

L2K1000 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 L2K1000 projectors.

L2K1000 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 (38-809043-52)	TD = 0.80 x W + 1.33"	TD = 0.80 x W + 3.38cm	On Axis V	40" to 600"	100 to 1524 cm
	>>Manual Focus		On Axis H		
0.8:1 (103-135100-01)	TD = 0.8 x W + 1.33"	TD = 0.8 x W + 3.38cm	On Axis V	40" to 600"	100 to 1524 cm
	>>Manual Focus		On Axis H		
1.2:1 (38-809036-52)	TD = 1.20 x W + 0.93"	TD = 1.20 x W + 2.36cm	+/- 140% V	40" to 600"	100 to 1524 cm
	>>Manual Focus		+/- 18% H		
1.1-1.5:1 Zoom (103-103101-01)	TDmin = 1.20 x W + 4.81"	TDmin = 1.20 x W + 12.23cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 1.60 x W + 5.73"	TDmax = 1.60 x W + 14.56cm	+/- 18% H		
1.5-2.0:1 Zoom (38-809094-51)	TDmin = 1.50 x W + 1.95"	TDmin = 1.50 x W + 4.96cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 2.00 x W + 2.02"	TDmax = 2.00 x W + 5.14cm	+/- 18% H		
2.0-2.6:1 Zoom (38-809039-52)	TDmin = 2.00 x W - 1.99"	TDmin = 2.00 x W - 5.05cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 2.60 x W - 2.99"	TDmax = 2.60 x W - 7.60cm	+/- 18% H		
2.0-2.6:1 Zoom (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 - 1.81"	TDmax = 2.60 x W - 4.60cm	+/- 18% H		

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Lens	Throw Distance Formula		Vertical/Horizontal Offset (On Axis)	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
2.6-3.5:1 Zoom (38-809044-52)	TDmin = 2.60 x W - 3.42"	TDmin = 2.60 x W - 8.70cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 3.50 x W - 2.91"	TDmax = 3.50 x W - 7.38cm	+/- 18% H		
3.4-4.5:1 Zoom (103-139104-01)	TDmin = 3.40 x W + 3.87"	TDmin = 3.40 x W + 9.84cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 4.50 x W + 5.24"	TDmax = 4.50 x W + 13.30cm	+/- 18% H		
4.6-6.0:1 Zoom (38-809042-02)	TDmin = 4.60 x W - 7.76"	TDmin = 4.60 x W - 19.72cm	+/- 140% V	40" to 600"	100 to 1524 cm
	TDmax = 6.00 x W + 12.40"	TDmax = 6.0 x W + 31.50cm	+/- 18% H		
6.3-9.0:1 Zoom (38-809070-52)	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.