

Inspire Series lens throw ratios

The following table details the information required to calculate the lens throw ratios for the Inspire Series projectors.

Lens	Throw distance formula		Vertical and horizontal offset (%)	Diagonal screen sizes	
	Imperial (in)	Metric (cm)		Imperial (in)	Metric (cm)
0.65-0.75:1 short throw (lens included)	TDmin = (W*0.67)+1.98	TDmin = (W*0.67)+5.023	+/- 110% V	50 to 300	127 to 762
	TDmax = (W*0.77)+1.98	TDmax = (W*0.77)+5.02	+/- 50% H		
1.25-2.00:1 zoom (lens included)	TDmin = (W*1.28)+1.60	TDmin = (W*1.28)+4.07	+/- 110% V	60 to 200	152.4 to 508
	TDmax = (W*2.03)+1.63	TDmax = (W*2.03)+4.15	+/- 50% H		

- Throw distance measured from the center of the front foot of the projector.
- 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.