

DWU670-E 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 DWU670-E projector.

DWU670-E Lens Information

Lens	Throw Distance Formula		Vertical/Horizontal Offset	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
0.8:1 (133-100102-01)	TD = 0.80 x W + 0"	TD = 0.80 x W + 0 cm	On Axis V	30" to 500"	76 to 1270 cm
			On Axis H		
1.20-1.50:1 Zoom (133-101103-01)	TDmin = 1.20 x W + 0"	TDmin = 1.20 x W + 0 cm	+120%/- 40% V	30" to 500"	76 to 1270 cm
	TDmax = 1.50 x W + 0"	TDmax = 1.50 x W + 0 cm	+/- 20% H		
1.50-2.00:1 Zoom (133-102104-01)	TDmin = 1.50 x W + 0"	TDmin = 1.50 x W + 0 cm	+120%/- 40% V	30" to 500"	76 to 1270 cm
	TDmax = 2.00 x W + 0"	TDmax = 2.00 x W + 0 cm	+/- 20% H		
2.00-4.00:1 Zoom (133-103105-01)	TDmin = 2.00 x W - 0"	TDmin = 2.00 x W - 0 cm	+120%/- 40% V	30" to 500"	76 to 1270 cm
	TDmax = 3.70 x W - 0"	TDmax = 3.70 x W - 0 cm	+/- 20% H		
4.00-7.00:1 Zoom (133-104106-01)	TDmin = 3.70 x W - 0"	TDmin = 3.70 x W - 0 cm	+120%/- 40% V	30" to 500"	76 to 1270 cm
	TDmax = 7.00 x W - 0"	TDmax = 7.00 x W - 0 cm	+/- 20% 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 $\pm 5\%$ tolerance for individual lens variation. **4)** Calculated offset values are subject to a $\pm 7\%$ centering tolerance.