

# **LX380/LX450/LX500 Lens Throw Ratios Technical Reference Information**

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## **INTRODUCTION**

The table on the following page details the information required to calculate the Throw Ratios for the LX380, LX450 and LX500 projectors.

LX380/LX450/LX500 LENS INFORMATION						
Lens	Throw Distance Formula		Vertical Offset	Horizontal Offset	Diagonal Screen Size	
	Standard (Inches)	Metric (cm)			Standard (Inches)	Metric (cm)
<b>0.8:1 Fixed (103-109101-01)</b>	TDmin = 0.83 x W - 2.23"	TDmin = 0.83 x W - 5.7cm	± 0% V	± 0% H	45" to 121"	115 to 308 cm
	No offset, vertical or horizontal, can be used without cutting into the image.					
<b>1.2-1.6:1 Zoom (38-809056-51)</b>	TDmin = 1.26 x W - 2.07"	TDmin = 1.26 x W - 5.3cm	+ 100% V	± 33% H	30" to 157"	76.2 to 400 cm
	TDmax = 1.64 x W - 1.94"	TDmax = 1.64 x W - 4.9cm				
<b>1.6-2.1:1 Zoom (103-111101-01)*</b> *FOR LX380/LX450 MODELS ONLY	TDmin = 1.68 x W - 3.43"	TDmin = 1.68 x W - 8.7cm	+ 100% V	± 33% H	30" to 300"	76.2 to 762 cm
	TDmax = 2.15 x W - 1.70"	TDmax = 2.15 x W - 4.3cm				
<b>1.6-2.1:1 Zoom (103-112101-01)*</b> *FOR LX500 MODEL (Also compatible with LX380/LX450 Models)	TDmin = 1.68 x W - 3.43"	TDmin = 1.68 x W - 8.7cm	+ 100% V	± 33% H	30" to 300"	76.2 to 762 cm
	TDmax = 2.15 x W - 1.70"	TDmax = 2.15 x W - 4.3cm				
<b>2.1-3.4:1 Zoom (38-809057-51)</b>	TDmin = 2.19 x W - 3.44"	TDmin = 2.19 x W - 8.7cm	+ 100% V	± 33% H	30" to 300"	76.2 to 762 cm
	TDmax = 3.46 x W - 2.27"	TDmax = 3.46 x W - 5.8 cm				
<b>3.4-5.4:1 Zoom (103-110101-01)</b>	TDmin = 3.33 x W - 5.92"	TDmin = 3.33 x W - 15cm	+ 100% V	± 33% H	30" to 300"	76.2 to 762 cm
	TDmax = 5.31 x W - 6.92"	TDmax = 5.31 x W - 17.6 cm				

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