



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 an anti-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
- > Anti-glare surface

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

dnp Zenith Screen™ General information

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 |

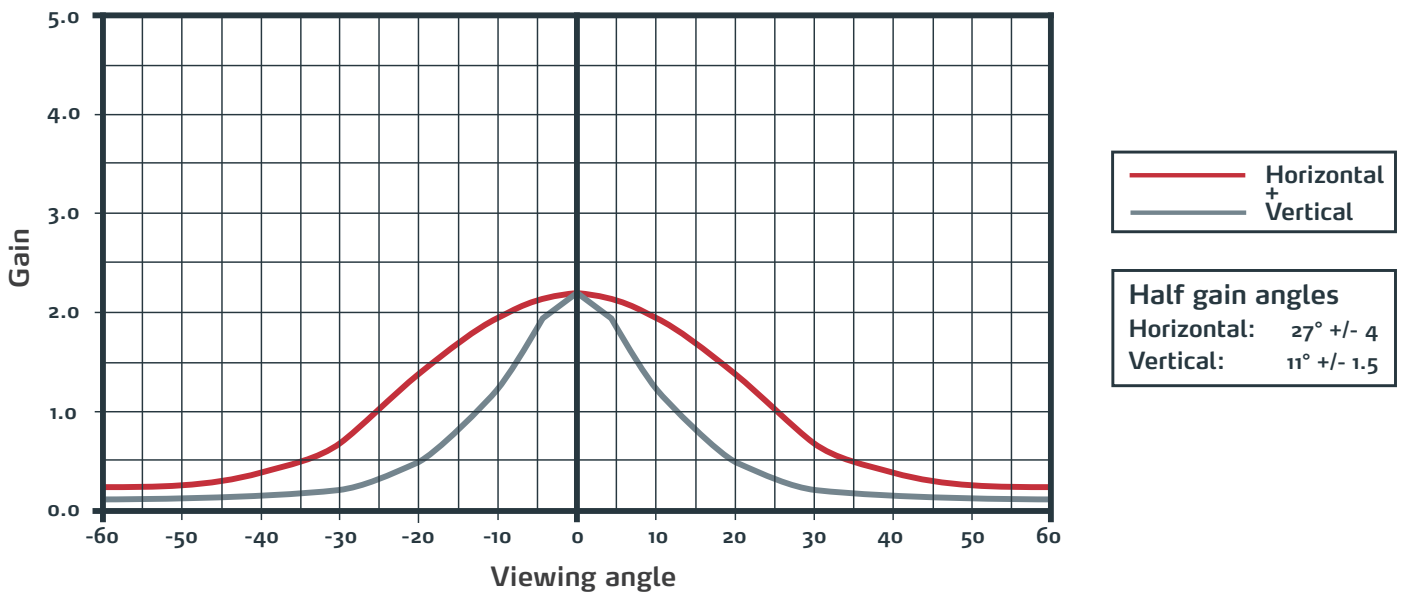
Included in the package

Gloves, quality certificate

Certificates



Gain chart



dnp Zenith Screen™ Specifications

Screen image height:

Customized:

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

| 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 |
| 80 | 2032 | 73 | 1850 | 0.8-1.2:1 | 0.22 | 5.5 | 0.25 | 100 | 92 | 94 |
| 80 | 2032 | 91 | 2300 | 1.0-1.4:1 | 0.22 | 5.5 | 0.25 | 100 | 92 | 94 |
| 80 | 2032 | 106 | 2700 | 1.2-1.7:1 | 0.22 | 5.5 | 0.25 | 100 | 92 | 94 |
| 96 | 2438 | 73 | 1850 | 0.7-1.0:1 | 0.22 | 5.5 | 0.25 | 120 | 110 | 113 |
| 96 | 2438 | 91 | 2300 | 0.8-1.2:1 | 0.22 | 5.5 | 0.25 | 120 | 110 | 113 |
| 96 | 2438 | 106 | 2700 | 1.0-1.4:1 | 0.22 | 5.5 | 0.25 | 120 | 110 | 113 |
| 100*** | 2540 | 73 | 1850 | 0.7-0.9:1 | 0.22 | 5.5 | 0.25 | - | 115 | 118 |
| 100*** | 2540 | 91 | 2300 | 1.0-1.4:1 | 0.22 | 5.5 | 0.25 | - | 115 | 118 |
| 100*** | 2540 | 106 | 2700 | 0.9-1.4:1 | 0.22 | 5.5 | 0.25 | - | 115 | 118 |
| 112 | 2845 | 138 | 3500 | 1.1-1.6:1 | 0.29 | 7.5 | 0.5 | 140 | 129 | 132 |
| 120 | 3048 | 138 | 3500 | 1.0-1.5:1 | 0.29 | 7.5 | 0.5 | 150 | 138 | 142 |
| 128 | 3251 | 138 | 3500 | 1.0-1.4:1 | 0.29 | 7.5 | 0.5 | 160 | 147 | 151 |
| 144*** | 3658 | 138 | 3500 | 0.9-1.2:1 | 0.29 | 7.5 | 0.5 | 180 | 165 | 170 |
| 128 | 3251 | 189 | 4800 | 1.3-1.9:1 | 0.29 | 7.5 | 0.5 | 160 | 147 | 151 |
| 144 | 3658 | 189 | 4800 | 1.2-1.7:1 | 0.29 | 7.5 | 0.5 | 180 | 165 | 170 |
| 159 | 4039 | 189 | 4800 | 1.1-1.5:1 | 0.29 | 7.5 | 0.5 | 199 | 182 | 188 |

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.