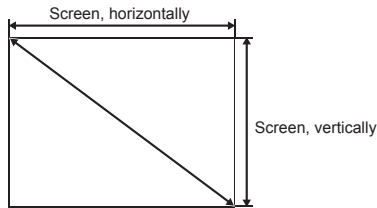
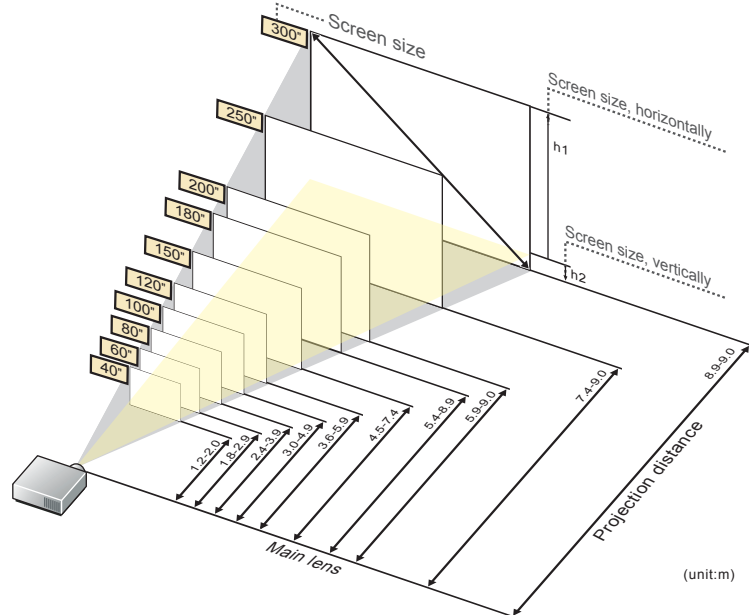


This is the throw distance ratio when the screen size is 100. Since design values are used, there will be some disparity.

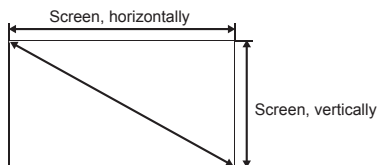


[For the 4:3 ratio]

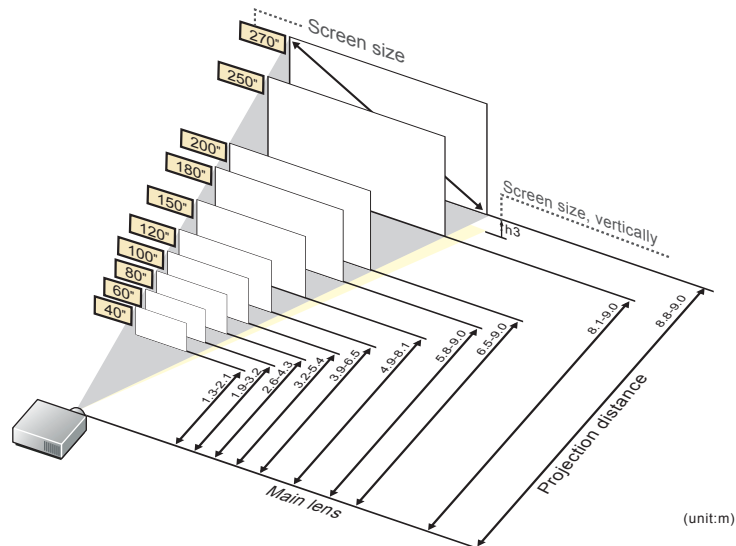


#### 4:3

| Screen size                               | inch |         |         |         | 40"     | 50"     | 60"     | 70"     | 80"     | 90"     | 100"    |
|-------------------------------------------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Screen size, horizontally                 | m    |         |         |         | 0.8     | 1.0     | 1.2     | 1.4     | 1.6     | 1.8     | 2.0     |
| Screen size, vertically                   | m    |         |         |         | 0.6     | 0.8     | 0.9     | 1.1     | 1.2     | 1.4     | 1.5     |
| Projection distance (Shortest to longest) | m    |         |         |         | 1.2-2.0 | 1.5-2.5 | 1.8-2.9 | 2.1-3.4 | 2.4-3.9 | 2.7-4.4 | 3.0-4.9 |
| h1                                        | cm   |         |         |         | 55      | 69      | 82      | 96      | 110     | 123     | 137     |
| h2                                        | cm   |         |         |         | 6       | 8       | 9       | 11      | 12      | 14      | 15      |
| Screen size                               | inch | 110"    | 120"    | 130"    | 140"    | 150"    | 160"    | 170"    | 180"    | 190"    | 200"    |
| Screen size, horizontally                 | m    | 2.2     | 2.4     | 2.6     | 2.8     | 3.0     | 3.3     | 3.5     | 3.7     | 3.9     | 4.1     |
| Screen size, vertically                   | m    | 1.7     | 1.8     | 2.0     | 2.1     | 2.3     | 2.4     | 2.6     | 2.7     | 2.9     | 3.0     |
| Projection distance (Shortest to longest) | m    | 3.3-5.4 | 3.6-5.9 | 3.9-6.4 | 4.2-6.9 | 4.5-7.4 | 4.8-7.9 | 5.1-8.4 | 5.4-8.9 | 5.6-9.0 | 5.9-9.0 |
| h1                                        | cm   | 151     | 165     | 178     | 192     | 206     | 219     | 233     | 247     | 261     | 274     |
| h2                                        | cm   | 17      | 18      | 20      | 21      | 23      | 24      | 26      | 27      | 29      | 30      |
| Screen size                               | inch | 210"    | 220"    | 230"    | 240"    | 250"    | 260"    | 270"    | 280"    | 290"    | 300"    |
| Screen size, horizontally                 | m    | 4.3     | 4.5     | 4.7     | 4.9     | 5.1     | 5.3     | 5.5     | 5.7     | 5.9     | 6.1     |
| Screen size, vertically                   | m    | 3.2     | 3.4     | 3.5     | 3.7     | 3.8     | 4.0     | 4.1     | 4.3     | 4.4     | 4.6     |
| Projection distance (Shortest to longest) | m    | 6.2-9.0 | 6.5-9.0 | 6.8-9.0 | 7.1-9.0 | 7.4-9.0 | 7.7-9.0 | 8.0-9.0 | 8.3-9.0 | 8.6-9.0 | 8.9-9.0 |
| h1                                        | cm   | 288     | 302     | 315     | 329     | 343     | 357     | 370     | 384     | 398     | 411     |
| h2                                        | cm   | 32      | 34      | 35      | 37      | 38      | 40      | 41      | 43      | 44      | 46      |



[For the 16:9 ratio]



#### 16:9

| Screen size                               | inch |         |         |         | 40"     | 50"     | 60"     | 70"     | 80"     | 90"     | 100"    |
|-------------------------------------------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Screen size, horizontally                 | m    |         |         |         | 0.9     | 1.1     | 1.3     | 1.5     | 1.8     | 2.0     | 2.2     |
| Screen size, vertically                   | m    |         |         |         | 0.5     | 0.6     | 0.7     | 0.9     | 1.0     | 1.1     | 1.2     |
| Projection distance (Shortest to longest) | m    |         |         |         | 1.3-2.1 | 1.6-2.7 | 1.9-3.2 | 2.2-3.8 | 2.6-4.3 | 2.9-4.8 | 3.2-5.4 |
| h3                                        | cm   |         |         |         | 2       | 2       | 2       | 3       | 3       | 4       | 4       |
| Screen size                               | inch | 110"    | 120"    | 130"    | 140"    | 150"    | 160"    | 170"    | 180"    | 190"    | 200"    |
| Screen size, horizontally                 | m    | 2.4     | 2.7     | 2.9     | 3.1     | 3.3     | 3.5     | 3.8     | 4.0     | 4.2     | 4.4     |
| Screen size, vertically                   | m    | 1.4     | 1.5     | 1.6     | 1.7     | 1.9     | 2.0     | 2.1     | 2.2     | 2.4     | 2.5     |
| Projection distance (Shortest to longest) | m    | 3.6-5.9 | 3.9-6.5 | 4.2-7.0 | 4.5-7.5 | 4.9-8.1 | 5.2-8.6 | 5.5-9.0 | 5.8-9.0 | 6.2-9.0 | 6.5-9.0 |
| h3                                        | cm   | 5       | 5       | 5       | 6       | 6       | 7       | 7       | 7       | 8       | 8       |
| Screen size                               | inch | 210"    | 220"    | 230"    | 240"    | 250"    | 260"    | 270"    |         |         |         |
| Screen size, horizontally                 | m    | 4.6     | 4.9     | 5.1     | 5.3     | 5.5     | 5.8     | 6.0     |         |         |         |
| Screen size, vertically                   | m    | 2.6     | 2.7     | 2.9     | 3.0     | 3.1     | 3.2     | 3.4     |         |         |         |
| Projection distance (Shortest to longest) | m    | 6.8-9.0 | 7.1-9.0 | 7.5-9.0 | 7.8-9.0 | 8.1-9.0 | 8.4-9.0 | 8.8-9.0 |         |         |         |
| h3                                        | cm   | 9       | 9       | 10      | 10      | 10      | 11      | 11      |         |         |         |