

Christie LW651i lens throw ratios

The following table details the information required to calculate the lens throw ratios for the Christie LW651i projectors.

| Lens | Throw distance formula | | Vertical and horizontal Offset (%) | Diagonal screen sizes | |
|---|--------------------------|--------------------------|------------------------------------|-----------------------|-------------|
| | Imperial (in) | Metric (cm) | | Imperial (in) | Metric (cm) |
| 1.0:1/0.81:1 fixed (121-111104-XX) | TD = 0.81 x W + 3.13 | TDmin = 0.81 x W + 7.94 | +19% /- 19% V | 30 to 600 | 76 to 1524 |
| | | | +12% /- 13% H | | |
| 1.5-2.2/1.2-1.81 short zoom (121-129103-XX) | TDmin = 1.19 x W + 2.91 | TDmin = 1.19 x W + 7.38 | +122% /- 41% V | 30 to 600 | 76 to 1524 |
| | TDmax = 1.80 x W + 2.85 | TDmax = 1.80 x W + 7.25 | +20% /- 22% H | | |
| 1.7-3.0/1.75-2.98 medium zoom (121-130105-XX) | TDmin = 1.74 x W + 3.36 | TDmin = 1.74 x W + 8.54 | +127% /- 42% V | 30 to 600 | 76 to 1524 |
| | TDmax = 3.00 x W + 3.17 | TDmax = 3.00 x W + 8.05 | +20% /- 21% H | | |
| 3.6-6.1/2.88-4.93 long zoom (121-114107-XX) | TDmin = 2.88 x W + 2.06 | TDmin = 2.88 x W + 5.23 | +122% /- 42% V | 30 to 600 | 76 to 1524 |
| | TDmax = 4.93 x W - 0.74 | TDmax = 4.93 x W - 1.87 | +20% /- 22% H | | |
| 6.0-10.3/4.78-8.22 ultra long zoom (121-115108-XX) | TDmin = 4.77 x W + 12.04 | TDmin = 4.77 x W + 30.57 | +122% /- 42% V | 30 to 600 | 76 to 1524 |
| | TDmax = 8.21 x W + 10.30 | TDmax = 8.21 x W + 26.15 | +/- 21% 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.