

STRATA: 1:4:9 Opens Its London Studio to Explore Light, Transparency and Large-Format 3D Printing

London-based design studio 1:4:9 will present STRATA, an Open Studio event for London Design Festival 2026, bringing together a newly developed transparent table lamp, prototypes, material studies and test prints produced through large-format pellet 3D printing. Taking place at 1:4:9's London studio from 19–20 September 2026, the presentation offers visitors a closer look at how computational design, machine movement and material behaviour come together in the making of a finished object.

At the centre of STRATA is a new table lamp produced through large-format pellet 3D printing. Made from transparent material and printed with deliberately visible layers, the object uses the manufacturing process itself as part of its visual language.

Rather than concealing the marks of fabrication, the lamp makes them visible. Its thick printed layers form a textured translucent surface that changes when illuminated, diffusing light through variations in material thickness and creating a soft, tactile glow.

The project forms part of 1:4:9's wider exploration of computational design and large-format additive manufacturing. Unlike conventional filament-based desktop 3D printing, pellet printing works directly with thermoplastic granules and can deposit material at a significantly larger scale. For the studio, the technology is not simply a means of producing an existing design, but a process that actively influences the object's form, texture and material expression.

"STRATA is about treating fabrication as part of the design language rather than something that needs to disappear from the final object"

Alongside the finished lamp, visitors will encounter prototypes, test prints and material samples created during its development. These intermediate objects reveal adjustments in geometry, print parameters, transparency and surface quality, showing design as an iterative process rather than a progression directly from digital model to finished product.

1:4:9 invites visitors to experience both the completed work and the systems, machines and experiments behind it. STRATA offers a view into an emerging approach to furniture and lighting in which computational design and digital fabrication are closely connected to the physical behaviour of materials.



Event Information

STRATA — 1:4:9 Open Studio

London Design Festival 2026

Date: 19–20 September 2026

Time: 11am–6pm

Location: Unit 2B, Riverbank Wharf, Riverbank Business Park, E3 2TB

Admission: Free

About 1:4:9

1:4:9 is a London-based design studio creating furniture, lighting and spatial objects through computational design, digital fabrication and material experimentation.

The studio explores how making can remain visible in the finished object. Using large-format additive manufacturing, 1:4:9 develops forms through repetition, layering and controlled machine movement, creating a sense of order through rhythm, structure and measured variation.

Across furniture, lighting and spatial installations, the studio treats fabrication as part of the design language. Each object reflects the behaviour of its material and the conditions of its production, balancing digital precision with material expression.

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