

**Projector Specifications**

Resolution: 1080p (1920x1080)  
 Aspect Ratio: (9 High by 16 Wide by 18.333 Diagonal)  
 Maximum Image Size: 43.6' W x 24.5' H (600"D)

**Screen Dimensions.**

|    |      |      |     |     |      |     |       |      |      |      |      |
|----|------|------|-----|-----|------|-----|-------|------|------|------|------|
| H' | 2    | 4.1  | 5.6 | 6.8 | 8.2  | 9   | 10.2  | 12.3 | 14.1 | 20.4 | 24.5 |
| W' | 3.64 | 7.27 | 10  | 12  | 14.5 | 16  | 18.18 | 21.8 | 25.0 | 36.3 | 43.6 |
| D" | 50   | 100  | 138 | 166 | 200  | 220 | 250   | 300  | 344  | 500  | 600  |

| Factory Specifications |  |          |                             |                                  | Description  | Measurements and Calculations |                   |      |                                   |      |      |      |      |      |      |       |       |       |       |  |  |
|------------------------|--|----------|-----------------------------|----------------------------------|--|-------------------------------|-------------------|------|-----------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|--|--|
| EIKI Part No.          | Ref.   | Diagonal | Shift Range                 | Shift Ratio                      | Auxiliary Lenses                                     | Xtend                         | Wt                | T/W  | Throw (Distance to Screen) in ft. |      |      |      |      |      |      |       |       |       |       |  |  |
| AH-32013               | W34  | 50~200"  | V: 0%<br>H: 0%              | V: 1:1 on axis<br>H: 1:1 on axis | 0.88" Manual, Fixed<br>(22.33 mm) f:2.3              |                               | 3.7 lb<br>1.7 kg  | 0.84 | 3.1                               | 6.1  | 8.4  | 10.1 | 12.2 | 13.4 | 15.3 | 18.3  | -     | -     | -     |  |  |
| 0001-4316              | 2125   | infinity |                             | V: 1:1 on axis<br>H: 1:1 on axis | 0.826" Manual, Fixed<br>(21 mm) f:2.5                | 3.5"<br>89mm                  | 4.0 lb<br>1.81 kg | 0.79 | 2.9                               | 5.8  | 7.9  | 9.5  | 11.5 | 12.7 | 14.4 | 17.3  | 19.8  | 28.8  | 34.6  |  |  |
| AH-23123               | W33  | 50~600"  | V: +/-55%<br>H: +/- 25%     | V: 10:0~1:1<br>H: 3:2~2:3        | 1.35~1.89" Power, Zoom<br>(34.3~48.0 mm) f:2.1~2.7   |                               | 4.0 lb<br>1.81 kg | 1.30 | 4.7                               | 9.4  | 13.0 | 15.6 | 18.8 | 20.8 | 23.6 | 28.3  | 32.5  | 47.1  | 56.6  |  |  |
| AH-23082               | S32  | 50~600"  | V: +/-55%                   | V: 10:0~1:1                      | 1.89~2.46" Power, Zoom                               |                               | 3.7 lb            | 1.80 | 6.6                               | 13.1 | 18.0 | 21.7 | 26.2 | 28.9 | 32.8 | 39.3  | 45.1  | 65.5  | 78.7  |  |  |
| Standard lens          |  | 50~600"  | H: +/- 25%                  | H: 3:2~2:3                       | (48.2~62.6 mm) f:1.7~2.1                             |                               | 1.7 kg            | 2.35 | 8.5                               | 17.1 | 23.5 | 28.2 | 34.1 | 37.6 | 42.7 | 51.2  | 58.7  | 85    | 102   |  |  |
| 0001-4320              | 500  | infinity |                             | V: 10:1~1:1<br>H:TBA             | 2.75"~5.0" Manual, Zoom<br>(32.5~45.7 mm) f:2.5      | 5.0"<br>127mm                 | 4.0 lb<br>1.81 kg | 2.60 | 9.4                               | 18.9 | 26.0 | 31.2 | 37.7 | 41.6 | 47.2 | 56.6  | 64.9  | 94.3  | 113.2 |  |  |
| AH-23133               | T34  | 50~600"  | V: +/-67.7%<br>H: +/- 41.6% | V: 10:0~1:1<br>H: 3:2~2:3        | 2.49"~4.38" Power, Zoom<br>(63.5~111.5 mm) f:2.0~2.9 |                               | 4.2 lb<br>1.9 kg  | 2.38 | 8.6                               | 17.3 | 23.8 | 28.5 | 34.5 | 38   | 43.2 | 51.8  | 59.4  | 86    | 104   |  |  |
| 0001-4321              | 87.00  | infinity |                             | V: 10:1~1:1<br>H:TBA             | 5.3"~8.7" Manual, Zoom<br>(32.5~45.7 mm) f:2.5       | 8.0"<br>203mm                 | 8.0 lb<br>3.63 kg | 5.07 | 18.4                              | 36.9 | 50.7 | 60.8 | 73.5 | 81.1 | 92.2 | 110.5 | 126.8 | 184.1 | 221.1 |  |  |
| AH-24241               | T32  | 50~600"  | V: +/-67.7%<br>H: +/- 41.6% | V: 10:0~1:1<br>H: 3:2~2:3        | 4.40"~6.10" Power, Zoom<br>(112~155 mm) f:2.3~3.2    | 6.0 in<br>153 mm              | 3.7 lb<br>1.7 kg  | 4.20 | 15.3                              | 30.5 | 42   | 50.4 | 60.9 | 67.2 | 76.4 | 92    | 105   | 153   | 183   |  |  |
| 610 331 7601           | Quick Change Lens Mount Bracket needed for mounting optional lenses. |          |                             |                                  |  |                               |                   |      |                                   |      |      |      |      |      |      |       |       |       |       |  |  |

**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 Ratio.** The numbers in the Shift Ratio 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.

**Legend.** Ref = abbreviated factory part numbers. Xtend = distance lens protrudes from cabinet