

Resolution: XGA (1024x768)  
 Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)  
 True Aperture: 1.048 in. wide

## Screen Dimensions.

|    |     |     |     |     |     |      |
|----|-----|-----|-----|-----|-----|------|
| H' | 6   | 7.5 | 9   | 12  | 15  | 20   |
| W' | 8   | 10  | 12  | 16  | 20  | 26.7 |
| D" | 120 | 150 | 180 | 240 | 300 | 400  |

| EIKI Part No.                                                         | Ref. | T/W  | Diagonal | Shift/Limits                         | Auxiliary Lenses                      | Xtend            | EFL   | Throw (Distance to Screen) in ft. |      |      |      |      |      |  |  |
|-----------------------------------------------------------------------|------|------|----------|--------------------------------------|---------------------------------------|------------------|-------|-----------------------------------|------|------|------|------|------|--|--|
| 0001-4316                                                             | 2125 | 0.79 | ∞        | V: 1:1 (on axis)<br>H: 1:1 (on axis) | 0.826" Manual, Fixed<br>(21 mm) f:2.5 | 3.5"<br>89 mm    | 0.826 | 6.3                               | 7.9  | 9.5  | 12.6 | 15.8 | 21.0 |  |  |
| AH-32011*                                                             | W32  | 0.84 | 80~120"  | 1:1 (on axis)<br>H: 1:1 (on axis)    | 0.88" Manual, Fixed<br>(22.3mm) f:2.5 | 2.66"<br>67.5 mm | 0.88  | 6.7                               | -    | -    | -    | -    | -    |  |  |
| 0001-4317                                                             | 1028 | 0.95 | ∞        | V: 1:1 (on axis)<br>H: 1:1 (on axis) | 1.0" Manual, Fixed<br>(25.4 mm) f:2.8 | 3.0"<br>76 mm    | 1     | 7.6                               | 9.5  | 11.5 | 15.3 | 19.1 | 25.4 |  |  |
| 0001-4319                                                             | 012  | 1.15 | ∞        | V: 1:1 (on axis)<br>H: 1:1 (on axis) | 1.2" Manual, Fixed<br>(30.5mm) f:2.8  | 2.0"<br>51 mm    | 1.2   | 9.2                               | 11.5 | 13.7 | 18.3 | 22.9 | 30.5 |  |  |
| 0001-4318                                                             | 1218 | 1.22 | ∞        | V: 8:1~1:1                           | 1.28"~1.8" Manual, Zoom               | 5.5"             | 1.28  | 9.8                               | 12.2 | 14.7 | 19.5 | 24.4 | 32.6 |  |  |
|                                                                       |      | 1.72 | ∞        | H: TBA                               | (32.5~45.7 mm) f:2.5                  | 140 mm           | 1.80  | 13.7                              | 17.2 | 20.6 | 27.5 | 34.4 | 45.8 |  |  |
| AH-23122*                                                             | W31A | 1.29 | 40~400"  | V: 10:0~1:1                          | 1.35"~1.90" Power, Zoom               | 3.76"            | 1.35  | 10.3                              | 12.9 | 15.5 | 20.6 | 25.8 | 34.4 |  |  |
|                                                                       |      | 1.81 | 40~400"  | H: TBA                               | (34.3~48.2 mm) f:2.5~3.0              | 95.5 mm          | 1.90  | 14.5                              | 18.1 | 21.8 | 29   | 36.3 | 48.4 |  |  |
| 645 047 2770<br>(AH-23081) **                                         | S31  | 1.81 | 40~400"  | V: 10:0~1:1                          | 1.90"~2.47" Power, Zoom               | 3.45"            | 1.90  | 14.5                              | 18.1 | 21.7 | 29   | 36.2 | 48.3 |  |  |
|                                                                       |      | 2.35 | 40~300"  | H: 3:2~2:3                           | (48.2~62.6 mm) f:1.7~2.0              | 87.5 mm          | 2.46  | 18.8                              | 23.5 | 28.2 | 37.6 | 47.0 | -    |  |  |
| AH-23132*                                                             | T31A | 2.39 | 40~400"  | V: 10:0~1:1                          | 2.50"~4.39" Power, Zoom               | 1.89"            | 2.5   | 19.1                              | 23.9 | 28.6 | 38.2 | 47.7 | 63.6 |  |  |
|                                                                       |      | 4.19 | 40~200"  | H: TBA                               | (63.5~111.5 mm) f:2.0~2.9             | 48 mm            | 4.39  | 33.5                              | 41.9 | 50.3 | -    | -    | -    |  |  |
| 0001-4320                                                             | 500  | 2.62 | Min: ∞   | V: 10:0~1:1                          | 2.75"~5.0" Manual, Zoom               | 5.0"             | 2.75  | 21                                | 26.2 | 31.5 | 42   | 52.5 | 70   |  |  |
|                                                                       |      | 4.77 | Max: ∞   | H: TBA                               | (70~125 mm) f:2.8                     | 127 mm           | 5.00  | 38.2                              | 47.7 | 57.3 | 76.3 | 95   | 127  |  |  |
| AH-24241*                                                             | T32  | 4.21 | 40~400"  | V: 10:0~1:1                          | 4.41"~6.10" Power, Zoom               | 3.37"            | 4.41  | 33.7                              | 42.1 | 50.5 | 67.3 | 84.1 | 112  |  |  |
|                                                                       |      | 5.82 | 40~250"  | H: TBA                               | (112~155 mm) f:2.1~2.7                | 85.5 mm          | 6.10  | 46.6                              | 58.2 | 69.9 | 93.2 | -    | -    |  |  |
| 0001-4321                                                             | 087  | 4.96 | ∞        | V: 10:0~1:1                          | 5.2"~8.7" Manual, Zoom                | 8.0"             | 5.20  | 39.7                              | 49.6 | 59.5 | 79.4 | 99.2 | 132  |  |  |
|                                                                       |      | 8.30 | ∞        | H: TBA                               | (132~220 mm) f:3.0                    | 203.00           | 8.70  | 66.4                              | 83   | 99.6 | 133  | 166  | 221  |  |  |
| 0001-4322                                                             | 900  | 5.73 | ∞        | V: 10:0~1:1                          | 6.0"~9.0" Manual, Zoom                | 5.0"             | 6     | 45.8                              | 57.3 | 68.7 | 91.6 | 115  | 153  |  |  |
|                                                                       |      | 8.59 | ∞        | H: TBA                               | (150~230 mm) f:3.5                    | 127 mm           | 9     | 68.7                              | 85.9 | 103  | 137  | 172  | 229  |  |  |
| Image Height for 16:9: width stays the same as 4:3 (ignore Diagonal). |      |      |          |                                      |                                       |                  | H'    | 4.5                               | 5.6  | 6.8  | 9.0  | 11.3 | 15.0 |  |  |

## Notes:

\* "AH" lenses require lens adapter 610 324 4402 (formerly 610 306 6707) and one is included with the projector.  
 ("0001" lenses have an integrated adapter.)

\*\* A standard lens is not included. The 645 047 2770 (AH-23081) is the standard lens (same as used on the LC-X1000/1100/50M/70).  
 (The 645 043 7144 (AH-23061) lens used on the LC-X985/986/50/60/71 & LC-W3 can be used, but is not as bright.)

**How to use the T/W column.** If your screen size does not appear on this chart, use the T/W column to find the lens you need.  
 Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers it.

**Understanding Shift/Limits.** The numbers in the Shift/Limits column express the projector positions possible as a ratio of the image heights  
 Above:Below a line drawn perpendicular to the screen between the lens and the screen. 1:1 = center of the image. 10:0 = top of the image.

**These charts are a simulation.** Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations..  
 Calculations are from the front glass of the lens and accurate to approximately +/- 3.%. Specifications are subject to change without notice.

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