

## AMBIANCE

- |                                 |   |  |                                   |                                    |
|---------------------------------|---|--|-----------------------------------|------------------------------------|
| <input type="checkbox"/> Inline | <input type="checkbox"/> Fullwhite            | <input type="checkbox"/> Vario Curve     | <input type="checkbox"/> Monoblox | <input type="checkbox"/> Vario     |
| <input type="checkbox"/> Magnum | <input checked="" type="checkbox"/> Decoframe | <input type="checkbox"/> Fullwhite Curve | <input type="checkbox"/> MonoClip | <input type="checkbox"/> VarioClip |

# MATERIAL SPECS: AMBIANCE



## TECHNICAL DATA

Base material: PET  
 Lens system: multi-layer prism lens filter (lens pitch = 65 micron)  
 Color projection side: metallic grey  
 Color rear side: black  
 Thickness: ~ 0.292 +/- 0.040  
 Surface weight: ~ 510g/m<sup>2</sup>  
 Max. efficient image height (mm): 1493mm [59"]  
 Application: front projection  
 Projector type: regular (long throw)  
 Projector throw ratio: above 1:1,5  
 Screen type: ALR (ambient light rejecting)  
 Rejecting type: CLR (ceiling light rejecting)  
 Color rendering: Enhanced color reproduction, broader color gamut  
 Light proof: 100% Black backside prevents light passing through  
 On-axis peak gain: 0,8  
 Horizontal Half-Gain: 85°  
 Vertical Half-Gain: 15°  
 Uniformity (0°/40°): 80% (no bright spots or dark corners)  
 Recommended viewing angle: +/- 60°  
 High resolution compatibility: 8K+  
 Weldability: no  
 Operating conditions: 10-40°C [50-104°F] / 10-70%RH  
 Tear strength: high  
 Cleaning: with cloth, water or window/monitor cleaner  
 Fire resistance category: not classified

## CHARACTERISTICS & ADVANTAGES

- High-contrast images in rooms with high levels of ambient light
- Up to six times better image contrast than standard screens
- No need to use blinds/turn lights off
- Maintain eye contact with audience
- Reduces eye-strain and fatigue
- Reduced cost of ownership on total screen + projector solution
- ISF certified optical screen technology
- Scratch-resistant - 2H hard coat surface (touchable)
- Enables edge-blending with multiple projectors
- Possible to erase whiteboard marker and remove permanent marker
- Enables longer meetings
- Full movie experience with light in room
- No shimmer/speckle – completely passive surface
- No texture – see the image, not the screen
- Full color balance conservation for 180° viewing cone
- Deep black levels

## DO NOT

- Fold
- Use organic solvent to clean
- Overheat
- Use in direct sunlight
- Rotate the screen
- Use with a short-throw or ultra-short-throw projector
- Install for steep off-axis viewing
- Use vertical edge-blending
- Use polarized passive 3D

## CORRESPONDING FORMATS AND DIAGONALS

Screen format	Maximum diagonal
2.40:1	153.5"
16:9	120.5"
16:10	111.5"
4:3	98.5"

## APPLICATION

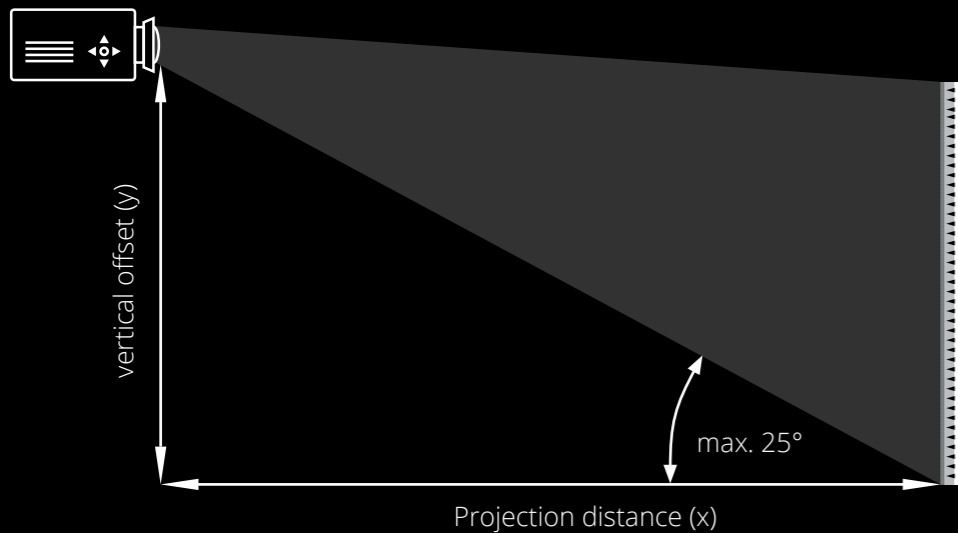
Custom Projection Screens DECOFRAME

## CERTIFICATIONS



For more details, please contact:  
 AVstumpfl@AVstumpfl.com

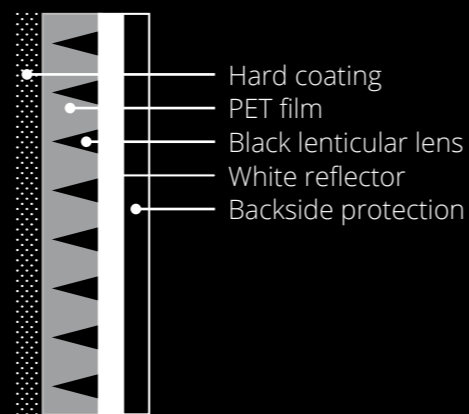
## PROJECTION DISTANCE



Due to the optical lens system it is important that the incident angle of light is not too steep. Use guidelines to determine where to position the projector relative to the screen.

If projection distance (x) is known → Max. vertical offset (y) = 0.4 \* x  
 If vertical offset (y) is known → Min. projection distance (x) = 2.4 \* y

## LENS DESIGN



The lens system admits projected light to pass through and to be reflected towards the viewer. Meanwhile, unwanted light hitting the screen from other angles is blocked out and absorbed.

## GAIN ACCORDING TO DIN 19045 AMBIANCE

