

DIFFRACT ME

EXTENSIVE PROJECT PROPOSAL 1/2

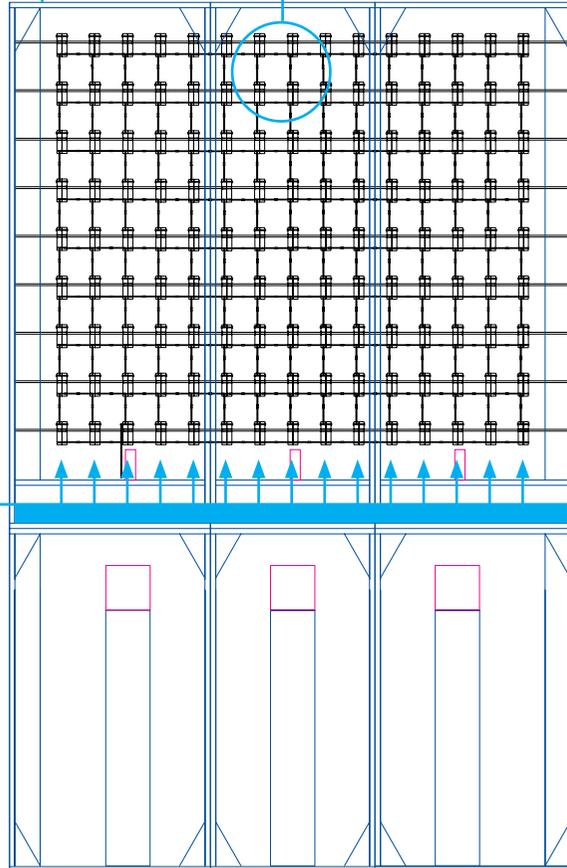
Lighting Design

n.b. The drawings portray a physical hypothesis, currently under validation. Depending on the installation placement, its dimensions, form factor and case shape are subject to change.

As an indication, the structure housing the prisms could be approximately 4 meters high and 2 meters wide, with the first row of prisms starting at a height of 1m80.

Structure

The frame houses a matrix of prisms mounted on axis.

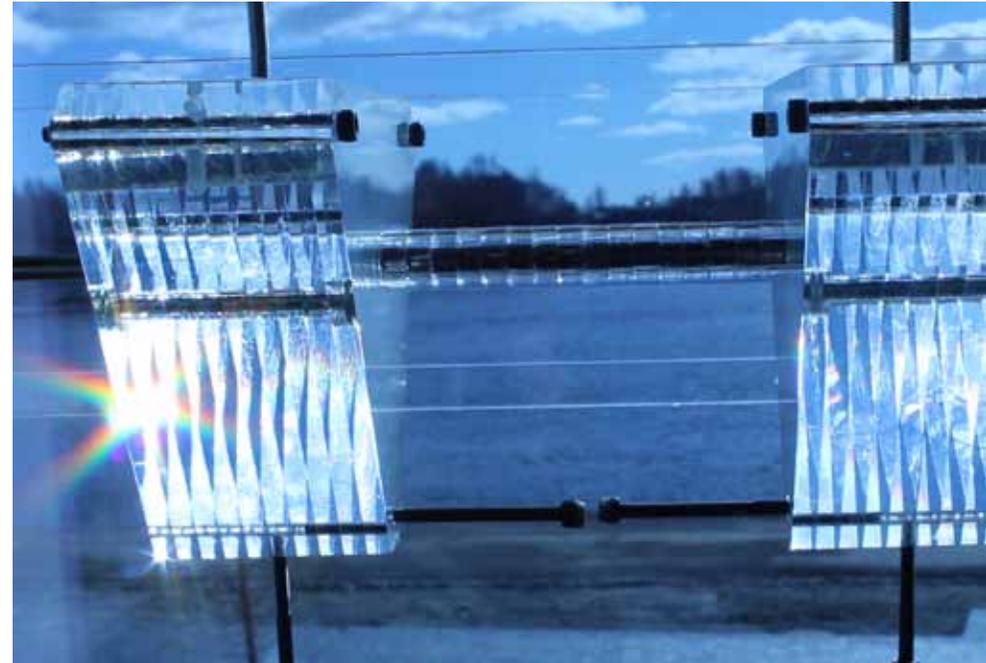


Lights

Multi-coloured high-power LEDs mounted within the frame shine up through the prisms

Prisms

Acrylics prisms (9 by 4 cm. each) are mounted on stainless steel axis and are interconnected through magnets. Each prism can rock and back and forward on its axis. This movement of one prism is transferred to its neighbours in a ripple-like effect.



Pattern

The coloured light is reflected and diffracted through the matrix of prisms and projected onto a nearby facade as a large and complex pattern. The ripple-effects created by visitors are reflected in this effect, which becomes a dynamic, shimmering array of colours. This image shows a still of the effect with a single prism and lightsource

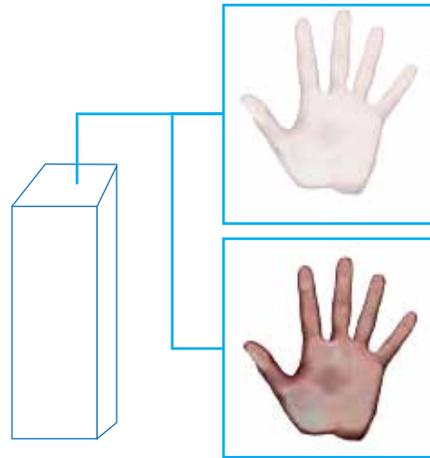
DIFFRACT ME

EXTENSIVE PROJECT PROPOSAL 2/2

Interaction

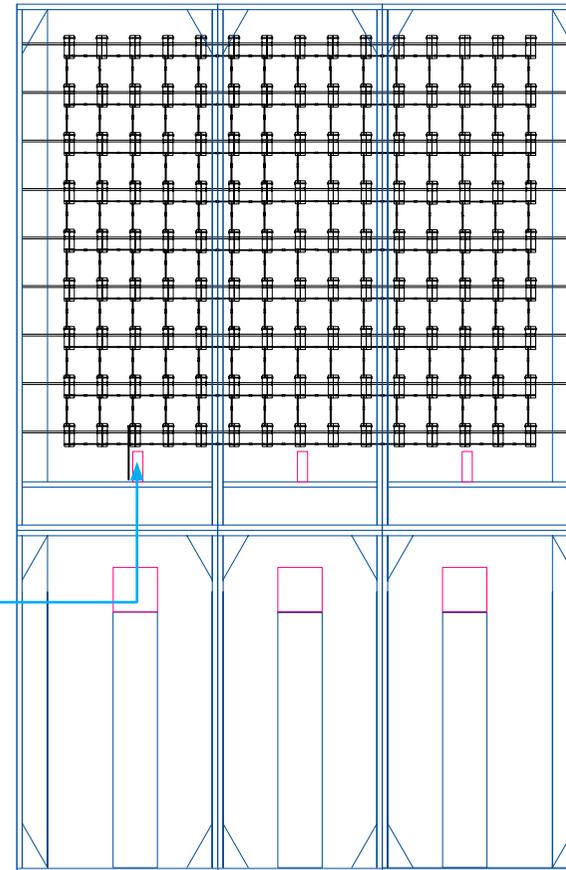
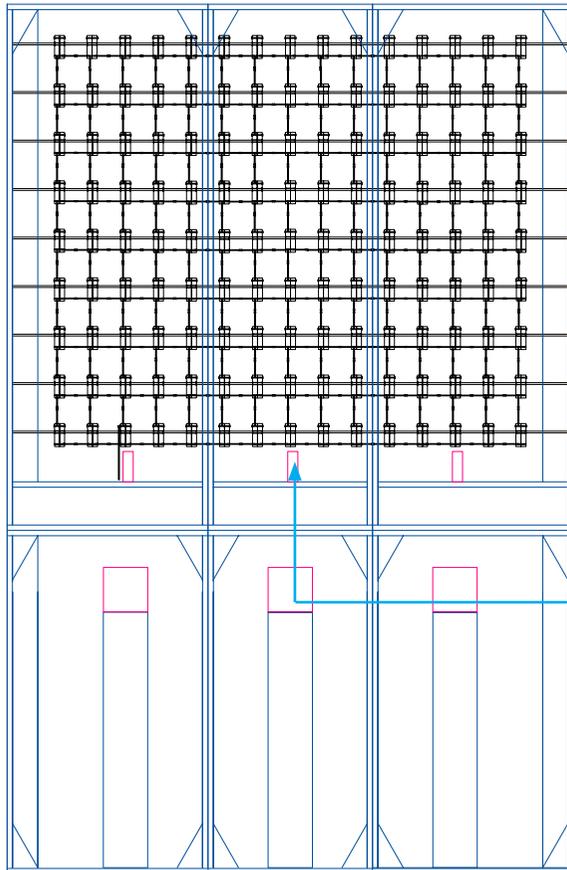
Column

Visitors can physically interact with columns near the installation. Their physical movements are directly translated to the movement of the bottom prisms. The movement of one prism is slowly transferred to the others in the installation.



Place your hand on the surface and rock it back and forward to control one of the bottom prisms.

The hand of a person interacting with another column is projected on the surface, and you can feel its movements, inviting you to engage in a subtle dialogue based on the sense of touch to negotiate the movements of prisms together.



Interaction

The two separate installations are mirrored and connected. The movement at one column is transferred to its counterpart.