

Christie LWU701i lens throw ratios

The following table details the information required to calculate the lens throw ratios for the Christie LWU701i projectors.

Lens	Throw distance formula		Vertical and horizontal Offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
1.0:1/0.81:1 fixed (121-111104-XX)	TD = 0.80 x W + 3.13	TD = 0.80 x W + 7.94	+19% /- 21% V	30 to 600	76 to 1524
			+11% /- 14% H		
1.5-2.2/1.2-1.81 short zoom (121-129103-XX)	TDmin = 1.17 x W + 2.91	TDmin = 1.17 x W + 7.38	+117% /- 43% V	30 to 600	76 to 1524
	TDmax = 1.76 x W + 2.85	TDmax = 1.76 x W + 7.25	+20% /- 22% H		
1.7-3.0/1.75-2.98 medium zoom (121-130105-XX)	TDmin = 1.71 x W + 3.36	TDmin = 1.71 x W + 8.54	+123% /- 42% V	30 to 600	76 to 1524
	TDmax = 2.90 x W + 3.17	TDmax = 2.90 x W + 8.05	+19% /- 22% H		
3.6-6.1/2.88-4.93 long zoom (121-114107-XX)	TDmin = 2.82 x W + 2.06	TDmin = 2.82 x W + 5.23	+115% /- 42% V	30 to 600	76 to 1524
	TDmax = 4.83 x W - 0.74	TDmax = 4.83 x W - 1.87	+20% /- 22% H		
6.0-10.3/4.78-8.22 ultra long zoom (121-115108-XX)	TDmin = 4.67 x W + 12.04	TDmin = 4.67 x W + 30.57	+116% /- 41% V	30 to 600	76 to 1524
	TDmax = 8.05 x W + 10.30	TDmax = 8.05 x W + 26.15	+20% /- 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.