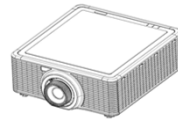


LENSES FOR EK-820U

Resolution: WUXGA (1920x1200)
Aspect Ratio: (16 : 10)



Screen Dimensions.

| | | | | | | | | | |
|-----------|-----|-----|-----|------|------|------|-------|------|------|
| H' | 2.2 | 4.4 | 5.0 | 6.2 | 7.5 | 8.8 | 10.0 | 11.3 | 13.3 |
| W' | 3.5 | 7.1 | 8.0 | 10.0 | 12.0 | 14.2 | 16.0 | 18.0 | 21.2 |
| D" | 50 | 100 | 113 | 141 | 170 | 200 | 226.4 | 255 | 300 |

| Factory Specifications - Standard Lens | | | | Measurements and Calculations | | | | | | | | | |
|----------------------------------------|------|-----------------------|--------------------------|-------------------------------|-------------------------------------|------|------|------|------|------|------|------|------|
| EIKI Part No. | Ref. | Diagonal | Shift Range | T/W | Throw (Distance to Screen) in feet. | | | | | | | | |
| AH-A22050 | A06 | Min: 50" Max: 300" | V: +/- 50% H: +/- 15% | 1.22 | 4.3 | 8.6 | 9.7 | 12.2 | 14.6 | 17.2 | 19.5 | 21.9 | 25.8 |
| | | | | 1.53 | 5.4 | 10.8 | 12.2 | 15.3 | 18.4 | 21.6 | 24.5 | 27.5 | 32.4 |

| Factory Specifications - Auxiliary Lenses | | | | Measurements and Calculations | | | | | | | | | | |
|-------------------------------------------|------|-----------------------|-------------|-------------------------------|-------------------------------------|--|--|-----|-----|-----|-----|-----|-----|-----|
| EIKI Part No. | Ref. | Diagonal | Shift Range | T/W | Throw (Distance to Screen) in feet. | | | | | | | | | |
| AH-A25010* | A16 | Min: 50" Max: 300" | | Advanced Installation | 0.36 | | | 2.9 | 3.6 | 4.4 | 5.2 | 5.8 | 6.6 | 7.7 |
| | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|------------|-----|-----------------------|--------------------------|------|-----|-----|-----|-----|------|------|------|------|------|
| AH-A22010A | A15 | Min: 50" Max: 300" | V: +/- 50% H: +/- 15% | 0.75 | 2.7 | 5.3 | 6.0 | 7.5 | 9.0 | 10.7 | 12.1 | 13.6 | 16.0 |
| | | | | 0.95 | 3.4 | 6.7 | 7.6 | 9.5 | 11.4 | 13.4 | 15.2 | 17.0 | 20.1 |

| | | | | | | | | | | | | | |
|-----------|-----|-----------------------|--------------------------|------|-----|-----|-----|------|------|------|------|------|------|
| AH-A22020 | A01 | Min: 50" Max: 300" | V: +/- 50% H: +/- 15% | 0.95 | 3.4 | 6.7 | 7.6 | 9.5 | 11.4 | 13.4 | 15.2 | 17.0 | 20.1 |
| | | | | 1.22 | 4.3 | 8.6 | 9.7 | 12.2 | 14.6 | 17.2 | 19.5 | 21.9 | 25.8 |

| | | | | | | | | | | | | | |
|-----------|-----|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|
| AH-A21010 | A03 | Min: 50" Max: 300" | V: +/- 50% H: +/- 15% | 1.52 | 5.4 | 10.8 | 12.2 | 15.2 | 18.3 | 21.5 | 24.3 | 27.4 | 32.2 |
| | | | | 2.92 | 10.3 | 20.7 | 23.4 | 29.2 | 35.1 | 41.4 | 46.8 | 52.6 | 62.0 |

| | | | | | | | | | | | | | |
|-----------|-----|-----------------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|
| AH-A23010 | A13 | Min: 50" Max: 300" | V: +/- 50% H: +/- 15% | 2.90 | 10.3 | 20.6 | 23.2 | 29.0 | 34.8 | 41.1 | 46.5 | 52.3 | 61.5 |
| | | | | 5.50 | 19.5 | 38.9 | 44.0 | 55.0 | 66.0 | 77.8 | 88.0 | 99.0 | 116.6 |

| | | | | | | | | | | | | | |
|-----------|-----|------------------|--------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 0001-5045 | 500 | Min: ∞ Max: ∞ | V: +/- 50% H: +/- 15% | 4.85 | 17.2 | 34.3 | 38.8 | 48.5 | 58.2 | 68.6 | 77.6 | 87.3 | 102.8 |
| | | | | 8.66 | 30.6 | 61.3 | 69.3 | 86.6 | 103.9 | 122.5 | 138.5 | 155.8 | 183.5 |

| | | | | | | | | | | | | | |
|-----------|-----|------------------|--------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0001-5046 | 087 | Min: ∞ Max: ∞ | V: +/- 50% H: +/- 15% | 9.15 | 32.4 | 64.8 | 73.2 | 91.5 | 109.9 | 129.5 | 146.5 | 164.8 | 194.1 |
| | | | | 15.24 | 53.9 | 107.9 | 121.9 | 152.4 | 182.8 | 215.6 | 243.8 | 274.2 | 144 |

How to use the Throw Ratio (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.

* Please call Eiki Support before ordering this lens Tel. 800/242-3454 option 4

These tables are a simulation. They are the result of averaging and rounding. Lens performance is actually not linear, and non-mathematical: variations in behavior do occur.

Calculations are from the front glass of the lens and accurate to approximately +/- 3%. Specifications are subject to change without notice.