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3D PRINTED SEISMIC LED LIGHT IS MADE FROM RECYCLED POLYMER

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12 December 2017

Architect **Margot Krasojević** created a 3D printed, spiral shaped LED light, which structure responds to seismic movement in its environment. The lamp, a net made from recycled polymer, gives the illusion of intensifying the emitted light.

When charged, the LED light is visible for 3 metres in a dark room. Through the light, a pipe is inserted for stability, which holds a series of magnets and a copper

coil to induce an electrical current. The 3D printed net resonates and amplifies kinetic energy, transforming it into electrical current, which lights the series of LEDs embedded within the lamp shade.

The net's spiral envelope is constructed from a flexible, slightly transparent, recycled polymer, which geometry intensifies its movement. This displacement also moves the magnets inside the supporting



pipe to create a current that can either be stored or dissipated immediately by lighting the LED.

The project was commissioned for the Gao family hotels in

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Ordos, Inner Mongolia and Beijing.

For another project by Krasojević, click [here](#).

Photos: Krasojević (via [V2com](#))

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