

ENLIGHTOR 4K



Meeting the most recent needs of digital projection up to 4 K resolution (4096 x 2160)

Enlightor 4K uses a unique weave developed for its specific high resolution application.

Its design eliminates any **moiré** effect whatever the screen size and provides a resolution limit far beyond any existing projector.

▪ **Video**

Enlightor 4K is the ultimate neutral projection surface, providing an absolute whiteness. It also presents a negligible gain loss when compared to perforated screens. Its total absence of visible structure equals the best existing solid screen materials. In terms of video imaging quality, the Enlightor 4K sets a benchmark.

▪ **Audio**

Enlightor 4K **acoustic transparency differs from any other AT** screen fabric : It provides a uniform attenuation of -2.5 dB over the whole frequency spectrum, hence allowing to simply reajust volume level on the front channels without any type of EQ.

The attenuation is only in the amplitude domain, not having any influence in the time domain nor on the source directivity.

The Enlightor 4K's finely woven material appealed to the perfectionist videophile in me. It was the only woven screen that could resolve the JVC projector's pixel pattern. I imagine that with a 4K projector, the difference would be even more dramatic.

Brent Butterworth / Sound & Vision Magazine, June 2009

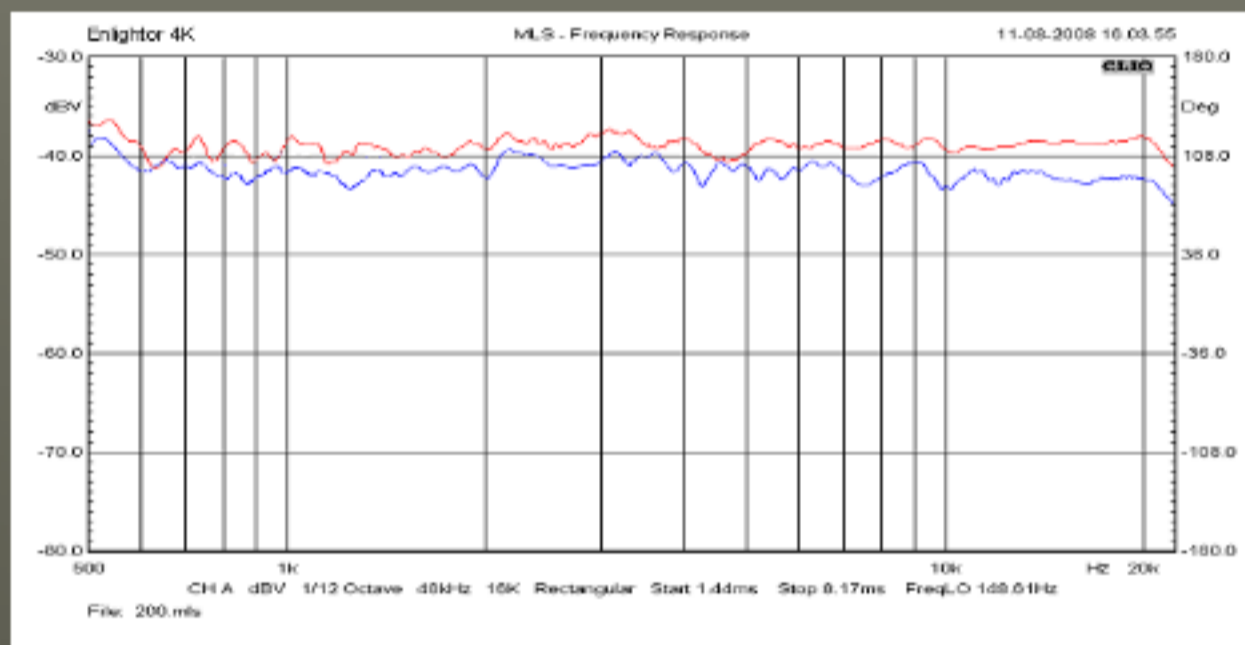
It is the finest weave in an acoustically transparent screen. This material would be the best for 9 foot or greater viewing distance

Jeff Meyer / AccuCal Front Projection Screen Report-1

I have to say I was blown away with the quality of the screen ! It is a woven one, not perforated and it behaves beautifully, both visually and acoustically. There's no HF roll-off, just a smooth, linear attenuation of about 2dB across the whole spectrum. No screen loss compensation !

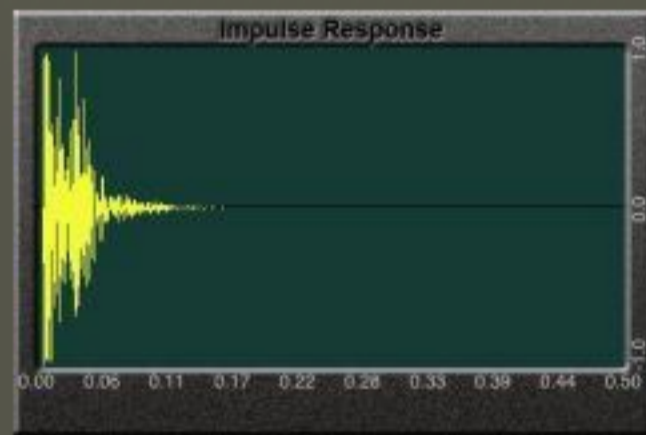
Branko Neskov, owner of Loudness Films Studio, January 2011

Specifications

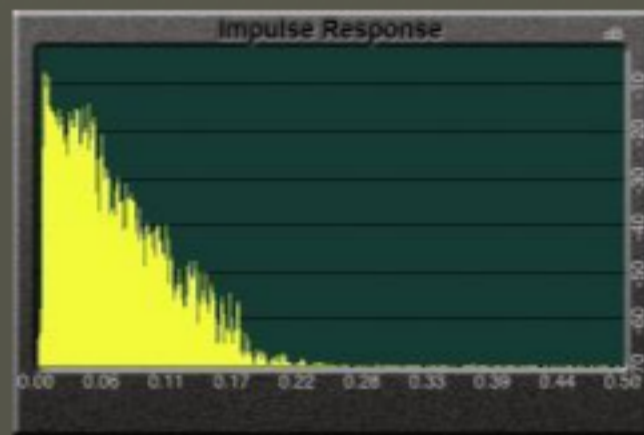


Acoustic response comparing Enlightor 4K screen, combined with its black backing layer (blue) with the reference speaker's direct output (red).

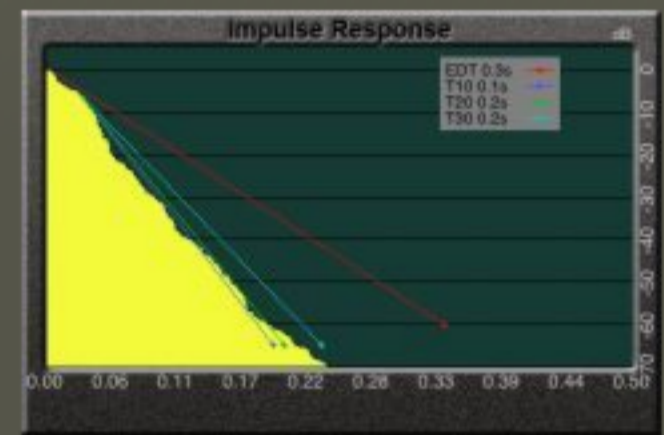
Note even response and quasi-constant attenuation at all frequencies



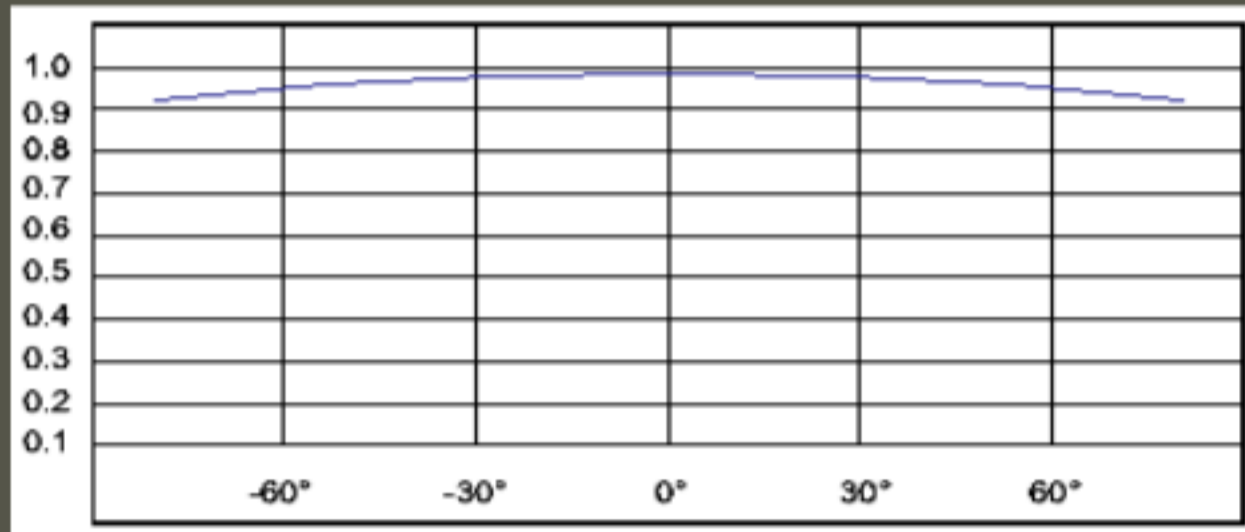
Impulse response of Loudness Films control room monitors through Enlightor 4K+BB



Energy Time Curve response of Loudness Films control room monitors through EN 4K+BB



Shroeder response of Loudness Films control room monitors through Enlightor 4K+BB



Projection gain vs. viewing angle

Other features

- Gain White screen : 0.95
- Flame-Retardant (US)
- M1 (F, S, I)
- B1 (Germany)
- Thickness : 0.4 mm
- Weight : 210 g/sq.m

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