

LX650-LX700 Lens Throw Ratios Terchnical Reference Information

INTRODUCTION

The table on the following page details the information required to calculate the Lens Throw Ratios for the LX65-LX700 projectors.

LX650-LX700 LENS INFORMATION

Lens	Throw Distance Formula		Vertical Offset	Horizontal Offset	Diagonal Screen Size	
	Standard (Inches)	Metric (cm)			Standard (Inches)	Metric (cm)
0.8:1 Fixed (103-131106-01)	$TD = 0.8237 \times W + 2.36$	$TD = .8237 \times W + 6.0$	$\pm 0\% V$	$\pm 0\% H$	30 to 200	76.2 to 508
	No offset, vertical or horizontal, can be used without cutting into the image.					
1.3-1.8:1 Zoom (38-809047-51)	$TD_{min} = 1.29 \times W - 6.06$	$TD_{min} = 1.29 \times W - 15.4$	+ 100% V	+/- 23% H	30 to 400	76.2 to 1016
	$TD_{max} = 1.80 \times W - 1.62$	$TD_{max} = 1.80 \times W - 4.1$				
1.8-2.4:1 Zoom (38-809051-51)	$TD_{min} = 1.81 \times W - 1.45$	$TD_{min} = 1.81 \times W - 3.7$	+100% V	+/-23% H	30 to 400	76.2 to 1016
	$TD_{max} = 2.34 \times W - 2.17$	$TD_{max} = 2.34 \times W - 5.5$				
2.4-4.3:1 Zoom (38-809048-51)	$TD_{min} = 2.39 \times W - 6.08$	$TD_{min} = 2.39 \times W - 15.4$	+100% V	+/-23% H	30 to 400	76.2 to 1016
	$TD_{max} = 4.32 \times W - 10.6$	$TD_{max} = 4.32 \times W - 26.9$				
4.3-6.0:1 Zoom (38-809068-51)	$TD_{min} = 4.25 \times W - 9.08$	$TD_{min} = 4.25 \times W - 23.1$	+100% V	+/-23% H	30 to 400	76.2 to 1016
	$TD_{max} = 5.98 \times W - 8.19$	$TD_{max} = 5.98 \times W - 20.8$				
5.7-9.2:1 Zoom (103-123107-01)	$TD_{min} = 5.7 \times W + 17.68$	$TD_{min} = 5.7 \times W + 44.9$	+106% V	+/-20% H	30 to 400	76.2 to 1016
	$TD_{max} = 9.00 \times W + 17.60$	$TD_{max} = 9.0 \times W + 44.7$				

NOTE: *Throw Distance is measured from the front bezel of the projector.*