AMBIANCE UST

☐ Inline ☐ Fullwhite ☐ Vario Curve ☐ Monoblox ☐ Vario
☐ Magnum ☑ Decoframe ☐ Fullwhite Curve ☐ MonoClip ☐ VarioClip

MATERIAL SPECS: AMBIANCE UST

TECHNICAL DATA

Base material:	PET
Lens system:	multi-layer prism lens filter
Color projection side:	metallic grey
Color rear side:	black
Thickness:	~ 0.47
Surface weight:	~ 455g/m²
Max. efficient image height (mm):	1496mm [60"]
Application:	front projection
Projector type:	UST - ultra short throw
Projector throw ratio:	1:0,25 up to 1:0,7
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:	0,3
Horizontal Half-Gain:	85°
Vertical Half-Gain:	25°
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
- Enables edge-blending with multiple projectors
- Enables longer meetings
- Full movie experience with light in room
- No shimmer/speckle – completely passive surface
- Full color balance conservation for 180° viewing cone
- Deep black levels

CORRESPONDING FORMATS AND DIAGONALS

Screen format	Maximum diagonal
1,85:1	120"
2,35:1	114"
16:9	120"
16:10	111"
4:3	98,5"

DO NOT

- Fold
- Use organic solvent to clean
- Overheat
- Use in direct sunlight
- Rotate the screen
- Install for steep off-axis viewing
- Use vertical edge-blending
- Use polarized passive 3D

APPLICATION

Custom Projection Screens DECOFRAME

CERTIFICATIONS

PVC FREE   REACH COMPLIANCE   ®

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

PROJECTION DISTANCE
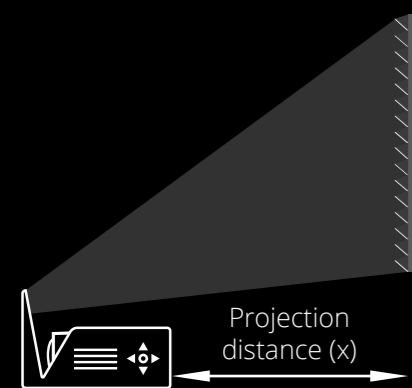
Projection distance (x) =
0,25-0,7 x Screen width
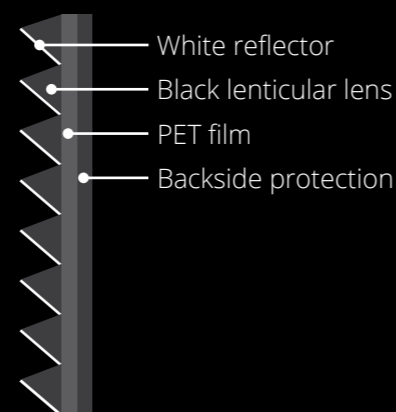
Projection distance (x)

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

Projection distance (x) = max. 0,7 x Screen width

LENS DESIGN

- White reflector
- Black lenticular lens
- PET film
- Backside protection

The lens system admits projected light 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 UST

Half gain angles
Horizontal: 85°
Vertical: 25°

SCREEN GAIN

1

0,5

0

50° 45° 40° 35° 30° 25° 20° 15° 10° 5° 2,5° 0° 2,5° 5° 10° 15° 20° 25° 30° 35° 40° 45° 50°

VIEWING ANGLE