Roadie HD+35K 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 Roadie HD+35K projectors.

ROADIE HD+35K LENS INFORMATION						
	Throw Distance Formula		Vertical Offset	Horizontal Offset	Max/Min Screen Size Width	
Lens	Standard (Inches)	Metric (m)			Standard (Inches)	Metric (m)
0.8:1 Fixed (113-104106-01)	TD = 0.803 x W + 19.74"	TD = 0.803 x W + .5020	± 45.70% V	± 14.73% H	63-154	1.6-3.9
1.0:1 (38-809071-51)	TD = 1.0277 x W + 19.90"	TD = 1.0277 x W + .5054	± 74% V	± 21% H	165-1800	4.19-45.72
1.25-1.45:1 Zoom (38-809073-61)	TDmin = 1.2563 x W + 18.92"	TDmin = 1.2563 x W + .4806	± 100% V	± 35% H	135-1800	3.43-45.72
	TDmax = 1.4637 x W - 0.51"	TDmax = 1.4637 x W - .0129	± 100% V	± 35% H		
1.45-1.8:1 Zoom (38-809074-61)	TDmin = 1.4492 x W + 15.98"	TDmin = 1.4492 x W + .4058	± 53% V	± 17% H	120-1800	3.05-45.75
	TDmax = 1.809 x W + 15.37"	TDmax = 1.809 x W + .3905	± 53% V	± 17% H		
1.8-2.4:1 Zoom (38-809075-61)	TDmin = 1.7984 x W + 15.79"	TDmin = 1.7984 x W + .4011	± 53% V	± 17% H	96-1800	2.44-45.75
	TDmax = 2.411 x W + 14.69"	TDmax = 2.411 x W + .3732	± 53% V	± 17% H		
2.2-3.0:1 Zoom (38-809076-61)	TDmin = 2.2408 x W + 12.51"	TDmin = 2.2408 x W + .3205	± 53% V	± 17% H	79-1800	2.01-45.75
	TDmax = 3.045 x W + 10.30"	TDmax = 3.045 x W + .2616	± 53% V	± 17% H		
3.0-4.3:1 Zoom (38-809077-61)	TDmin = 3.0537 x W + 9.72"	TDmin = 3.0537 x W + .2468	± 53% V	± 17% H	58-1800	1.48-45.75
	TDmax = 4.3497 x W + 8.72"	TDmax = 4.3497 x W + .2216	± 53% V	± 17% H		
4.3-6.0:1 Zoom (38-809072-61)	TDmin = 4.372 x W + 11.62"	TDmin = 4.372 x W + .2952	± 53% V	± 17% H	82-1800	2.09-45.75
	TDmax = 6.156 x W + 7.54"	TDmax = 6.156 x W + .1915	± 53% V	± 17% H		

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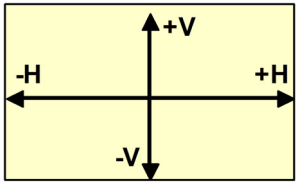
5.5-8.5:1 Zoom (38-809078-61)	TDmin = 5.5883 x W + 12.70"	TDmin = 5.5883 x W + .3226	± 100% V	± 35% H	64-1800	1.63-45.75
	TDmax = 8.7115 x W + 9.20"	TDmax = 8.7115 x W + .2337	± 100% V	± 35% H		



NOTES: 1) *Throw distance measured from the front feet of the projector. All lenses are made of glass.* **2)** *Calculated throw distance (TD) values are subject to a +/- 5% tolerance for individual lens variations.* **3)** *Stated offset values are subject to a +/- 10% centering tolerance.*