

## Current Series

## BRILLIANT Series

Resolution: XGA (1024x768) or SVGA (800x600)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.632 in. wide

## Screen Dimensions (H &amp; W in ft., D in in.).

|    |      |     |     |     |     |     |     |     |
|----|------|-----|-----|-----|-----|-----|-----|-----|
| H' | 2.0  | 3.0 | 4.5 | 6   | 7.5 | 9   | 12  | 15  |
| W' | 2.67 | 4   | 6   | 8   | 10  | 12  | 16  | 20  |
| D" | 40   | 60  | 90  | 120 | 150 | 180 | 240 | 300 |

## Standard Lens Models

| Standard Lens Models                              | T/W  | Lens  | Shift/Limits   | Distance (expressed in feet). |     |      |      |      |      |      |      |
|---|------|---|----------------|-------------------------------|-----|------|------|------|------|------|------|
| LC-XB26/22, LC-SB21 and<br>LC-XB25/20/15, LC-SB20 | 1.25 | 0.787"~1.181" Manual, Zoom<br>(20~30mm) f:1.7~2.5 | 9:1<br>(fixed) | 3.3                           | 5.0 | 7.5  | 10.0 | 12.5 | 15.0 | 19.9 | 24.9 |
|   | 1.87 |   |                | 5.0                           | 7.5 | 11.2 | 15.0 | 18.7 | 22.4 | 29.9 | -    |

## Discontinued Series

## Wideangle Lens Models

| Wideangle Lens Models | 1.33 | 0.838"~1.009" Power, Zoom<br>(21.3~25.63 mm) f:1.9~2.1 | 9:1<br>(fixed) | 3.5 | 5.3 | 8.0 | 10.6 | 13.3 | 15.9 | 21.2 | 26.5 |
|-----------------------|------|--|----------------|-----|-----|-----|------|------|------|------|------|
|                       | 1.60 |  |                | 4.3 | 6.4 | 9.6 | 12.8 | 16.0 | 19.2 | 25.5 | -    |

## NOTEBOOK FIVE, FOUR and THREE Series Projectors

## Screen Dimensions (H &amp; W in ft., D in in.).

Resolution: XGA (1024x768) or SVGA (800x600)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.728 in. wide

|    |      |     |     |     |     |     |     |     |
|----|------|-----|-----|-----|-----|-----|-----|-----|
| H' | 2.0  | 3.0 | 4.5 | 6   | 7.5 | 9   | 12  | 15  |
| W' | 2.67 | 4   | 6   | 8   | 10  | 12  | 16  | 20  |
| D" | 40   | 60  | 90  | 120 | 150 | 180 | 240 | 300 |

## Standard Lens Models

| Standard Lens Models    | T/W  | Lens  | Shift/Limits   | Distance (expressed in feet). |      |      |      |      |      |      |      |
|-------------------------|------|---|----------------|-------------------------------|------|------|------|------|------|------|------|
| XNB5M, XNB4M, XNB4, NB4 | 2.02 | 1.47"~1.90" Power, Zoom<br>(37.4~48.3 mm) f:1.7~2.0 | 9:1<br>(fixed) | 5.4                           | 8.1  | 12.1 | 16.2 | 20.2 | 24.2 | 32.3 | 40.4 |
|                         | 2.61 |   |                | 7.0                           | 10.4 | 15.7 | 20.9 | 26.1 | 31.3 | 41.8 | -    |

## Wideangle Lens Models

| Wideangle Lens Models | 1.15 | 0.838"~1.009" Power, Zoom<br>(21.3~25.63 mm) f:1.9~2.1 | 9:1<br>(fixed) | 3.1 | 4.6 | 6.9 | 9.2  | 11.5 | 13.8 | 18.4 | 23.0 |
|-----------------------|------|--|----------------|-----|-----|-----|------|------|------|------|------|
|                       | 1.39 |  |                | 3.7 | 5.5 | 8.3 | 11.1 | 13.9 | 16.6 | 22.2 | -    |

## NOTEBOOK TWO Series Projectors

## Screen Dimensions (H &amp; W in ft., D in in.).

Resolution: XGA (1024x768) or SVGA (800x600)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.728 in. wide

|    |      |     |     |     |     |     |     |     |
|----|------|-----|-----|-----|-----|-----|-----|-----|
| H' | 2.0  | 3.0 | 4.5 | 6   | 7.5 | 9   | 12  | 15  |
| W' | 2.67 | 4   | 6   | 8   | 10  | 12  | 16  | 20  |
| D" | 40   | 60  | 90  | 120 | 150 | 180 | 240 | 300 |

## All models:

| Standard Lens | T/W  | Lens   | Shift/Limits    | Distance (expressed in feet). |     |      |      |      |      |      |      |
|---------------|------|--|-----------------|-------------------------------|-----|------|------|------|------|------|------|
| (All Models)  | 1.80 | 1.31"~1.7" Power, Zoom<br>(33.2~43.1 mm) f:1.8~2.0 | 20:1<br>(fixed) | 4.8                           | 7.2 | 10.8 | 14.4 | 18.0 | 21.6 | 28.8 | 36.0 |
|               | 2.34 |  |                 | 6.2                           | 9.3 | 14.0 | 18.7 | 23.4 | 28.0 | 37.4 | 46.7 |

## XGA NOTEBOOK ONE Series Projectors

## Screen Dimensions (H &amp; W in ft., D in in.).

Resolution: XGA (1024x768)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.728 in. wide

|    |      |    |     |     |     |     |     |     |
|----|------|----|-----|-----|-----|-----|-----|-----|
| H' | 2    | 3  | 4.5 | 6   | 7.5 | 9   | 12  | 15  |
| W' | 2.67 | 4  | 6   | 8   | 10  | 12  | 16  | 20  |
| D" | 40   | 60 | 90  | 120 | 150 | 180 | 240 | 300 |

## XGA models

| Standard Lens | T/W  | Lens   | Shift/Limits    | Distance (expressed in feet). |     |      |      |      |      |      |      |
|---------------|------|--|-----------------|-------------------------------|-----|------|------|------|------|------|------|
| XNB1U         | 1.80 | 1.31"~1.7" Power, Zoom<br>(33.2~43.1 mm) f:1.8~2.0 | 19:1<br>(fixed) | 4.8                           | 7.2 | 10.8 | 14.4 | 18.0 | 21.6 | 28.8 | 36.0 |
|               | 2.34 |  |                 | 6.2                           | 9.3 | 14.0 | 18.7 | 23.4 | 28.0 | 37.4 | 46.7 |

## SVGA NOTEBOOK ONE Series Projectors

## Screen Dimensions (H &amp; W in ft., D in in.).

Resolution: SVGA (800x600)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.728 in. wide

|    |      |    |     |     |     |     |     |     |
|----|------|----|-----|-----|-----|-----|-----|-----|
| H' | 2    | 3  | 4.5 | 6   | 7.5 | 9   | 12  | 15  |
| W' | 2.67 | 4  | 6   | 8   | 10  | 12  | 16  | 20  |
| D" | 40   | 60 | 90  | 120 | 150 | 180 | 240 | 300 |

## SVGA models

| Standard Lens | T/W  | Lens  | Shift/Limits    | Distance (expressed in feet). |      |      |      |      |      |      |      |
|---------------|------|---|-----------------|-------------------------------|------|------|------|------|------|------|------|
| NB1U, NB1UW   | 1.95 | 1.42"~2.27" Power, Zoom<br>(36~57.6 mm) f:2.3~3.0 | 10:1<br>(fixed) | 5.2                           | 7.8  | 11.7 | 15.6 | 19.5 | 23.4 | 31.2 | 39.0 |
|               | 3.12 |   |                 | 8.3                           | 12.5 | 18.7 | 24.9 | 31.2 | 37.4 | 49.9 | 62.4 |

## Notes

|  |                   |      |      |      |      |      |      |      |       |
|--|-------------------|------|------|------|------|------|------|------|-------|
| For 16:9, width stays the same as 4:3 (ignore the diagonal). | 16:9 Height (ft.) | 1.50 | 2.25 | 3.38 | 4.50 | 5.63 | 6.75 | 9.00 | 11.25 |
|--|-------------------|------|------|------|------|------|------|------|-------|

Calculations are from the front glass of the lens and are accurate to approximately +/- 3.5%.

Specifications are subject to change without prior notice.

**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 screenWidth 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.



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