

D12HD-H Lens Throw Ratios

The following table details the information required to calculate the lens throw ratios (LTR) for the D12HD-H projectors.

Lens	Throw distance formula		Vertical/horizontal	Max/min screen width sizes	
	Standard (inches)	Metric (CM)	Offset	Standard (inches)	Metric (CM)
0.84-1.02:1 Zoom (140-114107-xx)	TDmin = 0.84 x W + 3.9	TDmin = 0.84 x W + 10	+110% /- 86% V	50 to 500	127 to 1270
	TDmax = 1.02 x W + 3.9	TDmax = 1.02 x W + 10	+34% /- 39% V		
1.02-1.36:1 Zoom (140-115108-xx)	TDmin = 1.02 x W + 2.4	TDmin = 1.02 x W + 6	+125% /- 98% V	50 to 500	127 to 1270
	TDmax = 1.36 x W + 2.4	TDmax = 1.36 x W + 6	+42% /- 47% V		
1.2-1.50:1 Zoom (140-109101-xx)	TDmin = 1.2 x W + 5.1	TDmin = 1.2 x W - 13	+/- 140% V	50 to 500	127 to 1270
	TDmax = 1.5 x W + 4.7	TDmax = 1.5 x W - 12	+/- 50% H		
1.5-2.0:1 Zoom (140-110103-xx)	TDmin = 1.5 x W - 2.4	TDmin = 1.5 x W - 6	+/- 140% V	50 to 500	127 to 1270
	TDmax = 2.0 x W - 2.4	TDmax = 2.0 x W - 6	+/- 50% H		
2.0-4.0:1 Zoom (140-111104-xx)	TDmin = 2.0 x W + 7.1	TDmin = 2.0 x W + 18	+/- 140% V	50 to 500	127 to 1270
	TDmax = 4.0 x W + 3.9	TDmax = 4.0 x W + 10	+/- 50% H		
4.0-7.2:1 Zoom (140-116109-xx)	TDmin = 3.95 x W + 6.35	TDmin = 3.95 x W + 16	+/- 140% V	50 to 500	127 to 1270
	TDmax = 7.14 x W + 4.41	TDmax = 7.14 x W + 11	+/- 50% H		

- Throw distance measured from the front bezel 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.