CHRISTIE

LX400 Lens Throw Ratios
Technical Reference Information

INTRODUCTION

The table on the following page details the information required to calculate the Lens Throw Ratios for the LX400 projectors.

LX400 Lens Information					
	Throw Distance Formula		Vertical/Horizontal Offset	Diagonal Screen Sizes	
Lens	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
0.8:1	TD = 0.80 x W - 0.78"	TD = 0.80 x W - 2.01cm	On Axis V	33.92" to 296.8"	86.0 to 754.0 cm
(121-100102-01)			On Axis H		
1.2-1.9:1 Zoom	TDmin = 1.20 x W - 1.12"	TDmin = 1.20 x W - 2.86cm	+115% V	33.92" to 296.8"	86.0 to 754.0 cm
(121-101103-01)	TDmax = 1.90 x W - 0.96"	TDmax = 1.90 x W - 2.45cm	+/- 25% H	33.92" to 296.8"	86.0 to 754.0 cm
1.5-1.8:1 Zoom	TDmin = 1.50 x W - 1.48"	TDmin = 1.50 x W - 3.80cm	+115% V	25.44" to 296.8"	65.0 to 754.0 cm
003-002490-01* **(Included)** ***Service Part Number**	TDmax = 1.80 x W - 1.75"	TDmax = 1.80 x W - 4.48cm	+/- 25% H	25.44" to 296.8"	65.0 to 754.0 cm
1.9-3.8:1 Zoom	TDmin = 1.90 x W - 2.27"	TDmin = 1.90 x W - 5.81cm	+115% V	33.92" to 296.8"	86.0 to 754.0 cm
(121-102104-01)	TDmax = 3.80 x W - 2.15"	TDmax = 3.80 x W - 5.52cm	+/- 25% H	33.92" to 296.8"	86.0 to 754.0 cm
3.9-7.3:1 Zoom	TDmin = 3.90 x W - 3.51"	TDmin = 3.90 x W - 9.01cm	+115% V	33.92" to 296.8"	86.0 to 754.0 cm
(121-103105-01)	TDmax = 7.30 x W - 3.44"	TDmax = 7.30 x W - 8.81cm	+/- 25% H	33.92" to 296.8"	86.0 to 754.0 cm

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 ± 10% tolerance for individual lens variation.* **4)** *Calculated offset values are subject to a ± 7% centering tolerance.*