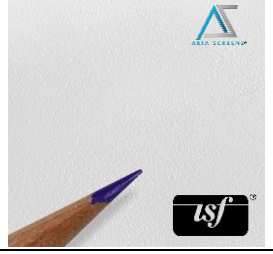
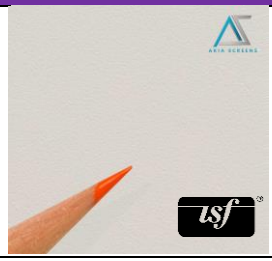
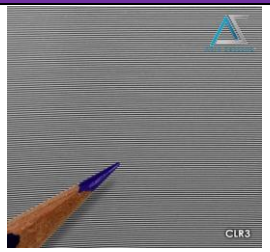
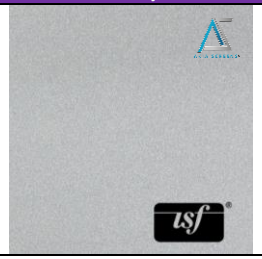
AKIA SCREENS®

AKIA Screens Projection Screen Materials Comparison Chart

Screen Material Name	MaxWhite® B	MaxWhite® 2	CineWhite® UHD-B	CineWhite®	CineWhite® P
Picture					
Description	MaxWhite® B is the most versatile screen surface for front projection presentations. This material provides a wide viewing angle with perfect diffusion uniformity.	MaxWhite® 2 is a matte white front projection material that's been crafted to achieve precise color temperature neutrality to produce accurate colors while maintaining a wide viewing angle.	CineWhite® UHD-B is a front projection screen material that is certified by the world-renowned Imaging Science Foundation for achieving accurate color reproduction and image fidelity.	CineWhite® has a broad light dispersion through diffusion uniformity. It enhances black & white levels while colors remain neutral for various applications and presentations.	The ***CineWhite® P*** is a front projection screen material designed for applications in a controlled light environment that delivers perfect color balance and white field uniformity with no hot spots. It has wide diffusion to ensure the viewer is presented with clear and bright images regardless of their seating arrangement.
Available in Screen Type	Electric Motorized	Electric Motorized, Manual Pull-Down, Tripod Portable, Dual Tripod/Wall Hang	Fixed Frame, Tripod Tab-Tension	Outdoor Folding-Frame Portable, Floor Rising Electric	Motorized Tab-Tension
Type of material	Matte White (multi-layer weave)	Matte White (multi-layer weave)	Tensioned Matte White (PVC Flexible)	Tensioned Matte White (PVC Flexible)	Matte White (weave)
Projection Type	Front	Front	Front	Front	Front
Diagonal Size (Aspect Ratio)	**Electric Motorized** | 110" (16:9)	**Electric Motorized** | 125"/150" (16:9), 104" (4:3) **Manual Pull-Down** | 100"/110" (4:3/16:9), 100" (16:10), 125" (1:1) **Tripod Portable** | 100" (4:3) **Dual Tripod/Wall Hang |** 57"/96" (1:1), 110" (4:3)	**EDGE FREE® (Narrow bezel)** | 100"/125"/145" (16:9) **Standard Frame (Velvet)** | 100"/110"/ 120"/ 135"/150" (16:9) **Tripod Tab-Tension** | 92" (16:9)	**Portable Folding Frame** | 120"/145" (16:9) **Floor Motorized Tab-Tensioned** | 102" (16:9)	**Electric Motorized Tab-Tensioned** | 105"/120" (16:9)
Gain	1.0	1.1	1.3	1.1	0.9
Viewing Angle	180°	180°	180°	180°	180°
Black backing	Yes	Yes	Yes	Yes	Yes
3D Ready	Active	Active	Active	Active	Active
4K/8K Ultra HD Ready	Yes	Yes	Yes	Yes	Yes
Projector Compatibility	Standard throw only	Standard throw only	Ultra, short, and standard throw	Ultra, short, and standard throw	Ultra, short, and standard throw
GREENGUARD Certified	Yes	Yes	No	No	No
ISF Certified	No	Yes	Yes	Yes	Yes
Best for Environments	Versatile for multiple applications in a light controlled room.	Versatile for multiple applications in a light controlled room.	Versatile for multiple applications in a light controlled room. Higher gain improves HDR content.	Versatile for multiple applications in a light controlled room	Versatile for multiple applications in a light controlled room

AKIA SCREENS®

AKIA Screens Projection Screen Materials Comparison Chart

Screen Material Name	CLR® 2	CLR® 3	CLR®4	CineGrey 3D®	CineGrey 4D
Picture					
Description	The CLR® 2 is a ceiling ambient light rejecting front projection screen material that rejects up to 90% of overhead lighting and is compatible with tabletop (bottom mounted) short and ultra-short throw projectors. CLR®2 is designed using optical layers and is scratch-resistant. ISF Certified for accurate color reproduction in a dark room.	The CLR® 3 is a ceiling ambient light rejecting front projection material designed specifically for tabletop (bottom mounted) ultra-short throw projectors. It uses optical microstructures to absorb up to 90% of overhead lighting while producing exceptional image brightness, color saturation and contrast for superior picture performance.	CLR® 4 is a ceiling light-rejecting front projection material designed specifically for tabletop-mounted ultra-short-throw projectors. The CLR® 4 features a lenticular structure that gradually changes to absorb light from above while providing proper diffusion to maintain a bright uniform clear image. ISF Certified for accurate color reproduction in a dark room.	The CineGrey 3D® is a reference quality front projection screen material formulated for environments with minimal control over lighting. It was designed to enhance picture brightness, produce accurate color fidelity, and improve contrast levels. ISF Certified for accurate color reproduction in a dark room.	The CineGrey 4D is a 1.1 gain flexible front projection ceiling ambient light rejecting material for standard throw projectors. It can reject up to 63% of off-axis lighting while providing a bright, contrast rich image in moderate light room environments. The CineGrey 4D produces outstanding images with a balanced color temperature for residential /commercial applications.
Available in Screen Type	EDGE FREE® Fixed Frame (Narrow Bezel)	EDGE FREE® Fixed Frame (Narrow Bezel)	EDGE FREE® Fixed Frame (Narrow Bezel)	EDGE FREE® Fixed Frame (Narrow Bezel)	Floor Rising Electric
Type of material	Silver/Gray (PET)	Gray (TPU)	Gray (PET)	Silver/Gray (PVC Flexible)	Silver/Gray (PVC Flexible)
Projection Type	Front	Front	Front	Front	Front
Diagonal Size (Aspect Ratio)	**EDGE FREE® CLR® 2** |103" (16:9)	**EDGE FREE® CLR® 3**| 103" (16:9)	**EDGE FREE® CLR® 4** |115"/123" (16:9)	**EDGE FREE® CineGrey 3D®** | 103"/123" (16:9)	**Floor Motorized Tab-Tension CineGrey 4D** |102" (16:9)
Ambient Light Rejecting	Yes (up to 90%)	Yes (up to 90%)	Yes (up to 90%)	Yes (up to 65%)	Yes (up to 63%)
Gain	0.9	0.8	0.8	1.2	1.1
Viewing Angle	160°	170°	180°	90°	70°
Minimum Throw Ratio	0.1 - 1.2	0.1 - 0.4	0.1 - 0.4	1.5x image width	1.5x image width
Black backing	Yes	Yes	Yes	No	No
3D Ready	Active	Active	Active	Active	Active
Scatch-resistant	Yes	No	No	No	No
4K/8K Ultra HD Ready	Yes	Yes	Yes	Yes	Yes
Projector Compatibility	Ultra-short and Short Throw (tabletop only)	Ultra-Short Throw (tabletop only)	Ultra-Short Throw (tabletop only)	Standard (long)Throw - ceiling/tabletop mounted	Standard (long)Throw - ceiling/tabletop mounted
Best for environments	Moderate ambient light control rooms and dark rooms	Moderate ambient light control rooms and dark rooms	High ambient light control rooms and dark rooms	Moderate ambient light control rooms and dark rooms	Moderate ambient light control rooms and dark rooms
ISF Certified	Yes	No	Yes	Yes	Yes
Recommended for	Excellent black level performance and accurate color reproduction, especially in dark rooms. Preserves color purity under ceiling lights.	Excellent black level performance in dark rooms and preserving color purity under ceiling lights.	Excellent black level performance and accurate color reproduction, especially in dark rooms. Preserves color purity under ceiling lights.	Excellent black level performance and accurate color reproduction, especially in dark rooms. Preserves color purity in moderate ceiling ambient light rooms.	Great black level performance and accurate color reproduction, especially in dark rooms. Preserves color purity in moderate ceiling ambient light rooms.