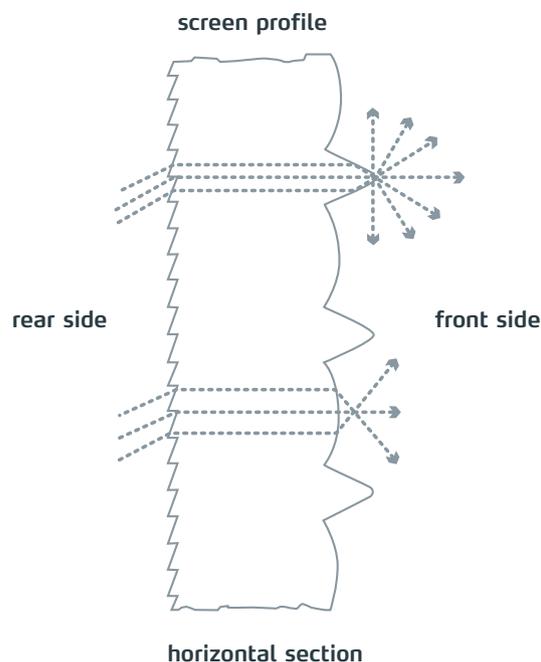


Specifications: for New Wide Angle Screen™

Suggested specifications

Rear projection screen shall be dnp New Wide Angle Screen, characterized by being a single element fresnel/lenticular screen. The Fresnel lens shall have a pitch of no more than 0.357 mm and is mounted facing the projector. The lenticular lens shall have a pitch of no more than 0.25 mm and is mounted facing the audience. The screen focal length should be chosen to fit the projector lens. Image shall be distributed into a 180° horizontal viewing area with a peak gain of 3.5 on axis. Horizontal half gain angle shall be +/- 32° controlled by the lenticular lens structure and vertical half gain angle shall be +/- 8° controlled by diffusion particles included in the screen matrix material. Fresnel lens surface shall have a non-glare finish to eliminate speckle, and the lenticular lens surface to have a non-matted surface to improve the image quality under high ambient light conditions.



Peak Gain	Horizontal viewing Angle	Horizontal Half Gain Angle	Vertical Half Gain Angle	Fresnel pitch max	Lenticular pitch
3.5	180°	+/-32°	+/-8°	0.357 mm	0.25 mm

Cleaning of screen

Use a dust cloth or vacuum cleaner with bristles that are not too soft to remove dust and loose contamination. Be careful not to scratch the lens structure and always wipe in the direction of the grooves. If this procedure is not sufficient to achieve a satisfactory result, please refer to the dedicated dnp screen cleaning instruction leaflet.

Handling of screen

Upon receipt of crate inspect immediately for damage. After inspection, restore the screen in the crate until the installation takes place. Store the screen in an environment of 0-40°C and 30-70%RH. Avoid contact between the crate and water. Upon

opening the crate, use the enclosed gloves when handling the screen. This will avoid scratches and fingerprints on the screen.

Framing

The screen can be delivered pre-mounted in a frame. This will ease the handling and reducing the risk of damaging the screen during installation.



dnp optical rear
projection screens