



SCREEN SOLUTIONS

Made in Germany



SONY



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//Photo: Holly Birch Photography / University of Illinois – Champaign, IL USA / Front Projection Scree GAMMALUX®

[SCREENS SOLUTIONS]

Gerriets is one of the world's leading companies in the development and production of high-quality projection surfaces. We specialize in unique projection effects and large roller screen systems for use in theatres and opera houses, expo venues and conference rooms, TV studios as well as other major projects.

Whether your project requires screen or fabric, front or rear projection, fullsize or edge blended projection, visual effects like 3D projection, highly transparent projection screens or motorized roller systems with a total width of up to 30 meters (98 ft), we have the solution for you for both temporary and permanent installations.

Gerriets Screen Solutions – individual solutions for every purpose!

INTRO

Gerriets High-Frequency Welding

Developed and perfected by Gerriets, hundreds of thousands of square meters of projection and effect screens have been manufactured in our screen welding shop.

Employees with decades of experience with screens and vinyl make fine, nearly invisible welds using specially designed high frequency welding machines. Almost every size of screen is possible. For example, the Gerriets welding shop made a 100.0 m (328 ft) wide by 20.0 m (65 ft) high projection screen for the open air opera "Carmen" in Seoul, South Korea.

Gerriets cares about the environment as well, all our screen remnants and grommets are fully recyclable.

Gerriets Sewing Workshop

Gerriets sewing shop is the cream of the crop. All projection fabrics, including those for both 2D and 3D projection are precisely hand made by our experienced seamstresses.

With decades of experience and the latest technology, Gerriets developed over many months of planning, the worlds longest robotic sewing and fabric cutting machine.





[SCREEN SOLUTIONS]

INTRO

Gerriets Custom Solutions

Knowledge, Experience, Service...

We love challenges! Custom solutions have been part of our company since the beginning.

On a day to day basis we provide fast, reliable processing and on-time delivery for customers worldwide, priding ourselves in custom solutions for special projects.

Our highly qualified experts guide customers through every stage of the project, from the planning and construction phases as well as installation, ensuring a successful completion of the project and a satisfied customer.

We have been successfully providing these custom solutions for over 70 years, continually exceeding expectations while taking on more complex projects around the world.





INTRO

Gerriets Custom Solutions

We specialize in large projects:

A 30.0 m (98 ft) wide MEGASCREEN TOUR roller screen and a height of up to 15.0 m (49 ft), built as one piece and installed, hanging from the ceiling for Mercedes-Benz at the IAA (International Vehicles Exhibition in Frankfurt), includes a 5,000 m² (53,800 ft²) projection surface.

Or a 100.0 m (328 ft) wide x 20.0 m (65 ft) high rear projection screen in South Korea, a 60.0 x 10.0 m (197 x 33 ft) convex projection screen at the IFA (International Technology Exhibition in Berlin), a more than 80.0 m (262 ft) roman blind curtain system made with projection fabric in New York or a large edge-blended projection screen in Vienna.

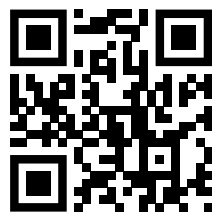
We embrace the details:

As you can see, we are not afraid to tackle complex projects, but all projects receive the same attention to detail no matter its size or scope. Be it from the world expos in Milan and Shanghai, to art galleries, trade shows, museums, and car dealerships, our projection solutions are everywhere.

If time is tight, screens can be made quickly and with short notice in our workshops.

With Gerriets, you have the idea – we supply the knowledge and the expertise to realize it.





Project Video





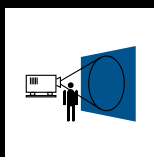
//Photo: Benart Sound Light-Vision-Stage System / TRT Sevgi Studio – Ankara, Turkey / Front and Rear Projection Screen OPERA® CREAMY WHITE

[PROJECTION SCREENS]

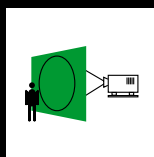
Looking for the right projection screen for your next event or installation?

Our product line encompasses everything from front and rear projection screens to screens for special effects, allowing you to find a solution that suits your needs.

Projection Types



Front
Projection



Rear
Projection

[PROJECTION SCREENS]

PROJECTION SCREEN GLOSSARY

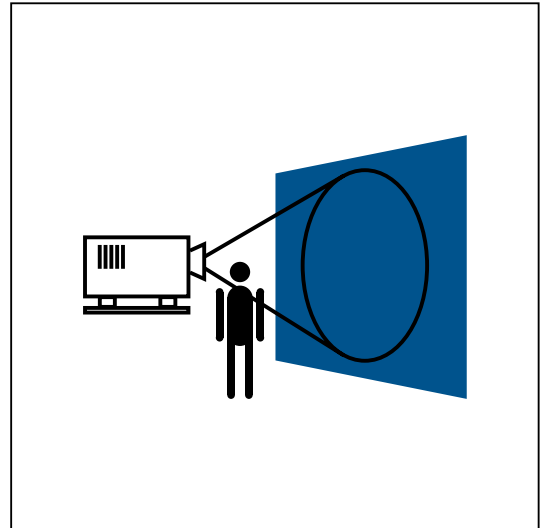
Even before selecting the right projection screen, the intended application purpose should always be analyzed. There are screens that can be used for almost any purpose and projection screens, whose scope of application is clearly defined.

The "glossary" is designed to highlight the key points which must be considered when choosing a projection screen and to explain the key terms regarding projection screens.

Front Projection

Projection projected on the front of a projection screen, i.e. on the viewer side. The following Gerriets projection screens are suitable for front projection:

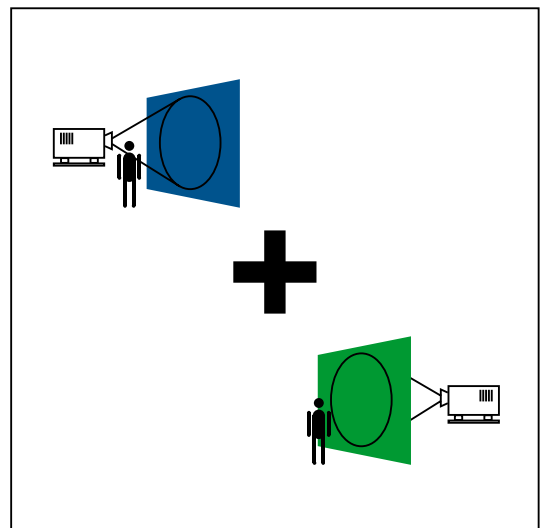
GAMMALUX®, GAMMALUX® MICRO, SCENE, SCENE PERFORATED, GREYSCREEN, OPERA® WHITE, OPERA® WHITE PERFORATED, OPERA® WHITE MICRO PERFORATED, OPERA® HIGH GAIN, SILVERBLACK



Two-sided usability

The following Gerriets projection screens are suitable for both front projection and rear projection:

OPERA® CREAMY WHITE, OPERA® GREY BLUE, SHOW®, STUDIO®, REVUE, EVEN, OPTIBLACK 2.2



[PROJECTION SCREENS]

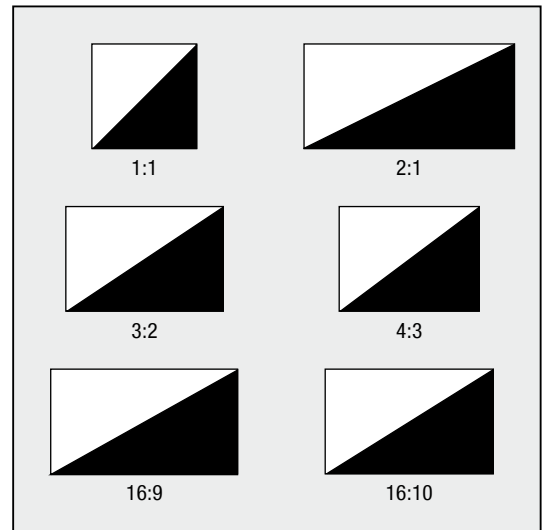
PROJECTION SCREEN GLOSSARY

Picture Format

The picture format is the width-to-height ratio of a defined picture.

- Square Format 1:1
- Panorama Format 2:1 / 3:1
- Slide Format 3:2
- Video Format 4:3
- Cinema or HDTV Format 16:9
- WUXGA Format 16:10

When planning for a projection screen, it is useful to know what format will be used most often.



Screen Types D and R

Screen type D (diffuse) describes a projection screen in which light is cast and reflected, and the reflected light is not controlled.

Screen type R (rear projection) does not reflect the light that is cast on it, but rather transmits light through its surface from behind.

Type R controls the percentage of light that passes through the surface, but not the direction in which the light is transmitted. Projection screens categorized as D/R reflect and transmit light simultaneously.

Type B projection screens have a crystal glass coated surface which helps focus light, as do type S projection screens which have a silver metallic coated surface.



//Photo: AIRSCREEN / Screen Type D / OPERA® WHITE



//Photo: RBB / Screen Type R / OPTITRANS®

PROJECTION SCREEN GLOSSARY

Colour Spectrogram and Colour Reproduction

The colour spectrogram shows the reflection or transmission of the visible spectrum (approx. 380-780 nm) over the entire screen surface. The reflection and transmission of visible light on a projection surface can vary significantly across the entire colour range. Compared to the luminance factor, the colour spectrogram indicates the average value, in nanometers, of the entire visible spectral range over the entire screen surface. Low reflection or transmission values are not necessarily associated with a low luminance factor. The actual colour reproduction of a projection screen has less to do with the degree or the intensity of reflection and/or transmission and more to do with the evenness of the various wavelengths. The more even the measured values are, the more even the colour spectrogram will appear and the better the actual colour reproduction of the screen will be.

The value of 1 (100 %) represented in the colour spectrogram consists of the reflection, transmission and absorption of the projection screen.

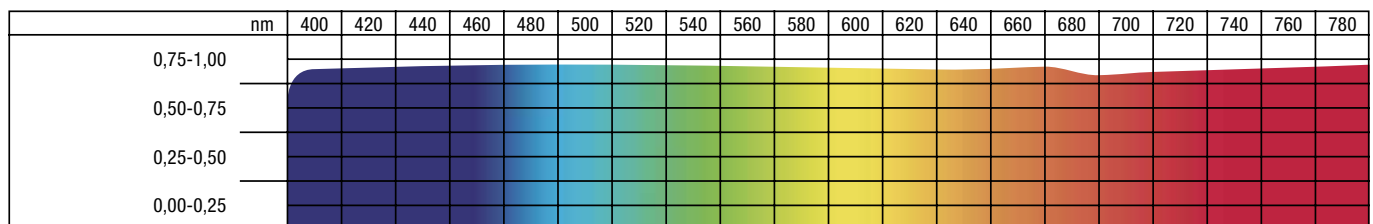
Loss of spectral radiation through absorption is very minimal.

Reflection factor and transmission factor are often mistaken for gain, but the method and significance of the measurement is fundamentally different.

Projection Surface Reflectance Properties
OPERA® WHITE Front Projection Screen
Official Test Results (Certificate #015124-3-1)

| Wavelength [nm] | Degree of Reflection |
|-----------------|----------------------|
| 400 | 0,800 |
| 410 | 0,817 |
| 420 | 0,822 |
| 430 | 0,838 |
| 440 | 0,840 |
| 450 | 0,843 |
| 460 | 0,843 |
| 470 | 0,842 |
| 480 | 0,843 |
| 490 | 0,842 |
| 500 | 0,837 |
| 510 | 0,833 |
| 520 | 0,829 |
| 530 | 0,825 |
| 540 | 0,819 |
| 550 | 0,811 |
| 560 | 0,806 |
| 570 | 0,806 |
| 580 | 0,805 |
| 590 | 0,795 |
| 600 | 0,791 |
| 610 | 0,789 |
| 620 | 0,791 |
| 630 | 0,800 |
| 640 | 0,811 |
| 650 | 0,817 |
| 660 | 0,821 |
| 670 | 0,814 |
| 680 | 0,784 |
| 690 | 0,780 |
| 700 | 0,803 |
| 710 | 0,817 |
| 720 | 0,818 |
| 730 | 0,821 |
| 740 | 0,818 |
| 750 | 0,813 |
| 760 | 0,815 |
| 770 | 0,812 |
| 780 | 0,809 |

Colour Spectrum Degree of Reflection



OPERA® WHITE

[PROJECTION SCREENS]

PROJECTION SCREEN GLOSSARY

Finish

Stable, durable seams that are almost invisible are the basic requirements for the good quality of a projection screen.

Model 0

Vertically welded panels, no edge finishing.

Model 1

Reinforced (65 mm / 2.55") PVC webbing with grommets (inside diameter 12 mm / 0.47") spaced 200 mm (8") on centre at the top, small (40 mm / 1.57") welded hem on the sides and a 100 mm (4") pocket on the bottom.

Model 2

Reinforced (65 mm / 2.55") PVC webbing with grommets (inside diameter 12 mm / 0.47") spaced 200 mm (8") on centre on the top and sides, 100 mm (4") pocket on the bottom.

Model 3

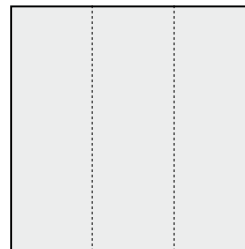
Reinforced (65 mm / 2.55") PVC webbing with grommets (inside diameter 12 mm / 0.47") spaced 200 mm (8") on centre on all sides.

Model 4

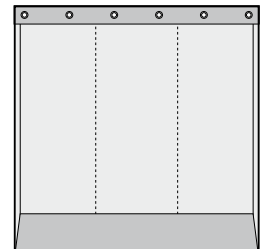
Reinforced (65 mm / 2.55") PVC webbing with snaps spaced 200 mm (8") on centre on all sides.

Skirt

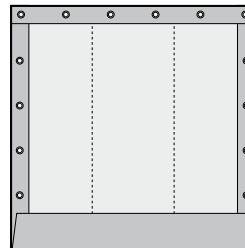
By default, the skirt is attached to the front. Processing is possible according to model 1 or 2. Upon request, also a rear attachment is possible. The total height of the finished screen always includes the skirt.



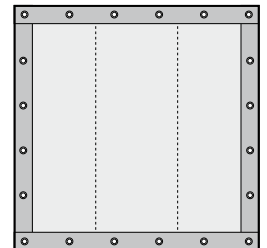
Model 0



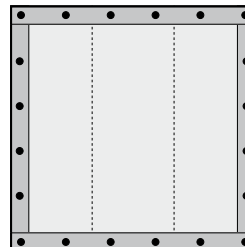
Model 1



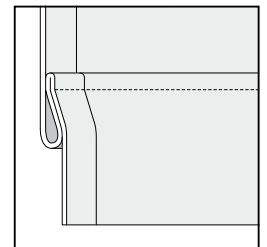
Model 2



Model 3



Model 4



Skirt

Fullsize Projection

Projection of data or images with a projector that illuminates the entire screen surface or "full frame".



PROJECTION SCREEN GLOSSARY

Durability

The durability of a screen does not only depend on the quality of the material but also on the processing and on-site conditions. After several years of use, a projection screen may develop weak spots due to normal storage and use. Additionally, screens can be damaged by careless handling and by being stored and moved in a cold environment. Years of constant cycles of hanging, removing and storing, such as is common practice in repertory theatres, will inevitably cause some damage to a screen, shortening its lifespan. Extreme temperature fluctuations from temperatures around 40° C (105° F) to temperatures just above freezing will certainly damage a PVC screen.



Classification of building materials in fire protection

The classification of building materials is determined in Germany according to DIN 4102 Part 1-4. Basically, this DIN regulates tests and requirements for the fire behavior of building materials and components. The test procedure is described in detail in DIN 4102-1. This standard is also used as a basis in many other European countries and is also applied beyond the building legislation for textiles and projection screens.

Other countries also have their own national testing and classification standards. For example, in France applies the NF P 92-503, in England BS 5867 and in the USA NFPA 701.

In most European countries, EN 13501-1 has meanwhile been established for the classification of building materials, whereby the national standards, as well as in Germany, sometimes still apply in parallel to the European standards.

Finally, due to the reference to building law, the classification according to DIN 4102-1 is even more common in Germany than the European usually "stronger" EN 13501-1.



DIN 4102-1 Flame Test

[PROJECTION SCREENS]

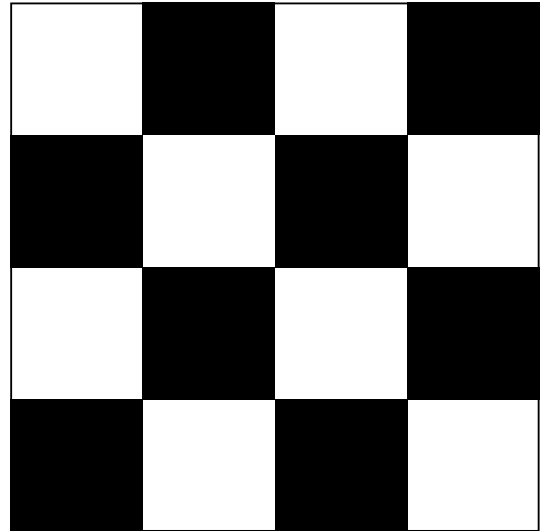
PROJECTION SCREEN GLOSSARY

Contrast

Contrast is simply the ratio between black and white. Picture contrast is considered good when black areas are perceived as highly distinct from white areas.

To determine the contrast ratio of a projection screen, we use a checker-board grid of eight black and eight white squares and a NIT meter that calculates the average values of the black and white squares.

For projection under normal conference room conditions, the following is a contrast guideline: a ratio from 6:1 to 10:1 is considered bad; 20:1 and up is considered good.

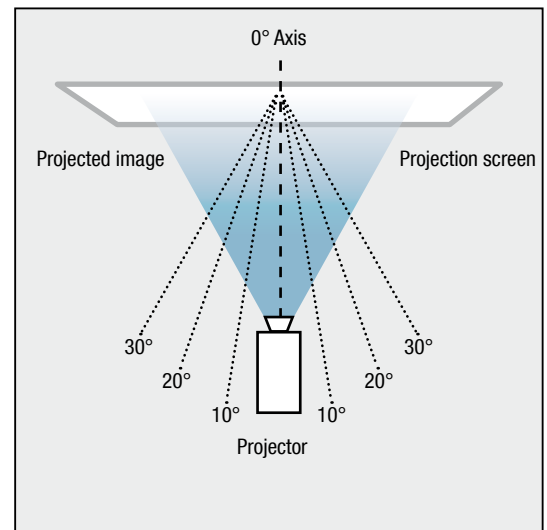


Luminance Factor (Gain)

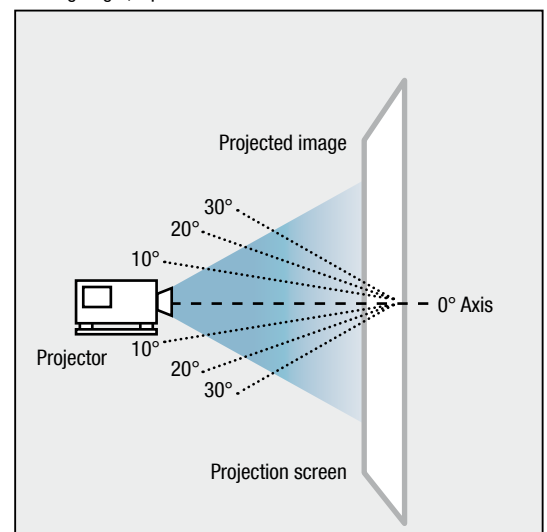
The luminance factor, also called gain, describes the efficiency of the screen and its ability to gather light.

The criteria for establishing the gain of a projection screen as compared to a defined reference material (standard white DIN 50339) is described in DIN 19045. This reference material is made from barium sulphate, a white chalk tile that has a standard gain of 1.0. When a measurement has a gain greater than 1.0, it reflects (front projection) or transmits (rear projection) more light than barium sulphate.

Gain is measured at different angles and is greatest at a 0° axis, when both the projected light and the viewer are parallel to the viewing surface. Gain decreases as the viewing angle becomes wider.



Viewing Angle, Top View



Viewing Angle, Side View

PROJECTION SCREEN GLOSSARY

Microperforation / Perforation

A micro perforation is used for sound transmission especially in the medium and high frequency areas. At lower frequencies, the sound also passes freely through a closed PVC screen.

Attention: Depending on the projection screen distance and the type of projection, a so-called "moiré effect" may occur in case of digital projectors.

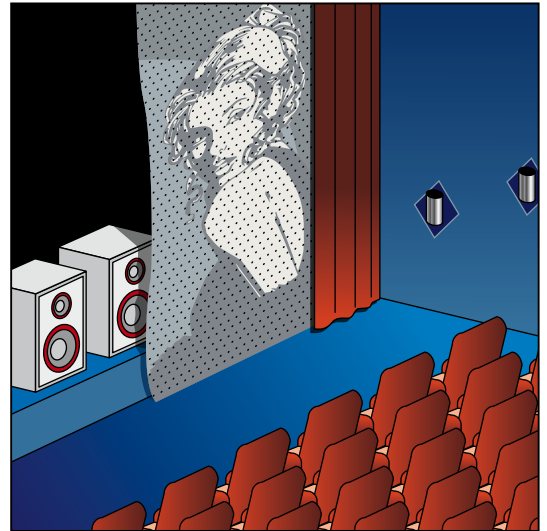


Image Quality

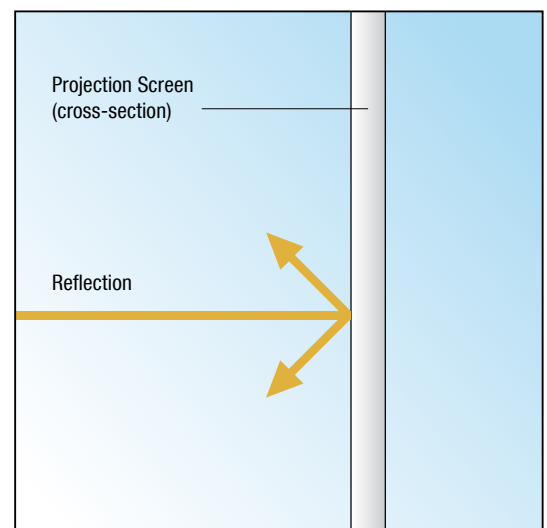
The quality of a projected image is dependent not only upon the screen material but many other factors, including projector brightness, ambient light, reflected light and distance from the projector to the projection screen. Projection in daylight situations is possible only under very specific and controlled conditions.



San Francisco, AIRSCREEN classic 16 x 8 m • Photo: AIRSCREEN

Degree of Reflection

Degree of reflection indicates the ratio of reflected spectral flux to the projected spectral flux.

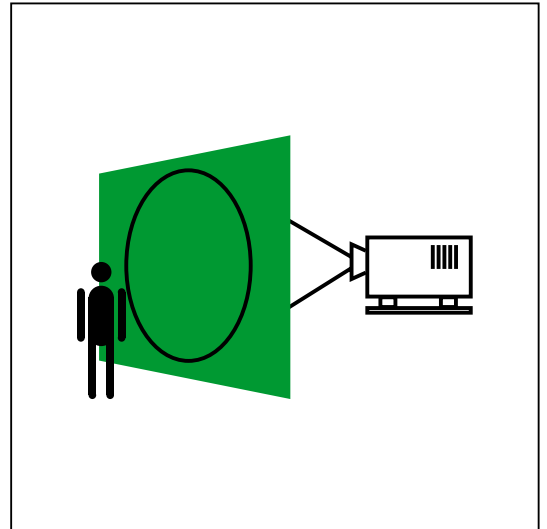


PROJECTION SCREEN GLOSSARY

Rear Projection

Projection projected onto the back of a screen. The following Gerriets projection screens are suitable for rear projection:

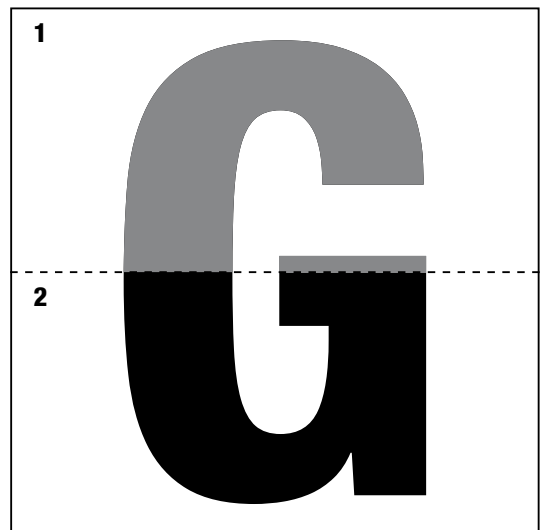
PANORAMA, OPTITRANS®, OPTILUX, TRANSMISSION, ARENA 86, ARCTIC



Black Level

The black level is the intensity of the colour black when projected onto a projection surface. The black level is influenced by the projection source and the projection screen. Optimal black level would assume a theoretical 0 % reflection and transmission of the incident light in the black image areas.

- 1** Text projection of scattered light on a white projection screen.
- 2** Text projection of scattered light on a GREYSCREEN projection screen.

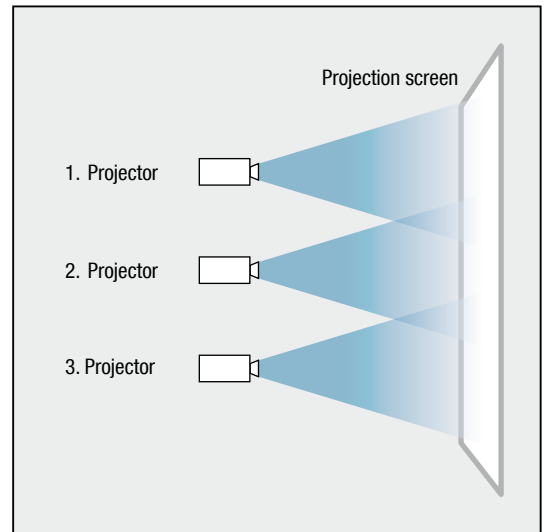


PROJECTION SCREEN GLOSSARY

Soft-Edge Blending Projection

In case of soft-edge blended projection, a media software controls the light intensity of at least two projectors at the overlapping image edges. However, the media software can only control the projectors, but it ignores which projection screen is projected. For soft-edge blended projections, it is therefore essential to choose projection screens with the best possible luminance distribution.

Projection films that meet this criterion very well in the rear projection, are for example, the OPTIBLACK, the OPERA® CREAMY WHITE or the OPERA® GREY BLUE. The EVEN was developed especially for soft-edge projections with perfect soft-edge qualities and almost twice as light. For front projection, both the EVEN and OPERA® WHITE, GAMMALUX®, SCENE or the OPTIBLACK are suitable for soft-edge projections.



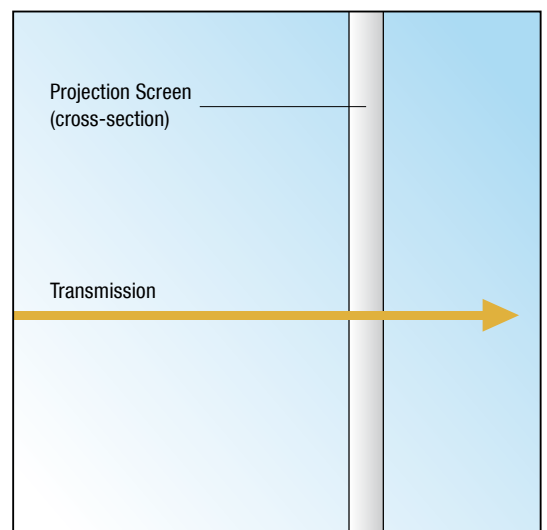
Top View



//Photo: Bayer AG / EVEN

Transmission

Degree of transmission represents the ratio of penetrated radiation flux to absorbed spectral radiation flux.



[PROJECTION SCREENS]

SCREEN COMPARISON AND SELECTION GUIDE

| | Front Projection | Rear Projection | Soft-Edge Blending Suitability / Front Projection | Soft-Edge Blending Suitability / Rear Projection | Susceptibility to Scattered Light / Front Projection | Susceptibility to Scattered Light / Rear Projection | Opacity | Sound Transmission | Flame retardant according to DIN 4102-1 | Flame retardant according to DIN EN 13501 -1 |
|--|------------------|-----------------|---|--|--|---|---------|--------------------|---|--|
| Front Projection Screens | | | | | | | | | | |
| GAMMALUX® | 😊 | | 😊 | | 😞 | | 100 % | 😞 | | ✓ |
| GAMMALUX® MICRO | 😊 | | 😊 | | 😞 | | | 😊 | | ✓ |
| SCENE | 😊 | | 😊 | | 😞 | | 100 % | 😞 | ✓ | ✓ |
| SCENE PERFORATED | 😊 | | 😊 | | 😞 | | | 😊 | | ✓ |
| GREYSCREEN | 😊 | | 😊 | | 😊😊 | | 98 % | 😞 | ✓ | ✓ |
| OPERA® WHITE | 😊 | | 😊 | | 😞 | | | 😞 | | ✓ |
| OPERA® WHITE PERFORATED | 😊 | | 😊 | | 😞 | | | 😊 | | ✓ |
| OPERA® WHITE MICRO PERFORATED | 😊 | | 😊 | | 😞 | | | 😊 | | ✓ |
| OPERA® HIGH GAIN | 😊 | | 😞 | | 😞 | | 98 % | 😞 | ✓ | ✓ |
| SILVERBLACK | 😊 | | 😞 | | 😞 | | 100 % | 😞 | ✓ | ✓ |
| Front and Rear Projection Screens | | | | | | | | | | |
| OPERA® CREAMY WHITE | 😊 | 😊 | 😊 | 😊😊 | 😞 | 😞 | | 😞 | | ✓ |
| OPERA® GREY BLUE | 😊 | 😊 | 😊 | 😊😊 | 😊 | 😊 | | 😞 | | ✓ |
| SHOW® | 😊 | 😊 | 😞 | 😞 | 😊😊 | 😊 | | 😞 | | ✓ |
| STUDIO® | 😊 | 😊 | 😊 | 😊 | 😊 | 😊 | | 😞 | | ✓ |
| REVUE | 😊 | 😞 | 😞 | 😞 | 😞 | 😞 | | 😞 | | ✓ |
| EVEN | 😊 | 😊 | 😊😊 | 😊😊 | 😞 | 😞 | | 😞 | ✓ | ✓ |
| OPTIBLACK 2.2 | 😊 | 😊 | 😊 | 😊😊 | 😊😊 | 😊 | | 😞 | ✓ | ✓ |
| Rear Projection Screens | | | | | | | | | | |
| PANORAMA | | 😊 | | 😞 | | 😞 | | 😞 | | ✓ |
| OPTITRANS® | | 😊 | | 😞 | | 😞 | | 😞 | ✓ | ✓ |
| OPTILUX | | 😊 | | 😞 | | 😞 | | 😞 | ✓ | ✓ |
| TRANSMISSION | | 😊 | | 😊 | | 😞 | | 😞 | ✓ | ✓ |
| Special Application Screens | | | | | | | | | | |
| ARENA 86 | 😊 | | 😊 | | 😞 | | | 😊 | ✓ | |
| ARCTIC | 😊 | | 😊 | | 😞 | | 100 % | 😞 | ✓ | |

- 😊😊 = Excellent
 😊 = Very good
 😞 = Acceptable
 😞 = Not suitable
 ✓ = Certificate report available

This table only serves as selection guide for choosing the right screen and does not replace a projection test.

The following screen information can be sent to you on request:

- **Product Card** with technical data and A4 sample of desired screen;
- our handy **Screens Cascade** with technical data and small samples of all screens or
- our **Screens Folder** with technical data and A4 samples of all screens.

You can request the samples by calling +49 7665 960 0 or via e-mail info@gerriets.com.



//Photo: Uniplan / Frankfurter Buchmesse – Frankfurt, Germany / Front Projection Screen GAMMALUX®

FRONT PROJECTION SCREENS

GAMMALUX®

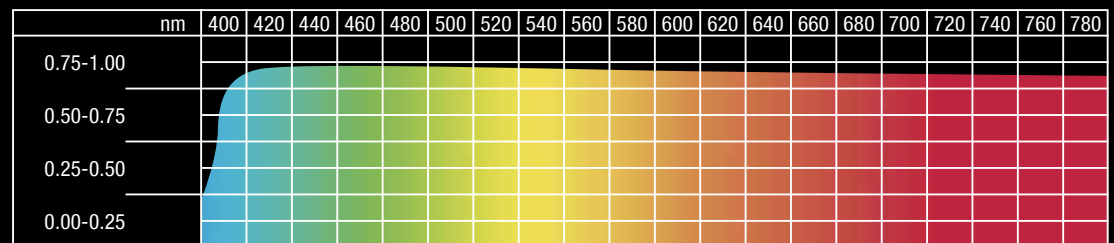
The Flexible Screen!

GAMMALUX® is a two-ply laminated white PVC front projection screen and has an opaque grey backing that can also be used as a projection surface. It works well for all front projection applications and has good edge blending characteristics.

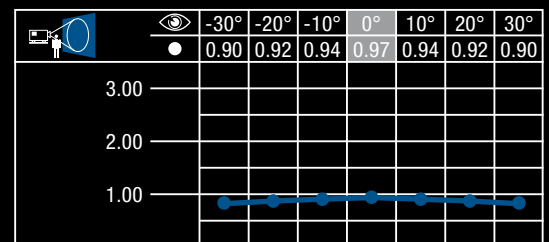
It is often used on snap style frame systems and lace and grommet truss frames. Due to its opacity, it can be used in front of large windows with no bleed through of unwanted light.

Once tensioned, wrinkles and creases fall out nicely because of its elasticity. As an added benefit, the grey backing surface can be used to project when darker black levels or higher contrast is needed such as in text presentations.

Colour Spectrum Degree of Reflection



| Technical Data | |
|---------------------|--|
| Art.-No. | 2111 0000 |
| Material | PVC |
| Colour | white, rear: grey |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 190 cm (75") |
| Weight | approx. 430 g/m ² (12.68 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 200 rm (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | yes |
| Gain | 0.97 |



Front Projection

Campaign "With Illinois"

Description

- A fundraising campaign launch event for the University of Illinois.
- Manufacture of a GAMMALUX® front projection screen with webbing and grommets on all sides used as the central dual edge blended screen for the production; dimensions of the projection screen: 18.3 x 6.1 m (60 x 20 ft).
- Staging of the charity gala with audio-visual support by OSA International Inc.

Event Production

The Expo Group

Client

OSA International Inc.
www.OSAcorp.com

Venue

State Farm Center

Location

Champaign, IL / USA





TH
I

THE CAMPAIGN FOR ILLINOIS



//Photo: Olaf Becker / IFA Exhibition Stand Sony – Berlin, Germany / Front Projection Screen GAMMALUX® MICRO

[PROJECTION SCREENS]

FRONT PROJECTION SCREENS

GAMMALUX® MICRO

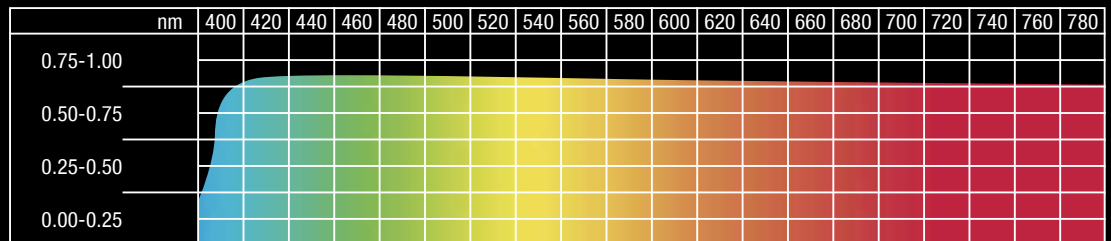
The Flexible Screen with Sound Transmission!

The front projection screen GAMMALUX® MICRO has the same technical characteristics and applications as GAMMALUX®, but is not opaque due to microperforation.

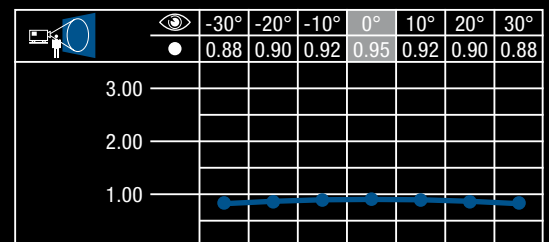
It is often used on snap style frame systems and lace and grommet truss frames. Very suitable for the cinema and home cinema sector with speakers behind the screen.

With 300,000 holes (0.50 mm diameter) per square meter (195 per square inch) and a perforation area of 6 %, it works very well to allow the passage of sound through the screen, while allowing for close up viewing due to the extremely small size of the perforations.

Colour Spectrum Degree of Reflection



| Technical Data | |
|----------------------|--|
| Art.-No. | 2111 2000 |
| Material | PVC |
| Colour | white, rear: grey |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 190 cm (75") |
| Weight | approx. 430 g/m ² (12.68 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 200 rm (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Perforation area | 6 % |
| Perforation count | 300,000/m ² (195/in ²) |
| Perforation diameter | 0.50 mm |
| Gain | 0.95 |



Front Projection

Discovery Cube Science Center

Description

- Installation of a complex system that can convert an expo hall into a movie theatre and back again easily and quickly.
- 19.0 m (62 ft) wide MEGASCREEN TOUR system with a 19.0 x 8.0 m (62 x 27 ft) GAMMALUX® MIRCO projection screen.
- 21.0 m (69 ft) wide STRATUS vertical curtain lift system for retractable rear black out curtains made from velour.
- CHAINBEAM track system is used for a horizontal masking system for the projection screen. A custom hoist system was designed to retract the masking curtains out of the way while the expo hall is in use.
- Separate TRUMPF 95 track system for additional black out curtains.
- Truss system to mount speakers to behind the projection screen that can be hoisted to the ceiling for storage when not in use.

Client

Discovery Cube Science Center

Location

Orange County, CA / USA





Project Video



//Photo: AIRSCREEN / Traverse City Film Festival – MI, USA / Front Projection Screen SCENE

FRONT PROJECTION SCREENS

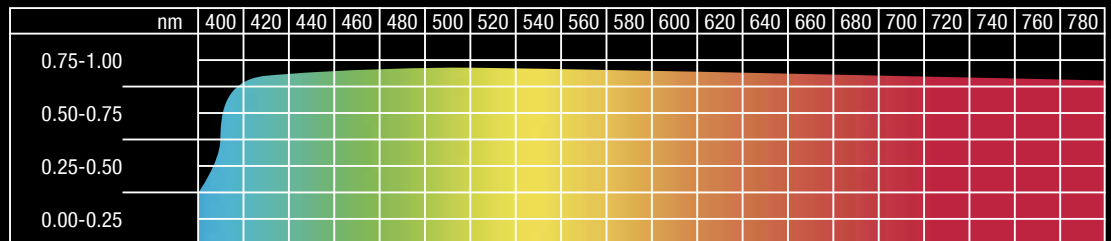
SCENE

The Stable Screen!

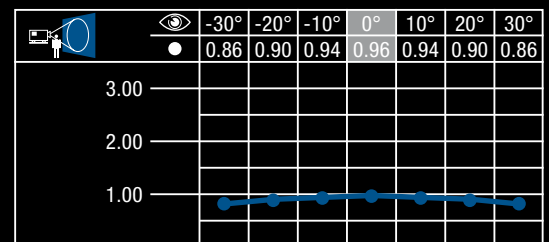
SCENE is an heavy-duty front projection screen with a matte white front surface and a black rear surface. It is 100 % opaque and ideal for use in truss frames, frame systems or in theatres. The screen is compatible with soft-edge blending and has good luminance distribution.

Due to its high dimensional stability, it is used in our roller screen system MEGASCREEN. Because the back side is a smooth uniform surface, the colour black can be used as a special effects front projection surface.

Colour Spectrum Degree of Reflection



| Technical Data | |
|---------------------|--|
| Art.-No. | 2113 0000 |
| Material | PVC |
| Colour | white, rear: black |
| Flame retardant per | EN 13501-1 B-s3, d0 / NFPA 701 |
| Width | approx. 210 cm (83") |
| Weight | approx. 586 g/m ² (17.28 oz/yd ²) |
| Thickness | 0.40 mm |
| Roll length | 200 rm (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | yes |
| Gain | 0.96 |



Front Projection

hbw ConferenceCenter

Description

- Manufacture and installation of a motorized panoramic screen made from front projection screen SCENE for the Europasaal at the hbw ConferenceCenter "Haus der Bayerischen Wirtschaft".
- Total width of panoramic screen approx. 14.0 m (46 ft); it consists of five different independent screen sections each with widths from 2.3 to 3.4 m (7 to 11 ft) but all with a height of 3.0 m (10 ft).
- With the aid of lifting motors installed on the floor above, the projection screen can be lifted up 4.0 m (13 ft) into the ceiling above the Europasaal where a separate technical room was built for the projection elements; the motorized screens can be operated individually or as group to form one solid panoramic projection screen.

General Contractor

Verband der bayerischen Metall- und Elektro-Industrie e. V.

Client

hbw ConferenceCenter / Haus der Bayerischen Wirtschaft
www.hbw.de

Location

Munich / Germany





Project Video





FRONT PROJECTION SCREENS

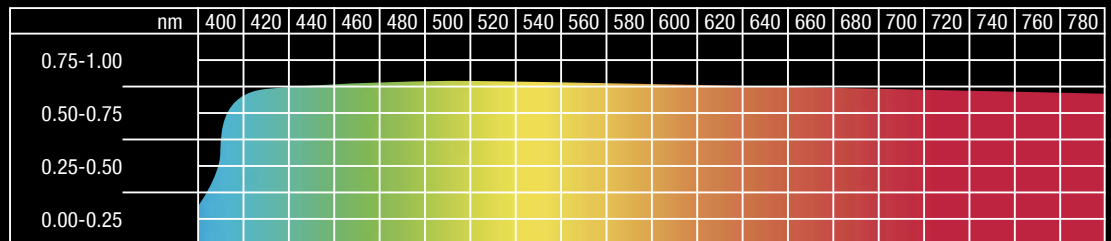
SCENE PERFORATED

The Stable Screen with Sound Transmission!

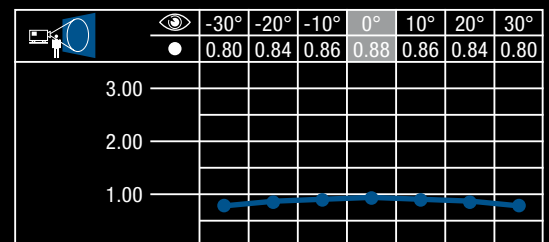
The front projection screen SCENE PERFORATED has the same technical features and applications as the SCENE screen along with being perforated for sound transmission.

With a perforation of 57,000 holes per square meter (37 holes per square inch), a perforation diameter of 1.25 mm and approximately 7 % perforation area, the perforated projection screen SCENE PERFORATED appears as a solid surface at just a few meters of viewing distance. For shorter viewing distances, we recommend a microperforated screen.

Colour Spectrum Degree of Reflection



| Technical Data | |
|----------------------|--|
| Art.-No. | 2113 1000 |
| Material | PVC |
| Colour | white, rear: black |
| Flame retardant per | EN 13501-1 B-s3, d0 / NFPA 701 |
| Width | approx. 210 cm (79") |
| Weight | approx. 560 g/m ² (16.52 oz/yd ²) |
| Thickness | 0.40 mm |
| Roll length | 200 rm (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Perforation area | 7 % |
| Perforation count | 57,000/m ² |
| Perforation diameter | 1.25 mm |
| Gain | 0.88 |



Front Projection

NFM National Forum of Music

Description

- Manufacture and installation of a MEGASCREEN roller screen system with a total structural width of 14.0 m (46 ft).
- The screen is made from front projection screen SCENE PERFORATED.

General Contractor

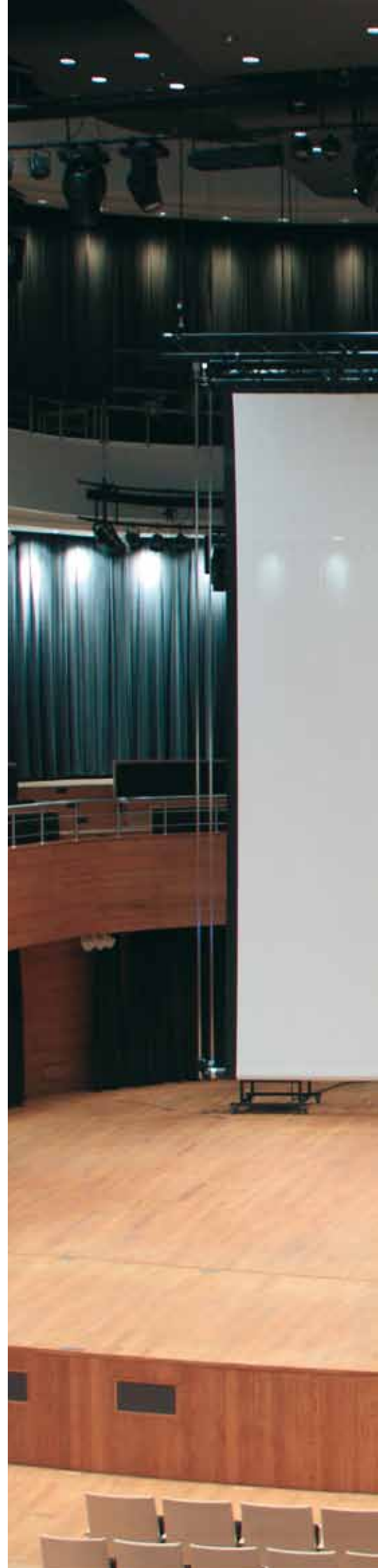
Awaco Project Sp. z o.o.

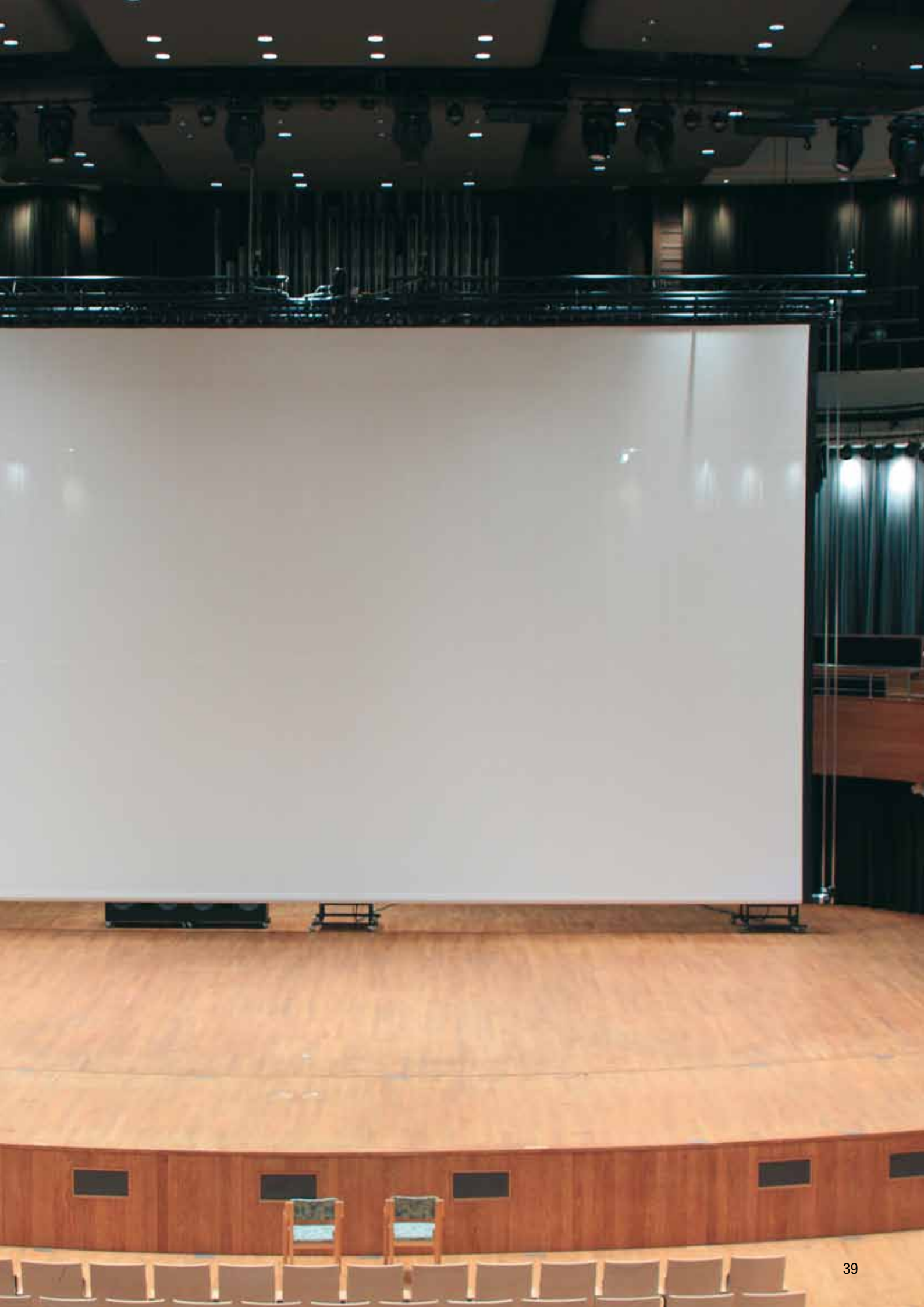
Client

National Forum of Music

Location

Breslau / Poland







//Photo: Fraunhofer-IAF / Front Projection Screen GREYSCREEN

FRONT PROJECTION SCREENS

GREYSCREEN

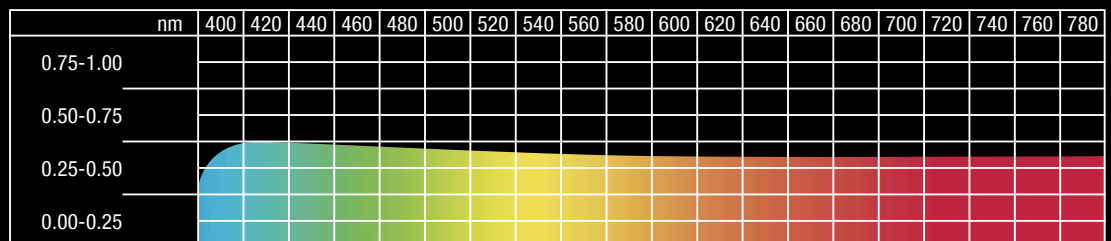
The Text and Presentation Screen!

GREYSCREEN is a nearly opaque screen with lower luminance factor than white front projection screens. This limits the amount of stray unwanted reflective ambient light from the screen.

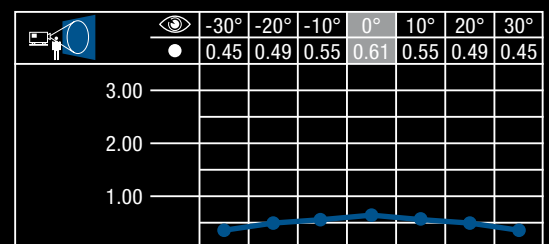
Applications include brighter environments such as conference rooms, taking advantage of the lower reflection qualities in the screen to reduce reflections of stray light. The grey surface of the screen also boosts the black levels and makes it an ideal screen for text presentations.

Greyscreen is also often used when front projection in the shape of a dome is required. The lower reflectivity and matte nature of the screen reduce unpleasant back reflections inherent in dome projections.

Colour Spectrum Degree of Reflection



| Technical Data | |
|---------------------|--|
| Art.-No. | 2114 0000 |
| Material | PVC |
| Colour | grey |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 210 cm (83") |
| Weight | approx. 444 g/m ² (13.10 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 200 rm (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Gain | 0.61 |



Front Projection

Bosch Dreams

Description

- Manufacture of a backdrop made from front projection screen GREYSCREEN for the contemporary circus show "Bosch Dreams".
- Dimensions of projection screen: 12.0 x 7.0 m (39 x 23 ft).

Producers

Les 7 doigts de la Main / Theatre Republique

Client

Createx DK

Location

Internationale Tour







[PROJECTION SCREENS]

FRONT PROJECTION SCREENS

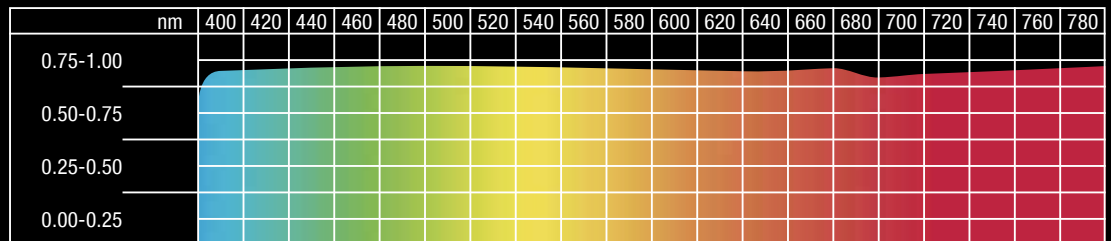
OPERA® WHITE

The Classic Screen!

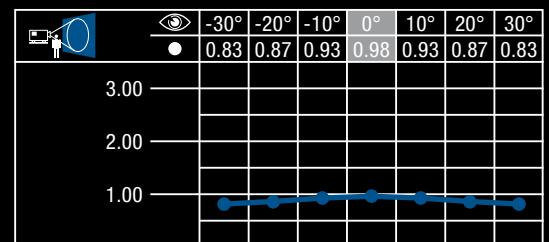
OPERA® WHITE is the classic Gerriets pure white front projection screen with a gain of 0.98 although it is not opaque.

It is a tough all-round screen, suitable for both full-screen and full-frame soft-edge projections. It is typically used in theatres and cinemas.

Colour Spectrum Degree of Reflection



| Technical Data | |
|---------------------|--|
| Art.-No. | 2115 0000 |
| Material | PVC |
| Colour | white |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 300 rm (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Gain | 0.98 |



Front Projection

Telekom Austria A1

Description

- A projection wall made from front projection screen OPERA® WHITE.
- It is considered one of the largest edge blended projections that have been undertaken thus far.
- Dimensions of projection screen: 145.0 x 8.5 m (476 x 28 ft).

Concept

Agentur Euro RSCG Vienna

Technical Consultant

Mediasolution Veranstaltungstechnik

Project Director

Richard Hazod

Client

Telekom Austria

Location

Vienna / Austria







//Photo: BMW / CargoLifter-Halle – Krausnick, Germany / Front Projection Screen OPERA® WHITE PERFORATED

FRONT PROJECTION SCREENS

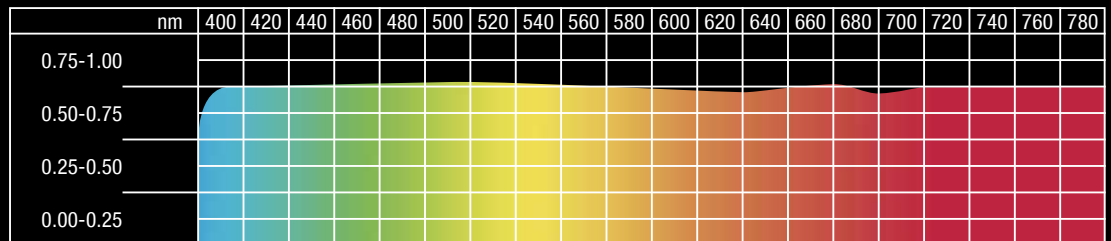
OPERA® WHITE PERFORATED

The Classic Screen with Sound Transmission!

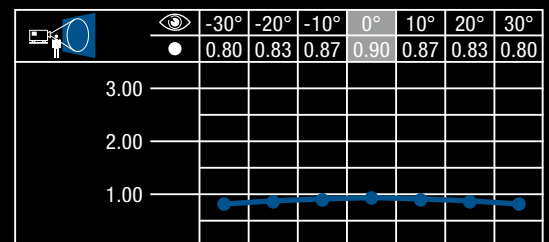
The OPERA® WHITE PERFORATED front projection screen is the same as the OPERA WHITE, but with perforation for sound transmission. OPERA® WHITE PERFORATED is often used in cinemas and in home cinemas, since loudspeakers can be placed behind the projection screen without muffling the sound or disturbing the screen surface.

With a perforation of 57,000 holes per square meter (37 holes per square inch), a perforation diameter of 1.25 mm and approximately 7 % perforation area, the OPERA® WHITE PERFORATED screens appear as a solid surface with just a few meters of viewing distance. For shorter viewing distances, we recommend a microperforated screen.

Colour Spectrum Degree of Reflection



| Technical Data | |
|----------------------|---|
| Art.-No. | 2115 1000 |
| Material | PVC |
| Colour | white |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 200 cm (78") |
| Weight | approx. 390 g/m² (11,50 oz/yd²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Perforation area | 7 % |
| Perforation count | 57,000/m² (37/in²) |
| Perforation diameter | 1.25 mm |
| Gain | 0.90 |



Front Projection

Cinema Jenin

Description

- Manufacture of a projection screen made from OPERA® WHITE PERFORATED with KING track system.
- Manufacture and installation of a TRUMPF 95 motorized curtain track system for the main curtains made from red ASCONA velour.
- Manufacture and installation of a motorized top and bottom masking system with curtains made from black ASCONA velour.
- Materials were donated to help reconstruct a historic cinema in Jenin, a town with no movie theatre since 1987.
- More information at www.cinemajenin.org.

Project Director / Designer

Ismail Khatib / Markus Vetter

Client

Project Cinema Jenin

Location

Jenin / Palestine







//Photo: Landtag NRW, Bernd Schälte / Parliament North Rhine-Westphalia – Düsseldorf, Germany / Front Projection Screen OPERA® WHITE MICRO PERFORATED

FRONT PROJECTION SCREENS

OPERA® WHITE MICRO PERFORATED

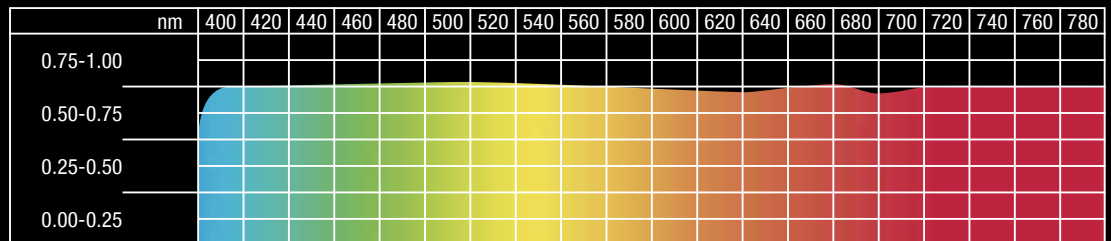
The Classic Screen with Sound Transmission for Up Close Viewing!

The OPERA® WHITE MICRO PERFORATED front projection screen is the same as the OPERA® WHITE, but with micro perforation for sound transmission.

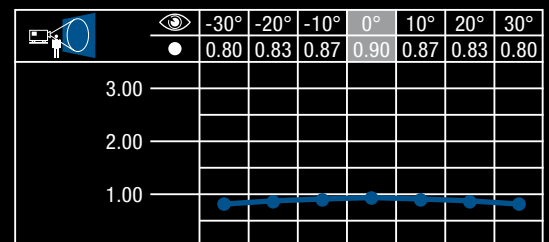
OPERA® WHITE MICRO PERFORATED is often used in screening rooms and in home cinemas, since, as with the OPERA® WHITE PERFORATED, loudspeakers can be placed behind the projection screen, but can be viewed at much closer distances than the more economical standard perforated screen.

With 300,000 holes (0.50 mm diameter) per square meter (195 per square inch) and a perforation area of 6 %, it works very well to allow the passage of sound though the screen, while allowing for close up viewing due to the extremely small size of the perforations.

Colour Spectrum Degree of Reflection



| Technical Data | |
|----------------------|---|
| Art.-No. | 2115 2000 |
| Material | PVC |
| Colour | white |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 200 cm (79") |
| Weight | approx. 400 g/m² (11.80 oz/yd²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Perforation area | 6 % |
| Perforation count | 300,000/m² (195/in²) |
| Perforation diameter | 0.50 mm |
| Gain | 0.90 |



Front Projection

Parliament North Rhine-Westphalia

Description

- Manufacture of a 240° panoramic screen made from front projection screen OPERA® WHITE MICRO PERFORATED for the new multimedia visitor centre of the parliament of North Rhine-Westphalia.
- Planning and development of custom projection screen frame for the project.
- At eight kiosks, visitors can interactively call up information that then appears on the panoramic screen by utilizing multiple projectors.
- Dimensions of the panoramic screen: 28.4 x 5.2 m (93 x 17 ft).

Client

Parliament Nordrhein-Westfalen

Location

Düsseldorf / Germany







//Photo: Xi'an Concert Hall / Xi'an Quijiang Philharmonic – Xi'an, China / Front Projection Screen OPERA® HIGH GAIN

[PROJECTION SCREENS]

FRONT PROJECTION SCREENS

OPERA® HIGH GAIN

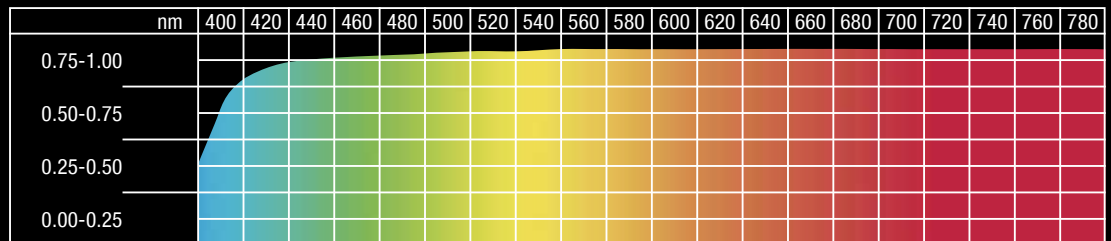
The Highly Reflective Screen!

OPERA® HIGH GAIN is a 99 % opaque, reversible front projection screen with a matte-white surface on one side and a high gain pearlescent surface on the other.

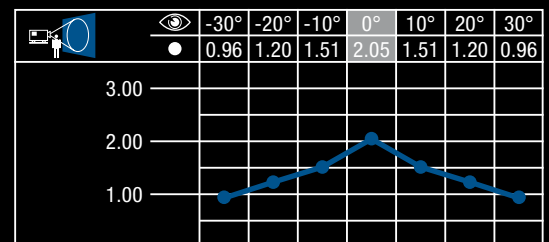
The pearlescent surface has exceptional reflective values, provides a smooth luminance distribution despite its high gain and is suitable for some 3D projections.

The matte-white surface has a new surface structure making it particularly suitable for 4K projections.

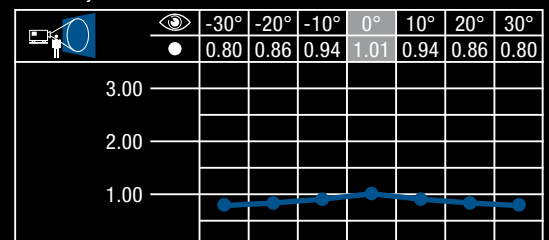
Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2115 3000 |
| Material | PVC |
| Colour | pearl, rear: white |
| Flame retardant per | DIN 4102 B1 / NFPA 701 |
| Width | approx. 210 cm (83") |
| Weight | approx. 543 g/m ² (16.01 oz/yd ²) |
| Thickness | 0.38 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D + D |
| Opaque | 99 % |
| Gain | Front Side: 2.05 Rear Side: 1.01 |



Front Projection / Front Side



Front Projection / Rear Side

Mamma Mia!

Description

- Stage production of musical "Mamma Mia!" with the aid of the front projection screen OPERA® HIGH GAIN.
- Projection screen was used as oversized moon and was manufactured as a circular screen.

Client

Staatstheater Stuttgart

Location

Stuttgart / Germany







[PROJECTION SCREENS]

FRONT PROJECTION SCREENS

SILVERBLACK

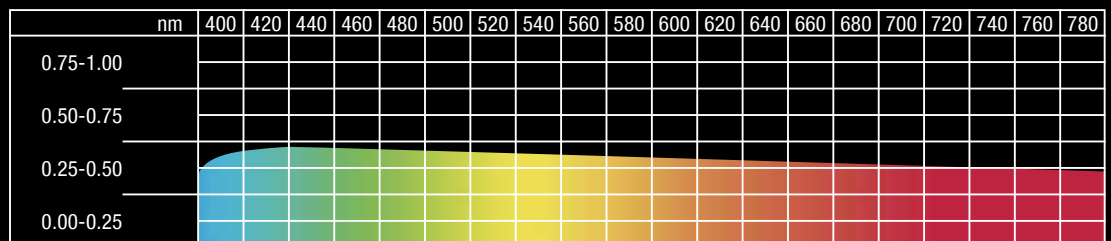
The Multi-Purpose Screen!

A truly unique high-performance screen, SILVERBLACK is a 99.9 % opaque reversible front projection screen with a high gain silver surface on one side and a flat black surface on the other.

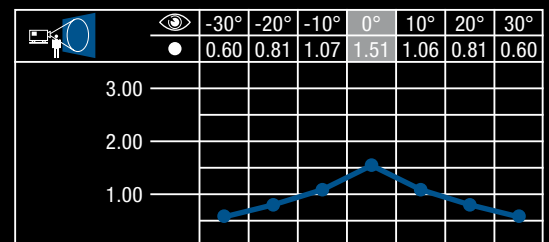
The silver side produces brilliant images with excellent colour contrast, has a great luminance distribution and is suitable for 3D and special effect projections.

The black side has been reformulated with a new surface structure particularly suited for 4K projection.

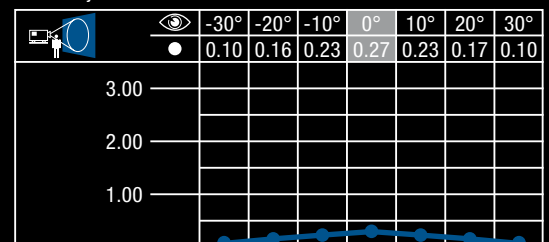
Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2117 0000 |
| Material | PVC |
| Colour | silver, rear: black |
| Flame retardant per | DIN 4102 B1 / NFPA 701 |
| Width | approx. 210 cm (83") |
| Weight | approx. 507 g/m ² (14.95 oz/yd ²) |
| Thickness | 0.39 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection |
| Screen type | D + D |
| Opaque | yes |
| Gain | Front Side: 1.51 Rear Side: 0.27 |



Front Projection / Front Side



Front Projection / Rear Side



//Photo: Johan Perrson / West Side Story – World Tour / Front and Rear Projection Screen OPERA® CREAMY WHITE

[PROJECTION SCREENS]

FRONT AND REAR PROJECTION SCREENS

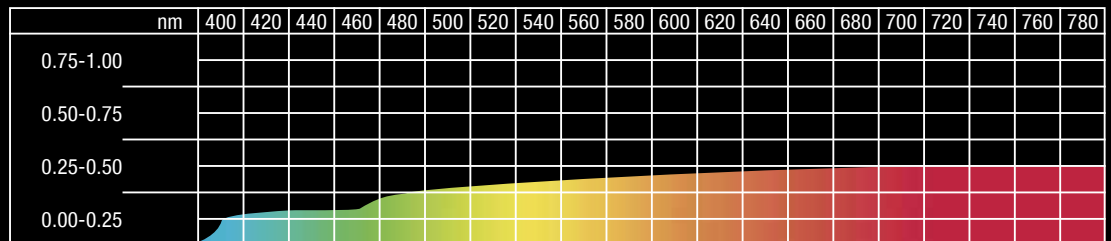
OPERA® CREAMY WHITE

The All Purpose Screen!

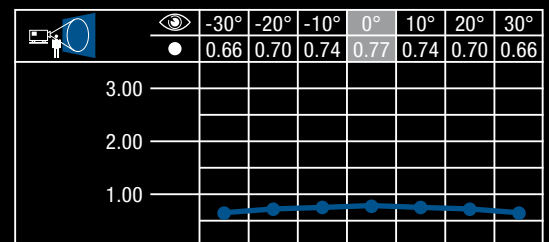
OPERA® CREAMY WHITE is a front and rear projection screen that features excellent luminance distribution, robust construction and superb durability.

Applications for this all purpose screen are many and include full stage illuminated and projected backdrops as well as good rear projected edge blending properties.

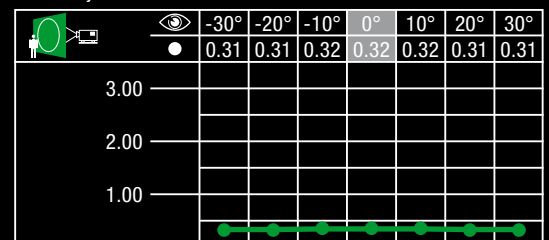
Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2121 0000 |
| Material | PVC |
| Colour | translucent, creamy white |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.77 Rear Projection: 0.32 |



Front Projection



Rear Projection

IFA – Exhibition Stand Samsung

Description

- Manufacture of a projection hallway for the Samsung exhibition stand made from front and rear projection screen OPERA® CREAMY WHITE.
- Dimensions of projection screen: 56.0 x 10.0 m (184 x 33 ft).

General Contractor

Ad Modum GmbH

Client

Samsung

Location

Berlin / Germany







//Photo: Karli Cadel Photography / The Thieving Magpie – Cooperstown, NY USA / Front and Rear Projection Screen OPERA® GREY BLUE

[PROJECTION SCREENS]

FRONT AND REAR PROJECTION SCREENS

OPERA® GREY BLUE

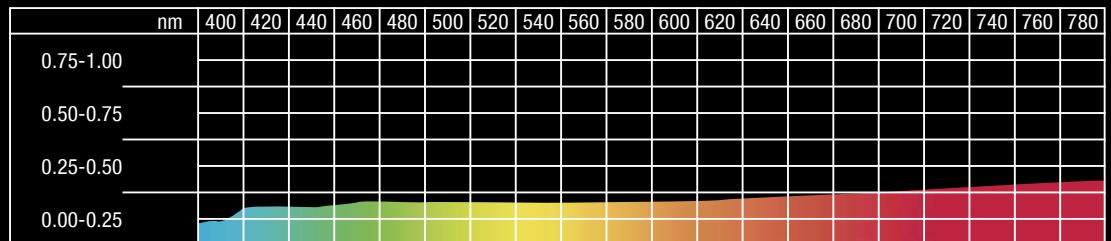
The Horizon Screen!

The front and rear projection screen OPERA® GREY BLUE has similar quality and characteristics as our classic OPERA® CREAMY WHITE, producing excellent luminance distribution but with a slightly cooler colour temperature.

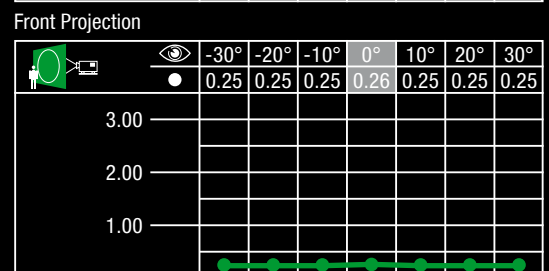
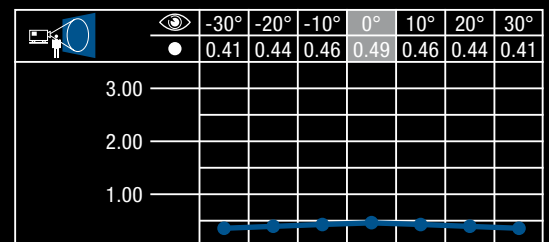
The colour temperature of the screen allows for more accurate colour representation with only a slight loss of luminosity while maintaining even luminosity across a wide viewing cone.

Applications include full stage illuminated and projected backdrops as well as excellent rear projected edge blending properties due to its evenly distributed rear gain of 0.26.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2122 0000 |
| Material | PVC |
| Colour | grey blue |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.49 Rear Projection: 0.26 |



She Stoops to Conquer

Description

- Manufacture of a backdrop made from painted front and rear projection screen OPERA® GREY BLUE for the theatre comedy "She Stoops to Conquer".
- Dimensions of the painted projection screen: 25.0 x 9.0 m (82 x 30 ft).

Designer

Mark Thompson

Stage Direction

Jamie Lloyd

Light Design

Neil Austin

Client

National Theatre

Location

London / Great Britain







//Photo: Gretjen Helene Photography / Crossing – Cambridge, MA USA / Front and Rear Projection Screen SHOW®

[PROJECTION SCREENS]

FRONT AND REAR PROJECTION SCREENS

SHOW®

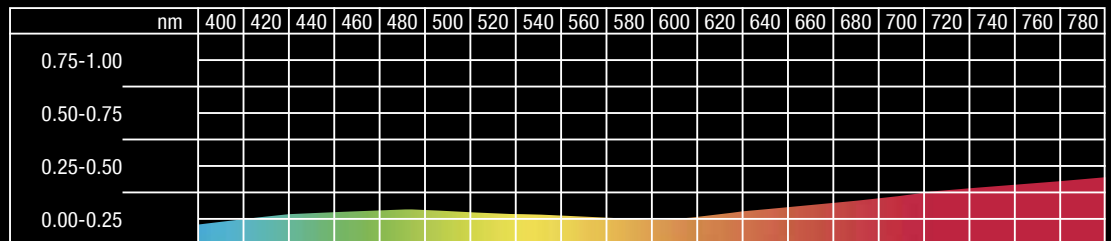
The High Contrast Screen!

SHOW® is a black front and rear projection screen and due to its dark colour, it absorbs unwanted stray ambient light very well thus producing brilliant colour contrast and depth of field.

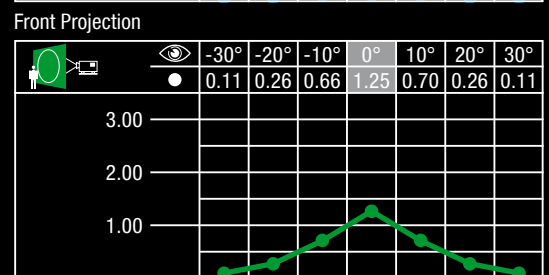
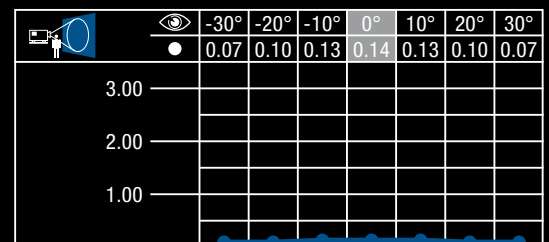
It has a narrow field of view that makes it only suitable for narrow viewing angles, this makes it perfect for use as a stage backdrop when not projected upon.

It is often used as an effects screen for laser projections and in subtitle systems. Not recommended for edge blending.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2123 0000 |
| Material | PVC |
| Colour | translucent, black |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.14 Rear Projection: 1.25 |



Rear Projection

Nabucco

Description

- Manufacture of a backdrop made from front and rear projection screen SHOW® for the opera "Nabucco" by Giuseppe Verdi.
- Dimensions of projection screen: 26.5 x 12.0 m (87 x 40 ft).

Director

François Racine

Technical Director

Chris Reay

Video

Robert Bonniol

Set Design

Robert Schaub

Client

Seattle Opera

Location

Seattle, WA / USA



Who has ever gone down to utter defeat,
trusting to God in the end?





//Photo: Atomic Design / Robin Hood Foundation – New York, NY USA / Front and Rear Projection Screen STUDIO®

[PROJECTION SCREENS]

FRONT AND REAR PROJECTION SCREENS

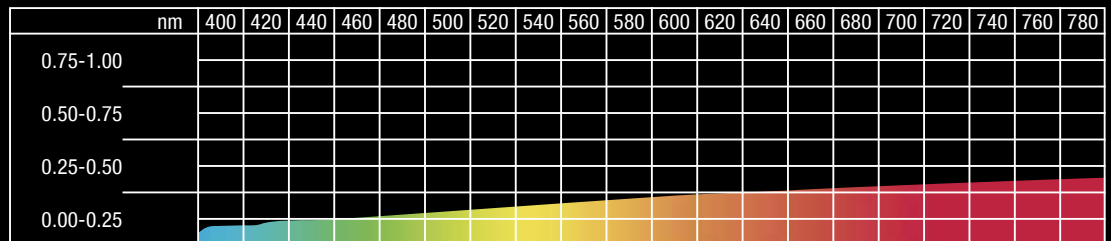
STUDIO®

The Inconspicuous Screen!

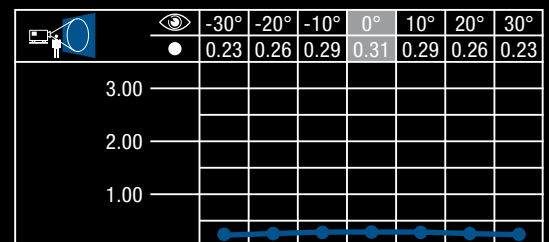
STUDIO® is primarily used for theatrical and opera use on stage.

It is resistant to scattered and ambient light while maintaining good light distribution. Due to the high diffusion performance, STUDIO® is good for edge blending projections, for use as an illuminated background or as a background screen for light effects.

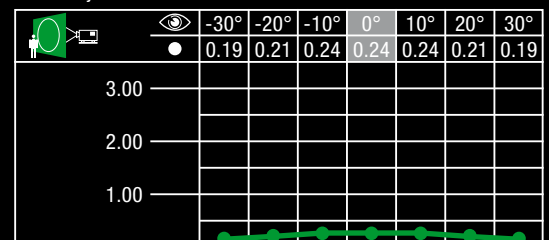
Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2124 0000 |
| Material | PVC |
| Colour | grey |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.31 Rear Projection: 0.24 |



Front Projection



Rear Projection

Khôra

Description

- Manufacture of projection strips made from front and rear projection screen STUDIO® for the dance production "Khôra".
- Number of strips: 900 pieces.

Concept, Choreography and Direction

Nanine Linning

Stage, Costume and Video

Bart Hess

Client

Theater und Orchester Heidelberg

Location

Heidelberg / Germany





Project Video





// Photo: Exhibition Stand Hilsa – Bale, Switzerland / Front and Rear Projection Screen REVUE

FRONT AND REAR PROJECTION SCREENS

REVUE

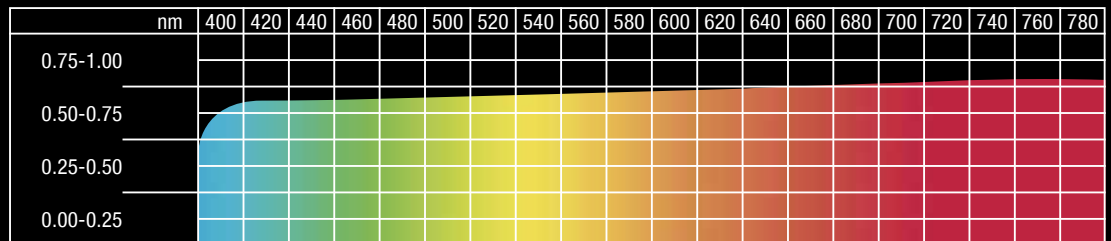
The Backlight Screen!

REVUE is a frosted transparent front and rear projection screen which is ideally used as a diffusion screen in front of low definition LED screens or as an effect screen in theatrical applications.

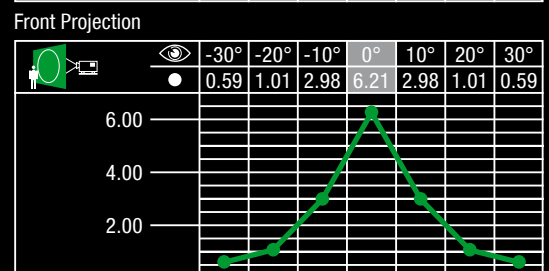
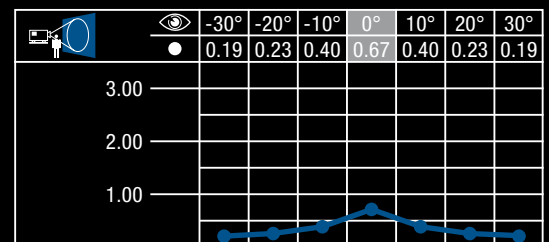
In low light conditions, it tends to "hot-spot" when rear projected. REVUE is not suitable for soft-edge projections.

Other applications include diffusers under lighting fixtures or ceiling elements and as a rear illuminated digital print.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2125 0000 |
| Material | PVC |
| Colour | transparent matt |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 300 m (328.1 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.67 Rear Projection: 6.21 |



Rear Projection

IAA – Exhibition Stand Opel

Description

- Trade show booth of the automobile manufacturer Opel during the trade fair IAA Commercial Vehicles in Frankfurt.
- Media walls and light columns made from the rear projection screen OPTITRANS® and from the front and rear projection screen REVUE.

Client

Ambrosius

Location

Frankfurt / Germany







FRONT AND REAR PROJECTION SCREENS

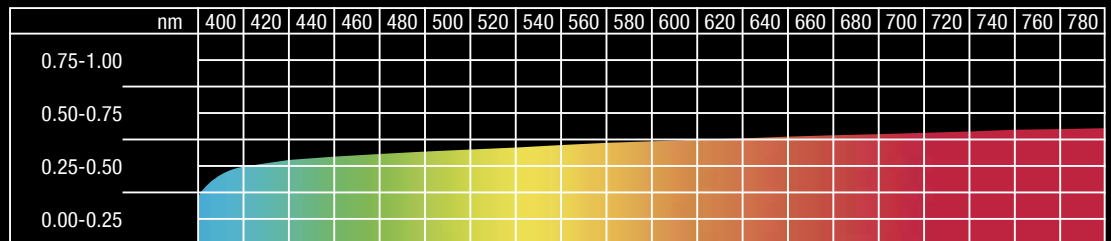
EVEN

The Soft-Edge Blending Screen!

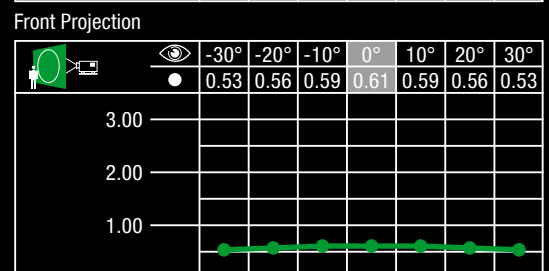
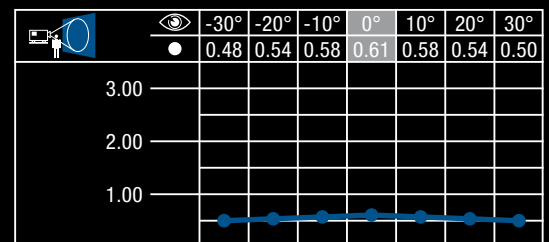
EVEN is a front and rear projection screen that is bright and durable with nearly identical luminance on both front and rear surfaces. It was developed specifically for edge blending applications but is also an excellent screen for full screen projection as well.

As compared to OPERA® CREAMY WHITE, it is a brighter screen for rear projection and a has more diffuse white colour making it excellent for edge blending applications for both rear and front projection.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|---|
| Art.-No. | 2127 0000 |
| Material | PVC |
| Colour | white |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 220 cm (87") |
| Weight | approx. 442 g/m ² (13 oz/yd ²) |
| Thickness | 0.33 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.55 Rear Projection: 0.58 |



Rear Projection

Bayer AG

Description

- Large free-floating projection surface made from front and rear projection screen EVEN.
- Dimensions of projection screen: 71.0 x 7.7 m (233 x 26 ft).

Architect / Designer

Wolfram Lusche, Bayer AG

Project Director

Sven Theobald, Bayer AG

Client

Procedes Chenel Beilken Digital
Printing Werbegesellschaft mbH

Location

Cologne / Germany







//Photo: Alexander Roy / Schauspielbühnen Stuttgart – Germany / Front and Rear Projection Screen OPTIBLACK 2.2

FRONT AND REAR PROJECTION SCREENS

OPTIBLACK 2.2

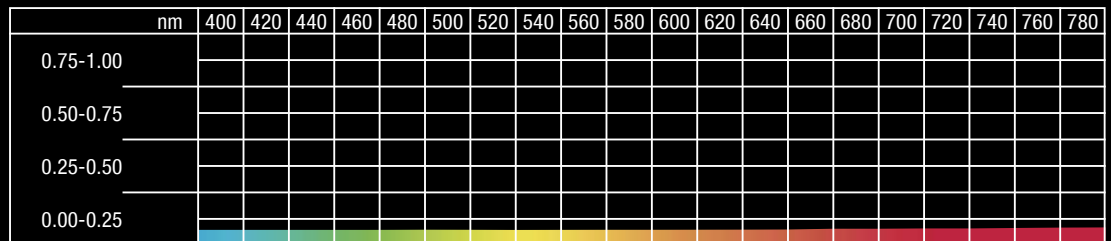
The Disappearing Screen!

OPTIBLACK 2.2 is a front and rear projection screen that produces superior diffusion properties from the rear while at the same time offering low gain, even front projection results.

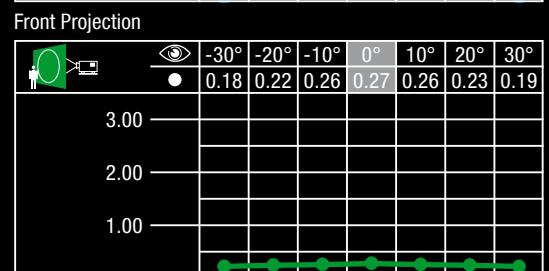
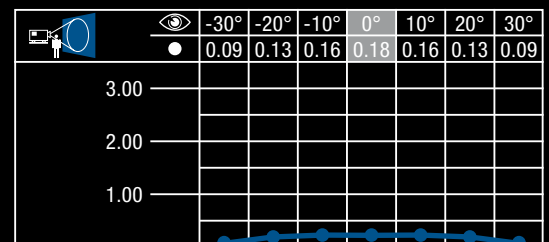
Due to its ideal luminance distribution, OPTIBLACK 2.2 is perfect for edge blending projection in 4K quality and/or wide viewing angles in both front and rear projection and without the worry of hotspotting.

It is frequently used in applications where a dark projection surface is required, such as when you want the screen to easily disappear into the background when not projected upon.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2128 0000 |
| Material | PVC |
| Colour | black |
| Flame retardant per | DIN 4102 B1 |
| Width | approx. 220 cm (87") |
| Weight | approx. 428 g/m ² (12.62 oz/yd ²) |
| Thickness | 0.32 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Front Projection / Rear Projection |
| Screen type | D / R |
| Opaque | no |
| Gain | Front Projection: 0.18 Rear Projection: 0.27 |



Rear Projection

Turandot

Description

- Front and rear projection screen OPTIBLACK 2.2 used as projection screen and as black backdrop for the stage production of the opera "Turandot" by Giacomo Puccini.
- Dimensions of the projection screen: 22.0 x 14.0 m (72 x 50 ft).

Stage Direction

La Fura dels Baus

Client

Bayerische Staatsoper

Location

Munich / Germany



白銀鏡公司

福氣

亨達利鐘表

吳良材眼鏡



//Photo: Juniper Shuey / IMÃ – Bela Horizonte, Brasil / Rear Projection Screen PANORAMA

REAR PROJECTION SCREENS

PANORAMA

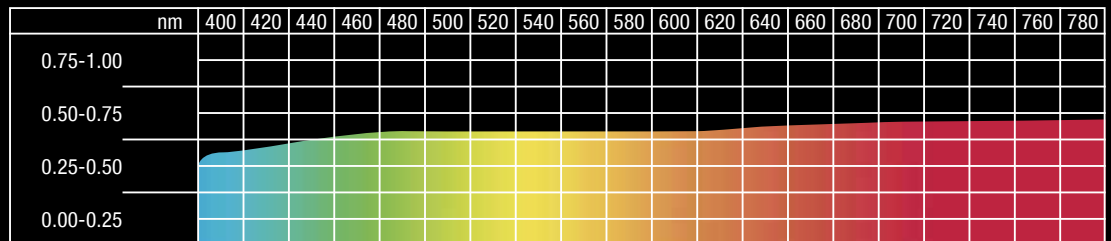
The Wide Width Screen!

Due to its 3.05 m (120 in) width, PANORAMA is an ideal choice for seamless 4:3 and 16:9 format screens.

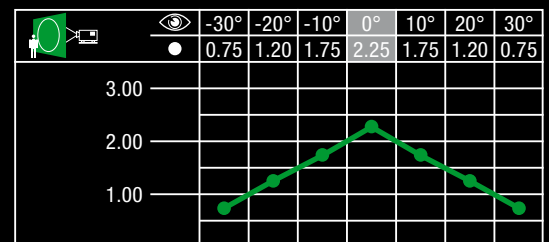
It is a wide width grey rear projection screen yielding high contrast images and is less sensitive to scattered and ambient light.

PANORAMA is best used for full-screen projections. For soft-edge blending projections, a short distance between the projector and the projection screen should be avoided.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|---|
| Art.-No. | 2131 0000 |
| Material | PVC |
| Colour | grey |
| Flame retardant per | DIN 4102 B1 / NFPA 701 |
| Width | approx. 305 cm (120") |
| Weight | approx. 336 g/m ² (9.91 oz/yd ²) |
| Thickness | 0.28 mm |
| Roll length | 91 m (99.5 yds) |
| Seaming possible | yes |
| Application | Rear Projection |
| Screen type | R |
| Opaque | no |
| Gain | 2.42 |



Rear Projection

Royal Equestrian and Camel Festival

Description

- Manufacture of a rear projection screen PANORAMA for the festival "Royal Equestrian and Camel" which is celebrated every five years in Muscat in honours of the sultan of Oman.
- Dimensions of the projection screen: 27.0 x 9.0 m (89 x 30 ft).

Light Design

Jerry Appelt

Client

PRG

Location

Muscat / Oman







//Photo: RBB / Radio Brandenburg, Studio 1 – Berlin, Germany / Rear Projection Screen OPTITRANS®

[PROJECTION SCREENS]

REAR PROJECTION SCREENS

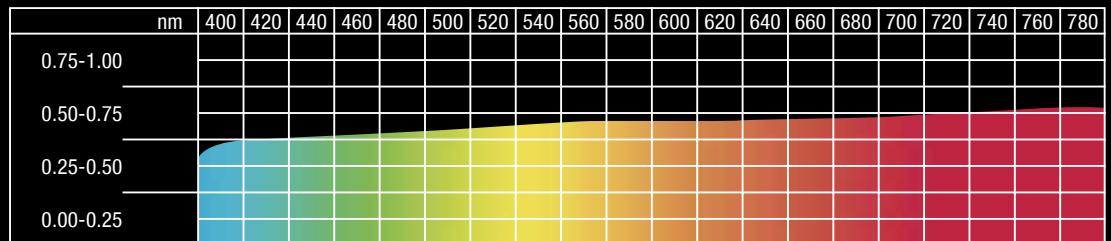
OPTITRANS®

The Top of the Line Screen!

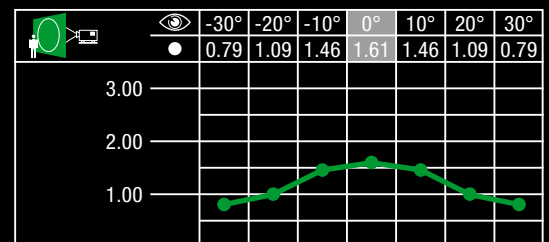
OPTITRANS® is an excellent quality colour neutral rear projection screen that yields bright images within a fairly wide viewing cone.

It has very good diffusion qualities and still maintains good colour contrast. It works impressively well for large scale projection producing stunning results and for full screen projection, it is one of the best screens on the market.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2132 0000 |
| Material | PVC |
| Colour | grey |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 214 cm (84") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.31 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Rear Projection |
| Screen type | R |
| Opaque | no |
| Gain | 1.61 |



Rear Projection

Carmen

Description

- Manufacture of a backdrop made from rear projection screen OPTITRANS® for the open air opera "Carmen".
- Dimensions of the projection screen: 100.0 x 20.0 m (328 x 65 ft).

Client

Beulx

Location

Seoul / South Korea





[WORLD OF SCREENS]



Learn more
about our Gerriets
Screen Solutions!



//Photo: Getty images / Beyoncé Grammy Awards – Los Angeles, CA USA / Special Projection Gauze Holo-Gauze®





//Photo: Ulrich Kunkel / World Expo, German Pavillon – Shanghai, China / Rear Projection Screen OPTILUX

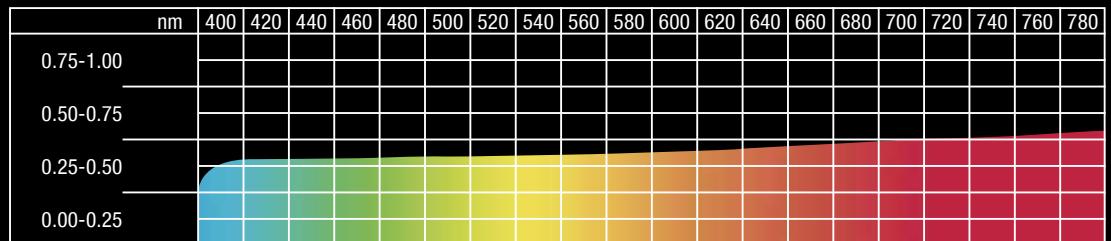
REAR PROJECTION SCREENS

OPTILUX

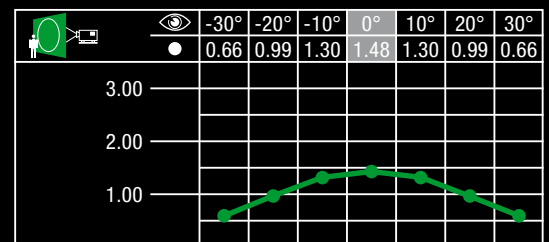
The Optimal High Contrast Screen!

OPTILUX is a rear projection screen that's a more economical choice as compared to OPTITRANS®. It has similar characteristics but is slightly darker in colour thus making it less sensitive to unwanted stray ambient light. Colour contrast is good but brightness is a little less compared to OPTITRANS®.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2133 0000 |
| Material | PVC |
| Colour | grey |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 210 cm (87") |
| Weight | approx. 414 g/m ² (12.39 oz/yd ²) |
| Thickness | 0.30 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Rear Projection |
| Screen type | R |
| Opaque | no |
| Gain | 1.48 |



Rear Projection

Shadowland

Description

- Manufacture of an OPTILUX rear projection screen used to catch the shadows of the dancers during the performance.
- Dimensions of projection screen: 8.3 x 7.9 m (27 x 26 ft).

Technical Director

Shane Mongar

Client

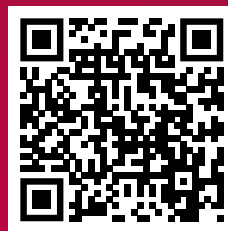
Pilobolus Dance Theatre

Location

World Tour

//Photo: Courtesy of Pilobolus





Project Video





//Photo: Despar Systeme AG / RTS Radio Télévision Suisse – Geneva, Switzerland / Rear Projection Screen TRANSMISSION

REAR PROJECTION SCREENS

TRANSMISSION

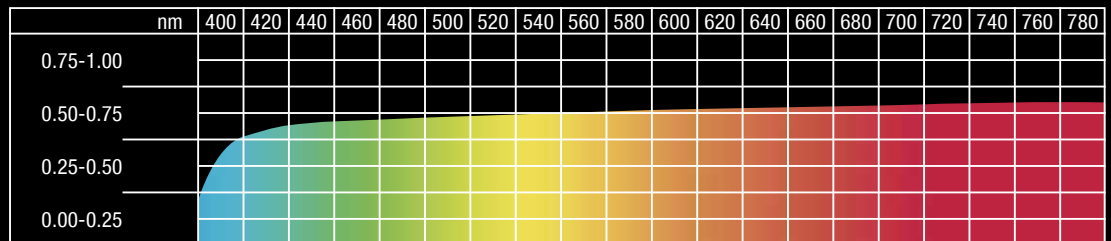
The TV Studio Screen!

TRANSMISSION is a nearly transparent diffusion screen specially designed for LED backlighting. With only a minimal distance between 10-15 cm (4-6 in) required, excellent diffusion of LED panels and walls are possible without obscuring the individual pixels and blending them with the rest of the image.

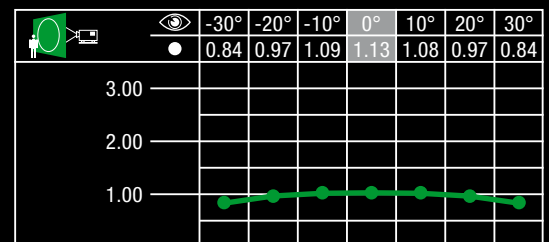
It is used in most new TV studios and depending on the LED technology, this screen can work perfectly for a Chroma Key backdrop.

It works well as a traditional rear projection screen – however, edge blending results can vary.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2135 0000 |
| Material | PVC |
| Colour | cream |
| Flame retardant per | EN 13501-1 B-s3, d0 DIN 4102 B1 / NFPA 701 |
| Width | approx. 214 cm (84") |
| Weight | approx. 375 g/m ² (11.06 oz/yd ²) |
| Thickness | 0.28 mm |
| Roll length | 200 m (218.7 yds) |
| Seaming possible | yes |
| Application | Rear Projection |
| Screen type | R </td |
| Opaque | no |
| Gain | 1.13 |



Rear Projection

The Rake's Progress

Description

- Creation of a giant staircase with backlit steps for the stage design of the opera "The Rake's Progress" by Igor Stravinsky.
- Steps are made with rear projection screen TRANSMISSION installed between two acrylic glass panes and illuminated with LED strips.

Production

Marc Adam

Client

Konzerttheater Bern

Location

Bern / Switzerland







//Photo: Disney's "Newsies" at The Legacy Theatre – Springfield, IL USA / Front Projection Screen ARENA 86

SPECIAL APPLICATION SCREENS

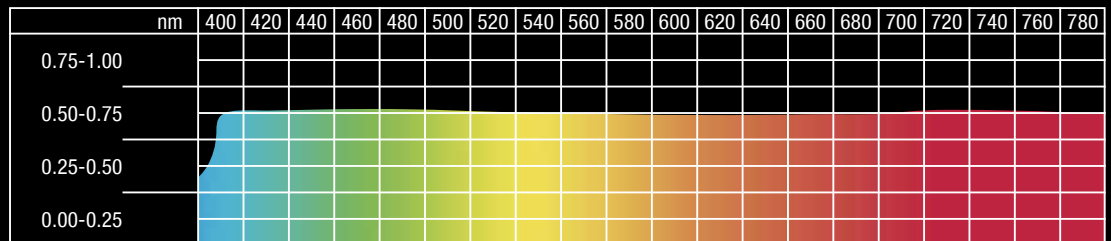
ARENA 86

The Open Air Screen!

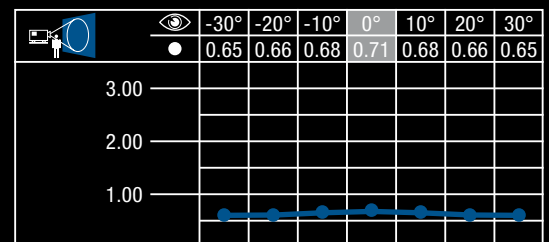
ARENA 86 is a fibre reinforced special application projection screen developed for exterior applications due its exceptional strength and durability. Due to its open "weave" like construction, it is resistant to the "moiré effect".

The surface of ARENA 86 offers a wide viewing angle. And applications include loudspeaker masking, digitally printed signs and used as a screen on open air stages.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|---|
| Art.-No. | 2141- |
| Material | Polyester / PVC |
| Colour | white or dark grey |
| Flame retardant per | DIN 4102 B1 / M1 / NFPA 701 |
| Width | white = 177 cm (70") or 500 cm (16'4") anthrazit = 177 cm (70") |
| Weight | approx. 380 g/m² (11.21 oz/yd²) |
| Thickness | 0.43 mm |
| Roll length | 50 m (54.7 yds) |
| Seaming possible | Overlap seam |
| Application | Front Projection |
| Screen type | D |
| Opaque | no |
| Gain | 0.71 |



Front Projection

H&M New York

Description

- Manufacture and installation of a TUBE roller screen system with a total structural width of approx. 8.0 m (26 ft).
- The screen is a 7.6 x 9.2 m (25 x 30 ft) ARENA 86 semitransparent projection screen.

Contractor

PRG

Client

H&M

Location

New York, NY / USA





JIMMY CHOO

FOR H&M

Bag \$99

H&M



SPECIAL APPLICATION SCREENS

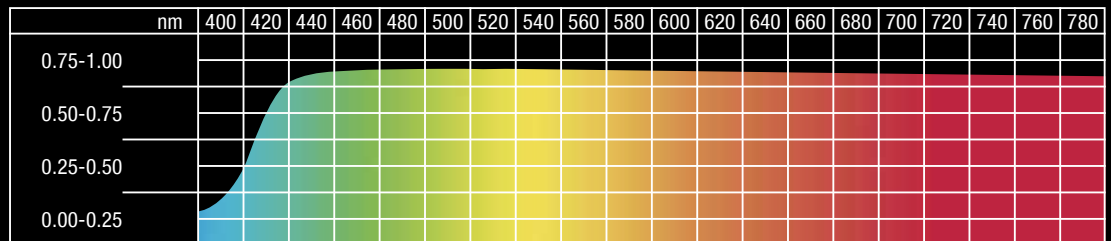
ARCTIC

The Reinforced Screen!

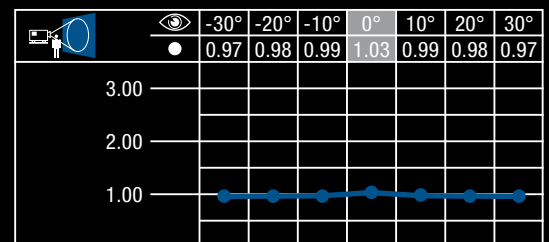
The ARCTIC front projection screen is a fabric-reinforced PVC-free front projection screen with a polyurethane coating.

The front surface is matte white and the back is covered in a light tight black coating. This screen was developed specifically for roller screen systems to ensure the screen will stay as flat as possible over time.

Colour Spectrum Degree of Transmission



| Technical Data | |
|---------------------|--|
| Art.-No. | 2154 0000 |
| Material | Polyester / PU |
| Colour | white, rear: black |
| Flame retardant per | DIN 4102 B1 |
| Width | approx. 300 cm (118") |
| Weight | approx. 470 g/m ² (13.86 oz/yd ²) |
| Thickness | 0.45 mm |
| Roll length | 50 m (54.7 yds) |
| Seaming possible | no |
| Glueable | yes |
| Application | Front Projection |
| Screen type | D |
| Opaque | yes |
| Gain | 1.03 |



Front Projection



SPECIAL APPLICATION SCREENS

FROST

The Diffusion Film with Frost Effect!

A great diffusion film for large scale LED walls and video screens. When used in conjunction with a LED wall, the film reacts to the brighter aspects of the media while rendered darker effects remain in the background, creating a slight 3D effect.

The FROST PVC diffusion film is designed for special effects and is not a traditional projection screen.

| Technical Data | |
|---------------------|--|
| Art.-No. | 1464 1001 |
| Material | PVC |
| Colour | translucent-matte |
| Flame retardant per | DIN 4102 B1 / NFPA 701 |
| Width | approx. 140 cm (55") |
| Weight | approx. 385 g/m ² (11.35 oz/yd ²) |
| Thickness | 0.30 mm |
| Stücklänge | approx. 100 m (109.4 yds) |

Terrell Place Lobby

Description

- Creation of a more harmonious interior and a contemporary, exciting work destination at the office and retail complex Terrell Place. Transformation of the space by treating it as a single media canvas.
- Eleven finished diffusion screens made from FROST, the largest being 24.0 x 4.0 m (78 x 13 ft).
- The FROST diffusion film picks up the bright aspects of the media while the darker aspects sit in the background creating a 3D effect.
- Distance between LED wall and FROST diffusion film: approx. 2"; Pixel Pitch: 5.7 mm.

Designer

ESI Design

Installation

Cinematic Interiors, Howard Friedman

Client

Terrell Place

Location

Washington D.C. / USA





Project Video



TERRELL PL
575 7th St



//Photo: Studio Hamburg MCI Werkstätten / Saudi TV Channel – Riad, Saudi Arabia / Projection Screen OPERA® PRINT

[PROJECTION SCREENS]

SPECIAL APPLICATION SCREENS

OPERA® Print

The Printed and Backlit Screen!

Both our OPERA® CREAMY WHITE and REVUE can be digitally printed with almost any custom design. This allows for large backlit photorealistic backdrops on stage as well as for backlit signage in exhibits and trade shows.

| Technical Data | | |
|---------------------|--|--|
| Artikel | OPERA® CREAMY WHITE | REVUE |
| Art.-No. | 2121 0000 | 2125 0000 |
| Material | PVC | PVC |
| Colour | translucent, creamy white | translucent, frosted |
| Flame retardant per | EN 13501-1 B-s3, d0 / DIN 4102 B1 / NFPA 701 | EN 13501-1 B-s3, d0 / DIN 4102 B1 / NFPA 701 |
| Width | approx. 202 cm (80") | approx. 202 cm (80") |
| Weight | approx. 400 g/m ² (11.80 oz/yd ²) | approx. 400 g/m ² (11.80 oz/yd ²) |
| Thickness | 0.30 mm | 0.30 mm |
| Roll length | 300 m (328.1 yds) | 300 m (328.1 yds) |
| Seaming possible | yes | yes |
| Application | Front Projection / Rear Projection | Front Projection / Rear Projection |
| Screen type | D / R | D / R |
| Opaque | no | no |
| Gain | Front Projection: 0.77 / Rear Projection: 0.32 | Front Projection: 0.67 / Rear Projection: 6.21 |

Opernhaus Zürich

Description

- Creation of the stage production with the aid of projection screen OPERA® PRINT.
- Auditorium is transported to another, but realistic world via selective and complete backlighting on the imprinted OPERA® PRINT.

Client

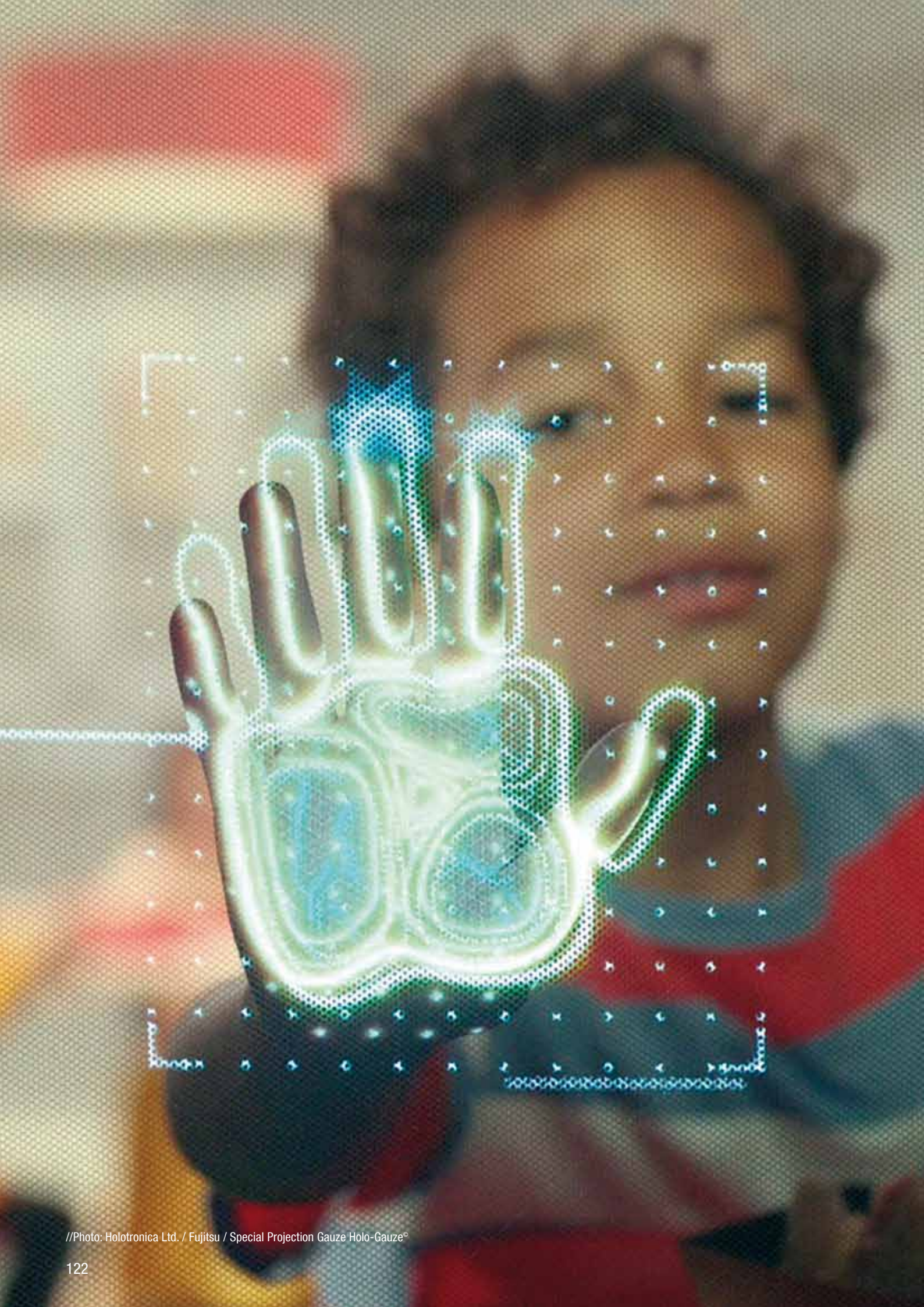
Opernhaus Zürich

Location

Zurich / Switzerland







[VISUAL EFFECTS]

In recent years, stage productions and special events have become increasingly visually demanding.

The new, unique and unprecedented are sought after. Viewers crave new sights and experiences, the audience wants to immerse themselves in unknown and mystical worlds.

Want to astonish your audience with magical moments and make an unforgettable experience at your event? Then have a look at our exclusive Visual Effect series with the special 3D gauze Holo-Gauze®, the highly transparent glass and window projection screen INVISCREEN® and the special effect film PEPPER'S GHOST.



//Photo: Holotronica Ltd. / Light Falls / Special Projection Gauze Holo-Gauze®

[VISUAL EFFECTS]

Holo-Gauze®

The Original!

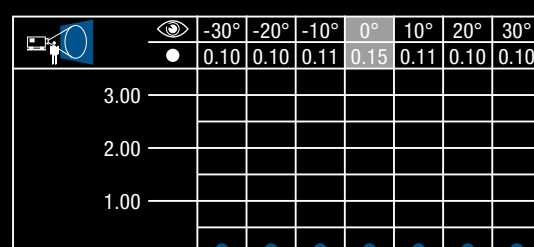
Spectacular 3D projections are now created easier than ever before with the innovative and ultra-lightweight projection gauze. From hologram effects to real, three-dimensional projections with polarizing filters – the original Holo-Gauze® performs superbly in any 3D application.

The projection gauze is easy to handle, flame retardant B1 according to DIN 4102-1, ultra-transparent, highly reflective and polarization-preserving and can be found exclusively at the sales department of Gerriets.

Holo-Gauze® can be used in many areas and due to its easy handling, it is suitable for theatre productions, music festivals, product launches, museum and exhibition installations, as well as for virtual 3D worlds and for real-time effects in film and TV.

Holo-Gauze® – the one and only!

| Technical Data | | | | | | | | |
|---------------------|-------------------------------|--|--|--|--|--|--|--|
| Art.-No. | 2143 0000 | | | | | | | |
| Material | Polyamid / silver | | | | | | | |
| Colour | grey-silver | | | | | | | |
| Flame retardant per | DIN 4102-1 B1 | | | | | | | |
| Width | approx. 480 cm (15'9") | | | | | | | |
| Weight | approx. 17 g/m² (0.50 oz/yd²) | | | | | | | |
| Roll length | 48 m (52.5 yds) | | | | | | | |
| Gain | 0.15 | | | | | | | |



Front Projection

Launch Event Samsung Gear S3

Description

- Launch of Samsung smartwatch Gear S3 with the aid of the special 3D projection gauze Holo-Gauze®.
- Smartwatch Gear S3 presented as large 3D projection.

Concept

PRG

Client

Samsung

Venue

Berlin Tempodrom

Location

Berlin / Germany





Project Video





//Photo: Presented by NAKED Inc. / Glass and window projection screen INVISCREEEN®

[VISUAL EFFECTS]

INVISCREEN®

The Transparent Screen!

The self-adhering and highly transparent INVISCREEN® projection screen transforms glass and window panels into projection surfaces. Due to the crystal-clear nature of the screen, INVISCREEN® is not visible during the day. At night or in dark rooms one can project onto the highly transparent polyester screen.

In permanent installations, INVISCREEN® is particularly suitable for high end restaurants, hotels, amusement parks, museums, exhibition construction, trade fairs and cruise ships. INVISCREEN® is an excellent choice for retail display windows as well as for temporary and special events.

INVISCREEN® is available in front or rear projection versions in both standard and high brightness options.

None is as transparent as INVISCREEN®!

| Technical Data | | | | |
|------------------------------------|------------------------|----------------------|-----------------|----------------------|
| Typ | Front Projection | | Rear Projection | |
| Grade | Transparent | High Brightness | Transparent | High Brightness |
| Adhesive type | Strong adhesion | | | |
| Model | INVISCREEN®-FP | INVISCREEN®-FP/HB *4 | INVISCREEN®-RP | INVISCREEN®-RP/HB *4 |
| Total film thickness *1 | 105 µm | | | |
| Thickness of base material of film | 75 µm | | | |
| Roll width | approx. 1,200 mm (47") | | | |
| Roll length *2 | 20 m (21.9 yds) | | | |
| UV shield *3 | • | | | |
| Abrasion resistance hard coating | • | | | |

•: Available.

*1: Total film thickness - Thickness of the film excluding the release film.

*2: Roll length - Order is accepted by 1 m at your request.

*3: UV shield - A product that alleviates sunburn (medium brown) of items by blocking ultraviolet ray.

*4: HB - High brightness screens have a higher haze value than the standard screens. This makes the high brightness screens a little less transparent, but provide a brighter projected image.

Nagoya TV Tower

Description

- Manufacture of a transparent projection screen INVISCREEN® for the night time projection show at the observation deck of Nagoya TV Tower.

Client

Nagoya TV Tower

Location

Nagoya / Japan





Project Video





//Photo: IP Deutschland / FOURSCREEN live – Roadshow of Mediengruppe RTL Deutschland / Presenter: IP Deutschland GmbH /
Creative Concept and Production Management: HEAD OF EVENT GmbH / Technical Realization: tennagels Medientechnik GmbH, Gerriets GmbH

[VISUAL EFFECTS]

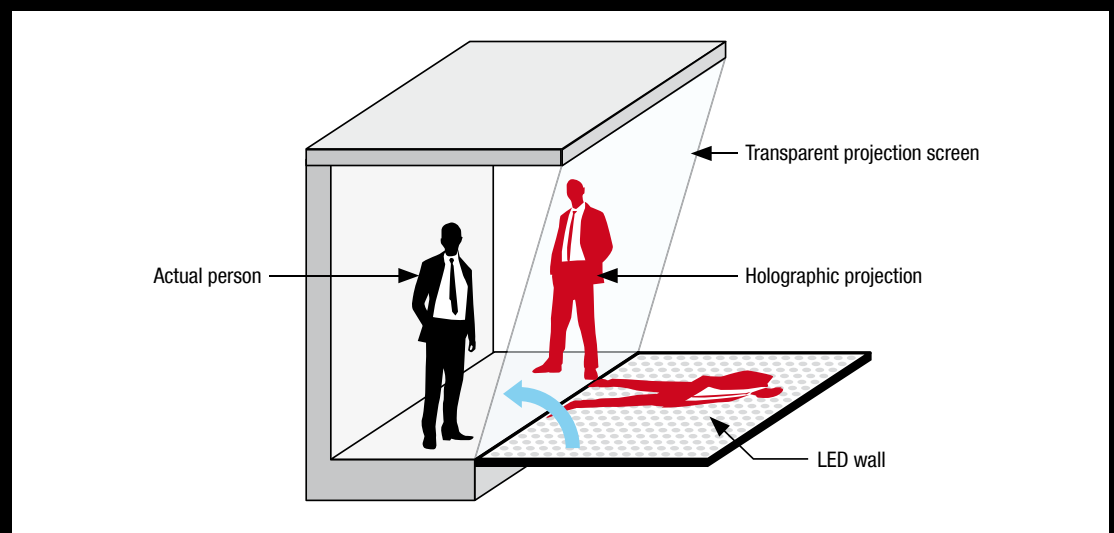
PEPPER'S GHOST

The Perfect Illusion!

Texts floating in mid air – images that stand out in front of the scenery – movies that are within grasp. With our special effect film PEPPER'S GHOST, you create a presentation that attracts everyone's attention.

The desired animation is projected onto a horizontal LED wall and mirrored onto the PEPPER'S GHOST screen mounted at an angle of 45°. The audience only sees the illusion, the film is invisible.

| Technical Data | |
|----------------|---|
| Art.-No. | 2142 0000 |
| Material | Polyethylen |
| Colour | transparent |
| Width | approx. 395 cm (12'12") |
| Weight | approx. 140 g/m ² (4.13 oz/yd ²) |
| Thickness | 0.43 mm |
| Roll length | 500 rm (546.8 yds) |



FOURSCREEN live – Roadshow RTL

Description

- Use of holographic projections during the FOURSCREEN live presentation in the context of the roadshow of the RTL Mediengruppe Deutschland.
- Technical realization of holograms with the aid of the special effect film PEPPER'S GHOST.

Presenter

IP Deutschland GmbH

Creative Concept and Production Management

HEAD OF EVENT GmbH

Technical Realization

tennagels Medientechnik GmbH / Gerriets GmbH

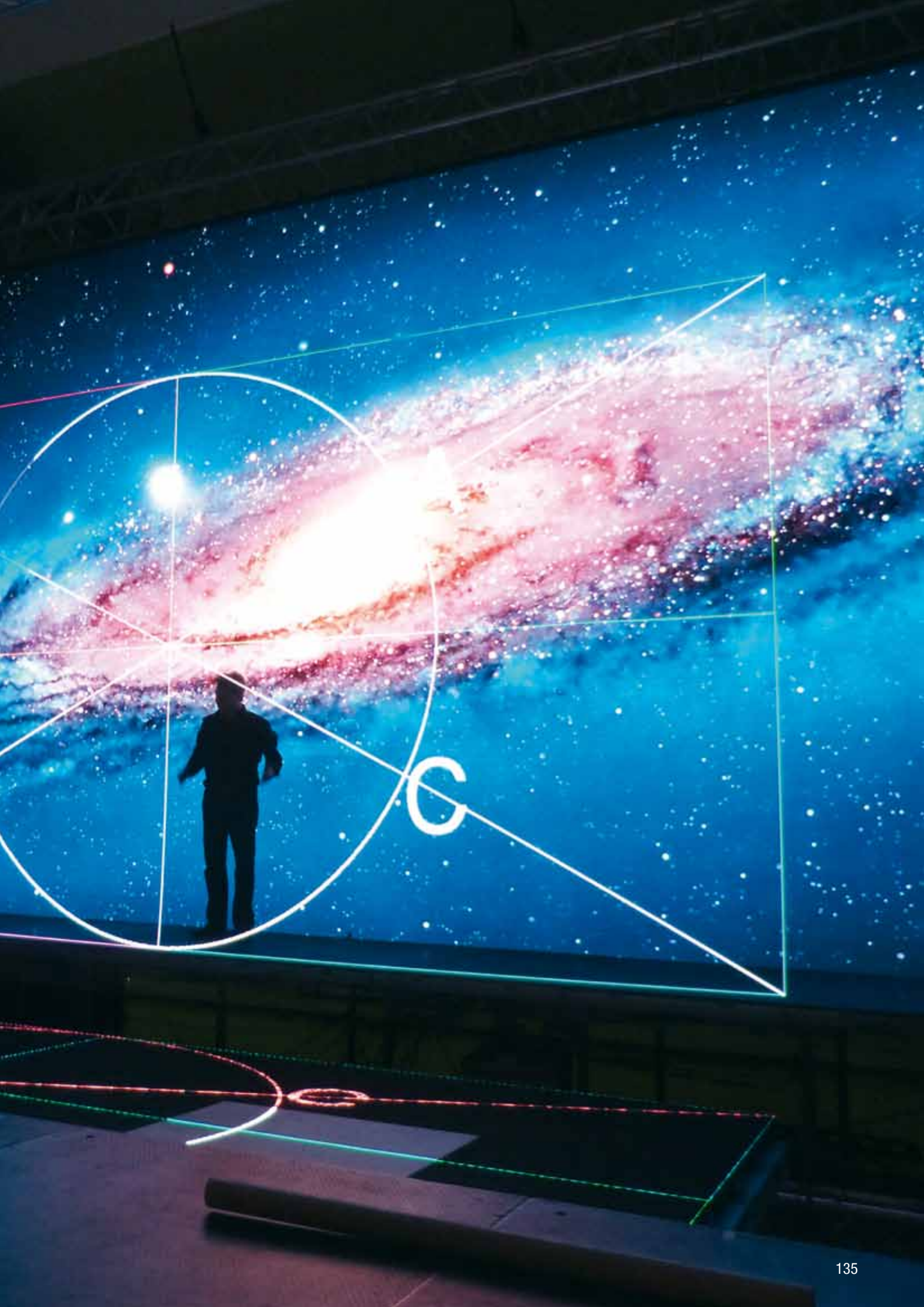
Client

tennagels Medientechnik GmbH

Location

Hamburg, Frankfurt, Düsseldorf, Munich / Germany







//Photo: ES Devlin / Adele – World Tour / 8 Point Sharkstooth ISOLDE BW

[PROJECTION FABRICS]

PVC projection films are not always the best choice. For some applications, our projection textiles are much better.

The event textile RIPSTOP is often used in the outdoor sector when, due to extreme temperatures, our PVC films reach their load limit, for example at a snowboard world championship in the mountains.

With our bobbinet gauzes and sharktooth scrims, muslins and stretch fabrics, as well as numerous event textiles, our fabrics allow you to bring your productions to life in a special way.

PROJECTION FABRIC GLOSSARY

In theatres, operas or for special events, scrims and semi-transparent nets and gauzes are often used to create exciting optical effects. Semi-transparent materials can be opaque and appear completely transparent the next moment, depending on the lighting situation.

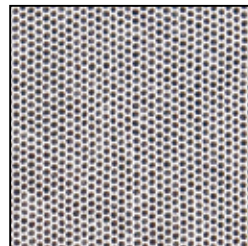
When trying to create the best possible projected image that magically disappears and becomes transparent, a fabric with a tighter weave pattern works better than fabrics with more open weave patterns. The success of this effect is based upon the relationship of lighting levels in front and behind the scrim. When projecting on the front of the scrim, there should be no illumination behind it. This provides the illusion that the scrim is an opaque solid "wall". When light begins to illuminate the objects behind the scrim and the front projected images are dimmed out, the magic "bleed-through" effect happens and thus the scrim becomes transparent.

These characteristics can be effectively achieved with high-contrast projections where in bright areas, the projection materializes on the fabric, creating an opaque image, while the dark areas reveal a clear view of the space behind the fabric.

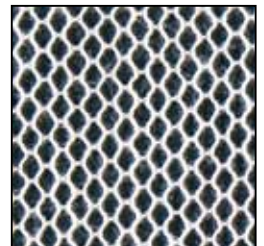
The strength of the effect depends on many factors:

The viewing distance in relationship to the opening size of the weave

- 1 The closer together the threads are in a scrim fabric, the better the projection quality will be. Anything behind the scrim will nearly disappear and the more convincing the effect will be when the lighting change happens.
- 2 The further the threads are apart, the less convincing the effect will be transitioning from "solid wall" to "transparent wall".



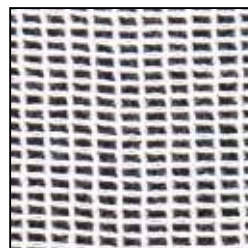
1



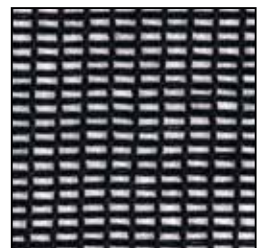
2

The physical colour of the fabric is very important in relationship to the projected image

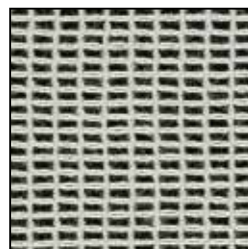
- 1 A white colour fabric in a dark environment has a very good projection quality but has a harder time "disappearing" once the effect changes because of its light colour.
- 2 A black colour fabric disappears very well in a dark environment but the projection quality can be dim and contrast ratio poor.
- 3 A grey colour scrim is a very good compromise thus producing a good quality image and still "disappearing" to an acceptable level in a dark environment.



1



2

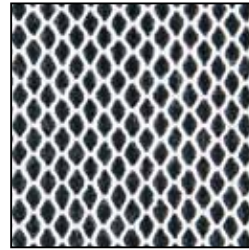


3

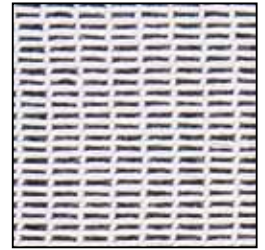
PROJECTION FABRIC GLOSSARY

The weave of the fabrics is also important

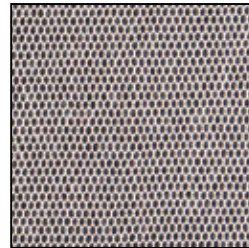
- 1 Gauzes/bobbinets have a honeycomb weave pattern that make them very transparent. They also take less of a projected image due to their open weave. However, because of the open weave, the transition to "transparency" works quite well. One important aspect to keep in mind is that due to the open weave, the structural integrity of the fabric, especially in large full stage sizes, is compromised and a large amount of unpredictable stretch within the fabric can happen in the form of "hour glassing" at the sides and "smile" or "frown" at the bottom edge.
- 2 Sharktooth scrim has a tighter weave pattern that is favourable for a better projection quality compared to vision gauzes/bobbinets. However, due to their higher density, they tend to not "disappear" quite as well as gauzes/bobbinets, but still make a convincing effect. One of the benefits of using sharktooth scrim over gauze/bobbinet is that it is a more stable fabric and usually hangs much nicer in a full stage environment.
- 3 In addition to gauze/bobbinet and sharktooth scrim, cine gauze is also available to create the same effect in a close-up viewing situation.



1



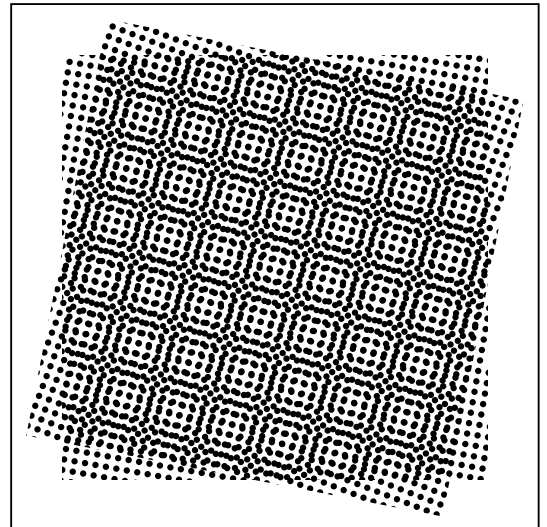
2



3

Moiré effect on tulle

- Most projectors produce moiré effects on the tulle in unflattering ways. Most of the time, however, these moiré effects occur at short throw projection distances or at a very high resolution.



Assembly of projection textiles

- For a crisp, clean image projected onto a fabric, you must make sure fabric is in the correct fibre direction and has as few visible seams as possible. Irregular stretching of the fabric can also lead to an inconsistent image, as well as wrinkles or material changes due to improper handling or storage. Small changes in the fibre structure, such as moisture or pressure points, can also significantly affect the quality of the image.



ZSAEP Experience

Description

- Use of a AIRSCREEN system for the "ZSAEP-EXPERIENCE", a freeski event.
- Projection surface made from event textile RIPSTOP.
- Dimensions of the projection textile: 6.1 x 3.4 m (20 x 11 ft).

Client

AIRSCREEN

Location

Flachau / Austria





Prometheus / Egmont

Description

- Manufacture of a cubic projection surface for the stage design of "Prometheus / Egmont".
- Gauze made from 6 point sharkstooth FALSTAFF 1190.
- Side face of the cube: 5.0 x 4.6 m (17 x 15 ft); upper face of the cube: 12.0 x 10.6 m (39 x 35 ft).

Designer

Vanessa Eder-Messutat

Client

Ruhrfestspiele

Location

Recklinghausen / Germany





Ina Müller

Description

- The tour used five STRATUS festoon systems each with a 3.0 x 8.0 m (10 x 26 ft) lifting curtain made from grey 8 point sharkstooth ISOLDE CS.
- Manufacture of four additional 8.0 x 8.0 m (26 x 26 ft) curtains made from the same sharkstooth scrim.
- Manufacture of a 16.0 x 8.0 m (52 x 26 ft) cyclorama made from GAMMALUX® front projection screen.

Light Design

Ollie Olma

Client

Tour Service Lichtdesign Detlev Götz KG

Location

Germany Tour





McDonald's Children's Aid Gala

Description

- Scenic features for the McDonald's Children's Aid Gala in the Albert Schultz ice rink with the theme "The Ice Princess".
- Trevira CS VOILE and molton were suspended from the roof and the icebergs were made from MEGASTRETCH 215.
- Manufacture of a 60.0 x 9.0 m (197 x 30 ft) front projection screen OPERA® WHITE.

Client

currycom communication

Location

Vienna / Austria







[FRAME SYSTEMS]

Whether for touring applications or for permanent installations, with our frame systems VARIO, MONOBLOX, DECOFRAME, FULLWHITE, and CURVE, we are sure to have the right frame system for every application.

[FRAME SYSTEMS]

MONOBLOX

MONOBLOX 32 – Portable Small and Medium Size Screen System

This system is ideal for applications that require quick assembly and disassembly.

Frames are available in several one-piece standard sizes and screen formats. Perfect for mobile presentation and rental companies.

The frames are available in silver and black anodized.

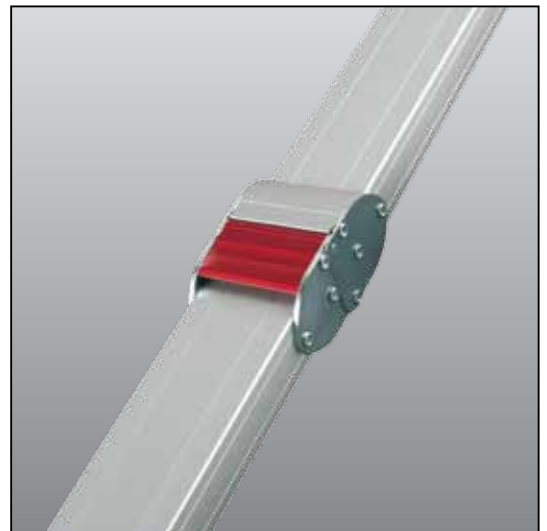


MONOBLOX 64 – Portable Large Size Systems

This system combines convenient operational features such as maximum stability and compact storage.

Perfect choice for professional, large format projection applications. MONOBLOX 64 uses a heavy-duty aluminum frame 64 x 32 mm (2.52" x 1.26") to optimize safety of large installations.

The frames are available in silver and black anodized.



Technical Data

| Article | MONOBLOX 32 | MONOBLOX 64 |
|----------------|--|---|
| Profile Size | 32 x 32 mm (1.26" x 1.26") | 64 x 32 mm (2.52" x 1.26") |
| Profile Weight | 0.6 kg/m (6.5 oz/ft) | 0.96 kg/m (10.3 oz/ft) |
| Sizes | from 203 x 157 cm (6'8" x 5'2") up to 508 x 386 cm (16'8" x 12'8") | from 386 x 249 cm (12'8" x 8'2") up to 752 x 569 cm (24'8" x 18'8") |
| Frame Colours | Silver / Black Anodized | |
| Application | Front Projection / Rear Projection | |

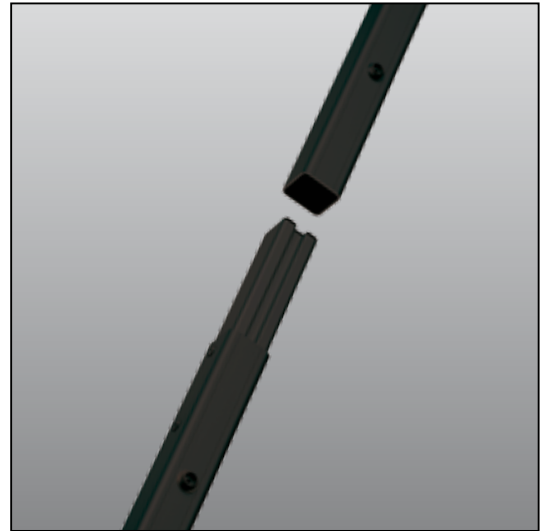
[FRAME SYSTEMS]

VARIO

VARIO 32 – Portable Small and Medium Size Systems

The efficient combination of plug-in and folding sections allows VARIO 32 to be used as a base frame for a variety of different screen formats. Only the frame and corresponding screen are necessary to assemble systems quickly and easily. The system is expandable from the universal frame size 210 x 210 cm (6'11" x 6'11") up to the super panorama format 600 x 300 cm (19'7" x 9'10").

The frames are available in silver and black anodized.



VARIO 64 – Portable Large Size Systems

This frame system with rectangular frame sections allows self supporting spans up to 700 cm (23'0"). By adding additional center supports, sizes up to 1,200 cm x 400 cm (39'4" x 13'1") are possible.

The frames are available in silver and black anodized.



Technical Data

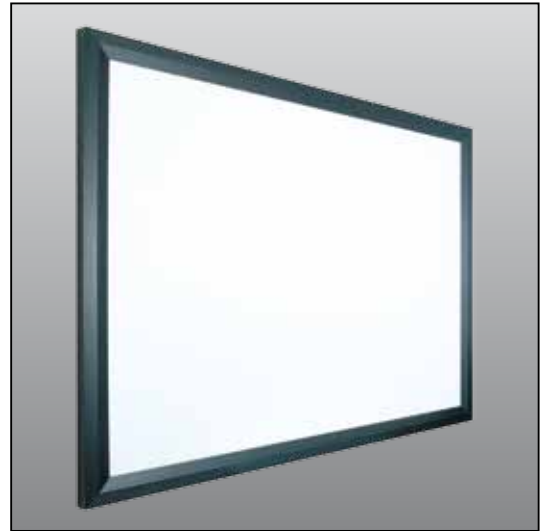
| Article | VARIO 32 | VARIO 64 |
|----------------|--|---|
| Profile Size | 32 x 32 mm (1.26" x 1.26") | 64 x 32 mm (2.52" x 1.26") |
| Profile Weight | 0.6 kg/m (6.5 oz/ft) | 0.96 kg/m (10.3 oz/ft) |
| Sizes | from 210 x 160 cm (6'7" x 4'11") up to 400 x 300 cm (13'1" x 9'8"), and a super panorama format up to 600 x 300 cm (19'7" x 9'10") | from 400 x 300 cm (13'1" x 9'10") up to 800 x 600 cm (26'3" x 19'8"), super panorama format up to 1,200 x 400 cm (39'4" x 13'1") and custom frames up to 2,500 x 600 cm (82'0" x 19'8") |
| Frame Colours | Silver / Black Anodized | |
| Application | Front Projection / Rear Projection | |

[FRAME SYSTEMS]

DECOFRAME & FULLWHITE

DECOFRAME – The Frame System for Wall Mounting

For permanent installations such as home cinemas and conference rooms. Elegantly designed frame. Easy to install: flat and wrinklefree screen surface. The screen surface is attached to the frame with reinforced integral hooks. Precise corners. Special frame design enables perfectly flat screen surfaces.

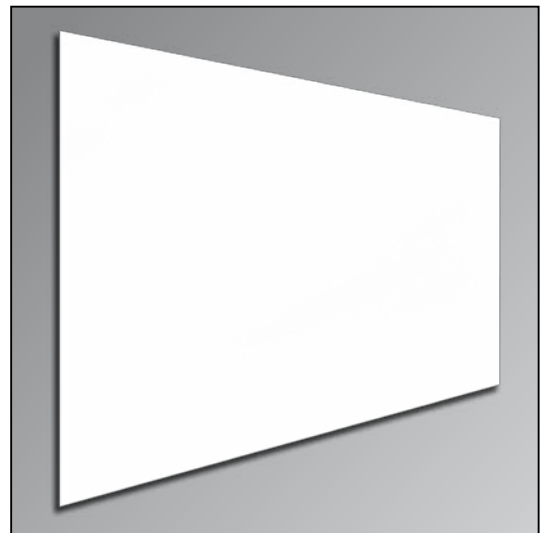


Technical Data

| | |
|--------------|--|
| Profile Size | 80 x 50 mm (3.15" x 1.97") |
| Sizes | from 176 x 106 cm (5'9" x 3'6") up to 516 x 391 cm (16'11" x 12'10") |
| Application | Front Projection |

FULLWHITE – The Frameless Frame System for Wall Mounting

This invisible-frame system is perfect for applications requiring a pristine modern look. The projection surface wraps around the frame and attaches to the backside so that the screen appears to be frameless. As versatile as it is discreet, this mobile system can be mounted vertically or horizontally by way of universal mounting brackets, and the modular "plug-in" frame offers easy portability and adjustable size as well as superior stability and durability. The hollow, extremely rigid trapezoidal frame is concealed by the screen, which wraps smoothly and securely around the frame edges to produce a perfect projection surface – wrinkle-free and evenly tensioned. The screen easily fastens to the backside of the frame with hooks. Internal connection blocks (patent pending) easily and securely link the frame sections together, so it is simple to assemble in varying sizes as needed, and easy to dismantle and transport. The corner sections are precision-manufactured one-piece assemblies that further ensure a stable and durable frame system.



Technical Data

| | |
|--------------|---|
| Profile Size | 104 x 43 mm (4.09" x 1.69") |
| Sizes | from 300 x 170 cm (9'10" x 5'6") up to 600 x 450 cm (19'8" x 14'8") |
| Application | Front Projection |

[FRAME SYSTEMS]

CURVE

CURVE – The Individual Frame System

CURVE is the projection screen system for immersive technology. This modular screen system allows you to create any curve or combination of contiguous curves and flat sections.

Use CURVE for simulators, panoramic displays, museum installations and countless other applications. Be inspired!

System Components

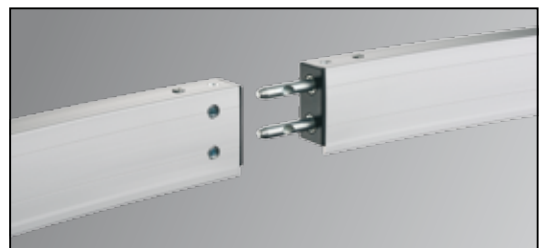
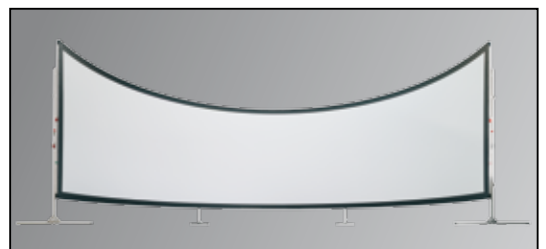
The projection screen system CURVE consists of 64 x 32 mm (2.52" x 1.26") plug-in frame elements with pin-connections. Vertical supports are included to eliminate horizontal deflection and to guarantee maximum frame stability. The standardized modular frame design allows for easy "no tool" assembly and comfortable transport. The CURVE is typically set up on legs, but can be optionally equipped with hanging points for "flying" installations. The projection surface comes with special designed hooks to simplify its mounting and guarantees a tight fitting to the curved frame.

Specifications

- Bending radius on custom request, min. 300 cm (9'8").
- Height up to 400 cm (13'1").
- Mounting solutions with legs or suspension points for "flying" installation.
- Screen surface with specially designed hooks for easy mounting.
- Several front projection materials available.
- 64 x 32 mm (2.52" x 1.26") plug-in frame system with connection-pins.

Sizes

- Custom-made product.
- The appropriate radius of your CURVE will be determined by several factors.
- Please contact us for your individual offer.



Konzerthaus Freiburg

Description

- Frame system VARIO in use at the Konzerthaus Freiburg.

Client

Freiburg Wirtschaft Touristik und Messe GmbH & Co. KG

Location

Freiburg / Germany





Fraunhofer-IAF

Description

- Frame system FULLWHITE in use at the Fraunhofer Institute for Applied Solid State Physics.

Client

Fraunhofer-IAF

Location

Freiburg / Germany







//Photo: Roller Screen System RUNWAY PLUS

[ROLLER SCREEN SYSTEM]

Reliability for Conference Halls and Meeting Rooms!

The roller screen systems RUNWAY 1 and RUNWAY PLUS are ideal as permanently installed projection surfaces.

Applications range from in-house presentations with a small screen, use in conference rooms, and for multifunctional halls. Maximum size for these systems are 1,000 x 600 cm (32 x 20 ft).

The systems are available as a complete package with motor and fabric-reinforced front projection screen and are designed for both wall and ceiling mounting.

[ROLLER SCREEN SYSTEM]

RUNWAY 1

Permanently Installed Small Format Projection Screens

These roller screen systems are designed for large installations with projection sizes up to 500 x 400 cm (16'5" x 13'1"). Standard sizes are an economical solution when a fast delivery time is necessary.

RUNWAY 1 is flameproofed according to DIN 4102 B1, up to 500 cm (16'5") wide. The screen is made from fiber reinforced PVC material. As standard, the motor is mounted on the left side, the screen rolls up on the back side of the roller (**Picture 1**). Consecutive slots at the top side of the housing provide maximum flexibility for mounting.

Details

- Systems are available as manual spring roller, hand crank or motorized.
- Extruded aluminum protective housing with white powder coating according to RAL 9010, white (**Picture 2**).
- Depending on the length of the system, roller tubes are made from aluminum or steel (**Picture 3**).
- Specially designed bearings to ensure reliability.
- Electromagnetic brakes ensure smooth and accurate stops.
- Full braking power available when turned off or during a power failure.
- Fall security on larger systems (more than 5.0 m (16'5") width and 5.0 m (16'5") height).
- Standard screen sizes.
- Depending on design and size, PLANA or STRATO screen is used. Gain of each screen is approx. 1.0.

Projection Screens

Our RUNWAY 1 are equipped with PLANA or STRATO projection surfaces. PLANA screen is a bit thinner and allows more compact housings for screen formats up to 240 cm (7'10") wide.

For formats larger than 240 cm (7'10") wide, STRATO screen is suggested.



Picture 1



Picture 2



Picture 3



Technical Data

| Article | RUNWAY 1 / 250 | RUNWAY 1 / 400 | RUNWAY 1 / 500 |
|--------------|--|--|--|
| Housing Size | 90 x 85 mm (3.54" x 3.35") | 125 x 120 mm (4.92" x 4.72") | 160 x 160 mm (6.30" x 6.30") |
| Sizes | from 160 x 120 cm (5'3" x 3'11") up to 240 x 240 cm (7'10" x 7'10") | from 250 x 250 cm (8'2" x 8'2") up to 400 x 200 cm (13'1" x 6'7") | from 400 x 225 cm (13'1" x 7'5") up to 500 x 400 cm (16'5" x 13'1") |
| Application | Front Projection | | |

[ROLLER SCREEN SYSTEM]

RUNWAY 1

Hand Crank or Spring Roller

Hand Crank

Screens up to 300 x 300 cm (9'10" x 9'10") can be supplied with hand crank. Length of hand crank: 148 cm (58") or 167 cm (66").

Please note:

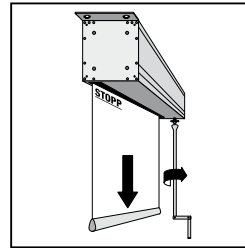
- Do not unroll further than the stop mark (**Picture 1**).
- Do not retract the bottom edge into the housing (**Picture 2**).

Spring Roller

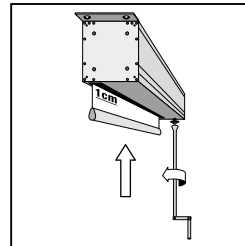
Screens up to 240 x 240 cm (7'10" x 7'10") can be supplied with a spring roller. Length of pull bar: 55 cm (22") or 90 cm (35").

Please note:

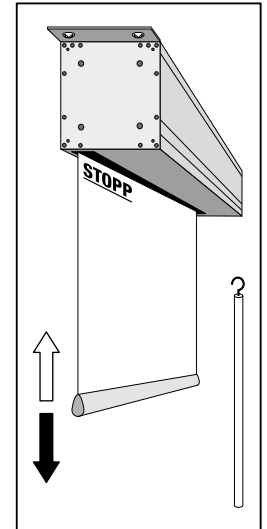
- The screen can be rolled down with or without pull bar. Once the rolling stops, the mechanic stops automatically. Do not unroll the screen further than the stop mark (**Picture 3**).



Picture 1



Picture 2



Picture 3

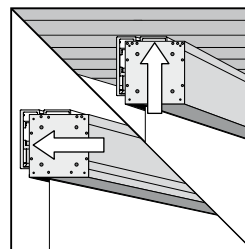
Mounting

Standard:

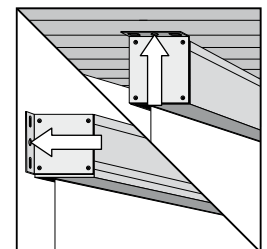
- 1 System RUNWAY 1 / 250 and 400 includes QuickMount mounting brackets for wall or ceiling installation. The mounting brackets are attached to the wall or ceiling and the screen housing is secured to the brackets with bolts.
- 2 System RUNWAY 1 / 500 includes universal mounting brackets for wall or ceiling installation.

Optional:

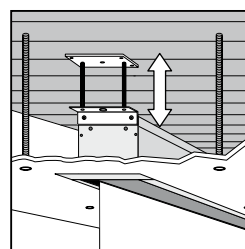
- 3 Mounting kit available for suspended ceilings. Threaded rods enable adjustment.
- 4 Brackets on either side of the screen provide convenient access while mounting/dismounting installations in suspended ceilings.
- 5 Mounting brackets can be used for horizontal (ceiling) or vertical (wall) installations.
- 6 Ceiling bracket: adjustable bracket for ceiling mounting.
- 7 Wall bracket: adjustable bracket for wall mounting (not pictured).



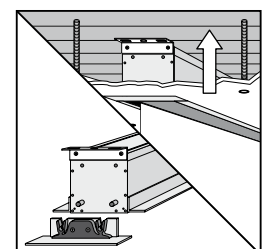
1



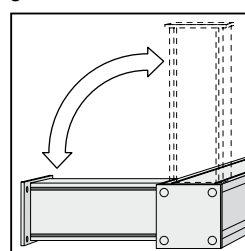
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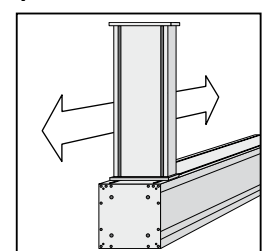
3



4



5



6

[ROLLER SCREEN SYSTEM]

RUNWAY PLUS

The Versatile Projection Screen System for the Conference and Event Sector

RUNWAY PLUS is a high quality professional roller screen system. Compared to RUNWAY 1, RUNWAY PLUS is designed for a variety of applications including professional application formats up to 1,000 cm (32'8") wide.

All sizes are equipped with a durable, fiber reinforced PVC, tear resistant ARCTIC PLUS screen and are designed for front projection that yield high image quality. Flameproofed according to DIN 4102 B1.

The RUNWAY PLUS is a projection screen system for larger applications. It comes in a steel housing. The size of the housing varies depending on the size and specification of the screen from 20 x 20 cm (7.87" x 7.87") up to 40 x 40 cm (15.75" x 15.75"). The weighted bottom bar creates a seal when the screen is retracted into the housing and as a result protects the entire system.

The noise-insulated motor ensures smooth, quiet operation.

A professional installation system for suspended ceilings is available as an option, providing the benefit of a flush ceiling mounting (up to 600 cm (19'8") width). RUNWAY PLUS has a maximum width of 10 m (32'8").

The housing and the weighted bar of the RUNWAY PLUS are powder coated in RAL 9016, white (up to w 600 (19'8") x h 400 cm (13'1") as standard.

Other RAL classic colours are available on request.

For a width of more than 600 cm (19'8") RUNWAY PLUS comes in a galvanized steel housing. This can also be painted on request.



Technical Data

| Article | RUNWAY PLUS | | |
|--------------|---|---|---|
| Housing Size | 200 x 200 mm (7.87" x 7.87") | 300 x 300 mm (11.81" x 11.81") | 400 x 400 mm (15.75" x 15.75") |
| Sizes | from 500 x 300 cm (16'5" x 9'10") up to 600 x 400 cm (19'8" x 16'5") | from 550 x 450 cm (18'1" x 14'9") up to 700 x 400 cm (23'0" x 13'1") | from 700 x 550 cm (23'0" x 18'0") up to 1.000 x 625 cm (32'8" x 20'5") |
| Application | Front Projection | | |

[ROLLER SCREEN SYSTEM]

RUNWAY PLUS

Details

- Large format projection screen in durable steel housing from as little as 20 x 20 cm (7.87" x 7.87").
- Scratch and shock-resistant powder coated RAL 9016 white (up to w 600 (19'8") x h 400 cm (13'1") size). Other RAL classic colours are available (surcharge).
- Maintenance possible without dismantling the housing up to a screen width of 600 cm (19'8").
- Secure mounting system for suspended ceilings available.
- Housing is galvanized in 30 x 30 cm (11.81" x 11.81") and 40 x 40 cm (15.75" x 15.75") options for screens over 600 cm (19'8") wide.
- Matt white screen ARCTIC PLUS with light-proof backing.
- Ceiling mounting brackets attached to ends of housing.
- Rear rolling, front rolling available upon request.
- Optional wall installation bracket or ceiling installation kit.
- The motor is mounted on the right side standard on request is a left side installation also available.
- Construction DIN 56950-4 section 4 safety standards compliant.



Spenner Forum

Description

- Used as a dual-purpose motorized window shade and projection screen at the Spenner Forum.
- Development of a customized RUNWAY PLUS roller screen system integrated into window frame.
- Dimensions of the projection surface: 5.0 x 5.0 m (16 x 16 ft).
- An additional sunblind is lowered behind the screen for additional darkening of the space.

Client

Spenner GmbH & Co. KG

Location

Erwitte / Germany





Messe Nürnberg

Description

- Supply and installation of four roller screen systems using front projection screen material SCENE at the Messe Nürnberg.
- Three halls were supplied: hall London with a 7.2 x 4.1 m (23 x 13 ft) RUNWAY PLUS; hall Munich with two 7.0 x 4.7 m (23 x 15 ft) RUNWAY PLUS; hall Paris with a 11.0 x 4.7 m (36 x 15 ft) RUNWAY PLUS.
- Installation of the screens through a second floor window using two cranes.

Client

Messe Nürnberg

Location

Nürnberg / Germany







//Photo: Zinser / Messe Freiburg – Germany / Roller Screen System MEGASCREEN TOUR

[ROLLER SCREEN SYSTEMS CARBON]

Lightweight, Fast and Portable Motorized Screens!

Our roller screen systems CARBON are used for front and rear projection. The systems are the only roller systems that utilize the amazing rigidity, strength, and low density of carbon fiber. These properties make CARBON systems lightweight and uniquely well equipped to handle very large screens with supreme stability and fast roller speeds as well as unmatched low deflection under load.

The applications of our three roller screen systems TUBE, MEGASCREEN TOUR and MEGASCREEN are diverse. These systems are used world wide in permanent installations, touring productions, theatres and concerts, with projection screens, drops or variable acoustic curtains.



MASCHINEN
MACHINES

ZIERUNGEN
AL SERVICES

SERVICE
CT SUPPORT

RANTIE
ARRANTY

WARE

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CAT **CAT**

//Photo: Atelier Seitz / Bauma-Messestand Caterpillar – Munich, Germany / Roller Screen System TUBE

TUBE

Medium and Large Scale Systems!

TUBE is a portable top roller system for medium and large formats with tube lengths up to 12.0 m (39'4") and screen surfaces of up to 9.0 m (29'5") and variable lifting speeds of approx. 0.2 (8"/sec) to approx. 0.9 m/s (35"/sec).

Thanks to the high-quality carbon technology, the systems have a low weight and high rigidity. The systems are perfect for theatres, events, tours, and trade fairs.

| Technical Data | |
|----------------|---|
| Sizes | up to 11.90 m (39'0") |
| Speeds | up to approx. 0.90 m/s (35 in/sec) |
| Installation | Patented coupling device makes installation and disassembly easy. System is easily expandable. |

[ROLLER SCREEN SYSTEM CARBON]

TUBE

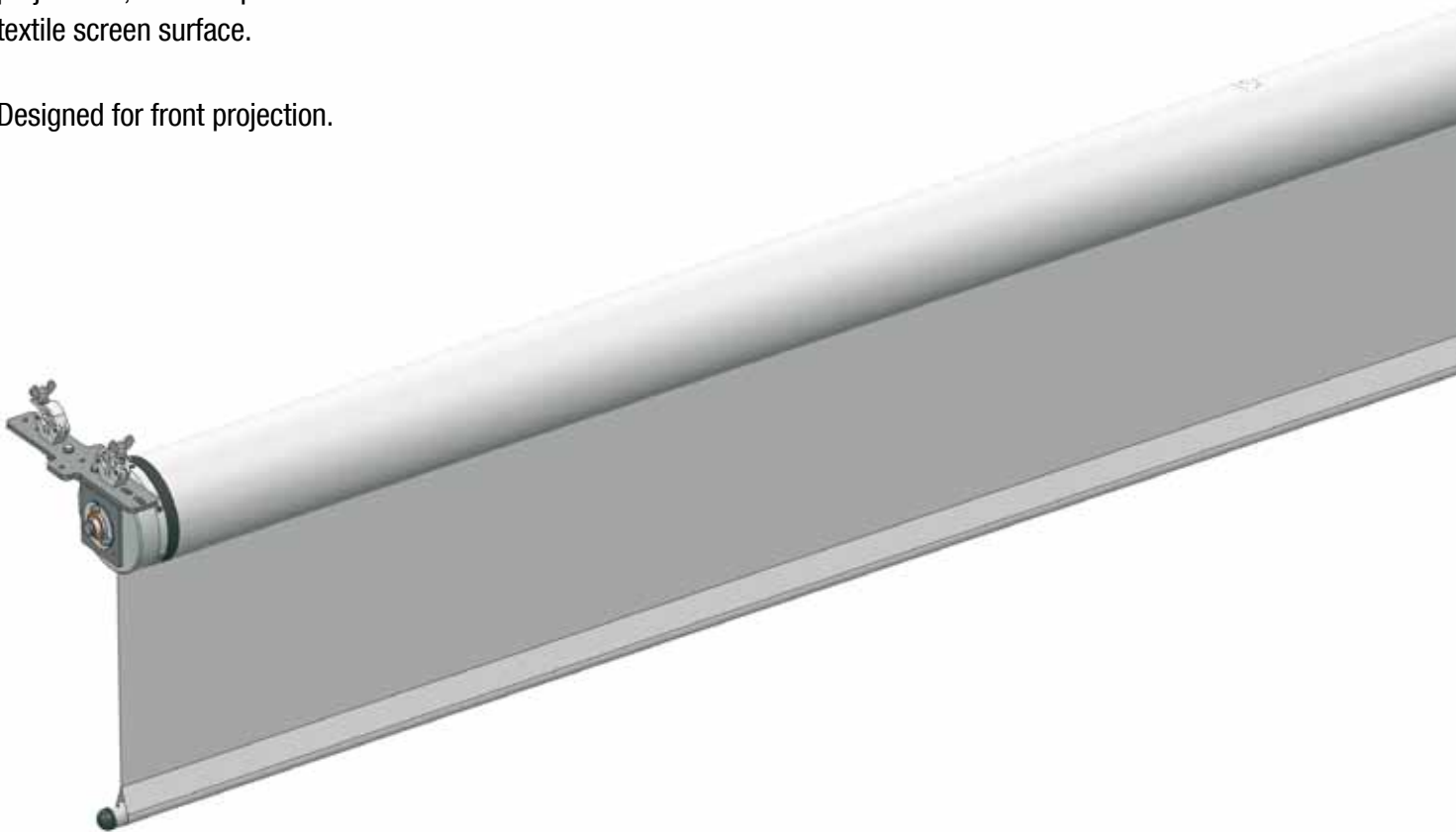
The roller screen system TUBE is designed as a mobile top rolling system for large scale systems with tube lengths up to 12.0 m (39'4") and screen surfaces of up to 9.0 m (29'5"). The winding tube is stationary and the screen rolls down off the tube.

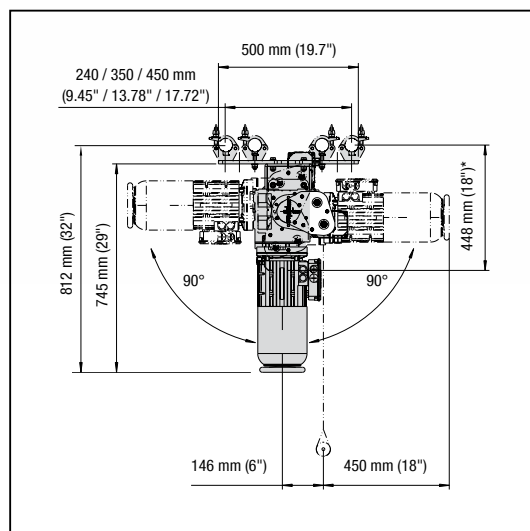
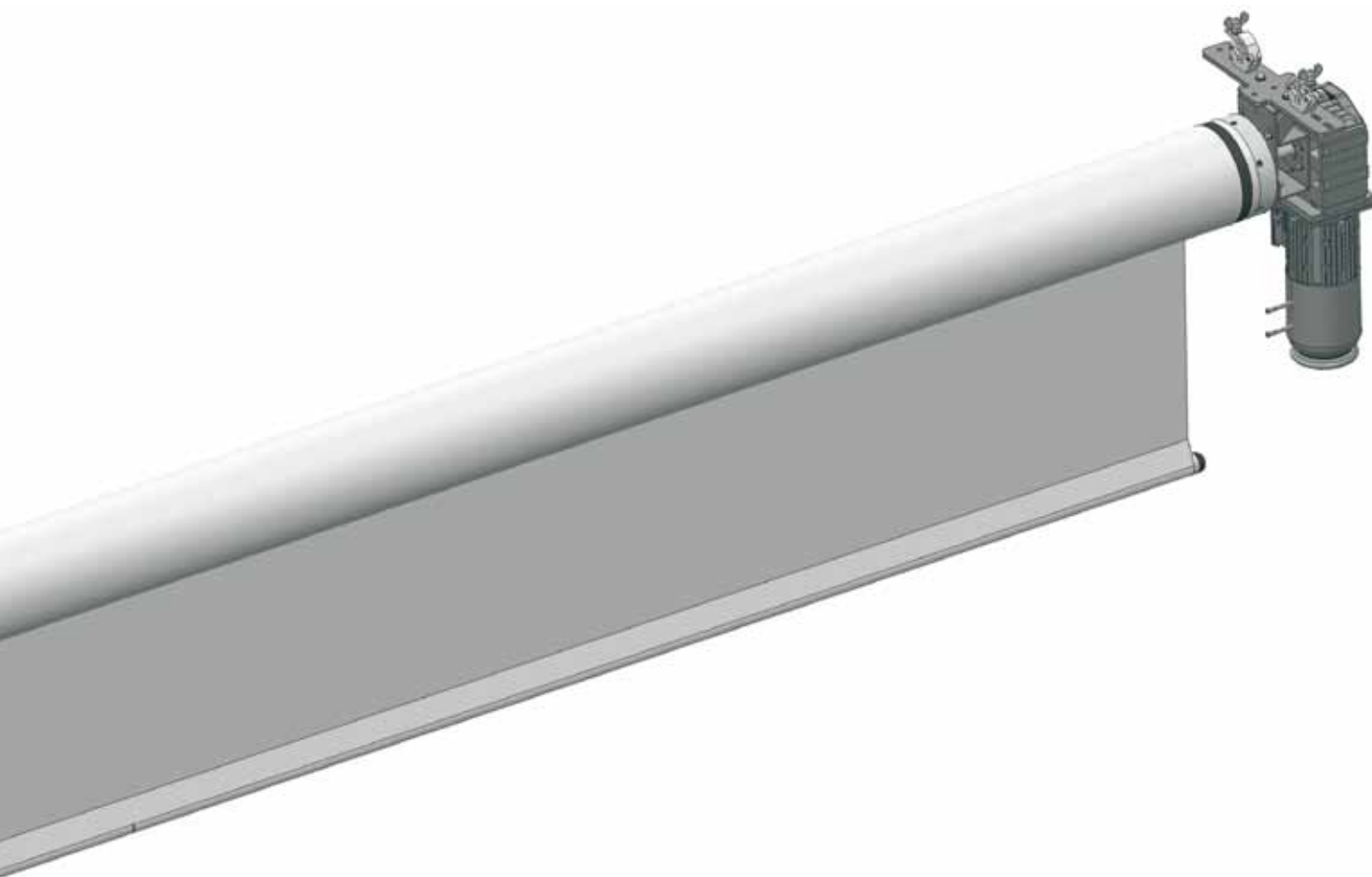
The system can be fitted with up to four half couplers, each with a carrying capacity of 750 kg, for attachment on flybars and battans, or on the chords of 290 mm (12"), 400 mm (16") or 500 mm (20") truss.

For ease of use on stage and when on tour, TUBE can be prerigged in a custom made truss with an open bottom.

For permanent installations we recommend a reinforced projection screen such as our ARCTIC front projection screen. For laser projections, it is also possible to use a sharkstooth as textile screen surface.

Designed for front projection.





Example – Side View of 1,5 kW Motor
 * Minimum Mounting Height

Xavier Naidoo

Description

- Six 6.0 m (20 ft) wide TUBE roller screen systems used for the Xavier Naidoo stage show "Nicht von dieser Welt."
- Custom made truss frames were built for the carbon tubes to be mounted inside for the TUBE systems.
- Screen made from Trevira CS VOILE; dimensions of the projection surfaces: approx. 5.0 x 7.5 m (16 x 25 ft).

Client

schoko pro GmbH

Location

Germany Tour







//Photo: Second Baptist Church – Houston, TX USA / Roller Screen System MEGASCREEN TOUR

MEGASCREEN TOUR

Portable Large Scale Systems!

MEGASCREEN TOUR is unique in terms of mobility, dimension and speed.

The system offers quick setup and disassembly for very large scale systems with tube lengths up to 30.0 m (98'4") and screen surfaces up to 15.0 m (49'2"). Roller speeds as fast as approx. 0.1 (4"/sec) to approx. 0.4 m/s (16"/sec).

Thanks to the combination of innovative winding technology and high-quality carbon technology, the system is perfect for theatre, event and trade fairs. It is also suitable for permanent installation.

| Technical Data | |
|----------------|---|
| Sizes | up to 29.90 m (98'1") |
| Speeds | up to approx. 0.40 m/s (16 in/sec) |
| Installation | Patented coupling device makes installation and disassembly easy. |

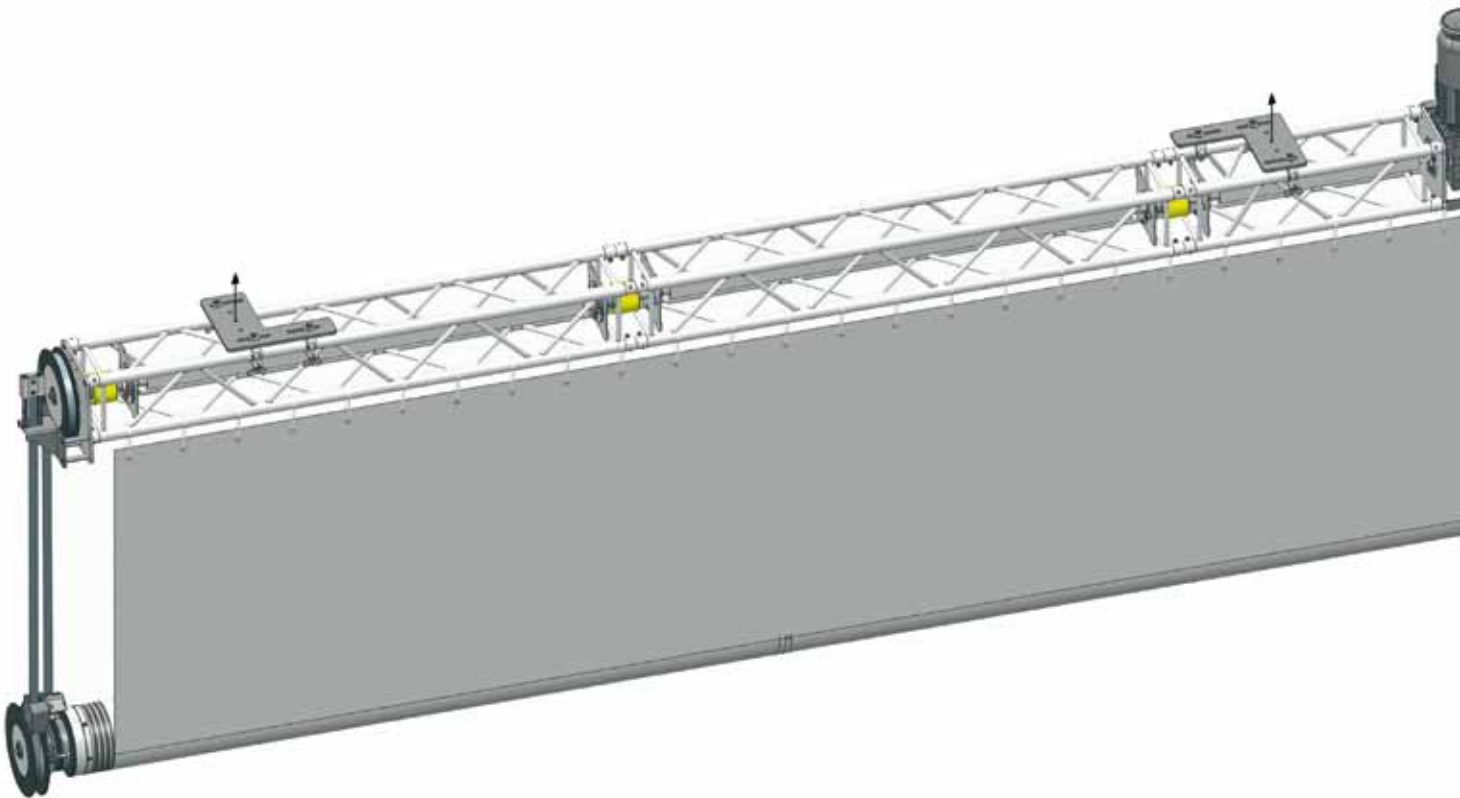
[ROLLER SCREEN SYSTEM CARBON]

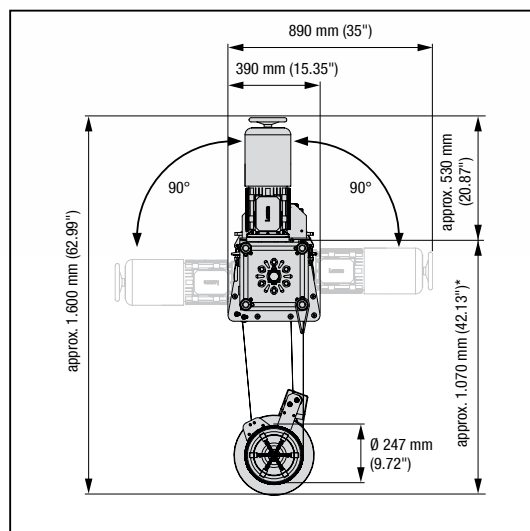
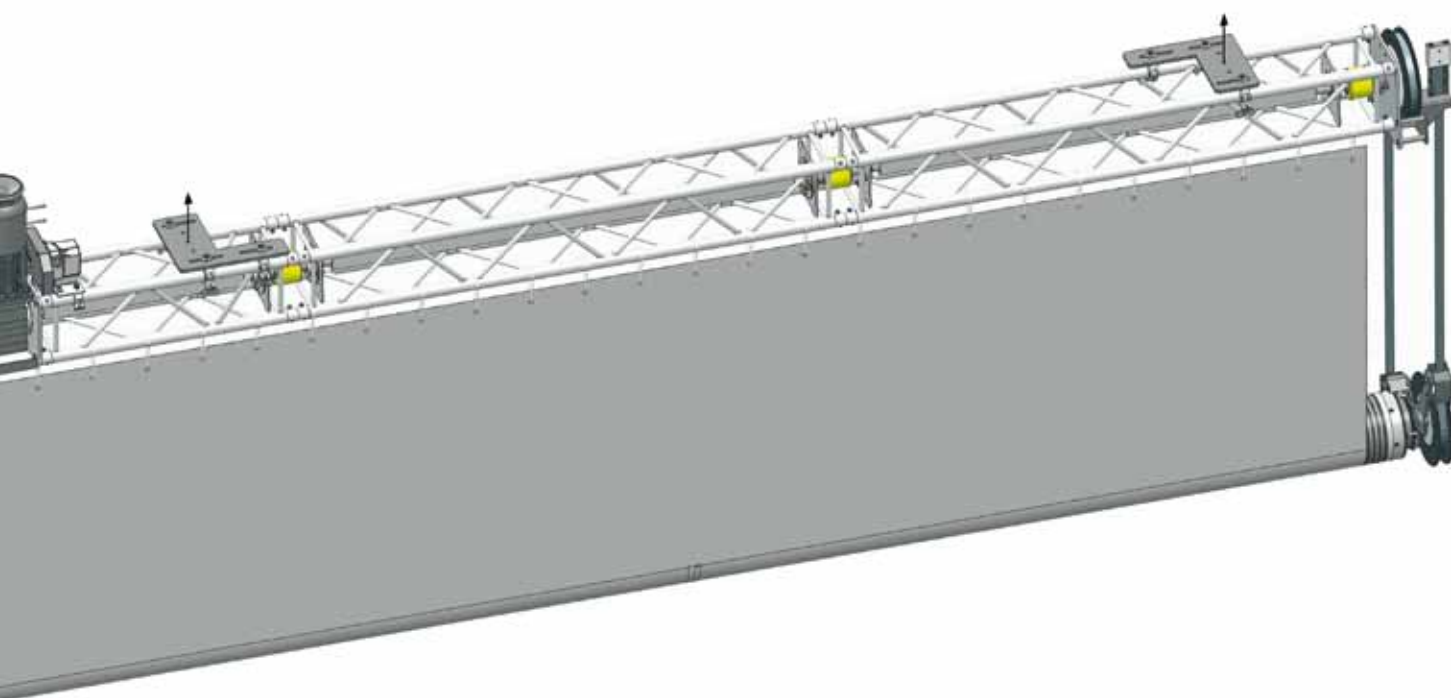
MEGASCREEN TOUR

The systems extreme size of up to 30.0 m (98'4") wide and up to 15.0 m (49'2") high can be achieved by means of the special bottom roller winding mechanism, in which the winding tube itself is let downwards, thus tightening the fabric by the dead weight of the winding tube below.

The diameter of the MEGASCREEN TOUR carbon tube is 247 mm (9.7"). The carbon fiber tube modules, the truss and the rest of the mechanism can be taken apart and reassembled for touring or temporary use but must be suspended from at least four points because the truss is divided by the motor in the centre.

Designed for front and rear projection surfaces.





Example – Side View of 2,2 kW Motor
* Minimum Mounting Height

Messe Freiburg – Trial installation Kazakhstan

Description

- Largest MEGASCREEN TOUR roller system ever built by Gerriets; dimensions of the system: 26.0 x 12.0 (85 x 39 ft).
- Screen made from front projection screen SCENE.
- Photo from trial installation in Freiburg, Germany.

Client

APM

Location

Almaty / Kazakhstan







//Photo: Scala, Ludwigsburg / Roller Screen System MEGASCREEN

MEGASCREEN

Permanently Installed Large Size Systems!

MEGASCREEN is a permanently installed bottom-roller projection screen system for large applications with tube lengths up to 24.0 m (78'7") and screen surfaces of up to 15.0 m (49'2") as well as variable lifting speeds of approx. 0.1 (3.9"/sec) to approx. 0.3 m/s (11.8"/sec).

Due to the modified construction of the carbon tube and a simplified connection of the tube modules, the roller screen system is ideal for permanent installation.

It is recommended that tube sections should be permanently bonded and fastened during installation.

| Technical Data | |
|----------------|----------------------------------|
| Sizes | up to 23.90 m (78'4") |
| Speeds | up to approx. 0.30 m/s (12 in/s) |
| Installation | For permanent installations. |

[ROLLER SCREEN SYSTEM CARBON]

MEGASCREEN

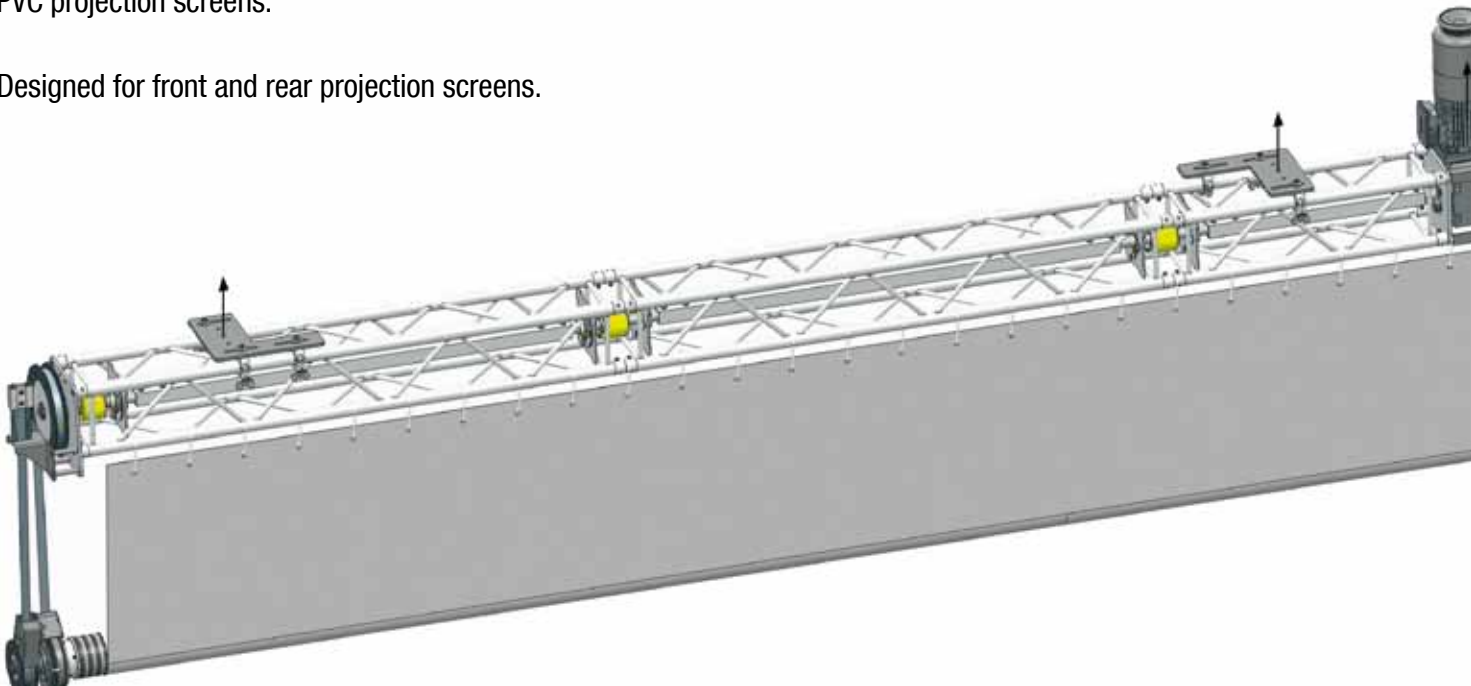
MEGASCREEN systems are designed for permanent installations of large motorized projection surfaces to be used where space is limited for mechanical components.

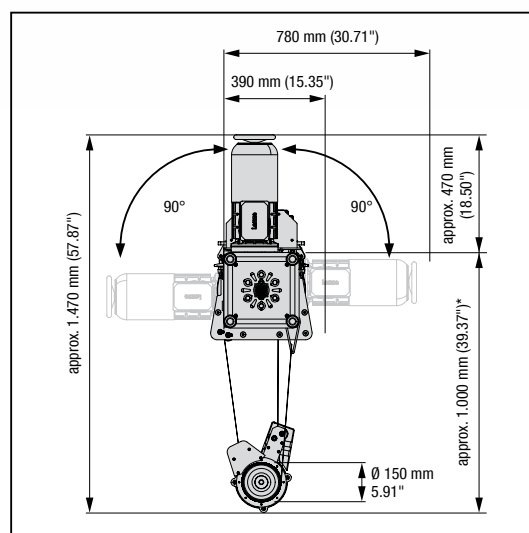
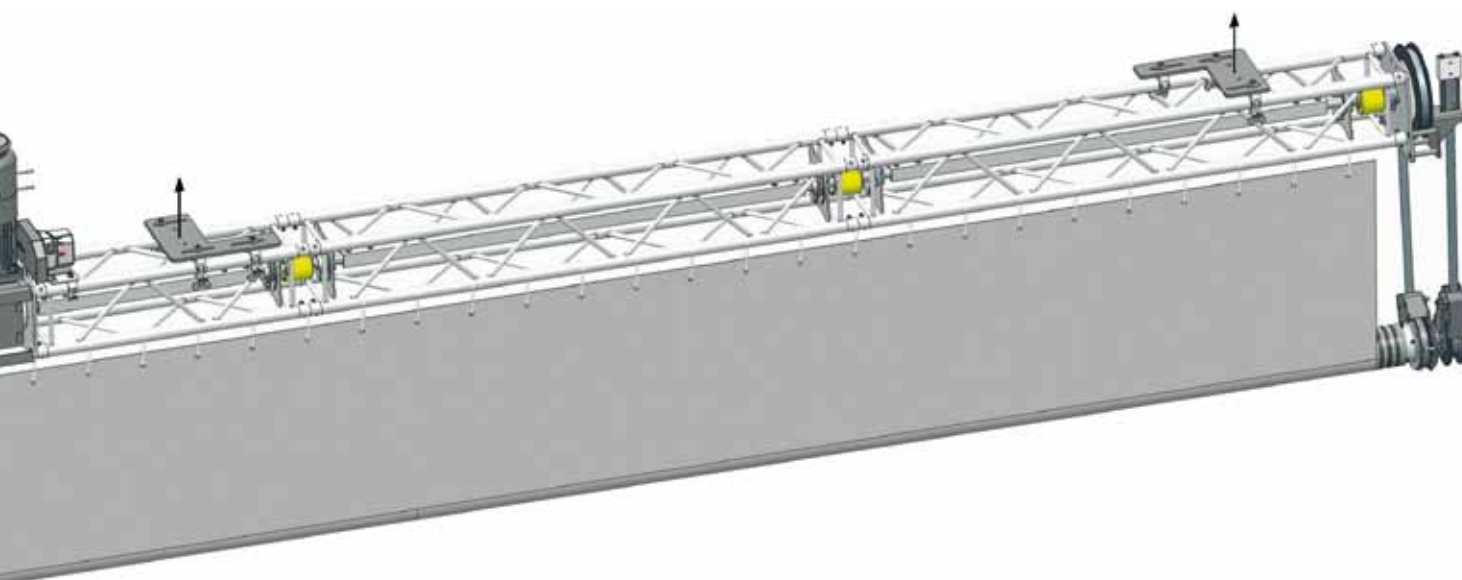
This is modified version of the MEGASCREEN TOUR system.

A smaller diameter tube (150 mm / 5.9"), permanent connections, and modified mechanical components give the MEGASCREEN system a small profile that can fit into tight spaces while allowing for spans up to 24.0 m (78'7") and screen surfaces of up to 15.0 m (49'2").

The bottom roller design means the tube is located on the bottom of the screen instead of the top and winds up and down with the screen. This design naturally tensions the screen creating a consistently flat and wrinkle free surface even with non-reinforced PVC projection screens.

Designed for front and rear projection screens.





Example – Side View of 1,5 kW Motor
 * Minimum Mounting Height

Kulturpalast Dresden

Description

- Manufacture and installation of a MEGASCREEN roller screen system with a total structural width of 12.8 m (42 ft); carbon tube diameter 150 mm (6 in); speed 0.4 m/s (16 in/s); power 2.2 kW.
- The screen is a 12.0 x 15.0 m (40 x 50 ft) SCENE front projection screen.

General Contractor

SBS Bühnentechnik GmbH

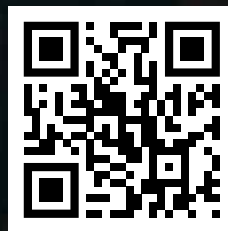
Client

Kulturpalast Dresden

Location

Dresden / Germany





Project Video



FAUSTUS' MAGICAL C

**Es ist Zeit, am Leben zu sein!
Und die Luft zu riechen.**



//Photo: Patrick Pfeiffer / Württembergische Landesbühne Esslingen – Germany / SUPERTITLE 2000 / P4.81

[LED SUPERTITLE SYSTEM]

SUPERTITLE 2000 / P4.81

Easy Operation, Quick Mounting!

Until very recently SUPERTITLE systems required the use of projectors. Thanks to a significant drop in LED prices it has become popular to use a LED display instead.

The advantages of LED displays are obvious: Substantially higher brightness, better contrast, deeper levels of black, less maintenance, longer product life at a low energy cost.

This SUPERTITLE system was developed with help from experts and users in order to create the perfect SUPERTITLE experience in theatres and at the opera.

The dedicated software SUPERTITLE has also been designed to work specifically for a theatre/opera application.

| Technical Data | | | |
|---------------------|-------------------------|---------------------------|---------------------|
| Pixel Pitch | 4,81 mm | Colour Temperature | 6,500 K |
| LEDs | SMD3528 | Cabinet, Size (w x h x d) | 2,000 x 500 x 50 mm |
| Pixel Configuration | 1R1G1B | LED Module, Size (w x h) | 250 x 250 mm |
| Greyscale | 14 Bit | LED Module, Definition | 52 x 52 Pixel |
| Colour Depth | 36 Bit | Weight | 34 kg |
| Viewing Angle | >140° (h/v) | Protection Class: | IP20 |
| Refresh Rate | 960 Hz | Power Supply | 230V/50Hz |
| Brightness | 1,200 cd/m ² | Power Consumption | 375 W |
| Viewing distance | >5 m | Frame Material | Steel |

[LED SUPERTITLE SYSTEM]

SUPERTITLE 2000 / P4.81

Transport Case for SUPERTITLE 2000 / P4.81

Model: Chest with hinged lid, inside with foam compartment, accessory compartment over the whole length.

Case Construction:

- Colour: black;
- 10.0 mm birch plywood with ABS coating;
- 30 mm aluminum edge protection;
- 3 large butterfly locks;
- 8 large hinged handles;
- 4 large lid supports and joint hinge;
- Ball edges riveted three times;
- Rolling strips with 6 x 100 mm blue wheels (two of them with fixing).

Outside dimensions l x w x h incl. rolls abt.:

- Small Transport Case for 2 cabinets: 2,098 x 412 x 767 mm;
- Large Transport Case for 4 cabinets: 2,098 x 661 x 767 mm.

Software SUPERTITLE 1.1

The software has been designed to display texts on the LED supertitle system 2000 / P4.81 in a quick and easy way. Due to numerous editing options, the LED supertitle system meets the requirements of a modern opera house.

Basic Settings

- Font (all fonts which are installed on the computer can be used);
- Font size;
- Number of lines (choice of up to five);
- Alignment of the text (e.g. left-aligned or centred);
- Brightness;
- Cross-fade characteristic (type "V" or "X");
- Cross-fade time (in 0.1 second steps);
- Light colour (RGB-colour field selectable);
- Two language versions can be shown in parallel;
- Password protection for basic settings.

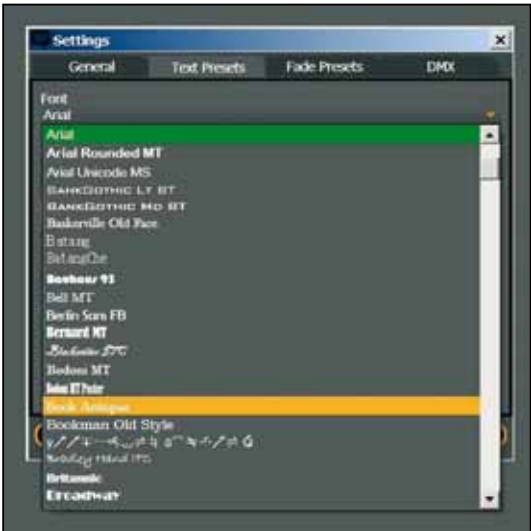


SUPERTITLE 2000 / P4.81

Text can be entered directly into the program or it can be imported from Microsoft Word, Microsoft Power Point or other supertitle software.

During the setup period it is possible to choose additional display parameters for every single title. These parameters can deviate from the basic settings:

-



Under the category "font", all fonts, which are installed on the computer, can be used

Semperoper Dresden

Description

- Use of two LED supertitle systems SUPERTITLE 2000 / P4.81 on the main stage; two language versions are shown in parallel.
- Installation of two separate display units; 1 display: 4,000 x 1,000 x 55 mm, consisting of four cabinets.
- Definition of a cabinet: 416 x 104 pixel; 4.81 x 4.81 mm pixel pitch.

Client

Semperoper Dresden

Location

Dresden / Germany





...und die Decke ... und die Wände ...
- Sie gleiten hin und her um die Wette, ganz wie Sie
mögen. So ergeben sich auf bekanntem Terrain
ganz neue Ausblicke.

...und die Decke ... und die Wände ...
- Sie gleiten hin und her um die Wette, ganz wie Sie
mögen. So ergeben sich auf bekanntem Terrain
ganz neue Ausblicke.

[THE COMPANY]

Gerriets is an expanding company with subsidiaries, distributors and sales partners in more than 20 countries. Since its founding in 1946, Gerriets has developed into a global leader in the fields of stage technology, large scale events and acoustic projects. Today, this third generation family business continues to respond to the demands of the market.

Decades of practical experience and specialized knowledge make us an excellent partner for the planning, development and production of your projection screens and projection surfaces. Enjoy the benefits of our decades of experience and personalized attention at Gerriets.

Gerriets Screen Solutions – individual solutions for every purpose!

gerriets.com

Gerriets GmbH / Im Kirchengürtle 5-7 / DE-79224 Umkirch / Tel. +49 7665 960 0 / info@gerriets.com





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