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ELITE SCREENS AR180WH2 Fixed Frame Projection Screen User Guide

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The Aeon Series is a fixed frame projection screen that uses Elite's EDGE FREE® technology. EDGE FREE® means that there is no external framework (edge) bordering the material as seen in traditional frame-screens. The design utilizes an internal frame with wrap-around material that resembles a giant size flat panel display. The Aeon includes a black velvet trim edge strip as an option to further enhance the overall appearance.
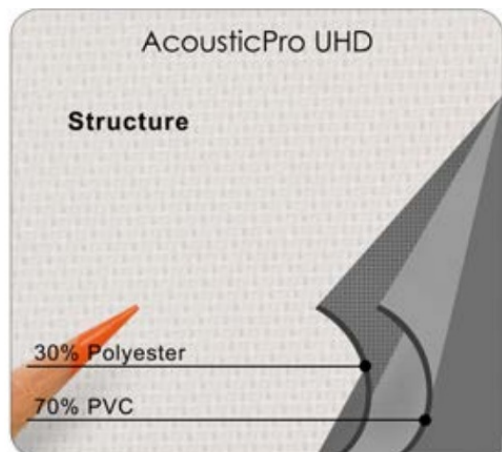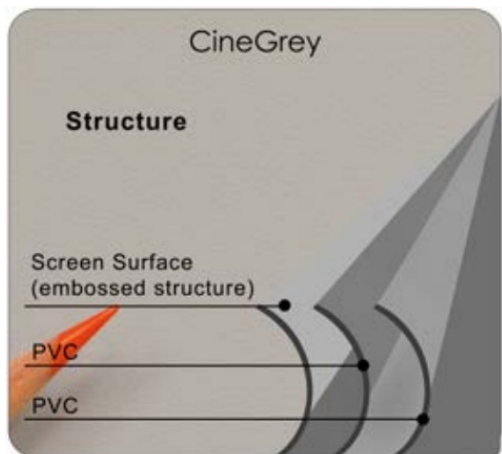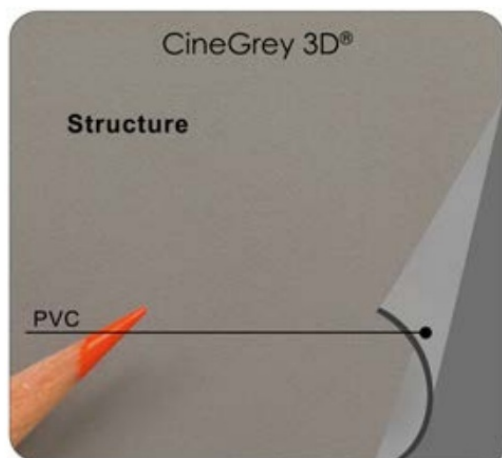
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Front Projection Screen Material Options

CineWhite® UHD-B (tension matte white) – ISF certified material for achieving accurate color reproduction and image fidelity. It is black backed which eliminates light penetration. Gain 1.3/180º viewing angle. Recommended for environments with controlled lighting.

CineGrey (high contrast grey) – It enhances black levels and color contrast while maintaining a neutral color temperature. Gain 1.0/160º viewing angle. Recommended for environments with controlled lighting.

CineGrey 3D® (Ambient Light Rejecting) – ISF certified front projection screen material formulated for environments with minimal control over room lighting. Gain 1.2/90º viewing angle. Recommended for environments with minimal controlled lighting

Design & Installation

- Acoustic Transparent (Acoustic Pro UHD) models also available
- Material stretches over frame for a permanently tight-tensioned flat surface
- Aluminum lightweight split-frame design
- EDGE FREE® or install ultra-thin trim
- Smaller footprint maximizes viewing area
- Wall mount brackets slide ensuring the frame is properly centered
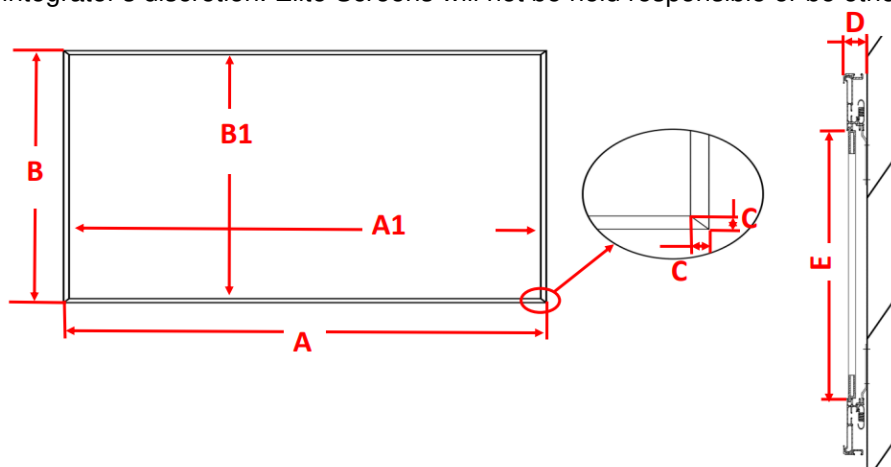- Optional LED backlight kit with remote control (sold separately)

Aeon CineWhite ® UHD-B Dimensions Table – M Type

Model Number	Nominal Diagonal	Screen Material	Gain	Overall Width (A)	Viewable Width (A1)	Overall Height (B)	Viewable Height (B1)	Frame Width (C)	Frame Thickness (D)	Center support barLength (E)	Packing Dims (Lx WxH)			N. W.	G. W.
						Unit: Inch								lbs	lbs
AR100 HW2	100″(16:9)	CineWhite® UHD-B	1.3	88.0	87.2	49.8	49.0	0.4	1.3	45.3	59.3	11.0	7.9	18.5	27.4
AR110 HW2	110″(16:9)	CineWhite® UHD-B	1.3	96.7	95.9	54.7	53.9	0.4	1.3	50.2	68.9	11.0	7.9	21.7	31.4
AR120 HW2	120″(16:9)	CineWhite® UHD-B	1.3	105.4	104.6	59.6	58.8	0.4	1.3	55.0	68.9	11.0	7.9	24.4	32.5
AR135 HW2	135″(16:9)	CineWhite® UHD-B	1.3	118.4	117.6	66.9	66.1	0.4	1.3	62.4	82.7	11.0	7.9	27.4	38.1
AR150 HW2	150″(16:9)	CineWhite® UHD-B	1.3	131.5	130.7	74.3	73.5	0.4	1.3	69.8	82.7	11.0	7.9	32.3	42.4
AR165 WH2	165″(16:9)	CineWhite® UHD-B	1.3	144.6	143.8	81.7	80.9	0.4	1.3	77.2	89.8	11.0	7.9	37.0	48.2
AR180 HW2	180″(16:9)	CineWhite® UHD-B	1.3	157.6	156.9	89.0	88.2	0.4	1.3	84.5	105.9	11.0	7.9	41.2	52.6
AR200 HW2	200″(16:9)	CineWhite® UHD-B	1.3	175.1	174.3	98.8	98.0	0.4	1.3	94.3	105.9	11.0	7.9	46.0	57.4
						Unit: mm								kgs	kgs

AR100 HW2	100″(16:9)	CineWhite® UHD-B	1.3	2234	2214	1265	1245	9	34	1150	1505	2800	2000	8.43	12.5
AR110 HW2	110″(16:9)	CineWhite® UHD-B	1.3	2455	2435	1390	1370	9	34	1276	1750	2800	2000	9.86	14.3
AR120 HW2	120″(16:9)	CineWhite® UHD-B	1.3	2676	2656	1514	1494	9	34	1398	1750	2800	2000	11.1	14.8
AR135 HW2	135″(16:9)	CineWhite® UHD-B	1.3	3008	2988	1700	1680	9	34	1584	2100	2800	2000	12.5	17.3
AR150 HW2	150″(16:9)	CineWhite® UHD-B	1.3	3340	3320	1888	1868	9	34	1772	2100	2800	2000	14.7	19.3
AR165 WH2	165″(16:9)	CineWhite® UHD-B	1.3	3672	3652	2075	2055	9	34	1961	2280	2800	2000	17	21.9
AR180 HW2	180″(16:9)	CineWhite® UHD-B	1.3	4004	3984	2261	2241	9	34	2146	2690	2800	2000	18.7	23.9
AR200 HW2	200″(16:9)	CineWhite® UHD-B	1.3	4447	4427	2510	2490	9	34	2396	2690	2800	2000	20.9	26.1

Note: Data error may be ±1″

The listed measurements are for general reference only. Please contact Elite Screens to verify product design and dimensions before attempting to integrate its products with any structural or furniture modification. Although a manufacturer may offer product advice, it may be taken or disregarded at the integrator's discretion. Elite Screens will not be held responsible or be otherwise liable for faulty installations.

DESCRIPTION

The CineWhite® UHD-B (Tensioned Matte White) is a 1.3 gain flexible front projection screen material that is certified by the world-renowned Imaging Science Foundation for achieving accurate color reproduction and image fidelity. It has wide diffusion uniformity that allows equal brightness levels over a 180° viewing angle.
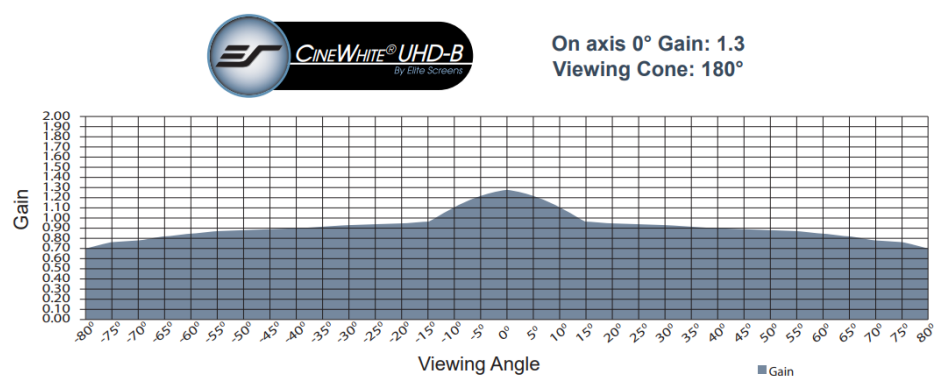
The flexible PVC material construction has the needed pliability to maximize flatness in a "roll-up" projection surface. The versatile properties of this material make it a natural fit with either standard or ultra/short-throw projectors.

FEATURED SERIES: Sable Frame 2, Manual Tab-Tension 2, Aeon Series, Spectrum Tab-Tension 2, Tripod Tab-Tension, Yard Master 2, Designer Cut

MATERIAL SPECIFICATIONS

- 1.3 Gain brightness with wide diffusion uniformity
- Wide Viewing angle: 180° (90°LR)
- Mildew resistant and easy to clean
- Black backing eliminates light penetration for a brighter picture
- Recommended for environments with controlled lighting
- 4K/8K Ultra HD ready
- Compatible with Ultra-Short, Short and Standard throw projectors
- ISF Certified for Accurate Color Reproduction
- Suited for either residential or commercial applications.

GAIN CHART

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Documents / Resources

ELITE SCREENS AR180WH2 Fixed Frame Projection Screen [pdf] User Guide
AR180WH2 Fixed Frame Projection Screen, AR180WH2, Fixed Frame Projection Screen, Frame Projection Screen, Projection Screen, Screen

References

- 🖝 **Cinema Quality Projector Screens | Elite Screens**
- **User Manual**