

VIVID White/Matrix 3500/L8/LX100-120-1500 Lens Throw Ratios Technical Reference Information

INTRODUCTION

The tables on the following pages detail the information required to calculate the Lens Throw Ratios for the VIVID White/Matrix 3500/L8/LX100-120-1500 projectors.

VIVID White/Matrix 3500/L8/LX100/LX120/LX1500 Lens Throw Distance Formulas

CT HD LENS	THROW DISTANCE FORMULA		VERTICAL/HORIZONTAL	MAX/MIN SCREEN WIDTH SIZES	
	STANDARD (INCHES)	METRIC (CM)	OFFSET	STANDARD (INCHES)	METRIC (CM)
0.8:1 (38-809043-02)	TD = 0.829 x W - 2.582"	TD = 0.829 x W - 6.558cm	On Axis V On Axis H	40" - 600.0"	100 - 1524cm
1.2:1 (38-809036-02)	TD = 1.239 x W - 3.651"	TD = 1.239 x W - 9.274cm	+100% / -100% V +25% / -25% H	40" - 600.0"	100 - 1524cm
1.1-1.5:1 Zoom (103-103101-01)	TDmin = 1.25 x W + 1.26" TDmax = 1.53 x W + 0.09"	TDmin = 1.25 x W + 3.22cm TDmax = 1.53 x W + 0.22cm	+100% / -100% V +20% / -20% H	40" - 600.0"	100 - 1524cm
1.35-1.8:1 Zoom (38-809037-02)	TDmin = 1.447 x W - 3.682" TDmax = 1.902 x W - 3.574"	TDmin = 1.447 x W - 9.352cm TDmax = 1.902 x W - 9.078cm	+100% / -100% V +25% / -25% H	40" - 600.0"	100 - 1524cm
1.5-2.0:1 Zoom (38-809094-01)	TDmin = 1.564 x W + 0.902" TDmax = 2.047 x W + 1.273"	TDmin = 1.564 x W + 2.290cm TDmax = 2.047 x W + 3.234cm	+100% / -100% V +19% / -19% H	40" - 600.0"	100 - 1524cm
1.8-2.9:1 Zoom (Discontinued)	TDmin = 1.860 x W - 3.389" TDmax = 3.046 x W - 3.233"	TDmin = 1.860 x W - 8.608cm TDmax = 3.046 x W - 8.212cm	+100% / -100% V +20% / -20% H	40" - 600.0"	100 - 1524cm
2.0-2.6:1 Zoom (38-809039-02)	TDmin = 2.147 x W - 8.256" TDmax = 2.794 x W - 8.684"	TDmin = 2.147 x W - 20.970cm TDmax = 2.794 x W - 22.057cm	+100% / -100% V +20% / -20% H	40" - 600.0"	100 - 1524cm
2.6-3.5:1 Zoom (38-809044-02)	TDmin = 2.670 x W - 7.642" TDmax = 3.555 x W - 7.015"	TDmin = 2.670 x W - 19.411cm TDmax = 3.555 x W - 17.818cm	+105% / -105% V +20% / -20% H	40" - 600.0"	100 - 1524cm
3.5-4.6:1 Zoom (103-129103-01)	TDmin = 3.466 x W + 3.619" TDmax = 4.540 x W + 3.221"	TDmin = 3.466 x W + 9.192cm TDmax = 4.540 x W + 8.181cm	+95% / -110% V +20% / -20% H	40" - 600.0"	100 - 1524cm
4.6-6.0:1 Zoom (103-130105-01)	TDmin = 4.404 x W + 7.326" TDmax = 6.230 x W + 7.204"	TDmin = 4.404 x W + 18.608cm TDmax = 6.230 x W + 18.298cm	+90% / -120% V +30% / -15% H	40" - 600.0"	100 - 1524cm
6.3-9.0:1 Zoom (38-809070-01)	TDmin = 6.13 x W + 11.2" TDmax = 9.0 x W + 11.7"	TDmin = 6.13 x W + 28.4cm TDmax = 9.0 x W + 29.7cm	+90% / -100% V +15% / -15% H	40" - 600.0"	100 - 1524cm
7.0:1 Zoom (38-809041-02)	TD = 7.070 x W - 3.093"	TD = 7.070 x W - 7.856cm	+89% / -89% V +30% / -15% H	40" - 600.0"	100 - 1524cm

Throw distance measured from the centre of the front foot of the projector. / * All lenses are made of glass *