

LHD700 Lens Throw Ratios Technical Reference Information

INTRODUCTION

The table on the following pages details the information required to calculate the Lens Throw Ratios for the LHD700 projectors.

LHD700 Lens Information

Lens	Throw Distance Formula		Vertical/Horizontal Offset (On Axis)	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
0.8:1 (103-140106-01)	TD = 0.80 x W + 3.63"	TD = 0.80 x W + 9.23cm	On Axis V	40" to 600"	100 to 1524 cm
			On Axis H		
1.30-1.80:1 Zoom (103-141107-01)	TDmin = 1.30 x W + 1.57"	TDmin = 1.30 x W + 3.99cm	+ 145% V	40" to 600"	100 to 1524 cm
	TDmax = 1.80 x W + 1.81"	TDmax = 1.80 x W + 4.61cm	+/- 25% H		
1.80-2.30:1 Zoom (103-142108-01)	TDmin = 1.80 x W + 0.38"	TDmin = 1.80 x W + 0.96cm	+ 145% V	40" to 600"	100 to 1524 cm
	TDmax = 2.30 x W + 0.81"	TDmax = 2.30 x W + 2.06cm	+/- 25% H		
2.30-4.20:1 Zoom (103-143109-01)	TDmin = 2.30 x W - 1.08"	TDmin = 2.30 x W - 2.74cm	+ 145% V	40" to 600"	100 to 1524 cm
	TDmax = 4.20 x W - 1.02"	TDmax = 4.20 x W - 1.08cm	+/- 25% H		
4.20-6.00:1 Zoom (38-809068-51)	TDmin = 4.20 x W + 10.59"	TDmin = 4.20 x W + 26.89cm	+ 145% V	40" to 400"	100 to 1016 cm
	TDmax = 6.00 x W + 9.76"	TDmax = 6.00 x W + 24.78cm	+/- 25% H		
5.70-9.00:1 Zoom (103-123107-01)	TDmin = 5.70 x W + 19.49"	TDmin = 5.70 x W + 49.51cm	+ 145% V	60" to 400"	150 to 1016 cm
	TDmax = 9.00 x W + 19.41"	TDmax = 9.00 x W + 49.31cm	+/- 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.