

DS+750 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 DS+750 projectors.

DS+750 Lens Information

Lens	Throw Distance Formula		Vertical/Horizontal Offset	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
0.8:1 (103-117100-01)	TD = 0.87 x W + 5.40"	TD = 0.87 x W + 13.69cm	On Axis V	50" to 200"	127 to 508 cm
			On Axis H		
1.2-1.5:1 Zoom (103-118101-01)	TDmin = 1.30 x W + 5.06"	TDmin = 1.30 x W + 12.84cm	+/- 100% V	50" to 600"	127 to 1524 cm
	TDmax = 1.63 x W + 5.10"	TDmax = 1.63 x W + 12.95cm	+/- 70% H	50" to 600"	127 to 1524 cm
1.5-1.8:1 Zoom (103-119102-01)	TDmin = 1.62 x W + 4.80"	TDmin = 1.62 x W + 12.18cm	+/- 110% V	50" to 600"	127 to 1524 cm
	TDmax = 1.95 x W + 4.86"	TDmax = 1.95 x W + 12.35cm	+/- 90% H	50" to 600"	127 to 1524 cm
1.8-2.8:1 Zoom (103-120104-01)	TDmin = 1.95 x W + 3.67"	TDmin = 1.95 x W + 9.31cm	+/- 110% V	50" to 600"	127 to 1524 cm
	TDmax = 3.08 x W + 3.76"	TDmax = 3.08 x W + 9.54cm	+/- 90% H	50" to 600"	127 to 1524 cm
2.8-5.0:1 Zoom (103-121105-01)	TDmin = 3.03 x W + 3.43"	TDmin = 3.03 x W + 8.70cm	+/- 110% V	50" to 600"	127 to 1524 cm
	TDmax = 5.50 x W + 3.50"	TDmax = 5.50 x W + 8.88cm	+/- 90% H	50" to 600"	127 to 1524 cm
4.8-8.0:1 Zoom (103-122106-01)	TDmin = 5.21 x W + 15.66"	TDmin = 5.21 x W + 39.77cm	+/- 110% V	50" to 600"	127 to 1524 cm
	TDmax = 8.63 x W + 15.65"	TDmax = 8.63 x W + 39.75cm	+/- 90% H	50" to 600"	127 to 1524 cm

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.