

# **L2K1500 Lens Throw Ratios Technical Reference Information**

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## **INTRODUCTION**

The table on the following pages details the information required to calculate the Lens Throw Ratios for the L2K1500 projectors.

### L2K1500 Lens Information

Lens	Throw Distance Formula		Vertical/Horizontal Offset (On Axis)	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
<b>0.8:1</b> (38-809043-52)	TD = 0.80 x W + 3.69"	TD = 0.80 x W + 9.38cm	On Axis V	40" to 600"	100 to 1524 cm
	>>Manual Focus		On Axis H		
<b>0.8:1</b> (103-135100-01)	TD = 0.80 x W + 3.69"	TD = 0.80 x W + 9.38cm	On Axis V	40" to 600"	100 to 1524 cm
	>>Manual Focus		On Axis H		
<b>1.2:1</b> (38-809036-52)	TD = 1.20 x W + 3.29"	TD = 1.20 x W + 8.36cm	+/- 140% V	40" to 600"	100 to 1524 cm
	>>Manual Focus		+/- 18% H		
<b>1.1-1.5:1 Zoom</b> (103-103101-01)	TDmin = 1.20 x W + 7.18"	TDmin = 1.20 x W + 18.23cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 1.60 x W + 8.09"	TDmax = 1.60 x W + 20.56cm	+/- 18% H		
<b>1.5-2.0:1 Zoom</b> (38-809094-51)	TDmin = 1.50 x W + 4.31"	TDmin = 1.50 x W + 10.96cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 2.00 x W + 4.39"	TDmax = 2.00 x W + 11.14cm	+/- 18% H		
<b>2.0-2.6:1 Zoom</b> (38-809039-52)	TDmin = 2.00 x W + 0.41"	TDmin = 2.00 x W + 1.05cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 2.60 x W - 0.63"	TDmax = 2.60 x W - 1.60cm	+/- 18% H		
<b>2.0-2.6:1 Zoom</b> (103-138103-01)	TDmin = 2.00 x W + 1.20"	TDmin = 2.00 x W + 3.05cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 2.60 x W + 1.02"	TDmax = 2.60 x W + 2.60cm	+/- 18% H		

**L2K1000 Lens Information**

Lens	Throw Distance Formula		Vertical/Horizontal Offset (On Axis)	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
<b>2.6-3.5:1 Zoom (38-809044-52)</b>	TDmin = 2.60 x W - 1.06"	TDmin = 2.60 x W - 2.70cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 3.50 x W - 0.54"	TDmax = 3.50 x W - 1.38cm	+/- 18% H		
<b>3.4-4.5:1 Zoom (103-139104-01)</b>	TDmin = 3.40 x W + 6.24"	TDmin = 3.40 x W + 15.84cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 4.50 x W + 7.60"	TDmax = 4.50 x W + 19.30cm	+/- 18% H		
<b>4.6-6.0:1 Zoom (38-809042-02)</b>	TDmin = 4.60 x W - 9.34"	TDmin = 4.60 x W - 23.72cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 6.00 x W + 14.76"	TDmax = 6.0 x W + 37.50cm	+/- 18% H		
<b>6.3-9.0:1 Zoom (38-809070-52)</b>	TDmin = 6.30 x W + 19.73"	TDmin = 6.30 x W + 50.12cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 9.00 x W + 27.41"	TDmax = 9.00 x W + 69.62cm	+/- 18% H		
>>Manual Focus and Zoom					

**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.