

**Roca
London
Gallery**

Resonant Lightscapes
Spatial embodiment of light and sound

By Yael Erel, Gadi Sassoon, Avner BenNatan
Curated by Alisa Lisovskaia

16th July - 14th September

LDF 2026

Building on the success of *Mirrored Lightscapes* at London Design Festival 2025, Yael Erel, Gadi Sassoon, and Avner BenNatan present *Resonant Lightscapes*: a spatial experience of embodied light and sound sculptures, curated by Alisa Lisovskaia. The artists weave a visual, sonic, and kinetic feedback loop that transforms the experience of Roca Gallery, inviting visitors to slowly observe their own presence in the biomimetic architecture of the space designed by Zaha Hadid. *The artworks* mix analogue light reflections, analogue sound, robotics, audiovisual feedback loops, and mechanical resonance to alter perceptions of time, flow, and movement.

The collaborative installation in the gallery space is a feedback loop of resonance between light and sound waves: Erel and BenNatan project fragments of light on spinning, etched metal reflectors that create uncannily organic patterns on the curved gallery walls, while Sassoon's sound installation provides a slow reactive underscore built from tape loops of his instrumental performances; these elements combine in the kinetic layer, affecting the motion of the physical sculptures, a mechanical resonance at the centre of the audiovisual immersion.

PERFORMANCE RESONANT LIGHTSCAPES

11th September 2026

Roca London Gallery, Station Court, Townmead Rd, London SW6 2PY

6.30 - 9pm

Spatial embodiment of light and sound

Gadi Sassoon uses a camera to transform the reflections generated within the installation into data, which is then translated into sound in real time. The performance makes audible the feedback loops between light and sound that underpin Resonant Lightscares, allowing the visual behaviour of reflected light to directly influence the sonic environment. In this live iteration, light becomes both image and information, entering a continuous process of transformation between reflection, data and sound.



Gadi Sassoon - Kaleidoptera

Modular robotics sculpture

In *Kaleidoptera*, Gadi Sassoon researches a language of embodied emotion through bespoke modular robotics. When machines mirror our cognition, what is the threshold that makes us project intention, emotion, or even a persona into inanimate objects? Can a structure's form and gesture, in motion or at rest, affect our perception of ourselves, our spaces, and our peers? Sassoon's "*Kaleidoptera*" modules are 3D printed and infinitely replicable, designed and controlled via the artist's bespoke agentic system *555n*. The technology was developed in partnership with roboticist Rob Knight.

Yael Erel - Light Pebbles

Light Object, 2022

Light pebbles project dynamic lightscares by translating the embossed topography of a revolving reflector into light patterns. Each pebble casts white light onto a revolving augmented mirror disc. As light reflects off the sculpted specular discs, it transcribes the information embedded on it into light spaces that reveal the reflectors' micro-topographies; different reflector geometries generate different light patterns. The pebble-like object is in dialogue with Zaha Hadid's flowing design of the ROCA gallery. Developed with Avner BenNatan and RPI research students and fabrication labs.

Yael Erel, Avner BenNatan and Lighttexture - Claylight Balance

Tablelamp, 2026

[Claylight Balance](#) is a Lighttexture tablelamp developed by Yael Erel and Avner BenNatan for Reverberating Lightscares show, in Dialog with the space designed by Zaha Hadid. Creating Camera Obscura patterns of the lamp's light bulb, it casts light that is both practical and playful.

Sculpting Reflections is a short film by Chalkley Calderwood and Yael Erel, giving insight into how Erel uses light and reflection as a medium to create lightscares and generate the lighting components used in the Resonant Lightscares exhibition at ROCA Gallery.

Yael Erel

Yael Erel is an architect, educator and light artist. She interweaves light optics research with academic teaching and practice. Erel is a registered architect and co-founder of *Lighttexture*, a lighting practice where she designs and constructs light fixtures and light art installations. Erel graduated with honours from The Cooper Union and RPI. For over a decade, Erel has been deeply immersed in architectural education, teaching architecture at the Harvard GSD, The Cooper Union, Columbia University and Pratt Institute. She is currently an Assistant Professor at Rensselaer School of Architecture. Erel's work has been exhibited internationally. Her exhibition *Mirroring Lightscares* was recognised as one of the standout exhibitions in the 2025 London Design Festival. Her light-art work has been awarded the 2025 (d)arc Award for Light Art-Bespoke, the 2023 (d)arc Award Art Low, the 2025 IES Merit awards, 2024 Lumen Prize Finalist, and 2024 ACADIA Best Project Award. Erel is a published author and the recipient of the 2020 Architectural Education JAE Best Article Award.

Avner BenNatan

Avner BenNatan has been working with light as material since the early 90's through his work as a lighting designer in film and television, 1992-2008. Together with Architect Yael Erel they co-founded Lighttexture, where he works as a lighting designer and managing partner. BenNatan has been collaborating with Erel, developing light installations. Their work was exhibited internationally and recognised, and awarded the 2025 (d)arc Award for Light Art-Bespoke, 2023 (d)arc Award Art Low, the 2025 IES Merit awards, and 2024 Lumen Prize Finalist. In 2011, BenNatan and Erel received a United States Patent for a lighting device. BenNatan studied at Tel Aviv University, where he received a bachelor's degree in Sociology and Anthropology. In addition to his work in lighting, BenNatan has been writing poetry and prose since the early nineties. In recent years, after completing a collection of short stories, BenNatan has been composing and performing his poetry and compositions. In 2026, he released an album using his lyrics and compositions under the name 'Existential Funk'.

Lighttexture

Founded in 2008, lighttexture emerged from the combined vision of Yael Erel, an architect, and Avner Ben Natan, a lighting designer, brought together by a shared passion for creating unique, sculptural lighting elements. Rooted in a commitment to craftsmanship, innovation, and artistry, Lighttexture work aims to transform the way people experience light. Offering more than sixty light models, from fixtures based on a patented adjustable aperture to ceramic fixtures that combine digital and analogue mass production with hand craft, offering UL-listed products since 2015. Lighttexture treats light as a material that can create an atmosphere and open up new ways of experiencing space.

Gadi Sassoon

Gadi Sassoon is a classically trained composer and transmedia artist from Milan whose work spans recorded music, live performance and installation art. Working with traditional instruments, agentic systems and bespoke robotics, he creates deep listening experiences, immersive visuals and embodied artworks centred on his research in emotional sovereignty and machine-amplified creativity. His work has been presented at festivals, research institutions and galleries worldwide, including Sónar, MUTEK, IRCAM, Stanford's CCRMA and Montreal's Society for Art and Technology, and at the Opening Ceremony of the United Nations global AI

Governance Summit, where he shared the stage with the UN Secretary-General and heads of state, the latest in a series of UN appearances as a performer and speaker. Across three albums, most recently *Modes of Vibration*, he has worked with physicists and mathematicians on live orchestras, sound synthesis and algorithmically modelled "impossible instruments." He recently collaborated with Reeps One on *Fusion*, a piece for the Leipzig Ballet and Opera widely billed as the first AI-based ballet. For over a decade, he has been published by Just Isn't Music, the publishing arm of London's Ninja Tune, producing critically acclaimed records and soundtracks. As *555n* he creates a human-AI hybrid construct spanning music, performance, art, film, code and robotics. An independent researcher, his work on physical modelling and the amplification of human creativity has appeared in the MIT Computer Music Journal, MIT Technology Review and Harvard Business Review, with current research under peer review.

Alisa Lisovskaia

Curator and art producer with over 15 years' experience working across museums, galleries and art-technology platforms internationally. Her career spans leading cultural institutions in Russia and Italy, galleries in London, and art-tech companies in the United States. In Moscow, she supervised projects with institutions including Tsaritsyno Museum, the Kremlin Museums and the Central House of Artists. Alongside her curatorial work, Alisa has been involved in the intersection of art, technology and investment. Her expertise spans digital art, blockchain and the emerging NFT ecosystem, and she has spoken at major industry platforms including COSMOSCOW, London Art Fair and Frieze London. Based in London, Alisa works as an art & culture program manager, gallery curator and art producer, managing artists, advising art businesses and developing projects focused on digital art and new technologies. She is also a mentor at the CultTech Accelerator in Vienna, supporting innovation at the intersection of culture and technology.

Roca Gallery

Roca London Gallery, designed by Zaha Hadid Architects, is a cultural and architectural hub in London that hosts exhibitions, talks, installations, and events exploring design, architecture, sustainability, and innovation.

Resonant Lightscapes

By Yael Erel Avner BenNatan and Gadi Sassoon

Curation: Alisa Lisovskaia

Light Design: Yael Erel, Avner BenNatan, supported by Carla Leitao and Nic Roscioli-Barran

Sound and robotics installations: Gadi Sassoon

Audio-Reactive Mechanics: Tom Fox

RPI Research Students: Alex Fuss, Julian Pasquale, Ethan Aspiras, Scott Sigmund, Javier Torres, Cooper Myer, Eileen Dong, Gunnar Thuss, Owen Lawler

Venue: Roca Gallery: Gallery manager Marija Bukal