

CineWhite® UHD-B

Section 1: Material Design

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. The material is also suited for either residential or commercial applications.

The **CineWhite® UHD** produces outstanding images that are accurate in color and contrast in environments with controlled lighting. It is black backed which eliminates light penetration for enhanced brightness and color saturation to prevent picture degradation. The surface is smooth to ensure optical image characteristics for 4K/8K high resolution projectors.

Section 2: Features

Features

- Gain: 1.3
- Viewing Angle: 180° (90°LR)
- Wide diffusion uniformity
- Black backing
- Surface can be cleaned with soap, water and a soft cloth
- Mildew Resistant
- 4K/8K Ultra HD ready
- **ISF Certified**



Section 3: Specifications

Thickness	0.27 mm
Weight	350 g/m ²
Roll Length	1.5 - 3.6 M
On-axis Gain	1.3
Half Gain Angle	Material does not reach half gain
Edge Blend	Yes
4K/8K Ultra HD, HDR and Active 3D ready	Yes

Section 4: Viewing Angle and Gain Chart

4.1 Gain

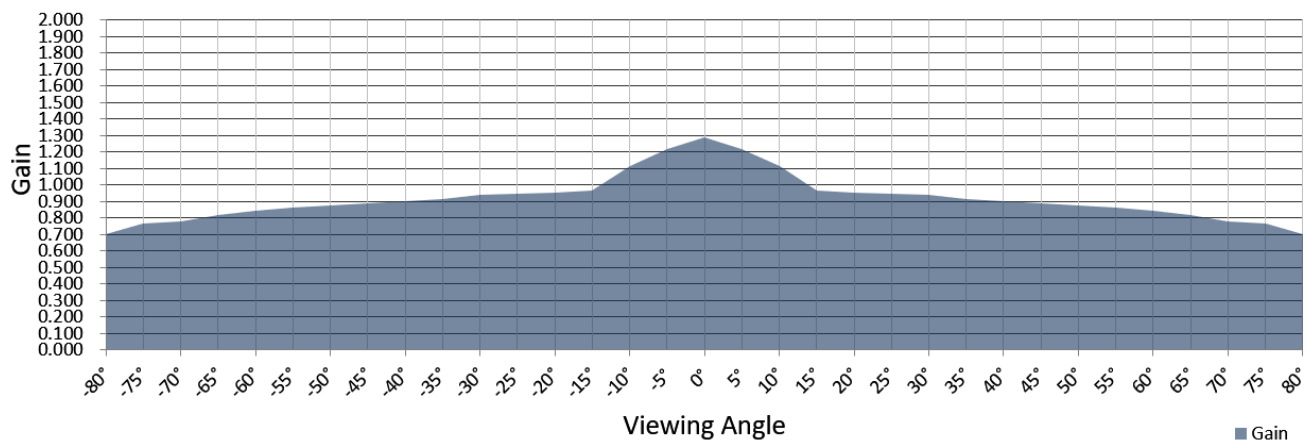
On-axis gain is 1.3 from 0 degrees

4.2 Viewing Angle

Maximum viewing angle is 180°. Half-gain is never reached.



On axis 0° Gain: 1.3
Viewing Cone: 180°



Section 5: The Importance of an ISF Certification

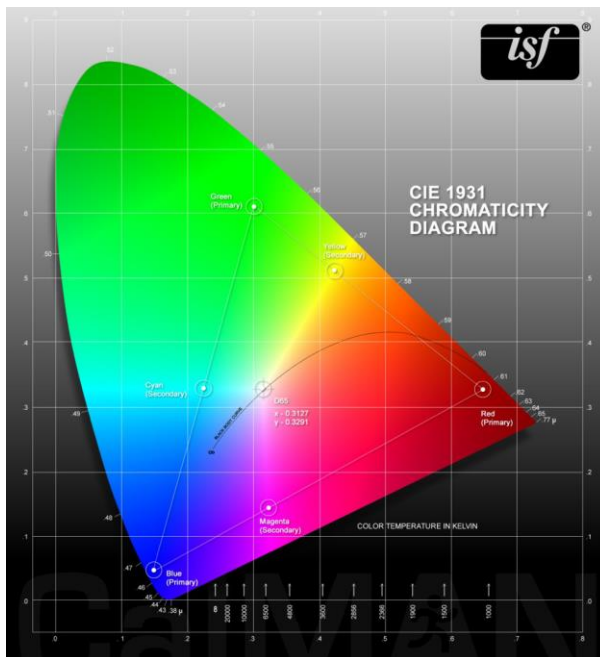


ISF endorses products that contribute to systems with "**High Fidelity Video**" through formal licensing programs. They have two licensing programs. One is based on compliance with standards for video performance and the other, **ISFccc**, is for HDTV products that are Engineered for Calibration." Those products can be calibrated for their specific brand's optimal performance for both Day and Night modes and will feature locking memories to ensure that client's investments in ISF calibrations are secure.

A projector screen's ability to achieve a D65 color temperature is determined by its ability to maintain accurate color fidelity with a flat spectral response. In addition to this, proper contrast levels (or "black levels") is essential for picture clarity.

Essential ISF qualities found in certified projector screens

1. **Accurate color fidelity:** This is a measurement of the projector screen’s ability to maintain the same RGB (Red-Green-Blue) color balance of the projector’s actual light signal.
2. **Flat (or “uniform”) spectral response:** The material will maintain a neutral appearance without color cast even as the projector lighting changes. This is also a key element in achieving superb contrast ratios.
3. **Black level performance:** This is a measurement of the actual black levels represented on the screen. Superb black levels mean the difference between crisp color clarity and visible details in dark images or a murky image with dull color representation.



"Elite Screens ISF certified screen materials deliver precise color fidelity that measures within mere thousandths of ISF's NIST traceable Lambertian White Reference Standard"

- Joel Silver, President of the Imaging Science Foundation.

www.imagingscience.com



Section 5: About Elite Screens

Company Description

Elite Screens Inc. is a California based company that specializes in making quality commercial and home-theater projection screens for the retail and custom install sales channels. Our company began as an innovative venture into the projection market by manufacturing veterans from the AV/IT industry. Elite Screens quickly established itself as an entry level commercial and home theater screen manufacturer. This was accomplished by making a quality product cost effective with a focus on mass-producing screen material, sizes and aspect ratios that were most commonly preferred by AV customers in general. We focused on uniformity with what would match the mainstream demographic while including extra features that are not usually included by other manufacturers. In time, we progressed from just retail sales into the realm of custom installer/integrator manufacture as our numerous reviews and awards will attest. We stand behind our product and are so certain of customer satisfaction with the quality of our product that we offer a 2-year manufacturer's warranty which is twice the industry standard.

In our continued devotion to excellence in products and service, we are committed to implementing green practices with our production. We have adopted manufacturing methods that promote conservative regulation of our energy needs. Our simple product designs combined with the expertise of our permanent staff ensures that our entire line of products are made by experienced hands devoted to the high standards of today's audio-video consumer.

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