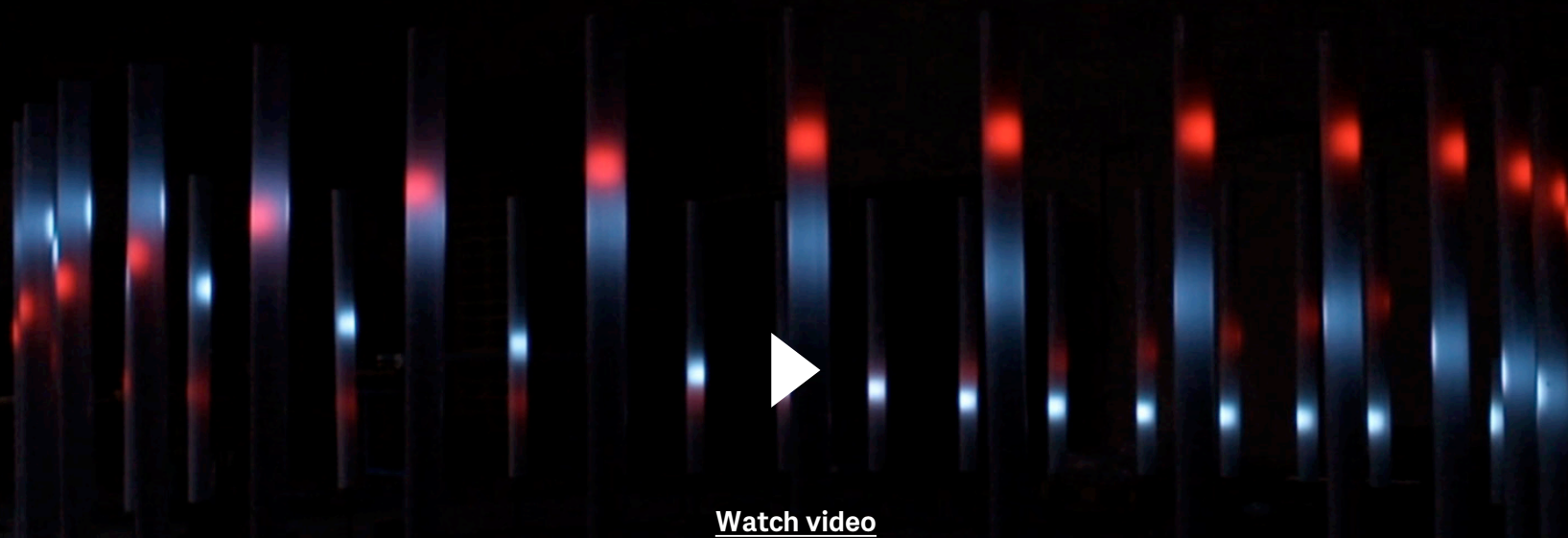


Rythmus

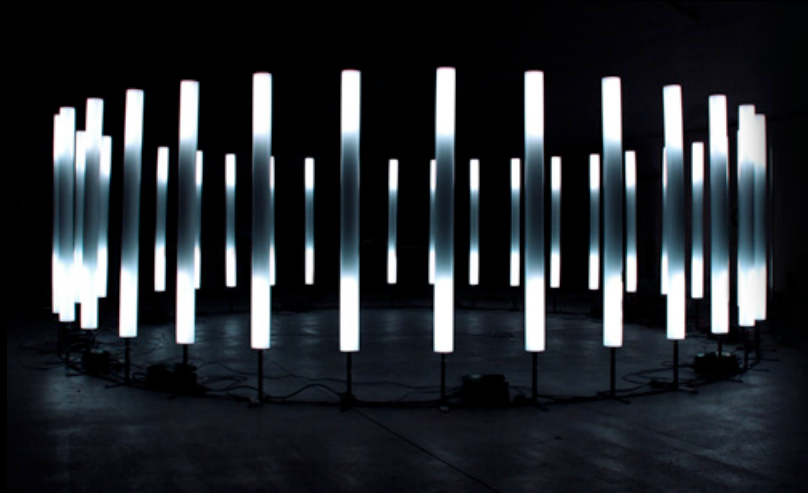
Studio Chevalvert — contributors:
S. Buellet, A. Juracek, P. Paleta, J. Puyo

Technical development:
Hémisphère - Chevalvert

Production: Mirage Festival - Dolus & Dolus
Original creation - Lyon - La Fête des Lumières 2018



[Watch video](#)



Luminous beats

In Rythmus, the hand, and by extension the body, is the medium to get connected to our biological rhythm and to the circular interactive sculpture.

Rythmus is an installation that materializes the heartbeat of two people that are connected, face to face, to a circular network of interactive light totems.

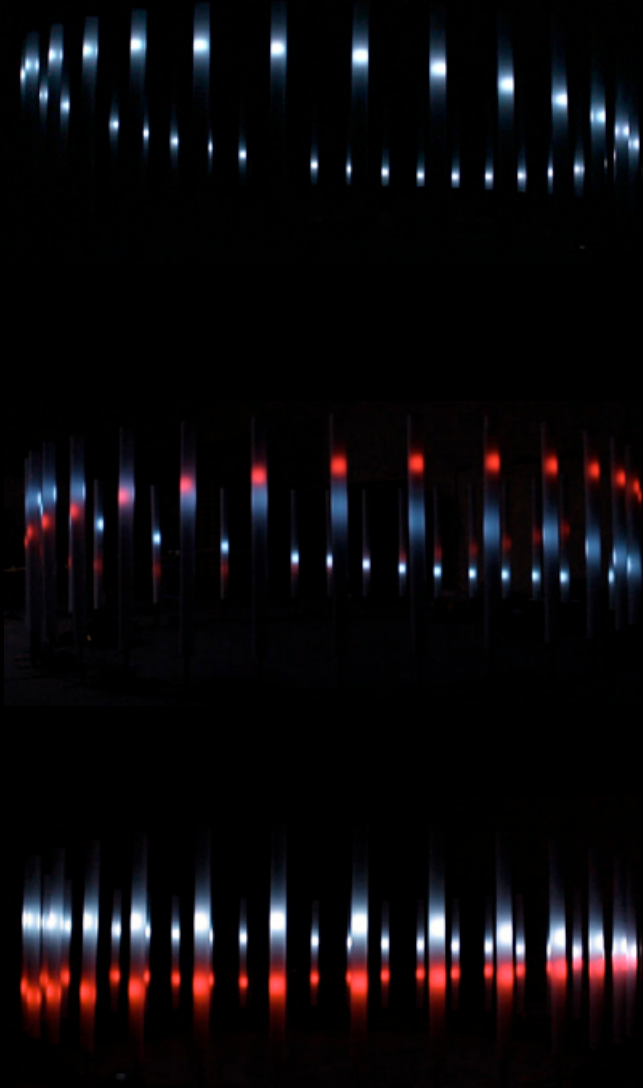
These totems of light “live” in connection with the cardiac rythm of users. A collection of interactive visuals, based on the notion of cardiac rythm representation, will unfold and evolve according to the concordances and differences of the heartbeats of the users.

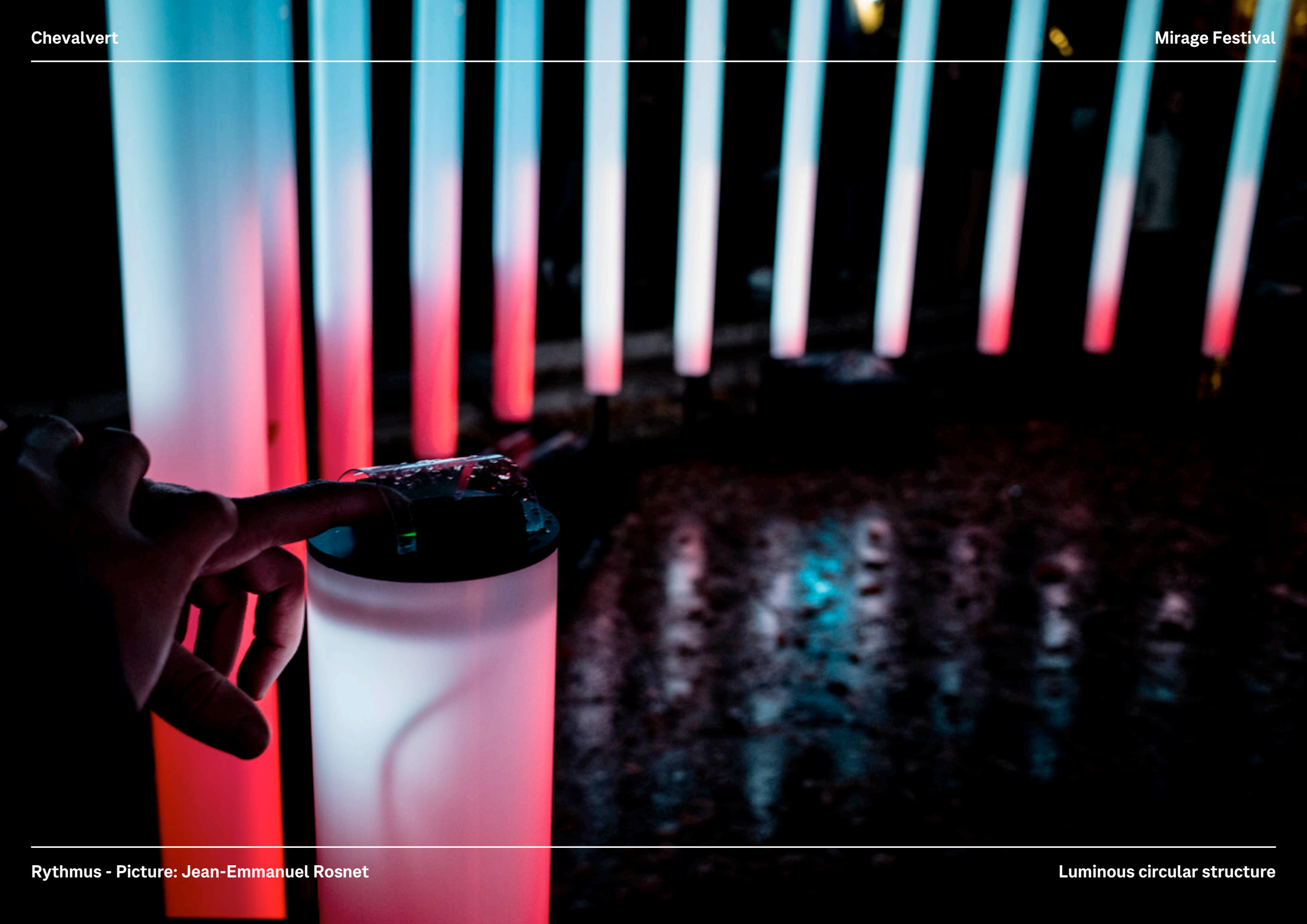


A structure-organism

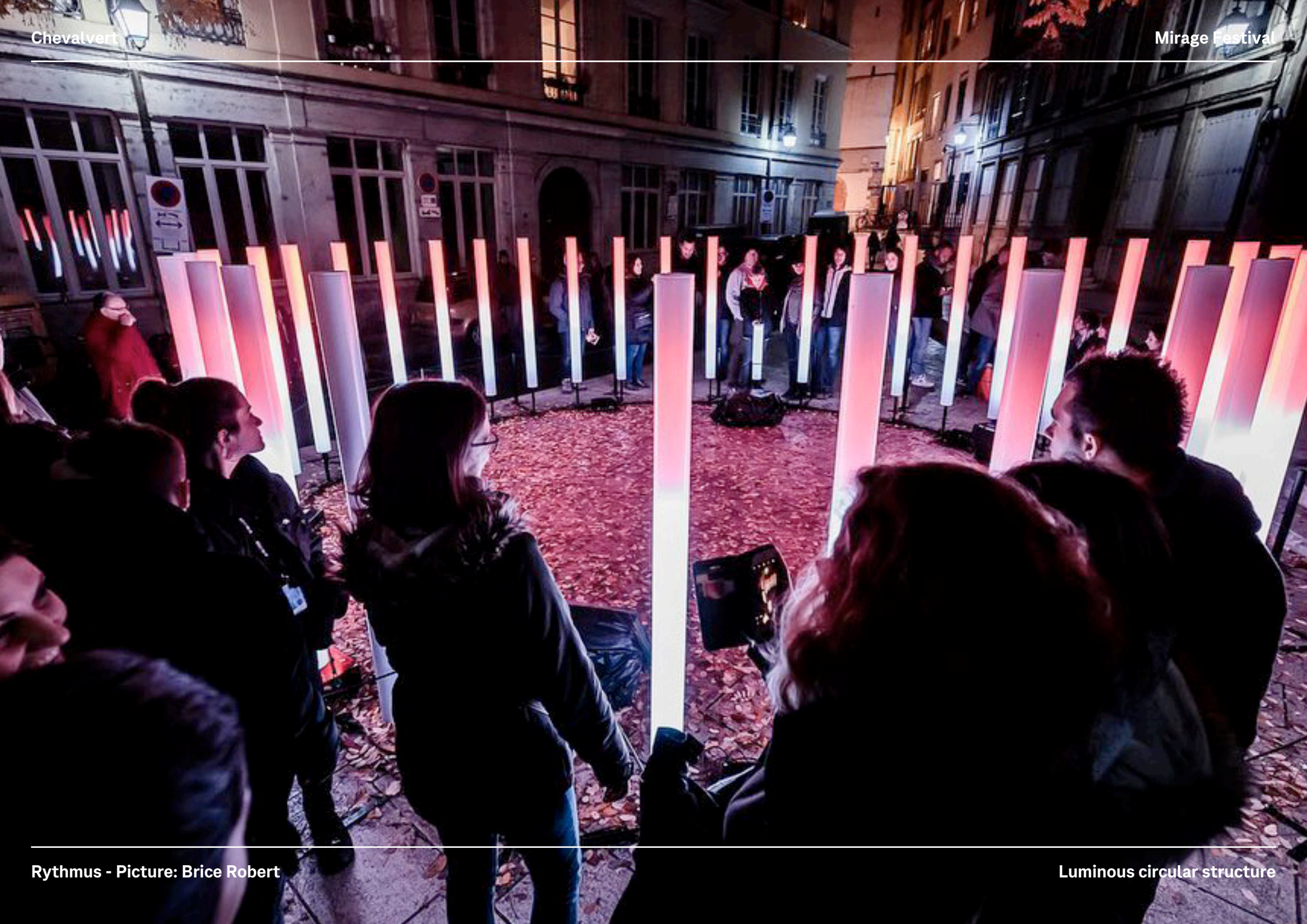
Rythmus is an installation that turns visible a vital and intimate phenomenon: the heartbeat. Thereby light cycles unfold and evolve according to the concordances and differences of the heart rhythms of two users placed face to face.

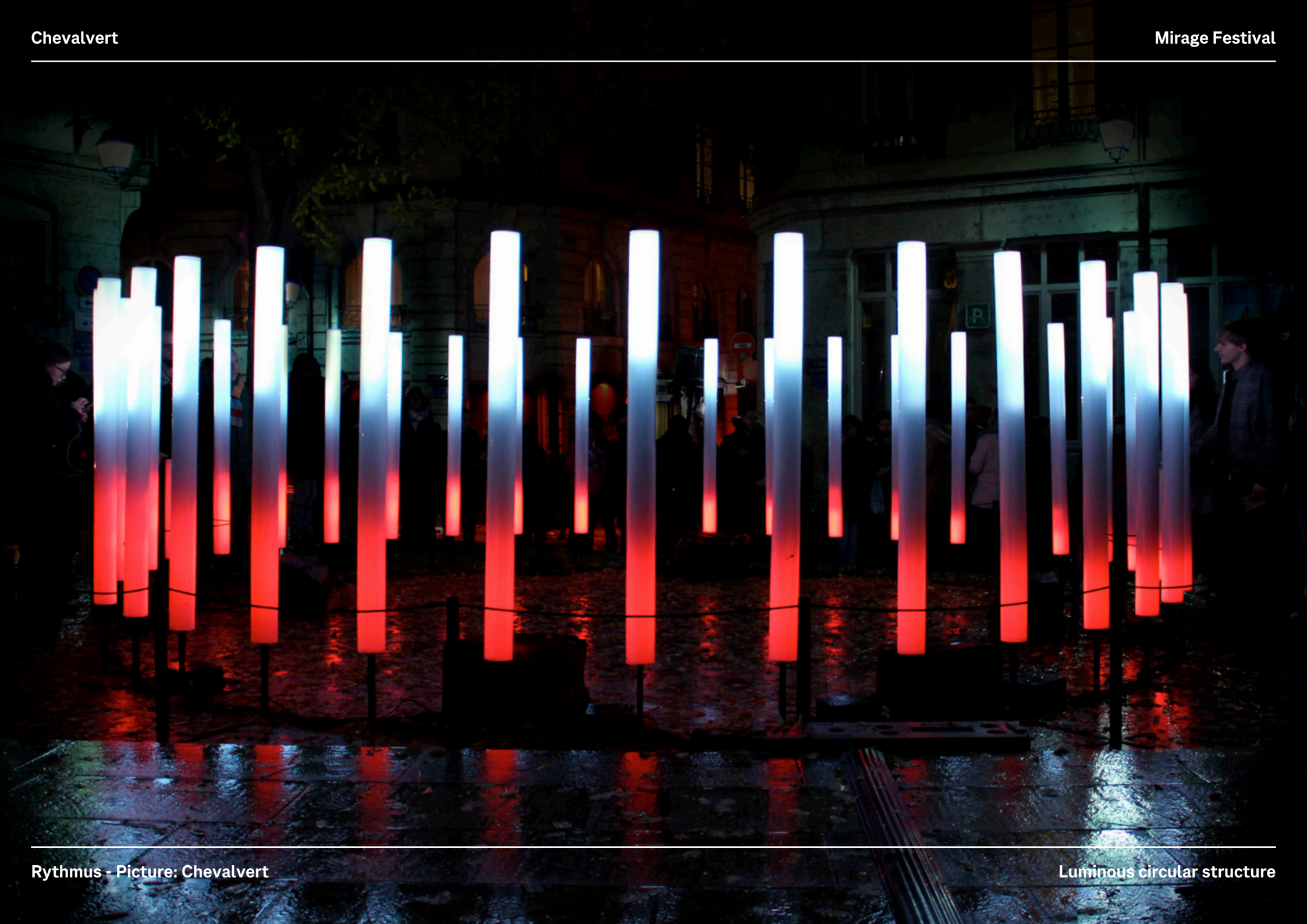
Rythmus metamorphoses this individual physiological phenomenon into a collective experience. These exchanges, this biometric dialogue, generates sound and light rhythmic on the structure and the space in which the installation is staged. The device thus creates a union between the two users, the organic structure, the public and the surrounding space.















Chevalvert is a visual design studio co- founded by Patrick Paleta and Stéphane Buellet 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.

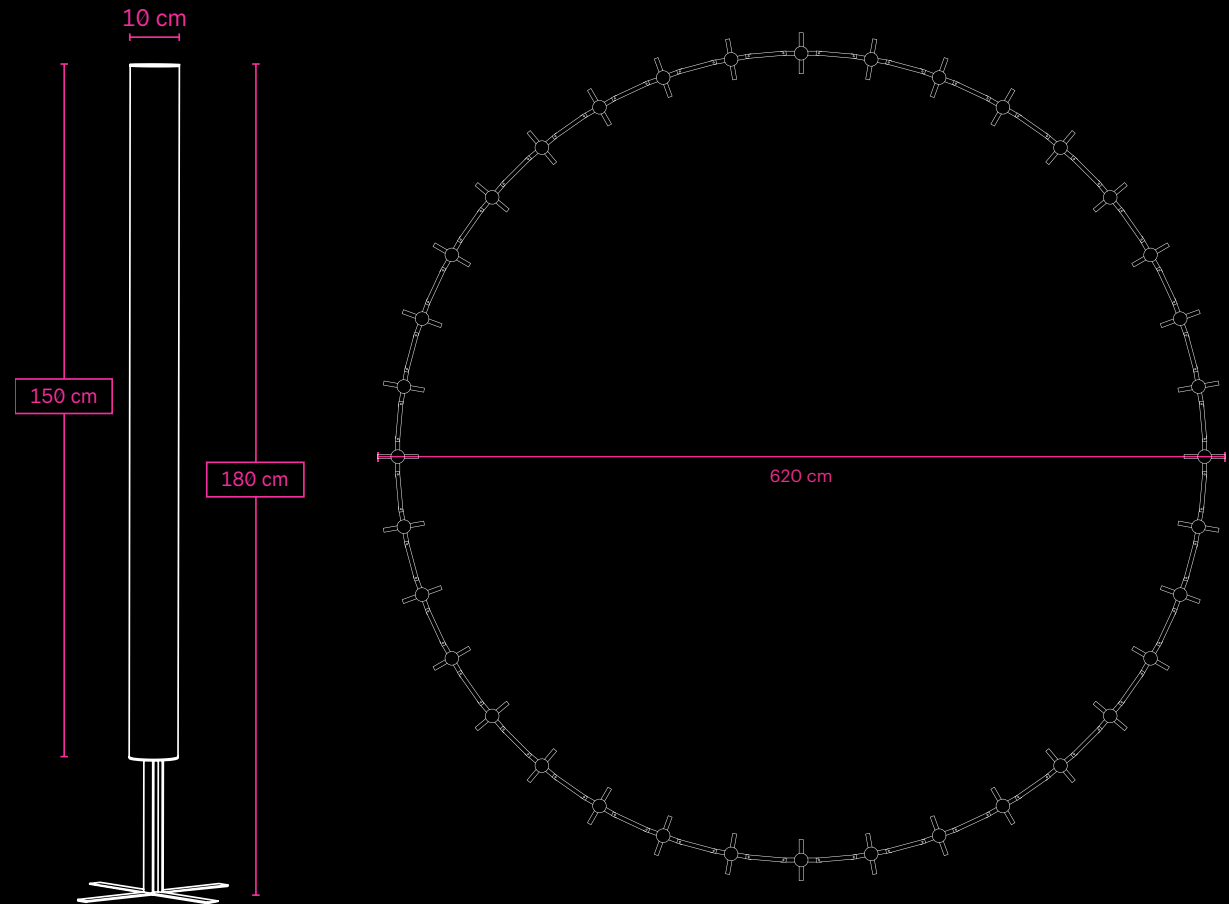
Technical rider

Luminous totems

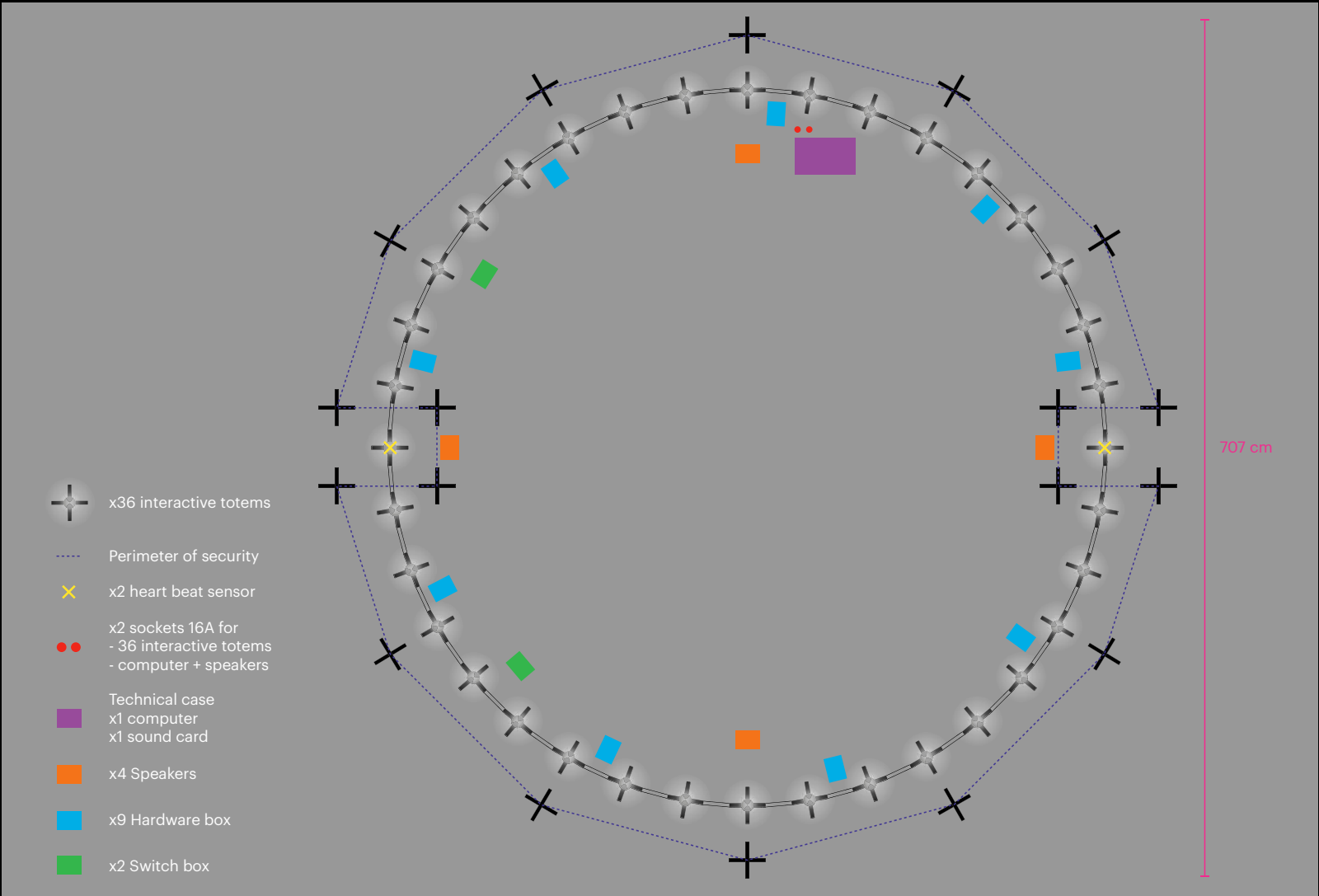
The structure is composed by 36 programmable light totems, arranged in a circle.

Each totem is composed of a metal foot, a square-shaped internal aluminum rail, two stripLEDs (one facing the inner face of the circle, the other facing its outer side) and a tubular diffuser covering the whole, adding an organic effect to the diffusion of light.

The pulse sensors are integrated into two totems.



Structure and hardware



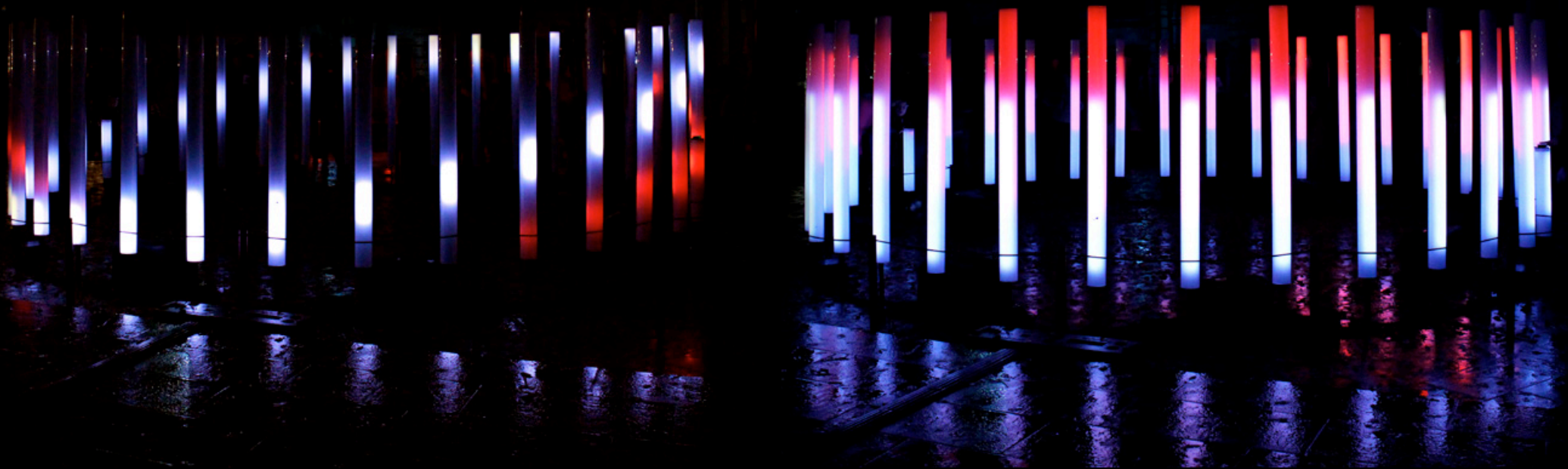
Interactive animations

Luminous behaviour

Two individually controllable stripLEDs are placed on both sides of each totem: one facing the outer face of the circle, the other facing its inner face.

This allows us to program three «primary» light combinations and create a variety of light gradients:

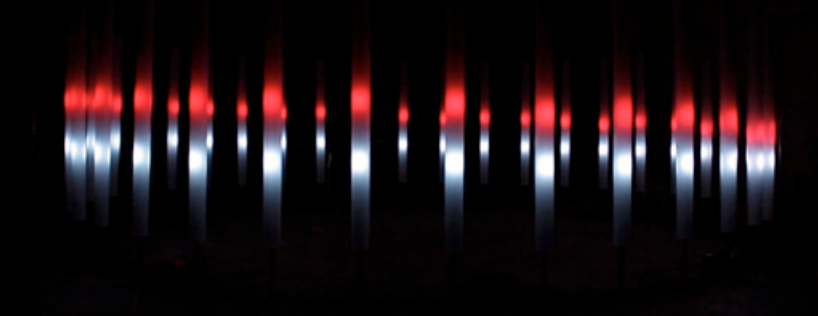
- inner face + outer face lights
- outer face light
- inner face light



Interactive animations

In addition to this inner face / outer face light variable, each LED point can be individually controlled, which allows us to create a collection of interactive lightboards representing the heartbeat of the users.

[Click on this link](#) to watch a video with some principles of interactive animations.



Weight of the installation

Total weight = 410 kg

Components:

- 1 pallet
Measures = 100x100x100 cm
Weight = 200kg
- 2 boxes on the pallet
Measures =
Length 192 x width 122 x height 74 cm
Weight = 210kg

Assembly time

With a team of 3 people, if electricity is provided at the foot of the installation, and once the equipment is in place = 4h

Disassembly time

With a team of 3 people = 2h

Hardware that has to be provided by the organiser

- Electricity 2x 16A at the edge of the installation
- 10 Heras barriers + quartz or lumaphore if you need to secure the night
- 4 enceintes amplifiées (pas besoin de pieds)
- Storage space (if boxes are stored far away, provide a small, close storage for the replacement equipment)



Contact and information

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