

LX505-605 Lens Throw Ratios Technical Reference Information

INTRODUCTION

The table on the following page details the information required to calculate the Lens Throw Ratios for the LX505-605 projectors.

LX505-605 Lens Information

Lens	Throw Distance Formula		Vertical/Horizontal Offset	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
0.8:1 (103-124108-01)	TD = 0.80 x W + 1.44"	TD = 0.80 x W + 3.65 cm	On Axis V	40" to 400"	100 to 1016 cm
			On Axis H		
1.25-1.70:1 Zoom (103-125109-01)	TDmin = 1.25 x W + 1.54"	TDmin = 1.25 x W + 3.92 cm	+/- 105% V	40" to 400"	100 to 1016 cm
	TDmax = 1.70 x W + 1.61"	TDmax = 1.70 x W + 4.10 cm	+/- 25% H		
1.70-2.89:1 Zoom (103-126100-01) (included)	TDmin = 1.70 x W + 1.56"	TDmin = 1.70 x W + 3.97 cm	+/- 105% V	40" to 400"	100 to 1016 cm
	TDmax = 2.89 x W + 1.85"	TDmax = 2.89 x W + 4.70 cm	+/- 25% H		
2.89-4.60:1 Zoom (103-127101-01)	TDmin = 2.89 x W - 0.76"	TDmin = 2.89 x W - 1.92 cm	+/- 105% V	40" to 400"	100 to 1016 cm
	TDmax = 4.60 x W - 0.70"	TDmax = 4.60 x W - 1.79 cm	+/- 25% H		
4.60-7.36:1 Zoom (103-128102-01)	TDmin = 4.60 x W - 4.65"	TDmin = 4.60 x W - 11.82 cm	+/- 105% V	40" to 400"	100 to 1016 cm
	TDmax = 7.36 x W - 4.56"	TDmax = 7.36 x W - 11.59 cm	+/- 25% H		

NOTES: **1)** Throw distance measured from the center of the front foot of the projector. **2)** All lenses are made of glass. **3)** Calculated throw distance (TD) values are subject to a ± 5% tolerance for individual lens variation. **4)** Calculated offset values are subject to a ± 7% centering tolerance.