

RENOVATION with the ModularCeiling

Cooling and Heating.

Designed for fast, efficient and energy-saving renovation.
Optimal as a supplement to the heat pump.



Old radiators are removed and replaced with the ModularCeiling.



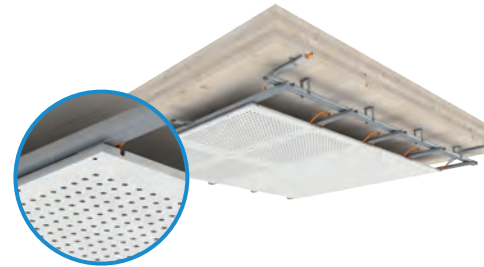
The Variotherm ModularPanel with integrated VarioModular pipe.

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Preparation of a standard metal or wooden stud construction.

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Installation of ModularCeiling.
Also possible with acoustic surface.

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Filling, painting and ready is the ModularCeiling for heating and cooling.

www.variotherm.com

VARIOTHERM

RENOVATION with the ModularCeiling

The panel system made of gypsum fiberboard, which has been tested for their healthy building properties, can be installed completely flexibly on walls and roof slopes. **Heating, cooling and finished ceiling are perfectly combined in one solution.**

THE VARIOTHERM MODULAR CEILING

1. Save up to 50% energy on cooling and up to 25% on heating.
2. No other system allows you to heat & cool - free of drafts, pleasant and healthy indoor climate included.
3. Quick and easy installation in dry construction - the assembled panel is already a finished ceiling!
4. The VarioModular pipes are already integrated into the ModularPanel. This guarantees optimal heat transfer.
5. The sophisticated complete system: the planning, Modular Panels, pipes, screws, adhesive, room thermostats, manifolds, all press connections - Variotherm supplies simple everything!

Important on the subject of cooling ceiling:

For cool walls, the system must be connected to a cooling source (e.g. heat pump, deep drilling, geothermal cooling).



In TOUCH

Our beautiful room thermostat allows the simplest control with cool features!

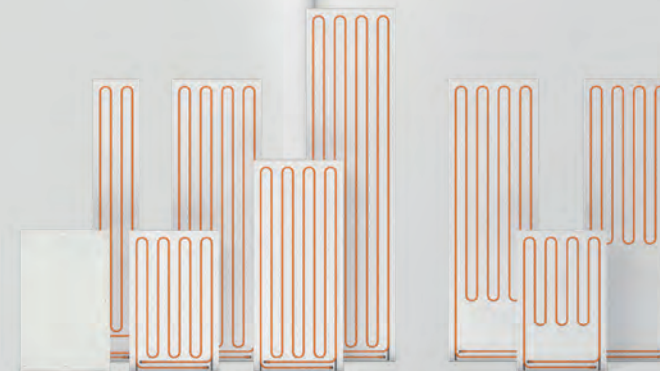
ModularPanels-Acoustic

The perforated pattern and the acoustic fleece on the rear side of the ModularPanels absorb sound into the hollow chamber behind. The sound is refracted.



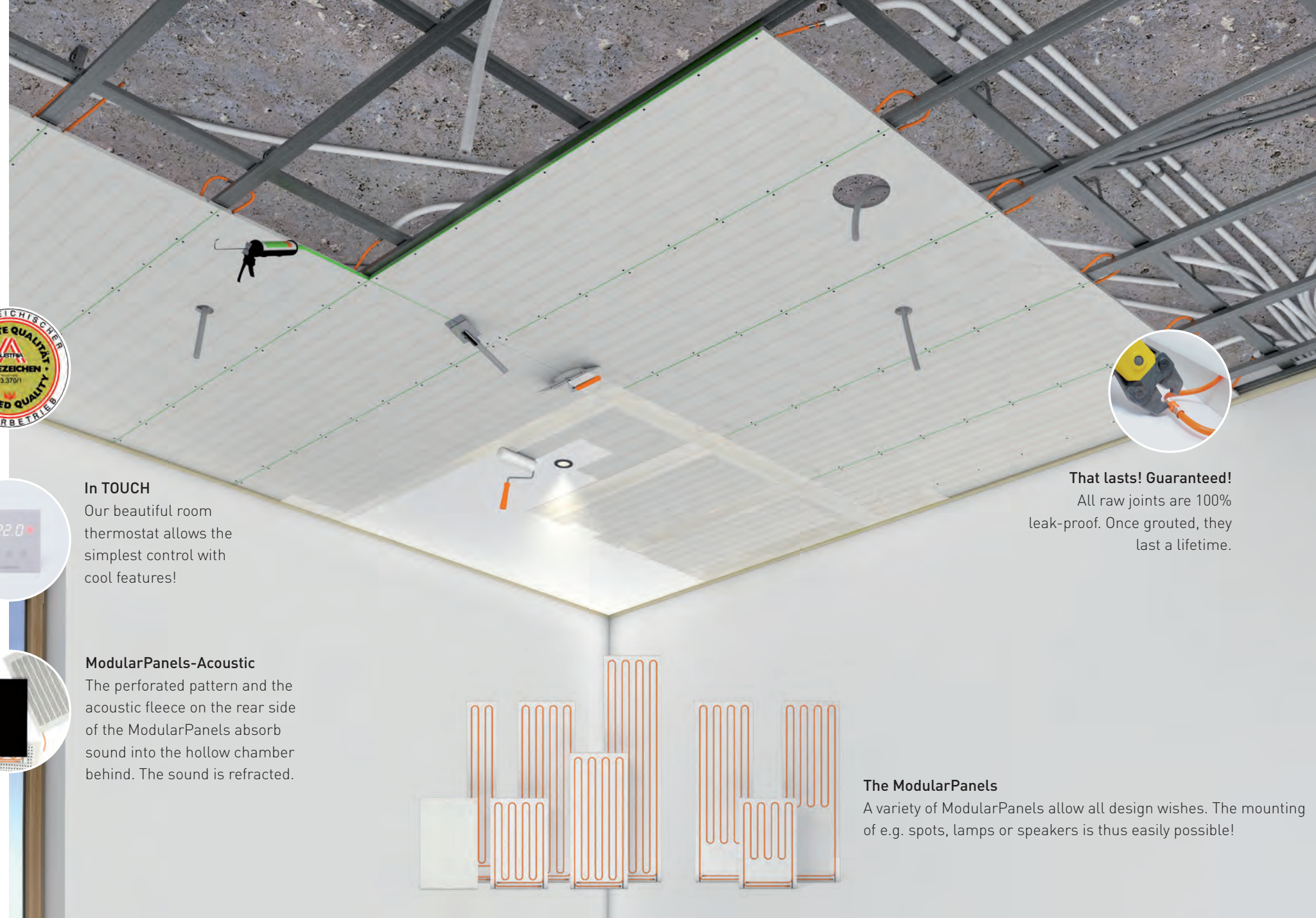
That lasts! Guaranteed!

All raw joints are 100% leak-proof. Once grouted, they last a lifetime.



The ModularPanels

A variety of ModularPanels allow all design wishes. The mounting of e.g. spots, lamps or speakers is thus easily possible!





Our video shows the assembly of a ModularCeiling in all its steps. Simply scan the QR code!



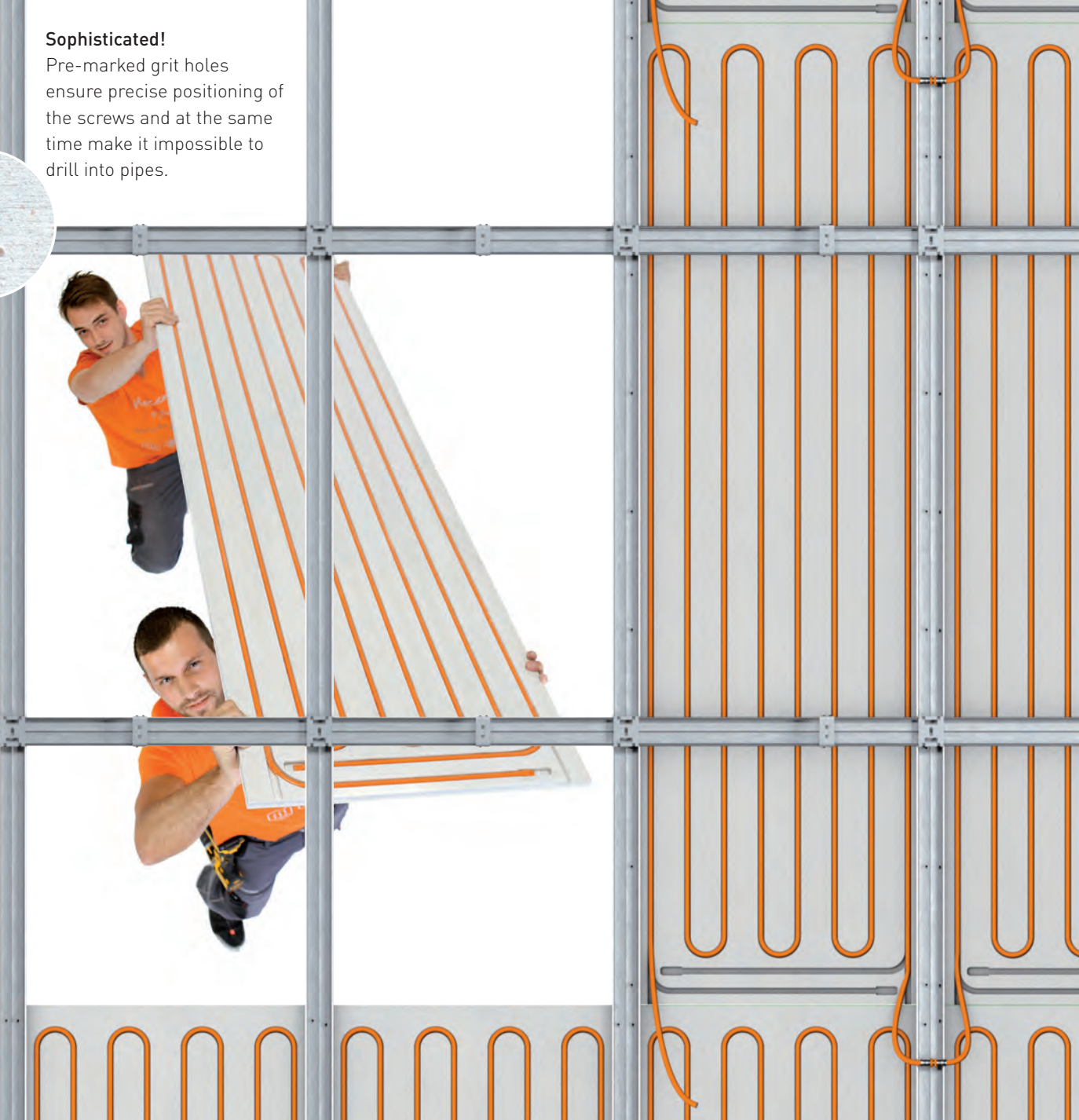
Sophisticated!

Pre-marked grit holes ensure precise positioning of the screws and at the same time make it impossible to drill into pipes.

SO THAT'S HOW IT WORKS

Align. Screw on. Connect the tubes. Fill and paint. The feel-good ceiling is finished.

The gypsum fiberboards, which have been tested for building biology, are mounted in dry construction on metal or wooden post and beam structures.



Our manifolds.

All Variotherm heating/cooling manifolds are ready assembled and pressure tested depending on the application.

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Under these conditions, the electrical energy for 10 kWh of heat is 2.52 kWh of electricity for a flow temperature of 35 °C and 3.99 kWh of electricity for a flow temperature of 55 °C according to the manufacturer.

FAQs

How does the substructure affect the room height?
In order to be able to stow the supply pipes without any problems, we recommend at least 60-70 mm.

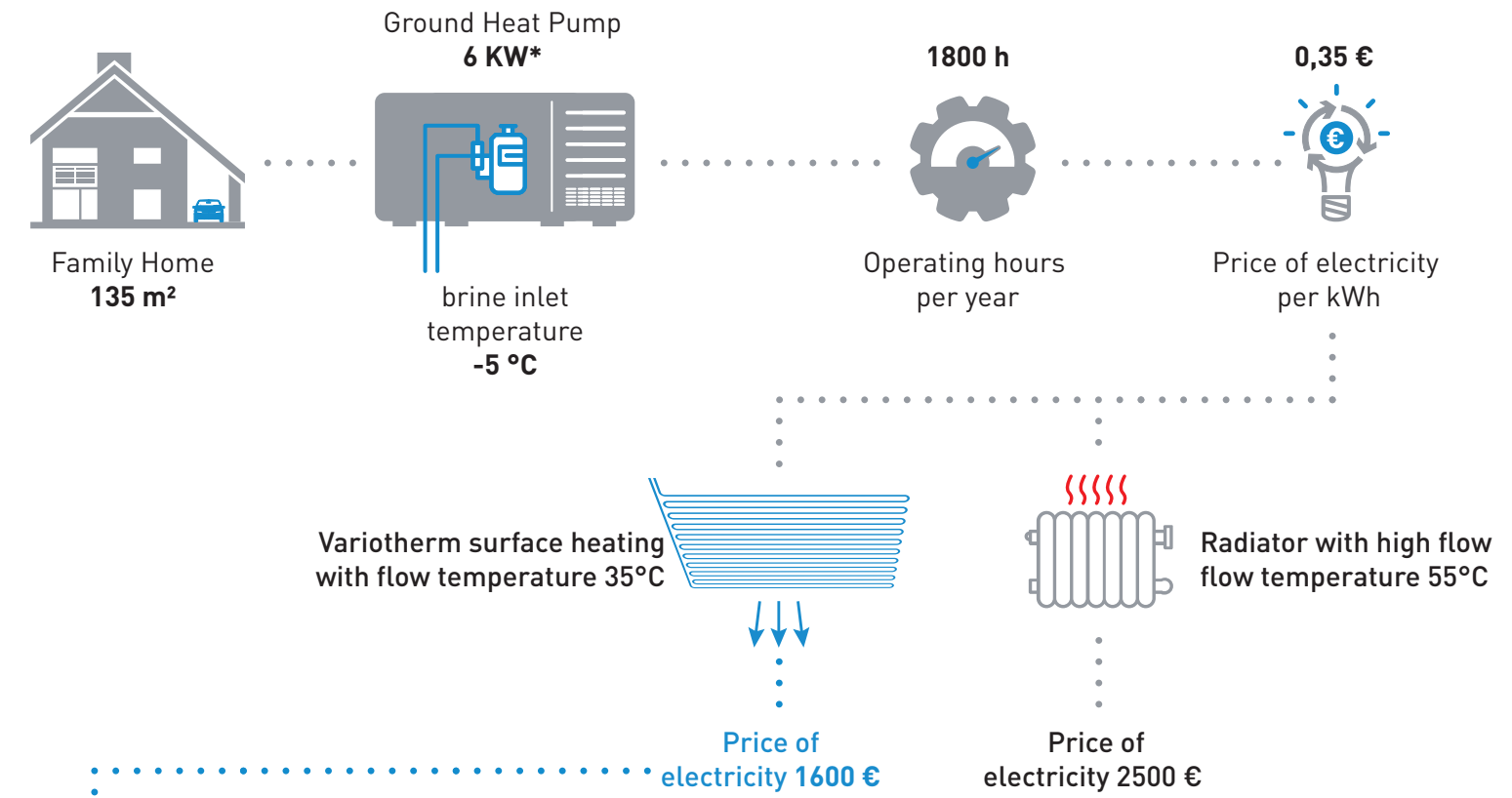
Do I need additional conventional plasterboards?
No, because the high-quality gypsum fiberboard is already a finished ceiling and can be painted directly after filling.

What are the flow temperatures of the ModularCeiling?
The ModularWall also heats with lowest flow temperatures between 27 to 34 °C. When cooling, 16 to 20 °C chilled water flows through the pipes.

Can I install sockets, spotlights, loudspeakers or ventilation outlets in the ModularPanel?
Yes, these can be accommodated without any problems.

Are the ModularPanels fireproof?
Yes, the Variotherm ModularPanels are certified by the Institute for Fire Protection Technology and Safety Research Linz (IBS).

HOW TO SAVE MONEY - AN EXAMPLE



Savings after first year about 900 € • Savings after 10 years about 9.000 € • Savings after 20 years about 18.000 €

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