

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

## Discontinued Series

Wideangle Lens Models	T/W	Lens	Shift/Limits	Distance (expressed in feet).
LC-XB10, LC-SB10	1.33	0.838"~1.009" Power, Zoom	9:1	3.5 5.3 8.0 10.6 13.3 15.9 21.2 26.5
	1.60	(21.3~25.63 mm) f:1.9~2.1	(fixed)	4.3 6.4 9.6 12.8 16.0 19.2 25.5 -

**NOTEBOOK FIVE, FOUR and THREE Series Projectors**

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

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

Aperture: 0.728 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	T/W	Lens	Shift/Limits	Distance (expressed in feet).
XNB5M, XNB4M, XNB4, NB4	2.02	1.47"~1.90" Power, Zoom	9:1	5.4 8.1 12.1 16.2 20.2 24.2 32.3 40.4
XNB3, XNB3W, NB3W, NB3E	2.61	(37.4~48.3 mm) f:1.7~2.0	(fixed)	7.0 10.4 15.7 20.9 26.1 31.3 41.8 -

Wideangle Lens Models	T/W	Lens	Shift/Limits	Distance (expressed in feet).
XNB4MS, XNB4S, NB4S	1.15	0.838"~1.009" Power, Zoom	9:1	3.1 4.6 6.9 9.2 11.5 13.8 18.4 23.0
XNB3S, NB3S	1.39	(21.3~25.63 mm) f:1.9~2.1	(fixed)	3.7 5.5 8.3 11.1 13.9 16.6 22.2 -

**NOTEBOOK TWO Series Projectors**

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

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

Aperture: 0.728 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

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

**XGA NOTEBOOK ONE Series Projectors**

Resolution: XGA (1024x768)

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

Aperture: 0.728 in. wide

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

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

**SVGA NOTEBOOK ONE Series Projectors**

Resolution: SVGA (800x600)

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

Aperture: 0.728 in. wide

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

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	T/W	Lens	Shift/Limits	Distance (expressed in feet).
Standard Lens	1.95	1.42"~2.27" Power, Zoom	10:1	5.2 7.8 11.7 15.6 19.5 23.4 31.2 39.0
NB1U, NB1UW	3.12	(36~57.6 mm) f:2.3~3.0	(fixed)	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 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.



205 Westwood Ave, Long Branch, NJ 07740  
 Phone: 866-94 BOARDS (26273) / (732)-222-1511  
 Fax: (732)-222-7088 | E-mail: sales@touchboards.com