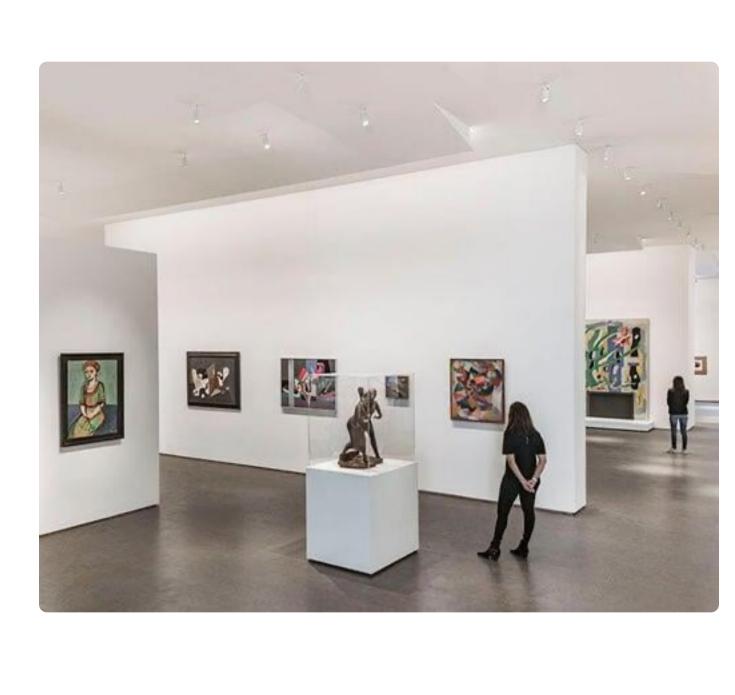
HOME

ABOUT ~



Q-Wall QuarkStar

million (US\$450 million) art gallery.

The Q-Wall lighting optics developed by QuarkStar are being used for the first time in new £330

lighting design practice L'Observatoire for the newly opened Kinder Building, centrepiece of a massive expansion to the Museum of Fine Arts in Houston. The expansion was the largest fine art gallery project in

QuarkStar's radical Edge-X technology has been specified by

North America in 2020, designed by US Steven Holl Architects in partnership with Kendall Heaton. QuarkStar's Q-Wall asymmetric linear lights with the Edge-X optics have been installed in nearly all galleries that use artificial lighting as their primary source of exhibit illumination. The luminaire has an optic of less of 2 cm wide yet illuminates 5m-high walls with a high degree of uniformity.

It also uses colour tuning of its LEDs to match the prevailing daylighting environment.



Edge-X doesn't use a waveguide as a light-emitting surface. Instead, it acts solely as a guide and mixing chamber. Using

refraction instead of reflection, the 'light shaping' lenses – an 'injector' and 'extractor' – at the edges guides the output from LEDs and 'sculpts' the distribution of light in a space. The benefit is that one can achieve distributions superior to traditional luminaire designs with the added bonus of colour mixing from a much smaller fixture.

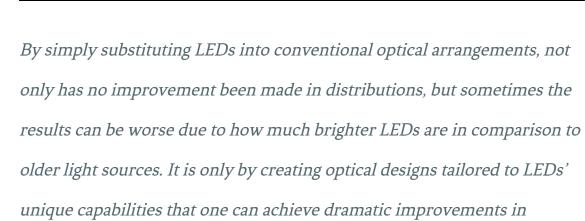


edge of the waveguide, Edge-X is able to produce precise distributions that have never been accomplished by conventional waveguide technologies before.

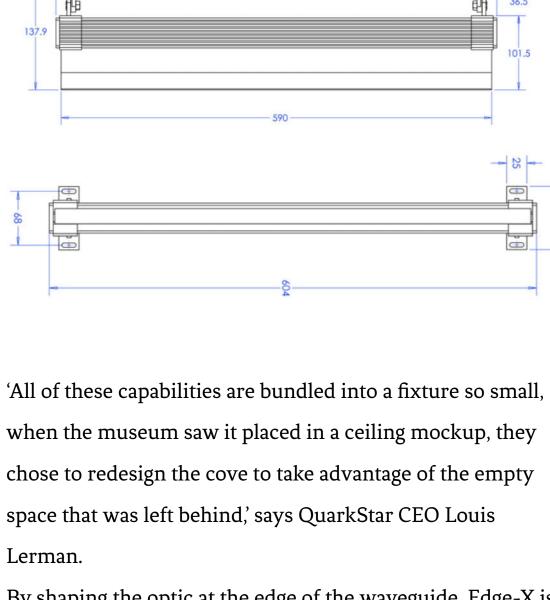
Examples include asymmetric wall-washers with a

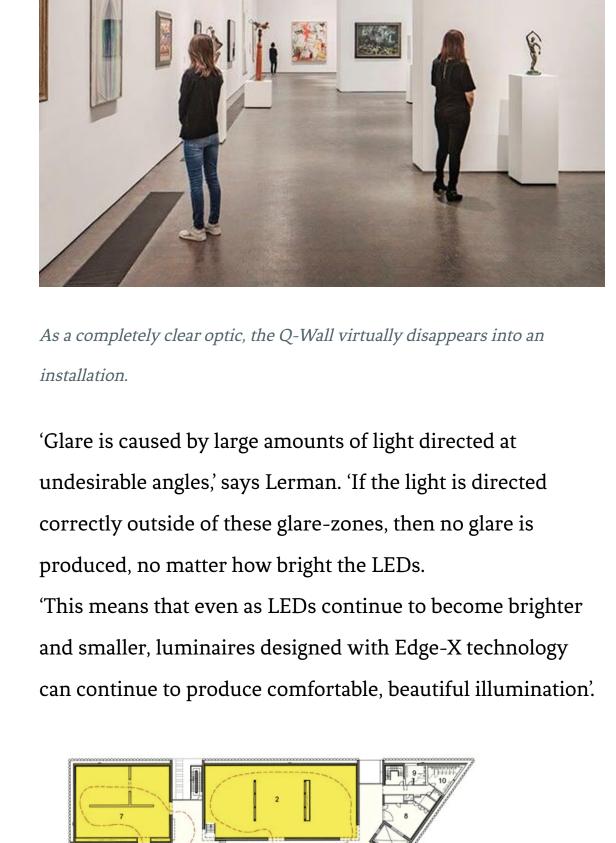
By shaping the light right as it leaves the LED and at the final

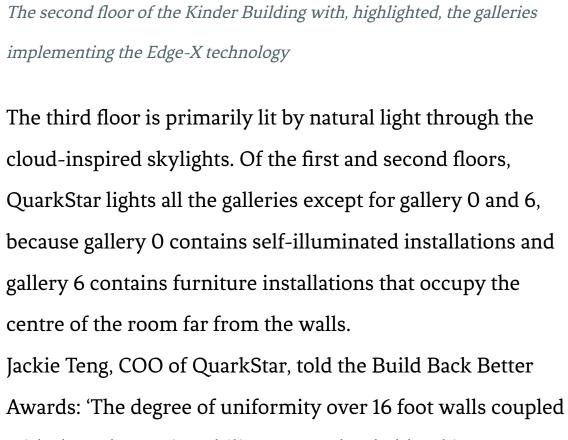
uniformity ratio of 3-to-1 compared to, at the time of the museum project's specification, an industry average of 10-to-1, and even downlights which can include an uplight component.



function, uniformity, efficacy, and manufacturing costs. **DIMENSIONS**

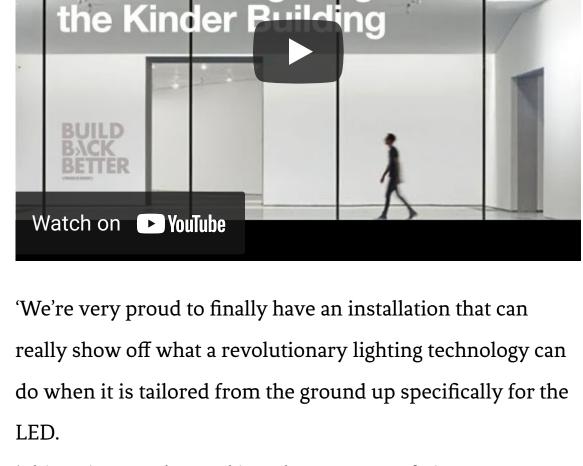




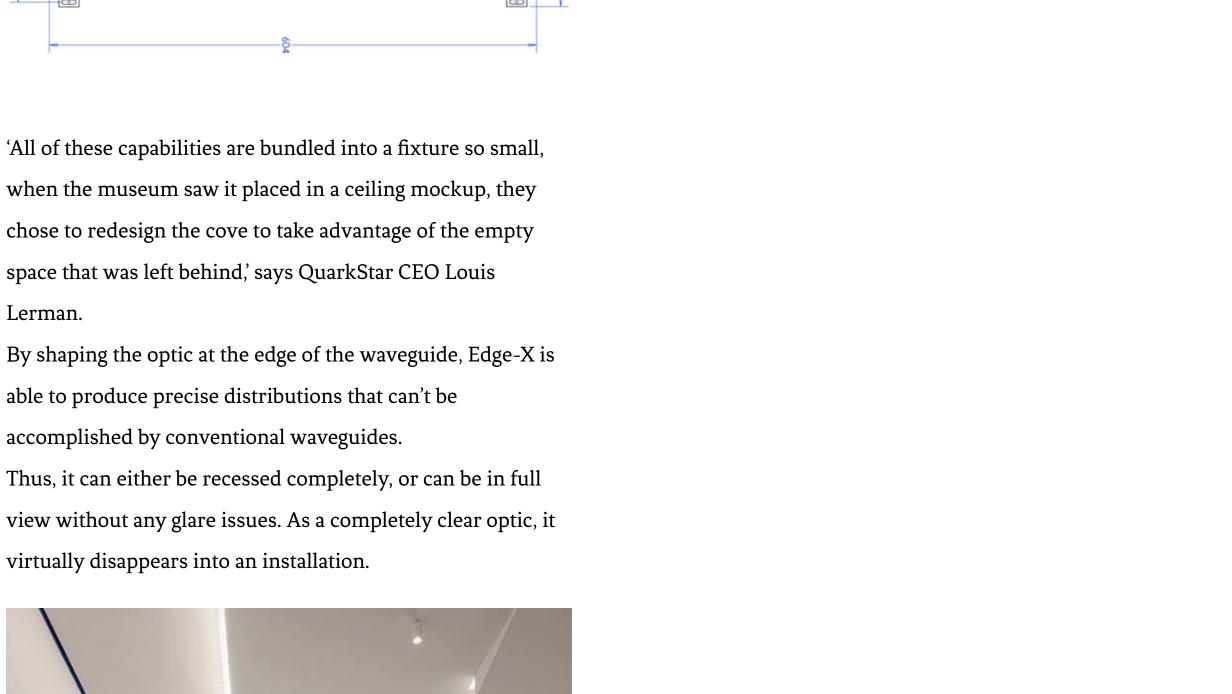


ceilings since they'd assumed the prior state of the art - that a much larger set of fixtures and gigantic optics was required to even attempt such ambitious goals. 'It truly demonstrates the real-world nature of our revolution in lighting optics. 'The beginning of the solid-state lighting industry had been simply replacing incandescent sources with LEDs in a purely

evolutionary trend that meant LED luminaires were nearly indistinguishable from previous generations of lighting technologies in terms of light distributions. BUILD BACK BETTER AWARDS: Lig...



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with the color tuning ability to seamlessly blend into a daylighting environment from a footprint this small is unprecedented. 'All of this comes from a fixture whose optic is less than an inch wide. The architects literally redesigned the gallery

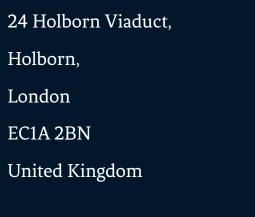


'This point goes beyond just the Museum of Fine Arts project.'









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