



## **Company Profile volatiles lighting GmbH, Berlin**

volatiles lighting is a Berlin-based lighting technology company that started as a spin-off from a research project at the renowned Karlsruhe Institute of Technology (KIT) and Freie Universität Berlin (FU). Founded in 2015, the company is already a team of nine, and plans to further expand the team after the official market launch in October 2017.

volatiles lighting's visionary concept combines traditional glass mosaic tiles with modern LED technology. The company creates sophisticated smart surface illuminations for design and light enthusiasts. *volatiles* is an exclusive design element which can be seamlessly integrated into the smart home or smart office. Beyond that, the novel concept bears positive effects on the users' mood and wellness. The goal of volatiles lighting is to create a personalized lighting experience that is highly pleasing by addressing the visual, practical, emotional as well as biological needs of the users.

volatiles lighting develops and manufactures exclusively in Germany, meeting the highest standards in quality and technology. The company uses premium mosaic glass from Italy, which is exclusively produced to match the concept's requirements. Concealed behind the glass mosaic is a unique high-quality LED, sensor and wireless technology.

The product *volatiles*, a result of many years of research and development, is protected by several pending patents. In 2017, volatiles lighting entered into a strategic partnership with global lighting manufacturer LEDVANCE GmbH (formerly a division of OSRAM GmbH) in order to co-develop and manufacture this product.

The brand name *volatiles* is a combination of *vola* (made-up word based on the meaning of flying, moving quickly or floating) and *tiles* to emphasize the combination of sophisticated glass mosaic and dynamic LED lighting.

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## **Product Description *volatiles* Digital Glass Mosaic**

*volatiles* Digital Glass Mosaic is a modular surface illumination composed of glass mosaic. Each lighting module consists of 64 individual mosaic tiles, each lit by one LED chip. These modules can be arranged individually and therefore create a personalized lighting experience for every user. *volatiles* modules can display a myriad of colors on each single tile. Moreover, each tile is also sensitive to touch, so users can modify the color at their fingertips, or use their hands to draw patterns on the illuminated mosaic wall.

This smart lighting system can be easily controlled via a smartphone app (iOS or Android). The free app is equipped with 15 preinstalled light scenes to give the mosaic surface a new design at a click. Various playlists of different scenes provide the perfect lighting experience, fitting the user's mood. *volatiles* takes smart lighting to the next level.

The fully integrated technology of the lighting modules transcends the limitations of conventional lighting. Potential applications are virtually endless: *volatiles* mosaic surfaces can be integrated into bathrooms, kitchens, bed or living rooms as well as office buildings, hotels and restaurants.

Architects, lighting designers and interior decorators can create truly unique, personalized spaces for their customers. The potential clients in the fast-growing integrated LED market are individual customers as well as corporate clients such as luxury hotel chains, offices or wellness facilities.

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