
3.6-5.8:1 zoom (121-123107-XX)	TDmin = 3.69 x W - 1.88	TDmin = 3.69 x W - 4.78	+115% -40% V	50 to 600	127 to 1524
	TDmax = 5.93 x W - 1.81	TDmax = 5.93 x W - 4.60	±22% H		
5.7-9.1:1 zoom (121-124108-XX)	TDmin = 5.65 x W + 11.41	TDmin = 5.65 x W + 28.98	+115% -40% V	50 to 600	127 to 1524
	TDmax = 9.02 x W + 12.49	TDmax = 9.02 x W + 31.73	±22% 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.