

# **DHD700 Lens Throw Ratios Technical Reference Information**

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## **INTRODUCTION**

The table on the following page details the information required to calculate the Lens Throw Ratios for the DHD700 projectors.

### DHD700 Lens Information

Lens	Throw Distance Formula		Vertical/Horizontal Offset	Diagonal Screen Sizes	
	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
<b>0.8:1</b> <b>(103-117100-01)</b>	TD = 0.80 x W + 5.40"	TD = 0.80 x W + 13.69cm	On Axis V	50" to 200"	127 to 508 cm
			On Axis H		
<b>1.2-1.5:1 Zoom</b> <b>(103-118101-01)</b>	TDmin = 1.20 x W + 4.93"	TDmin = 1.20 x W + 12.51cm	+/- 110% V	50" to 600"	127 to 1524 cm
	TDmax = 1.50 x W + 5.14"	TDmax = 1.50 x W + 13.06cm	+/- 65% H	50" to 600"	127 to 1524 cm
<b>1.5-1.8:1 Zoom</b> <b>(103-119102-01)</b>	TDmin = 1.50 x W + 4.69"	TDmin = 1.50 x W + 11.92cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 1.80 x W + 4.86"	TDmax = 1.80 x W + 12.34cm	+/- 80% H	50" to 600"	127 to 1524 cm
<b>1.8-2.8:1 Zoom</b> <b>(103-120104-01)</b>	TDmin = 1.80 x W + 3.62"	TDmin = 1.80 x W + 9.20cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 2.80 x W + 3.75"	TDmax = 2.80 x W + 9.53cm	+/- 80% H	50" to 600"	127 to 1524 cm
<b>2.8-5.0:1 Zoom</b> <b>(103-121105-01)</b>	TDmin = 2.80 x W + 3.53"	TDmin = 2.80 x W + 8.96cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 5.00 x W + 3.49"	TDmax = 5.00 x W + 8.86cm	+/- 80% H	50" to 600"	127 to 1524 cm
<b>4.8-8.0:1 Zoom</b> <b>(103-122106-01)</b>	TDmin = 4.80 x W + 16.62"	TDmin = 4.80 x W + 42.22cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 8.00 x W + 14.72"	TDmax = 8.00 x W + 37.40cm	+/- 80% H	50" to 600"	127 to 1524 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.