

# EluneVision Reference Studio 4K 100 Screen Material

The EluneVision Reference Studio 4K 100 family of materials is specially designed to bring out the highest amount of details in today's 1080p projectors and future 4K projectors. The material achieves maximum detail and resolution through having absolutely no texture, thus providing the ideal projection surface. Any amount of texturing would change the geometry of the each projected pixel, which would in turn decrease the fidelity of the projected image. As well as being engineered for perfect detail, the screen material is an optimal lambertian diffuser which disperses light evenly across the entire 180 degree viewing cone, producing smooth and even light reflection. Designed and optimized for light-controlled environments, the EluneVision Reference Studio 4K 100 material is recommended when a reference level of performance is required.



- 1.0 gain soft-white, texture-free screen surface for a finely detailed, hot spotting free, high quality image
- formulated and tested to give maximum detail clarity and maintain perfect pixel structure with 1080P and 4K projectors
- near perfect lambertian diffuser - unity gain reference screen
- near perfect white field uniformity
- superior performance in environments where ambient light is controlled
- lambertian diffuser ensures 180 degree viewing angle for wide area seating
- reference level colour and contrast reproduction
- opaque material to block light from the back of the screen
- cleanable and fire resistant

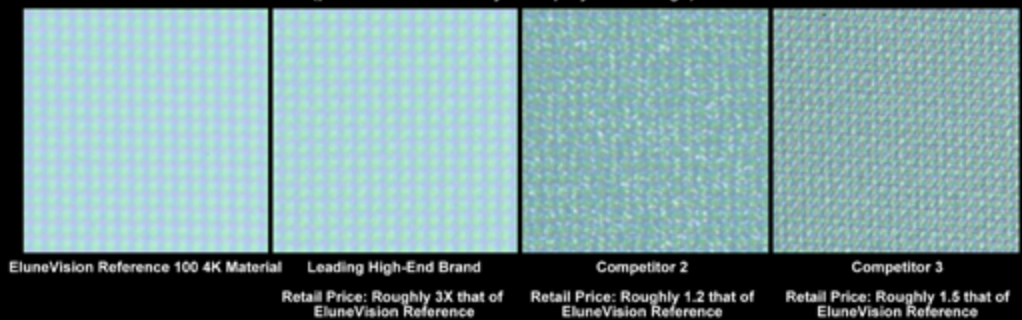
## Texture-Free Screen Surface

At EluneVision, much effort was spent designing a projection material that is texture-free. The result is that the Reference Studio 4K 100 family of materials have an extremely smooth and pit free surface. The EluneVision Reference Studio 4K family of screens have the highest clarity, sharpness and definition of any projection screen released to date. This means, simply, that the geometry of each projected pixel remains as the projector manufacturer intended - whether for today's 1080p projectors, or upcoming 4K resolution projectors.

To illustrate this point, the following images show our Reference Studio 4K 100 material beside considered the gold standard, but at much higher cost), as well as two other more expensive competitors.

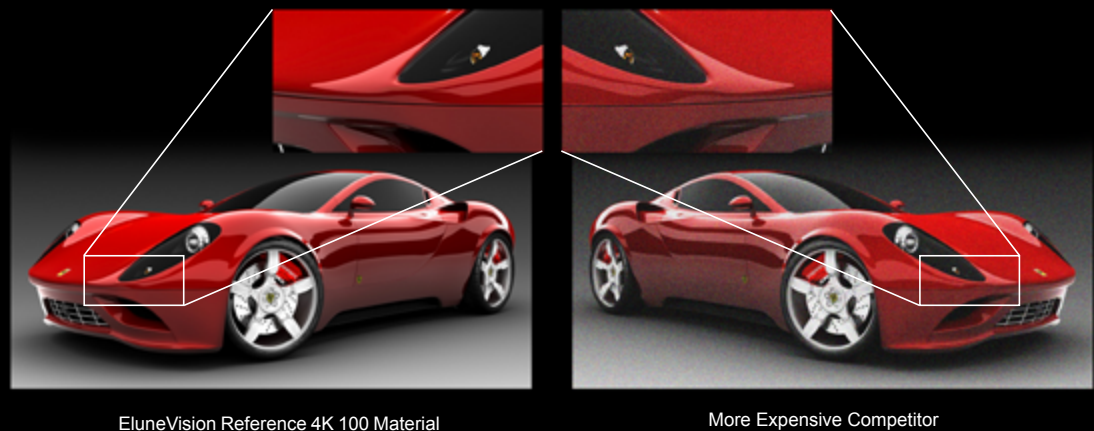
## Pixel Geometry Degredation Test EluneVision Reference Studio 4K vs More Expensive Rivals

(photos taken 2ft away from projected image)



## No Sparkles or Graininess - Complete Invisibility of Screen Material

Due to the use of a smooth and near perfect lambertian diffuser material, the screen has absolutely no sparkles. The screen was purposely engineered to disperse the light evenly in a hemispherical distribution, creating a perfect reproduction, as the director intended. The Reference Studio 4K 100 material will easily pass any of the common sparkle tests, which include fast action bright scenes such as hockey. This means that viewer will always see the image displayed on the screen as the projector manufacturer intended, and will never see the annoying imperfections present on competitors' screen materials.



**ELUNEVISION - EXCELLENCE, PROJECTED**

# EluneVision Reference Studio 4K 100 Screen Material

## Perfect Pixel Geometry



EluneVision Reference Studio 4K 100 Material



More Expensive Competitor

The lack of texture leaves pixel geometry perfectly intact with our material. Why is this important? With 1080p projectors now standard, and 4K projectors on the horizon EluneVision's material ensures that the effective resolution remains at 1080p and 4K, while other (more expensive) competitors degrade the pixel geometry to the point that the effective resolution is no longer even close to 1080p. Also due to the fact that there is no texturing and the preservation of detail clarity, the EluneVision 4K material will resolve 4K resolution in both today's high end and future 4K projectors, saving you a screen upgrade. The left image shows the degrading effects that typical textured screens have on the sharpness of the image, as compared to EluneVision Reference Studio 4K 100 material.

## Absolutely no Hot Spotting - 100% Screen Transparency

A big problem that you see with screens is an issue known as hot spotting. Hot spotting results in an area at the center of the screen with high glare and light, surrounded by a comparably darker image at the top, bottom and sides of the screen. As seen below, this results in a very unnatural image. This is not a phenomenon that only cheaper screens suffer from - there are countless examples of significantly more expensive Reference Studio 4K screens from competitors that suffer greatly from hot spotting, serving as a testament to EluneVision's engineering efforts in perfecting the Reference Studio 4K 100 material quality.



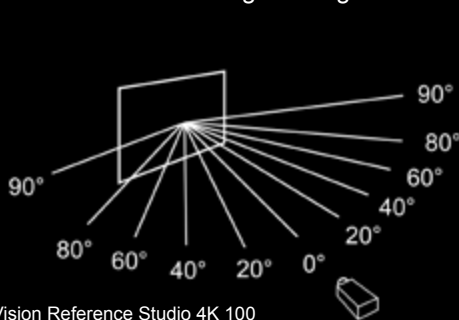
EluneVision Reference Studio 4K 100 Material



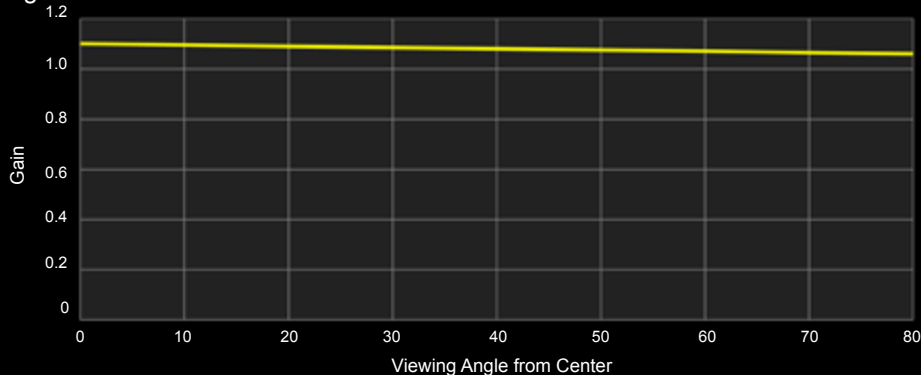
Leading High-End Brand  
Retail Price: Roughly 3X that of  
EluneVision Reference Studio 4K 100

## Ultra Wide Viewing Angle

Due to the near perfect lambertian diffuser properties of the Reference Studio 4K 100 material, the viewing angle is a full 180 degrees, allowing seats to be placed off-axis without any changes in brightness or white field uniformity. The image on the Reference Studio 4K material is consistent from edge-to-edge at all viewing angles.



EluneVision Reference Studio 4K 100  
Ultra-Wide Viewing Angle



ELUNEVISION

ELUNEVISION - EXCELLENCE, PROJECTED