



The new dnp Zenith rear projection screen line in new dimensions meets the challenge of today's brighter projectors to deliver outstanding image quality even in ambient lighting, making it suitable for the most demanding rear projection applications.



dnp optical rear projection screens

Designed to complement modern, high-lumens projectors, the new Zenith Screen line represents the perfect match between gain, contrast and viewing angles, resulting in outstanding brightness uniformity. The fully balanced image gives optimal 'eye-gonomics', the vital viewing comfort that's crucial to the usability of display systems.

Key to this is the screen's excellent contrast and uniformity, which has been achieved with a gain of 2.2, along with dark tint and a non-glare surface that minimises reflections.

The dnp Zenith Screen line is designed for the 100"-plus market; especially for TV studios, conference rooms, home entertainment and multiple screen installations, i.e. simulation or control rooms, where high-quality images are essential even in unfavourable lighting conditions.

The new screen is available in widths up to 4m/159" with heights corresponding to standard aspect ratios.

- > High contrast
- > Excellent image uniformity
- > Gain of 2.2
- > Deep black level
- > Non-glare surface
- > 4K compatible

Application suitability	
Auditorium/sports arena	★ ★ ★ ★
Conference room	★ ★ ★ ★ ★ ★
Control room	★ ★ ★
TV studio	★ ★ ★ ★ ★ ★
Advertising – in-store	★ ★ ★
Advertising – window display	★
Home entertainment – bright living room/3D	★ ★ ★ ★ ★
Education	★ ★ ★ ★ ★ ★
Simulation/3D	★ ★ ★ ★ ★

Screen image height:

Customized:

Generally the maximum screen height is equivalent to the 4:3 aspect ratio

Part no.	Screen image width*		Screen focal length		Recommended Lens throw ratio**	Thickness		Lenticular pitch mm	Equivalent to diagonal size inch		
	inch	mm	inch	mm		inch	mm		4:3	16:9	16:10
3 080 1 185 70	80	2032	73	1850	0.9-1.2:1	0.22	5.5	0.25	100	92	94
3 080 1 230 70	80	2032	91	2300	1.0-1.4:1	0.22	5.5	0.25	100	92	94
3 080 1 270 70	80	2032	106	2700	1.2-1.7:1	0.22	5.5	0.25	100	92	94
3 096 1 230 70	96	2438	91	2300	0.9-1.2:1	0.22	5.5	0.25	120	110	113
3 096 1 270 70	96	2438	106	2700	1.0-1.4:1	0.22	5.5	0.25	120	110	113
3 100 1 230 70	100***	2540	91	2300	1.0-1.4:1	0.22	5.5	0.25	-	115	118
3 100 1 270 70	100***	2540	106	2700	0.9-1.4:1	0.22	5.5	0.25	-	115	118
3 112 1 350 70	112	2845	138	3500	1.1-1.6:1	0.29	7.5	0.5	140	129	132
3 120 1 350 70	120	3048	138	3500	1.0-1.5:1	0.29	7.5	0.5	150	138	142
3 128 1 350 70	128	3251	138	3500	1.0-1.4:1	0.29	7.5	0.5	160	147	151
3 128 1 480 70	128	3251	189	4800	1.3-1.9:1	0.29	7.5	0.5	-	147	151
3 144 1 350 70	144***	3658	138	3500	0.9-1.2:1	0.29	7.5	0.5	-	165	170
3 144 1 480 70	144	3658	189	4800	1.2-1.7:1	0.29	7.5	0.5	-	165	-
3 159 1 480 70	159	4039	189	4800	1.1-1.5:1	0.29	7.5	0.5	-	180	-

Weight: Width x Height x Thickness x 1.2 (density)

\* Screen width customized for each size

\*\* General tolerance = -10/+25% related to actual focal length and screen width. The tolerance only applies to individual installations.

Projection distance = screen width x lens throw

\*\*\* Only available in 16:10 and 16:9 aspect ratio

Subject to change without notice. Please check specification at time of ordering.

## General specifications

### Optical specifications

Peak gain 2.2 +/- 0.5

### Operating environment

Temperature	°C	5-35
	°F	41-95
Humidity (non-condensing)	%RH	30-70

### Included in the package

Gloves, quality certificate

### Certificates



In case the projected image has a width of 3255-3330 mm (128.1"-131.1") or 3551-3930 mm (141.5"-154.7"), there is a risk of optical interference patterns between the pixel structure and the physical lens structures in the screen.

## Gain chart

