

DHD800 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 DHD800 projectors.

DHD800 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 (103-117100-01)	TD = 0.80 x W + 5.40"	TD = 0.80 x W + 13.69cm		50" to 200"	127 to 508 cm
1.2-1.5:1 Zoom (103-118101-01)	TDmin = 1.20 x W + 4.93" TDmax = 1.50 x W + 5.14"	TDmin = 1.20 x W + 12.51cm TDmax = 1.50 x W + 13.06cm	+/- 110% V +/- 65% H	50" to 600" 50" to 600"	127 to 1524 cm 127 to 1524 cm
1.2-1.8:1 Zoom (103-118101-02)	TDmin = 1.20 x W + 4.93" TDmax = 1.80 x W + 4.86"	TDmin = 1.20 x W + 12.51cm TDmax = 1.80 x W + 12.34cm	+/- 130% V +/- 55% H	50" to 600" 50" to 600"	127 to 1524 cm 127 to 1524 cm
1.5-1.8:1 Zoom (103-119102-01)	TDmin = 1.50 x W + 4.69" TDmax = 1.80 x W + 4.86"	TDmin = 1.50 x W + 11.92cm TDmax = 1.80 x W + 12.34cm	+/- 130% V +/- 80% H	50" to 600" 50" to 600"	127 to 1524 cm 127 to 1524 cm
1.8-2.8:1 Zoom (103-120104-01)	TDmin = 1.80 x W + 3.62" TDmax = 2.80 x W + 3.75"	TDmin = 1.80 x W + 9.20cm TDmax = 2.80 x W + 9.53cm	+/- 130% V +/- 80% H	50" to 600" 50" to 600"	127 to 1524 cm 127 to 1524 cm
1.8-2.8:1 Zoom (103-120104-02)	TDmin = 1.80 x W + 3.62" TDmax = 2.80 x W + 3.75"	TDmin = 1.80 x W + 9.20cm TDmax = 2.80 x W + 9.53cm	+/- 130% V +/- 65% H	50" to 600" 50" to 600"	127 to 1524 cm 127 to 1524 cm
2.8-5.0:1 Zoom (103-121105-01)	TDmin = 2.80 x W + 3.53" TDmax = 5.00 x W + 3.49"	TDmin = 2.80 x W + 8.96cm TDmax = 5.00 x W + 8.86cm	+/- 130% V +/- 80% H	50" to 600" 50" to 600"	127 to 1524 cm 127 to 1524 cm
4.8-8.0:1 Zoom (103-122106-01)	TDmin = 4.80 x W + 16.62" TDmax = 8.00 x W + 14.72"	TDmin = 4.80 x W + 42.22cm TDmax = 8.00 x W + 37.40cm	+/- 130% V +/- 80% H	50" to 600" 50" to 600"	127 to 1524 cm 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.