

LWU505 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 LWU505 projector.

LWU505 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	+/- 130% 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)	TDmin = 1.70 x W + 1.56"	TDmin = 1.70 x W + 3.97 cm	+/- 130% 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	+/- 130% 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	+/- 130% 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.