LED Light Frame

The ‘LED Light Frame’ is a refined proprietary design from NES Lightline.
6-8mm toughened low iron glass is clamped on all 4 sides within a single piece, extruded aluminium profile.
The glass is supported with a white plastic kada. This both cushions and isolates the glass.
On the internal face of the glass a diffused vinyl layer provides diffusion for the LED illumination.
In the back of the Light Box unit a Matrix LED Light Panels is fitted.
This features lensed LED backlighting modules in a linear array.
The evenness of illumination is calibrated for the depth of the unit within a measured tolerance.

Luminaire Specification:
LED: Osram Duris 2835 SMD chip
180 degree lenses
Expected lifetime: 50,000 hours (at 70% brightness)
Colour temperature: 4,00 kelvin
Chromaticity control standard: “3-Step MacAdam ellipses”
Efficacy: 111 Lumens per watt (pre diffusion)
CRI: 80+
Estimated Lumens per sq. m: 18,000 Lumens (pre-diffusion).