

lumentile)≡

LUMinous ElectroNic TILE

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SIARQ
Advanced Solar Design



This project has received funding from the European Union's Horizon 2020 for research and innovation programme under grant agreement No 644802.

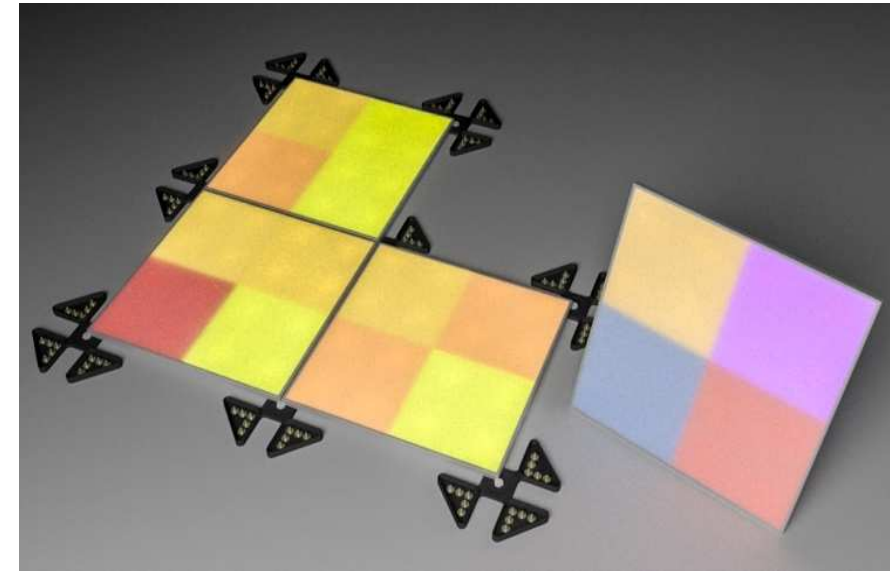
LUMENTILE™: what is it?

LUMENTILE™ is a family of **new products** developed in a Project funded by the European Commission within the Horizon 2020 Frame Program

LUMENTILE™ is a **luminous electronic tile** for floor and wall installations, aimed at **public spaces** and **interior design**

LUMENTILE™ FLOOR realizes luminous **guiding paths**, that interact with the user thanks to the walking sensing technology and the tile-to-tile intelligent network

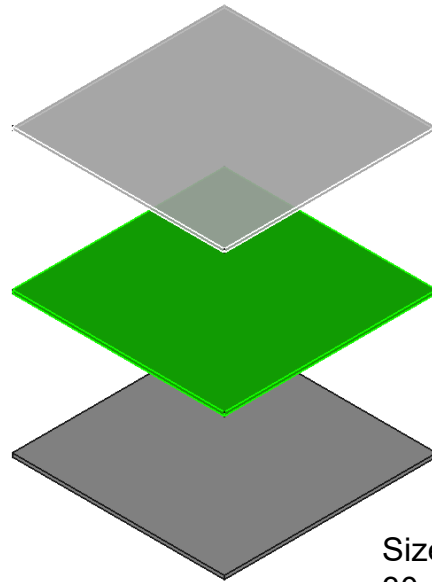
LUMENTILE™ WALL is an active **decorative element** controlled by the user's gesture or by a smartphone app



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LUMENTILE™ Technology

LUMENTILE™ integrates electronics and photonics with traditional materials (ceramic, glass), turning a classical object into a new, versatile resource for designers and smart-cities



Top translucent layer

made of **ceramic** or **glass**
has high **wear resistance** and high **optical efficiency**.

Electronic & photonic layer

contains **electronic** control and communication system, **sensors**, **LED** light sources, light management structures

Bottom layer

made of **ceramic** or **plastic**, provides **mechanical strength**

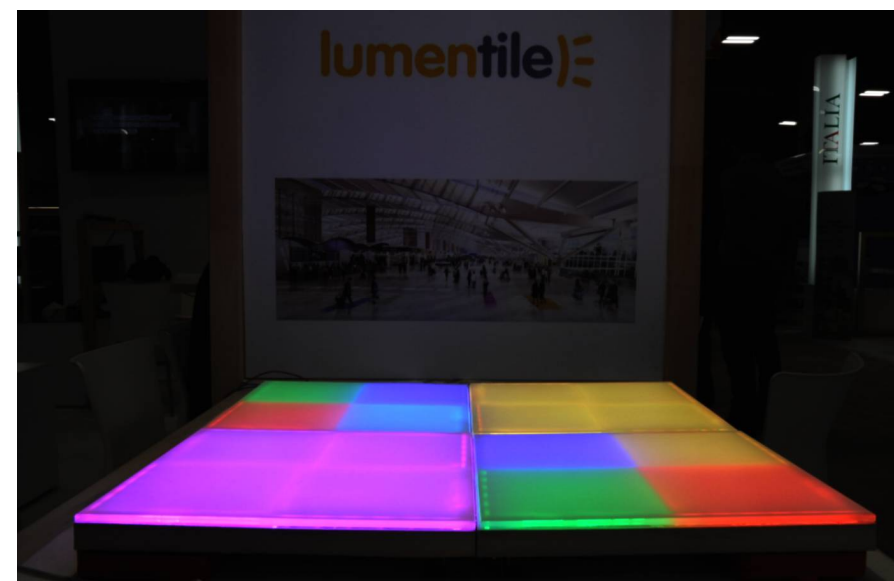
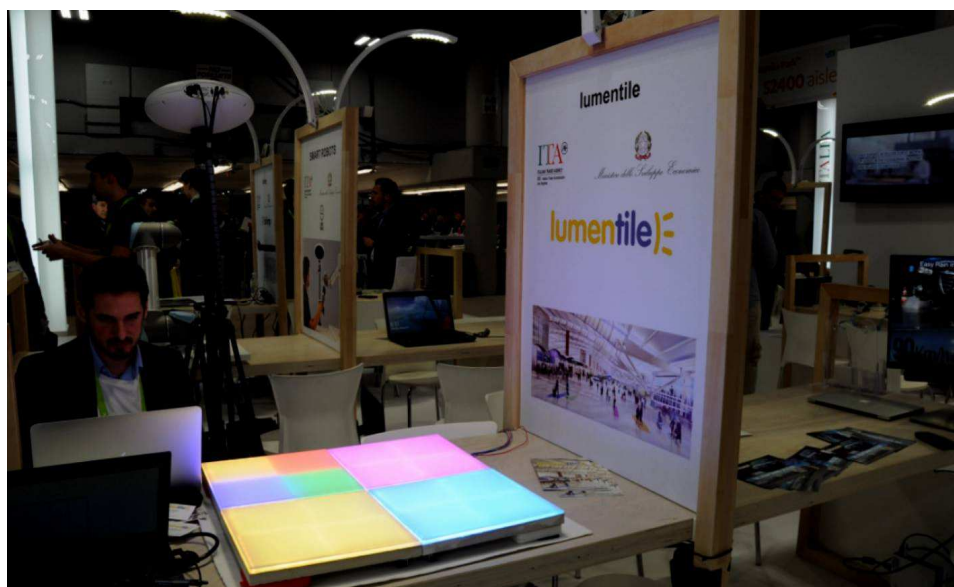
Size:
30cm x 30cm
60cm x 60cm



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LUMENTILE™ @CES Las Vegas 2018

The **LUMENTILE™** project exhibited at the Consumer Electronic Show 2018, Las Vegas (USA), through a partnership with the Italian Trade Agency



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Video:

- <https://www.youtube.com/watch?v=14YZTeNKIks>

LUMENTILE YouTube page:

- <https://www.youtube.com/channel/UCmfghbfhONizHLHqQpuQTRQ>

LUMENTILE Webpage:

- <https://www.lumentile-project.eu>

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