

Diego Ortiz & Hernan Zambrano
Tiara, artwork presentation

Tiara

An interactive and luminous artwork that reacts in real time to the air quality



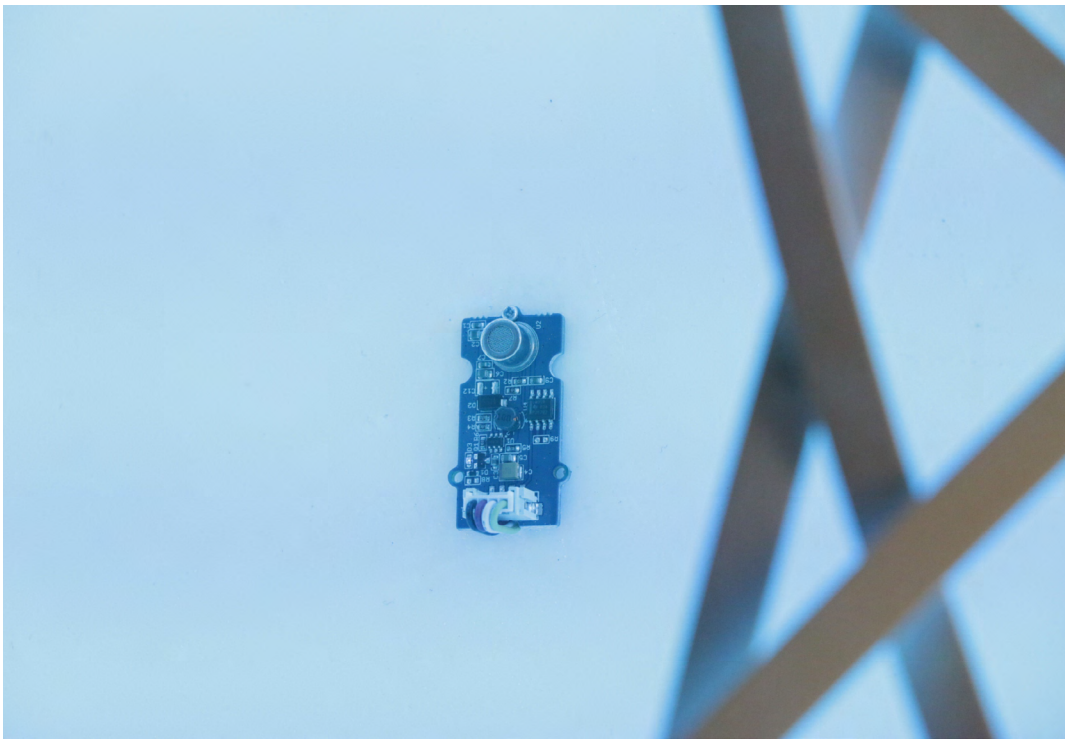


Tiara is an interactive and luminous artwork that reacts in real time, thanks to an air quality sensor and a computer programming.

White and about one meter in diameter, this piece recalls, by its braided and circular shape, the nest of a garden bird. At the center of this sleek composition is a small air quality sensor.

Hanging on the wall, *Tiara* responds to its immediate environment. It translates the data it captures from air pollution into colorful atmospheres via an LED lighting system.

The viewer is invited to contemplate the concentric light variations, inherent to the singular behavior of this piece.



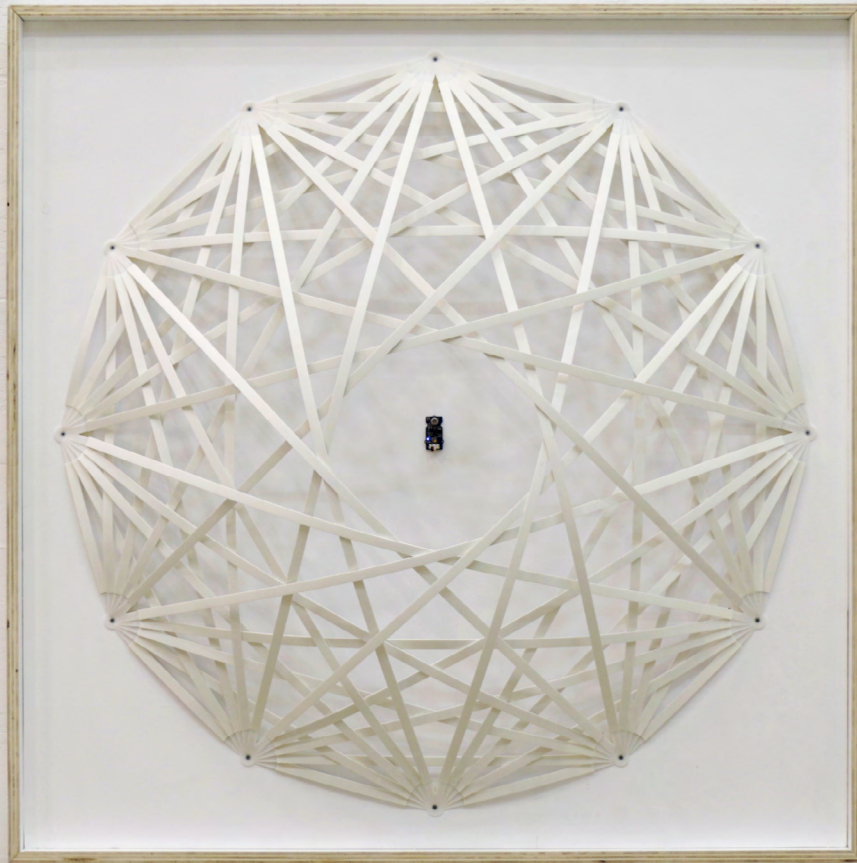


When the air quality is poor, the pulsation of a red circle appears in the center of the room. Conversely, when the air quality is optimal, the light overflows from this central zone, and diffuses a light close to cyan, creating an intuitive relationship and materializing this invisible phenomenon. The rhythm of the chromatic variations evokes that of the breaths: a slow movement accompanies the changes in spectrum if the quality is good, while its frequency accelerates if the quality deteriorates.

These effects promote the viewer's interpenetration with this «living» work. Tiara then suggests an awareness, a change of behavior vis-à-vis our habitats.

Spending time with Tiara, forgetting her and continuing our behavioral habits, then perceiving unexpected state changes. This work encourages us to look at the fragility of the environment of our oikos (home). It becomes a crown that we lay down to enhance our air.

Conferring this distinction on air, one of our most prized possessions, is a way of paying homage to it. Tiara reminds us of the importance of preserving the environment for our own well-being.



Diego Ortiz & Hernan Zambrano form a duo of artists within the Petits Labos, a research and creation laboratory. They met at the Ecole Supérieure des Arts Décoratifs in Paris and currently live and work in Marseille.

Combining their know-how and their visions, they create works combining arts, sciences, and ecology. Their work addresses the complexity and challenges of the climate challenge in an innovative way, while controlling their own production chain, in an eco-design approach. They are interested in the process of transforming plastic waste for the benefit of an alternative and sensitive artistic production. Their approach combines aesthetic issues, functional and productive qualities, with a renewed and responsible vision of art. They advocate an art concerned with the treatment of natural resources before, during and after the creation of a work.

Both from Colombia, they have presented their work in France (FRAC Paca, Jeune Création, Bastille Design Center, Vasarely Foundation, Friche Belle de Mai, Quai Branly Museum) and abroad (Festival de la Imagen de Manizales, Centro Cultural de Cali, Museo de Arte Moderno de Bogotá).



Operation of the work

Ignition system: connect the two mains plugs and turn on the switch.

Sensor calibration time: 1 minute

Extinguishing system: turn off the switch, disconnect the plugs.

Operating time: 6h (maximum) per day

Informations and credits

Tiara, 103 x 103 cm, 2020

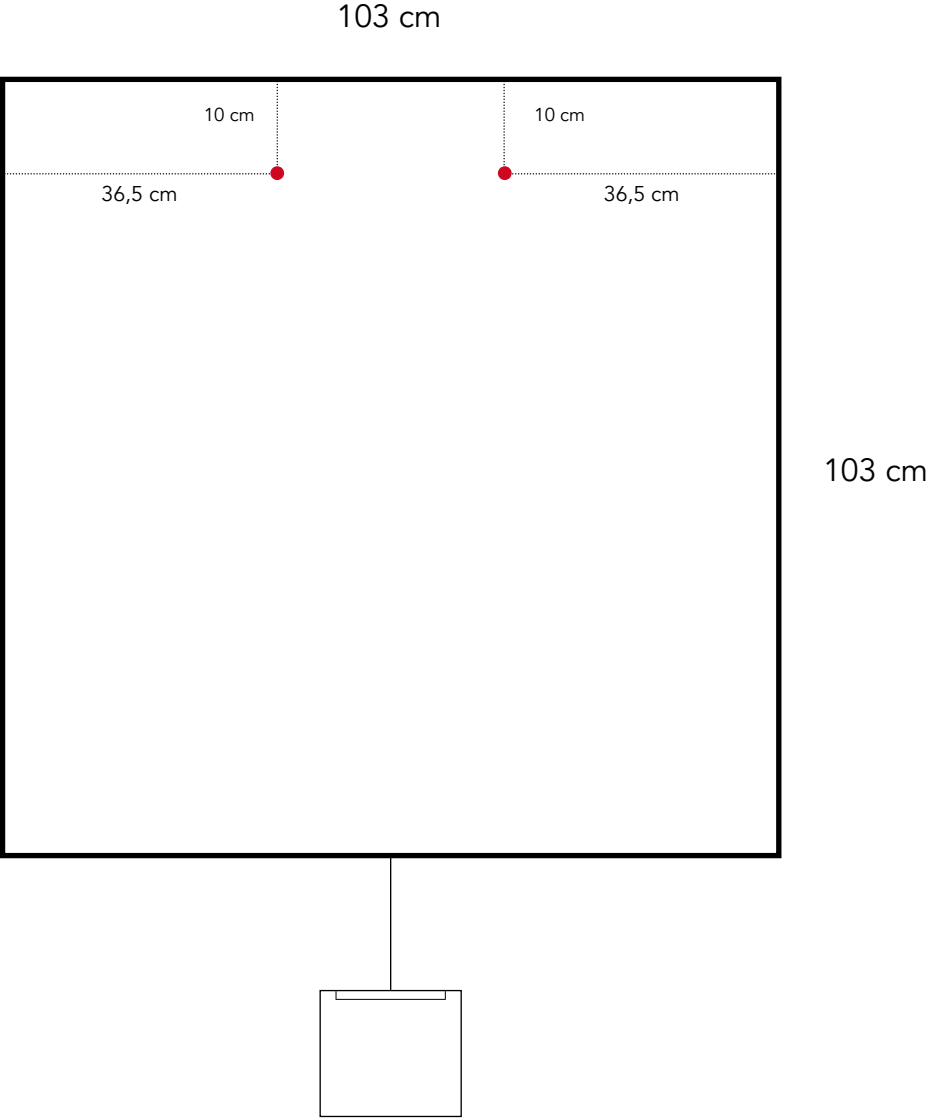
Wood, white paint, plastic rods, 3D printing, LED strip (5050 RGB IP65), sensor (Grove Air Quality Sensor v1.3), Arduino programming.

Production: Les Petits Labos, with the support of DIAMS (via the Matrice Air Data support program)

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Credits: Diego Ortiz and Hernan Zambrano

Assembly plan



● Artwork attachment points

CONTACT

Les Petits Labos

Atelier 254
16 rue Bernard du Bois
13001 Marseille

Diego Ortiz

diegoarmandoortiz@gmail.com
06 77 13 55 40
www.diegoaortiz.com

Hernan Zambrano

hernanzambrano.art@gmail.com
06 68 11 37 46
www.hernanzambrano.com

 [les_petits_labos](https://www.instagram.com/les_petits_labos)