

Eigenwillicht

A modular lighting family using spiral-grain veneer as a forming principle

Eigenwillicht explores the design potential of spiral-grain veneer, a material typically discarded in industrial wood production due to its unpredictable deformation behavior.

Instead of avoiding this so-called defect, the project uses the natural tensions of spiral grain as a shaping force, eliminating the need for molds or energy-intensive forming processes.

The resulting lamp deforms individually not despite, but because of its irregularity. By embracing nature as a form-giver, Eigenwillicht questions industrial sorting logics and points toward new ways of reintegrating discarded materials into circular design systems.



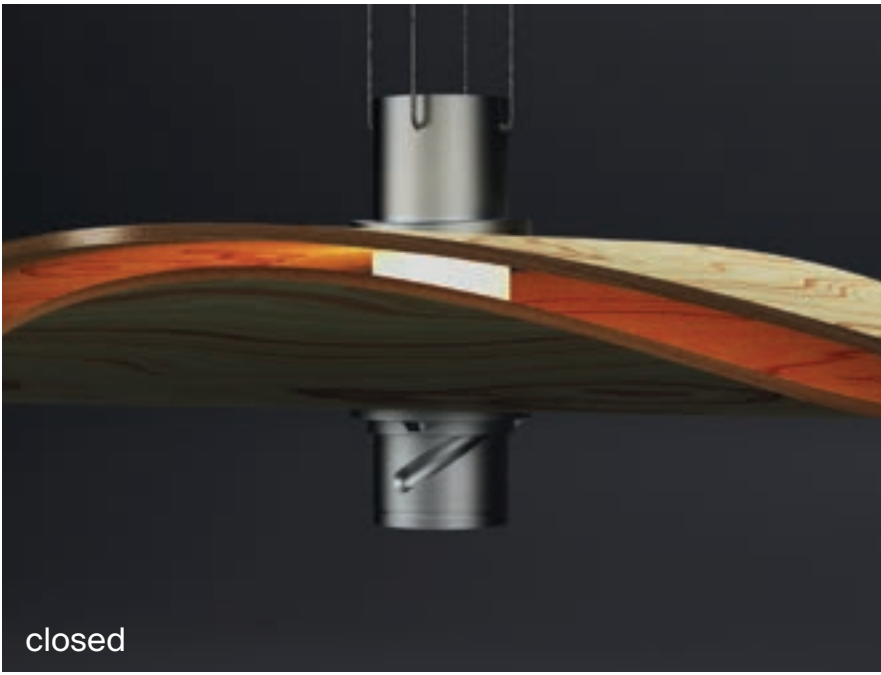
Lisa Schollbach

Product & Material Designer

Lisa Schollbach (1999, Hannover, Germany) is a product and material designer based in Frankfurt am Main, Germany.

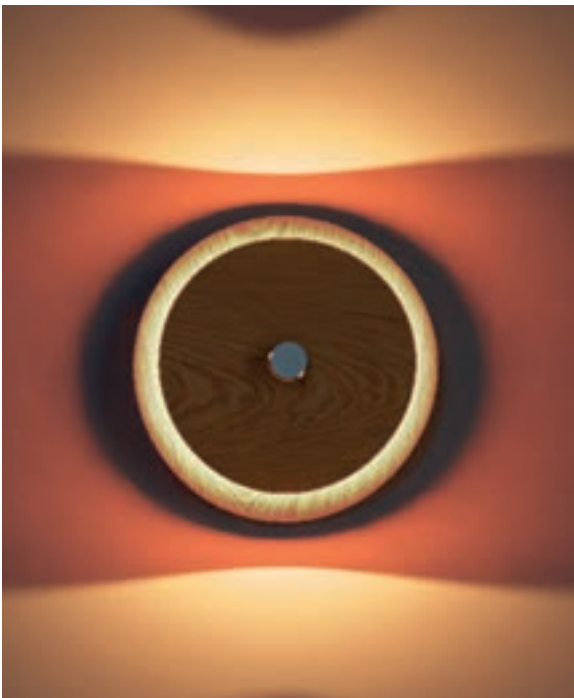
Her practice is driven by a dialog with material: form emerges from closely observing and responding to material behavior. The resulting objects are clear and reduced in form, yet characterized by an inherent sense of tension and individuality.

She is currently pursuing a Master's degree in Product and Material Design at HfG Offenbach. Previously, she studied at Bauhaus-Universität Weimar and completed her Bachelor's degree in Product Design at HAWK Hildesheim.



Dimming Function

The lamp features an integrated, simple mechanical dimming mechanism. Two wooden plates act as opposing lampshades, between which the light is projected. Brightness is adjusted by changing the distance and angle between the two elements, allowing the light intensity to be regulated continuously.



Modular Lighting Family

Eigenwillicht is conceived as a modular lighting system. By exchanging the end pieces, different lamp typologies can be created, including horizontal and vertical pendant lights as well as a wall-mounted version. The system is designed to be expandable, allowing for future adaptations and configurations.



Manufacturing Process & Material Behavior

Spiral-grain veneers are pressed into laminated panels, which are then CNC-milled to form the lamp shades after drying. Within minutes of being released from the press, the panels begin to curve noticeably. The material continues to react sensitively to temperature and humidity, making each lamp a dynamic expression of its material properties.