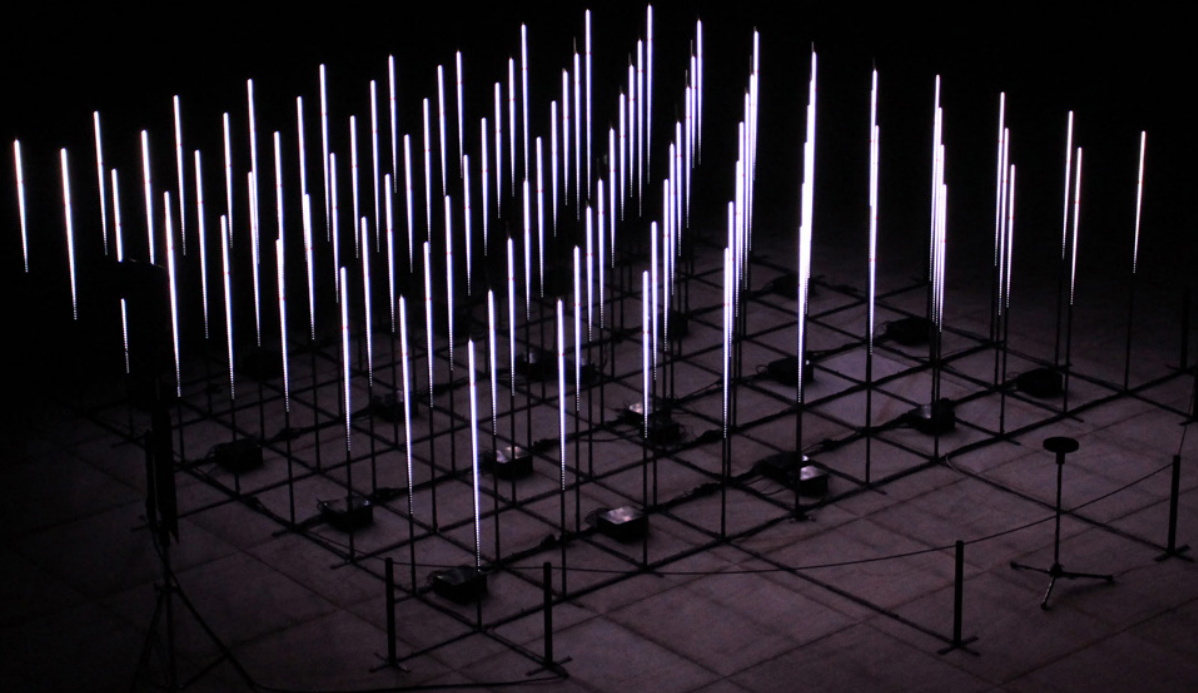


STRATUM

Interactive light installation



Author : Studio Chevalvert (contributors : Stéphane Buellet, Arnaud Juracek, Patrick Paleta and Julia Puyo Calvo)
Technical development & Manufacturing : Hémisphère - Chevalvert
Production : Mirage Festival - Dolus & Dolus
Original Creation - Lyon - La Fête des Lumières 2017

Contact and information :
Production : Léa Muron // lea@miragefestival.com
+33 6 78 64 60 71
Technical Manager : Arthur Magnier // arthur.magnier@netcourrier.com +33 6 59 34 56 74



[Click here to see the video](#)

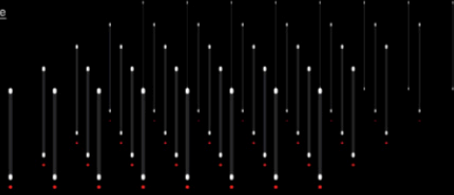
Stratum is an interactive installation which lets you influence a “light territory” by the gesture.



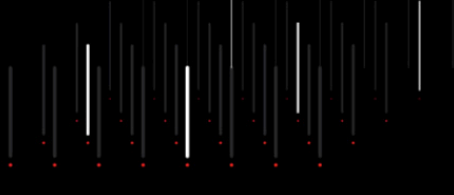
The movement of the hand above a recording interface is materialized into lights stratum. This reaction triggers a visual resurgence of the gesture, visible and tangible, like an ephemeral geology of the movement.

The installation is composed of 92 metal totems on which are placed stripLEDs, and a tripod, the interaction zone.

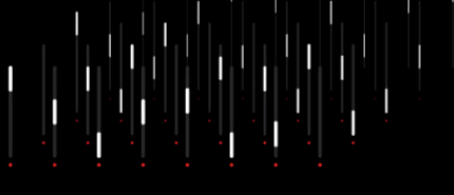
Stratosphere



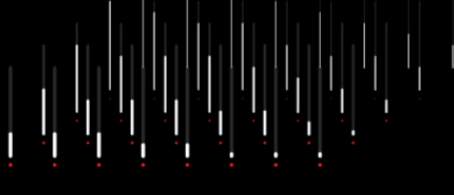
Lightening



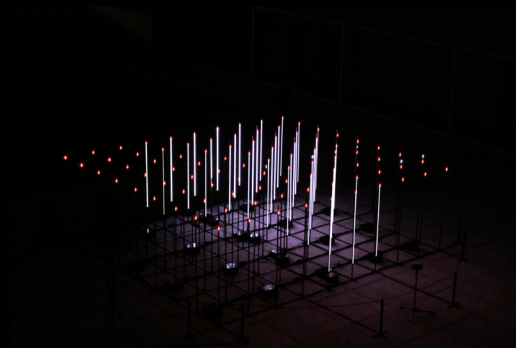
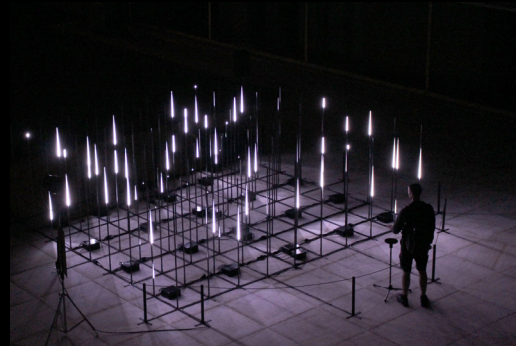
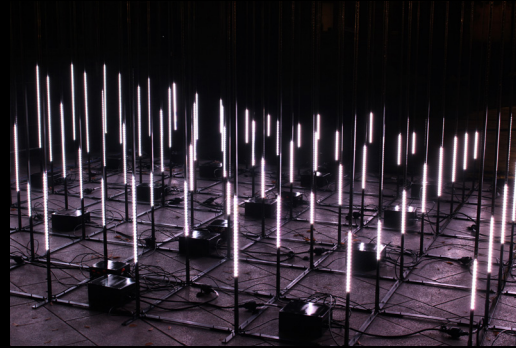
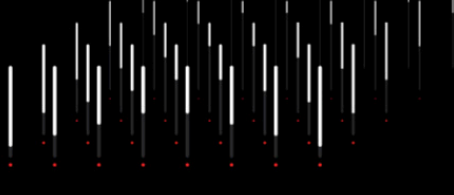
Shower



Ground



Cave



The lights stratum, provoked by the spectator, represents several universes: cave, ground, rain, lightning and stratosphere. Each universe also has its own sound design.

The gesture is detected by a Leap motion. Connected to a computer that controls and set off the various lights and sounds universes, it sends information to the boxes at the bottom of the totems.

The interaction is only possible one person at a time. However, the different visuals and soundscapes are rich enough for the other spectators to be immersed in a contemplative state.



REFERENCES

Fête des Lumières de Lyon

December 2017 - Lyon - France

Bright Brussels

February 2018 - Brussels - Belgium

Ring Nancy

April 2018 - Nancy - France

Webconference

April 2018 - Lyon - France

Gau Zuria

June 2018 - Bilbao - Spain

Festival Scopitone

September 2018 - Nantes - France

Signal Festival

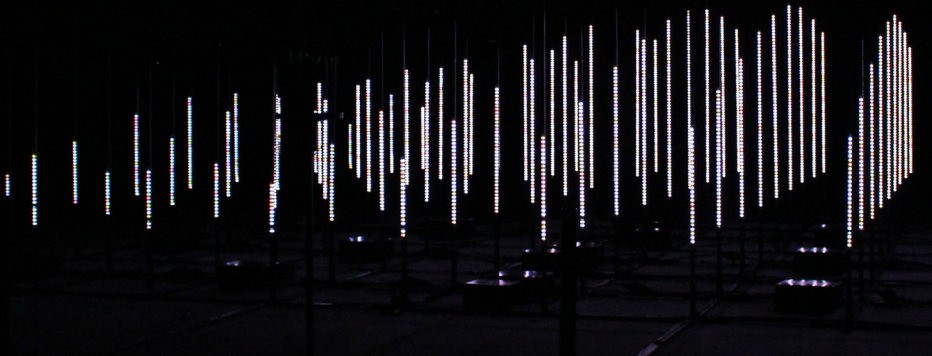
October 2018 - Prague - Czech Republic

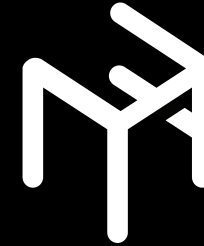
Festival Chroniques

November 2018 - Aix en Provence / Marseille - France

Fête des Lumières de St-Gervais

December 2018 - St-Gervais - France





Chevalvert is a visual design studio co- founded by Patrick Paleta and Stéphane Buelllet in 2007. Based on an open and multidisciplinary approach of design, Chevalvert studio conceives projects without a priori, where the form serves the idea.

The creations of the studio are shared between institutional, cultural and industrial orders and self-initiated projects. The knowledge and expertise of the studio bring a cross-perspective on the problematics approach and allows relevant and coherent answers in each aera of graphic design.

Mirage Festival has been investigating the links between art, innovation and technologies over the past six years in Lyon (France). The event brings together a host of artists and creative minds who actively contribute to the reinvention of artistic practices and their methods of representation using technology. The festival's main goal is to create a platform / hub to foster and support the promotion of digital arts and all sorts of creation inspired by technologies and new media.

In addition to becoming one of the must-see event in digital arts in France, Mirage Festival has also start to produce artworks, installations, exhibitions for businesses, communities, events and other institutions.

TECHNICAL RIDER

Technical features

Size and weight:

The ground dimensions are 688 x 632 centimeters.

The interaction device handled by the public is placed at 2.5 meters from the structure, centered in width.

The 92 LEDs totems are 1,80 meters height.

Description of the metal parts and their weight:

100 metal bases:

Dimension: 120 * 80 * 100 cm

Weight: 80 kg

100 totems (aluminum rail U) Dimension: 15 * 15 * 180 cm

Weight: 40 Kg

177 iron junctions

Dimension: 8,5 * 30 * 60 cm

Weight: 132 kg

Total weight of the installation 350 KG (with the stripLEDs).

Transport boxes: 2 flights (198 x 108cm + 5 canteens (120 x100 x 72cm) = 491kg

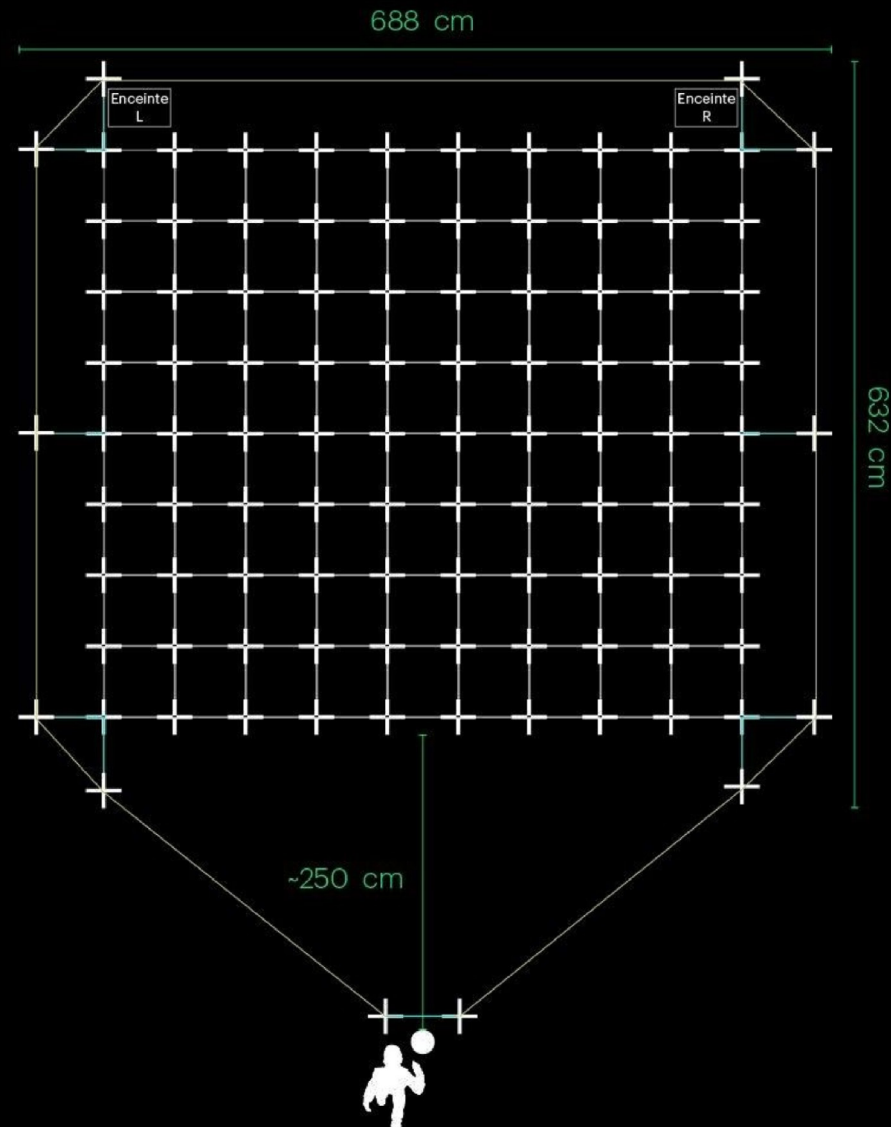
Electrical needs

Access to the electricity network, 2 * 16A electrical outlets

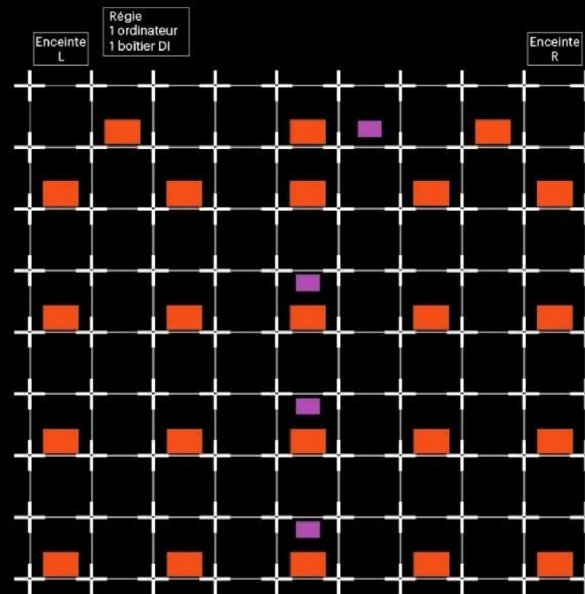
(one for the stripLEDs, the other one for the Mac mini and the sound)



Site plan of the structure with the guard-rail



Site plan of the “Node” and “Switch” cases



- Hardware box
- Switch Box
- Leap Motion



NECESSARY MATERIAL

Furnished by Mirage Festival:

Structure of 92 totems (LEDs included) and their bases
Spare totems
Mac Mini
Leap Motion, support and base
USB Extension cable, connecting the Leap Motion to the Mac Mini
Waterproofs cases, which allows the control of the LEDs' totem
Ethernet switches and RJ45 cables, connecting LEDs totems to the Router
XLR Cable + 2 DI cases

Furnished by the promoter:

2 Amplified speakers on stands
2 * 5m extension cord and 2 electrical power strips
1 fire extinguisher
Delivery of 2 electrical outlets of 16A at the back of the structure, with cable protectors if necessary
1 speaker Stand with Crankcase
2LED PAR Floodlight (Shower lighting on the interaction zone)
2 Halogen Garden Floodlights. Lighting for Security

SET-UP / DISMANTLING TIME

Set-up:

2 persons x 2days

Dismantling: 2 persons x ½ day

Human Resources:

Besides the two technicians for the set-up/dismantling, please anticipate:

1 technician for the operational period

1 person near the interaction zone to guide the audience when the installation is running

CONTACT AND INFORMATION

Production : Léa Muron
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