

QUANTUM REALITIES

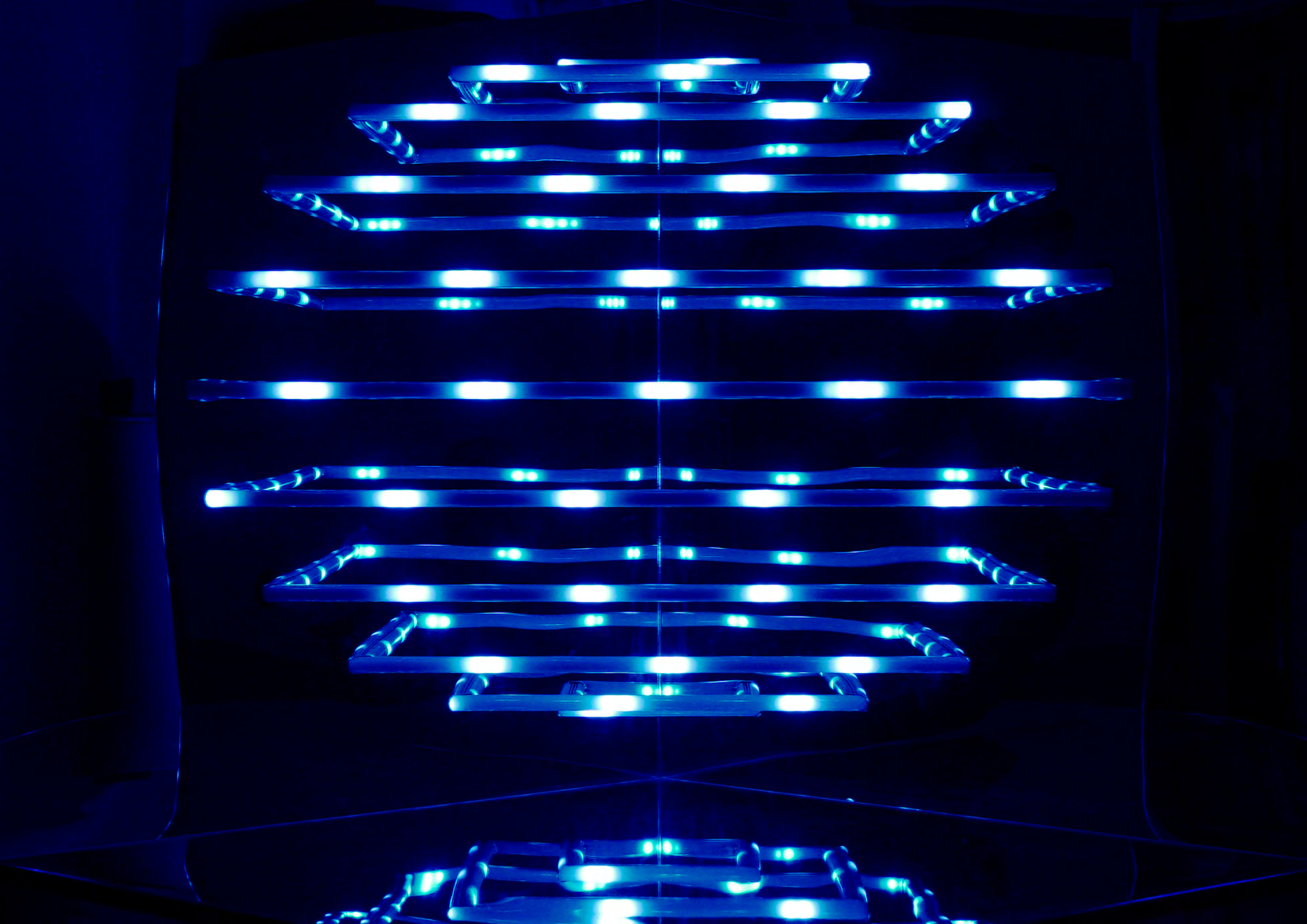
An interactive
light and audio installation

► [Watch video](#)

Created
directed
and animated
by:

nueveojos





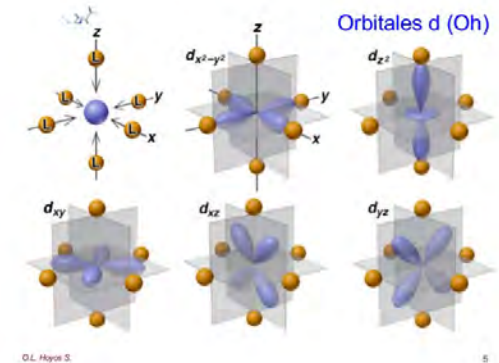
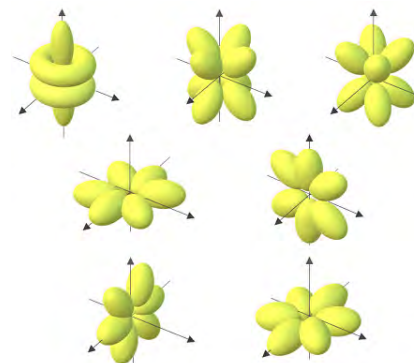
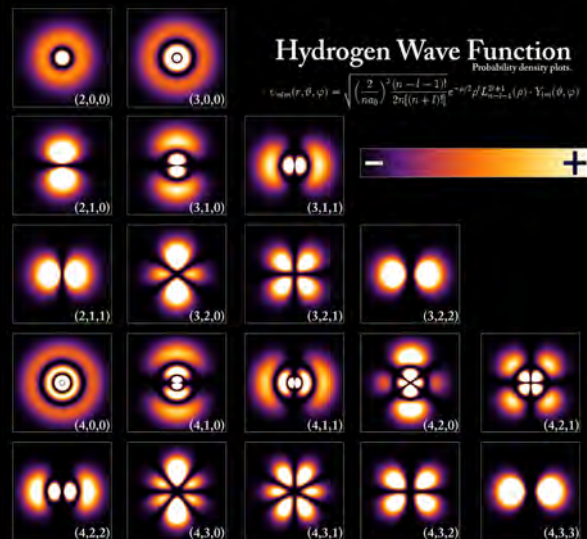


THE INSTALLATION

Quantum Realities is an interactive light and audio installation made up of a minimalist LED sculpture that aims to reproduce the ability of the quantum world to be in different places at the same time. It is the spectator who, by interacting with the installation, makes the principle of quantum uncertainty disappear and thus witness a single probability of reality. In the same way that our interaction when measuring the position of an electron forces it to be defined in a specific position.

PIXEL ORBITALS

Electrons do not have a definite position but they do have areas that are more likely than others to be found. This probability map is called an **orbital** and has symmetrical structures that in this installation are represented through the set of mirrors, creating a **false symmetrical depth**.



A person is shown from the side, wearing a brown sweater, interacting with a digital art installation. The installation consists of eight vertical, glowing blue rods of varying heights. The person's hands are positioned near the rods, with fingers pointing towards them. The background is a solid blue color.

INTERACTION

Quantum Realities consists of 8 rods connected to 8 capacitive sensors. At rest, the sphere reproduces chaotic light patterns by superimposing 8 animations simultaneously. By touching each of the rods, the viewer activates one of the 8 animations and deactivates the others, thus eliminating the chaos.

Each of the 8 animations contains an audio track and the 8 tracks together form a piece of music. The audience, by interacting, what they are doing is turning audio tracks on and off so that they become a kind of **quantum DJ** and make the experience much more fun and performative.



NUEVEOJOS

Nueveojos is a **digital art studio** that has been one of the pioneers in mapping shows in Barcelona. Some of its works have been seen at the Cité de l'Architecture et du Patrimoine (Paris), in the Catalonia Pavilion at the Shanghai Universal Exhibition in 2010; or on the great facade of Gaudí's Casa Batlló, where they performed one of their most remembered mappings in 2012.

Nueveojos conceives the projects from an artistic and author's perspective, which is why each job constitutes a unique creation work.

[+ info](#)

FESTIVALS

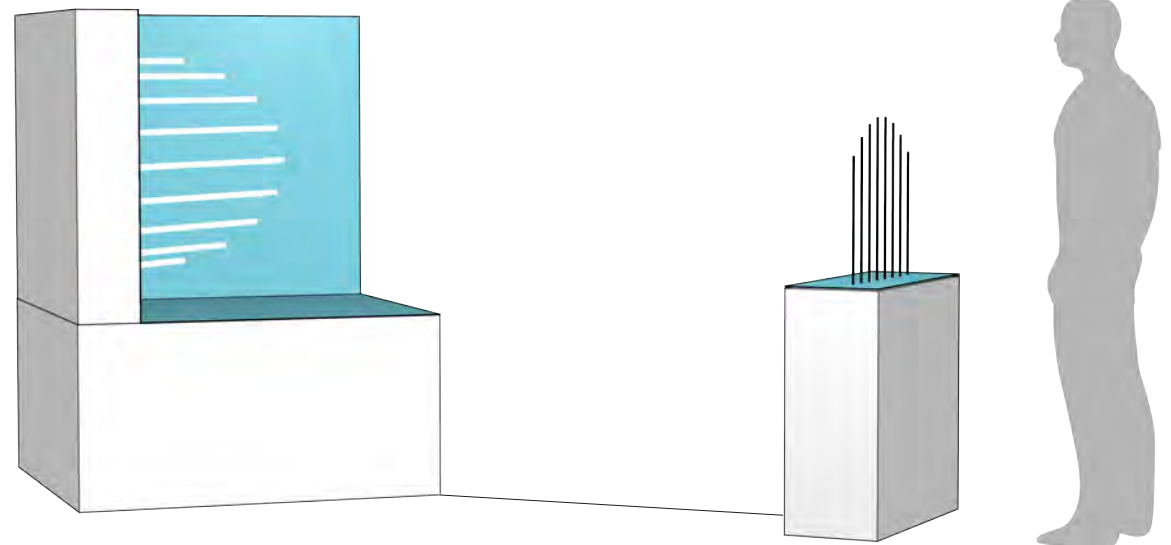
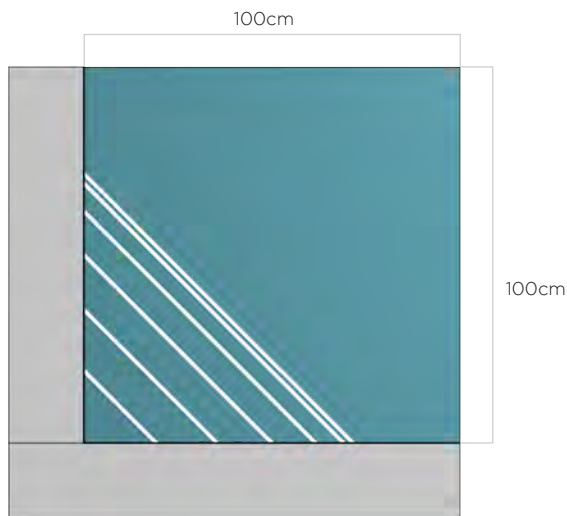
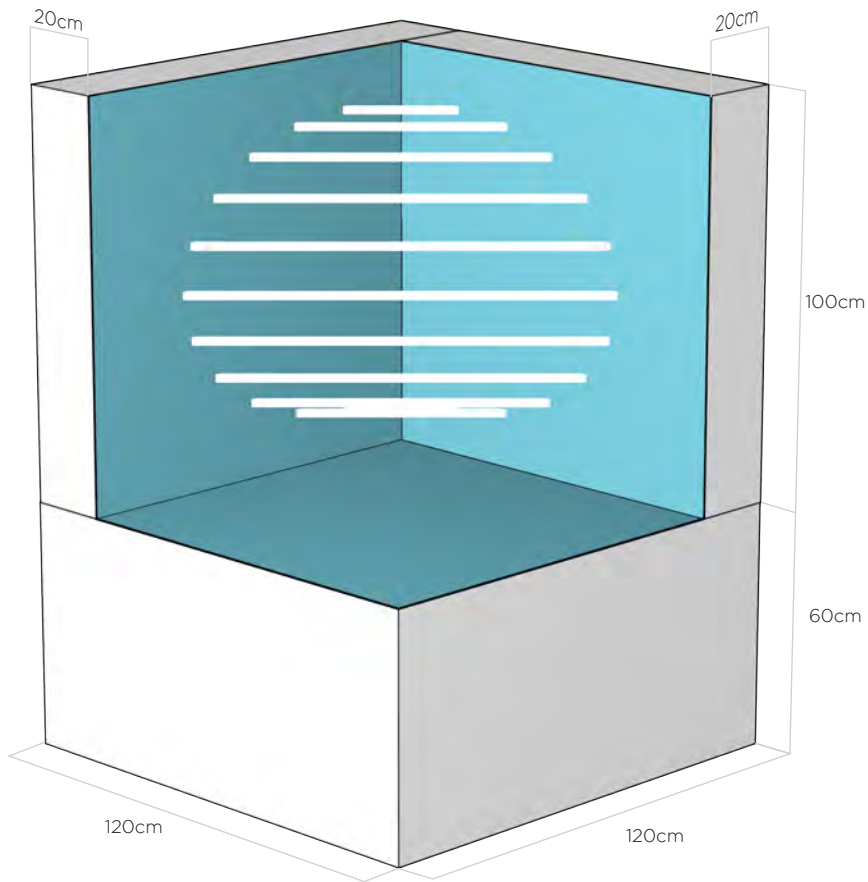
- Quantum Realities has been premiered with a great reception during **OFFLlumBCN'20**, a small and medium light installations circuit created and commissioned by Poblenou Urban District. The installation has been sponsored by SIMON (leading Spanish manufacturer in electrical equipment and creator of technology solutions for home and professional environments), which has provided material and in collaboration with Bridge_48, hosting the installation in its facilities during the release in February of 2020.

- Participation in **Llamp Festival 2022**, a light arts festival in Viladecans.



RAIDER AND NEEDS

- About **40-50 m2** of space, with almost total **darkness** during the exhibition hours.
- **Surveillance** and custody service of the facility **(24 h)**.
- 1 standard **power outlet**, type schuko 16A.
- The total weight of the installation is around 50Kg and occupies approximately: 2m wide x 2m high x 1.5m wide depth.





nueveojos

BOOKING

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