

Christie DWU700/850-GS Lens Throw Ratios

The table on the following pages detail the information required to calculate the lens throw ratios for the Christie DWU700/850-GS projector.

| Lens | Throw distance formula | | Vertical/ horizontal offset (%) | Diagonal screen sizes | |
|---|---------------------------|---------------------------|---------------------------------------|-----------------------|-------------|
| | Imperial (in) | Metric (cm) | | Imperial (in) | Metric (cm) |
| 0.36 (120in) ultra short throw (140-133108-XX) | TDmin = 0.340 x W + 3.297 | TDmin = 0.340 x W + 8.375 | Fixed | 120 to 350 | 305 to 889 |
| 0.65-0.75:1 zoom (140-143109-XX) | TDmin = 0.669 x W + 4.17 | TDmin = 0.669 x W + 10.58 | +/- 100% V | 50 to 300 | 127 to 762 |
| | TDmax = 0.773 x W + 3.94 | TDmax = 0.773 x W + 10 | +/- 30% H | | |
| 0.75-0.95:1 zoom (140-119102-XX) | TDmin = 0.761 x W + 3.52 | TDmin = 0.761 x W + 8.93 | +/- 100% V | 50 to 300 | 127 to 762 |
| | TDmax = 0.966 x W + 3.50 | TDmax = 0.966 x W + 8.88 | +/- 30% H | | |
| 0.95-1.22:1 zoom (140-101103-XX) | TDmin = 0.966 x W + 3.14 | TDmin = 0.966 x W + 7.97 | +/- 100% V | 50 to 300 | 127 to 762 |
| | TDmax = 1.240 x W + 3.20 | TDmax = 1.240 x W + 8.13 | +/- 30% H | | |
| 1.22-1.52:1 zoom (140-131106-XX) | TDmin = 1.236 x W + 3.45 | TDmin = 1.236 x W + 8.76 | +/- 100% V | 50 to 300 | 127 to 762 |
| | TDmax = 1.543 x W + 3.50 | TDmax = 1.543 x W + 8.89 | +/- 30% H | | |
| 1.52-2.92:1 zoom (140-102104-XX) | TDmin = 1.546 x W + 2.75 | TDmin = 1.546 x W + 6.99 | +/- 100% V | 50 to 300 | 127 to 762 |
| | TDmax = 2.948 x W + 3.05 | TDmax = 2.948 x W + 7.75 | +/- 30% H | | |

| Lens | Throw distance formula | | Vertical/ horizontal offset (%) | Diagonal screen sizes | |
|-------------------------------------|---------------------------|---------------------------|---------------------------------------|-----------------------|-------------|
| | Imperial (in) | Metric (cm) | | Imperial (in) | Metric (cm) |
| 2.90-5.50:1 zoom (140-107109-XX) | TDmin = 2.822 x W + 11.44 | TDmin = 2.822 x W + 29.07 | +/- 100% V | 50 to 300 | 127 to 762 |
| | TDmax = 5.362 x W + 10.70 | TDmax = 5.362 x W + 27.18 | +/- 30% H | | |

- Throw distance measured from the center of the front foot of the projector.
- All lenses are made of glass.
- Calculated throw distance (TD) values are subject to a +/- 5% tolerance for individual lens variation.
- Calculated offset values are subject to a +/- 7% centering tolerance.