

OMNIA

DOMOTIC SYSTEM

project type: Bachelor's final synthesis project
Academic Partnership with Artemide

end date: jan 2023

duration: 4 months

teammates: A. Cesa | A. Tomagelli

academic partner: Artemide SpA

Omnia is a lighting system made up of six elements which share the same formal module, re-evaluated and sized according to the different task they ought to perform, in a total connection to a single unified system. The work focused on designing an automatic domotic service, or smart mode: essentially a tracking system to which all the elements are connected, that will intensify the luminosity of the source based on practical needs, with a direct improvement in everyday life.



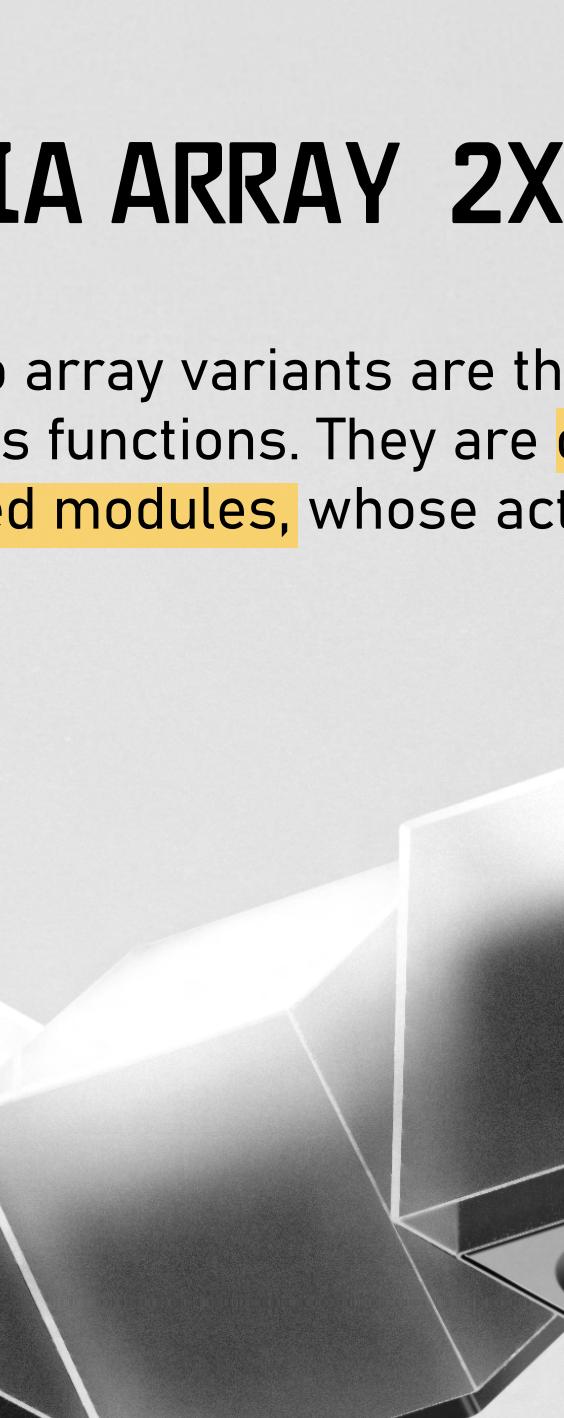
"WHEREVER YOU WILL BE, THERE WILL BE A LIGHT"

The automatic system has a dual purpose: on the one hand it considerably reduces unnecessary energy waste, and on the other it is an element of great comfort for the user, who is followed and accompanied during his daily activities without worrying about switching off anything.



SIMPLE SHAPES FOR UNIVERSAL NEEDS

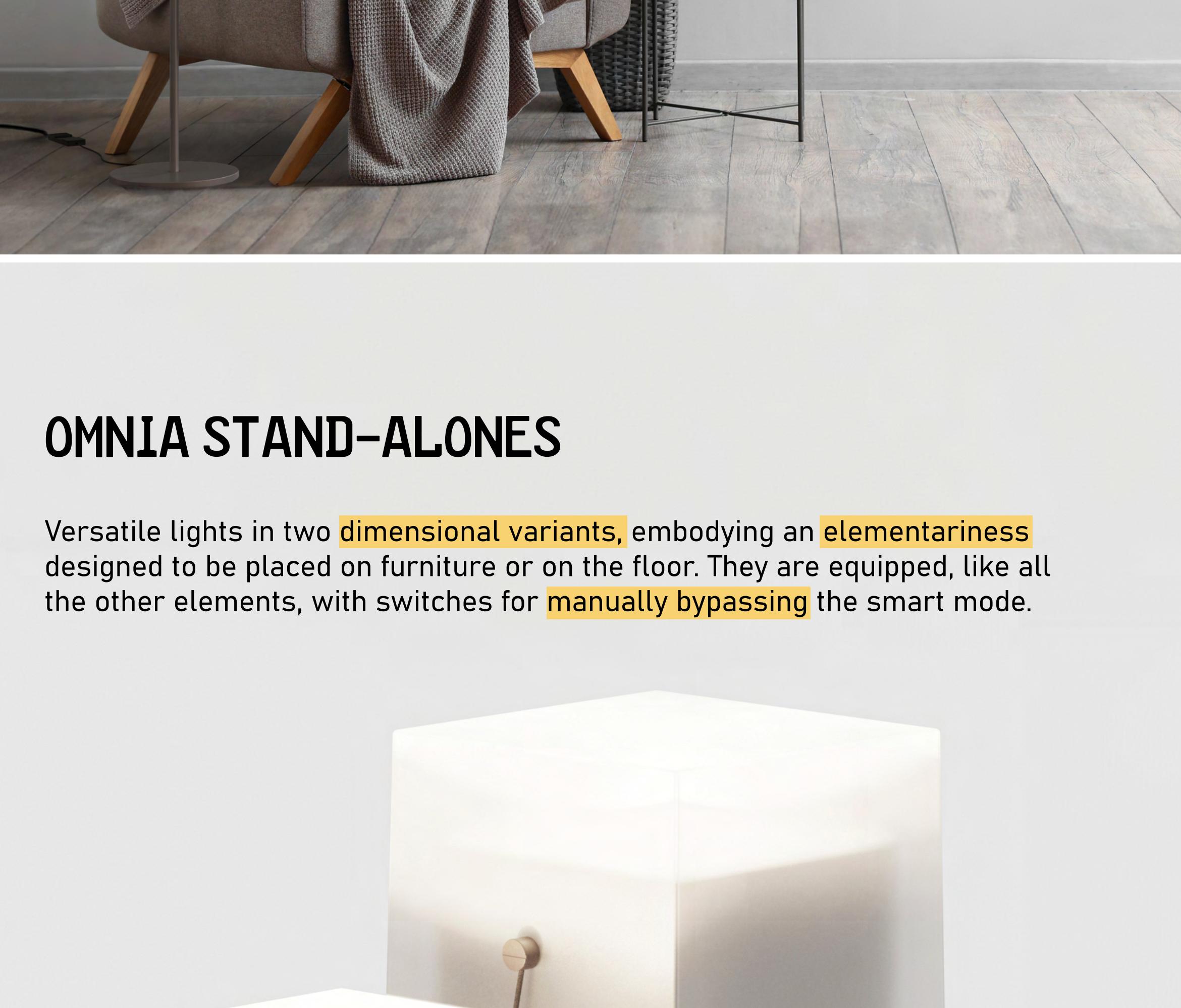
The formal reference for the lamps is a simple cube in extruded aluminum, in which two light sources are placed: the lower one provides a localized task light, while the upper one provides ambient light, damped and refracted by a second semi-transparent cube.



A VERSATILE FAMILY SYSTEM

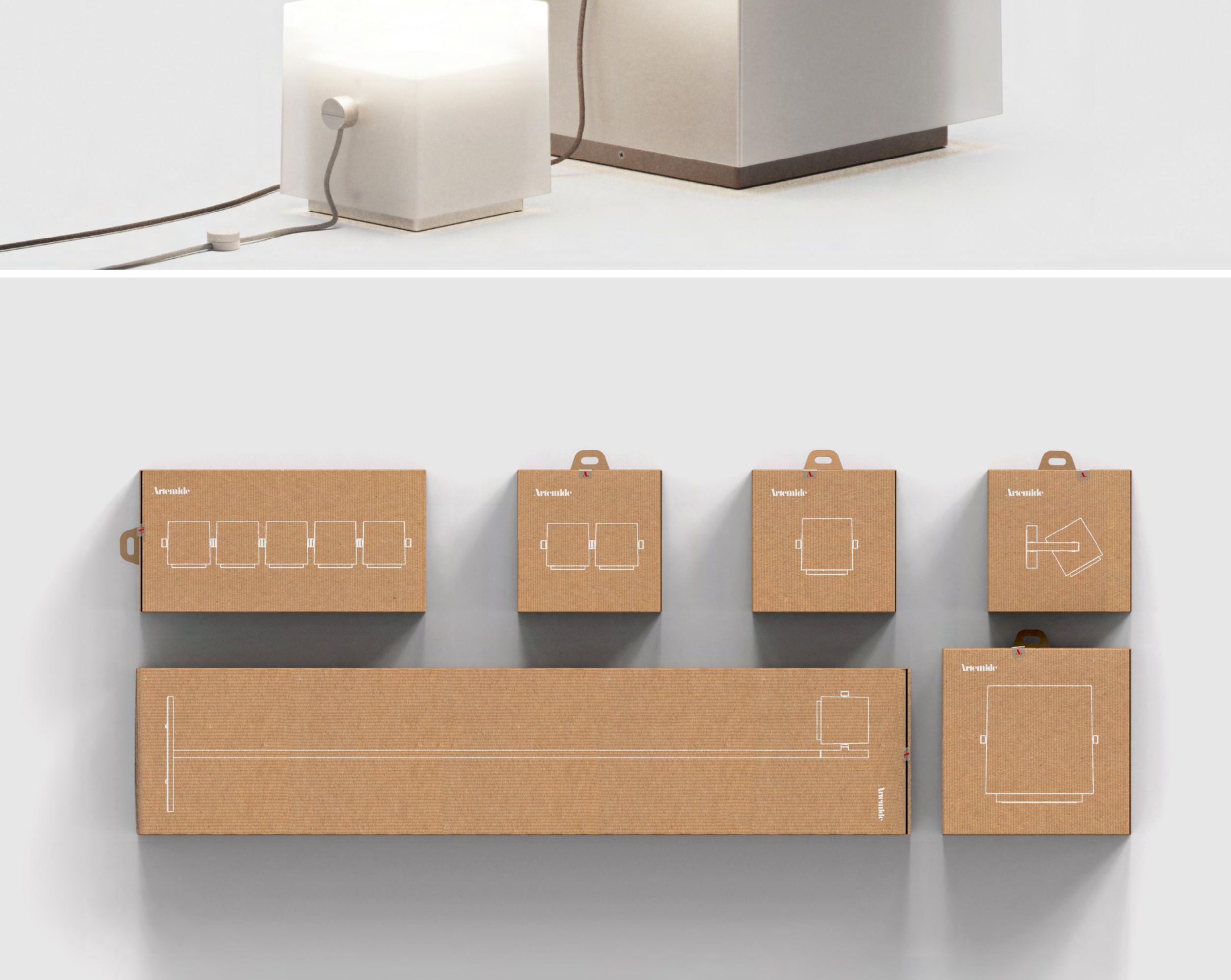
One of the objectives was to create a universal system that could be adapted to numerous environments: for this reason the formal line pursued was minimalist and essential, in line with Artemide's identity, and various different solutions have been conceived within the same system.

the family includes:
Omnia Standalone
Omnia Standalone XL
Omnia Array X5
Omnia Array X2
Omnia Floor
Omnia Wall



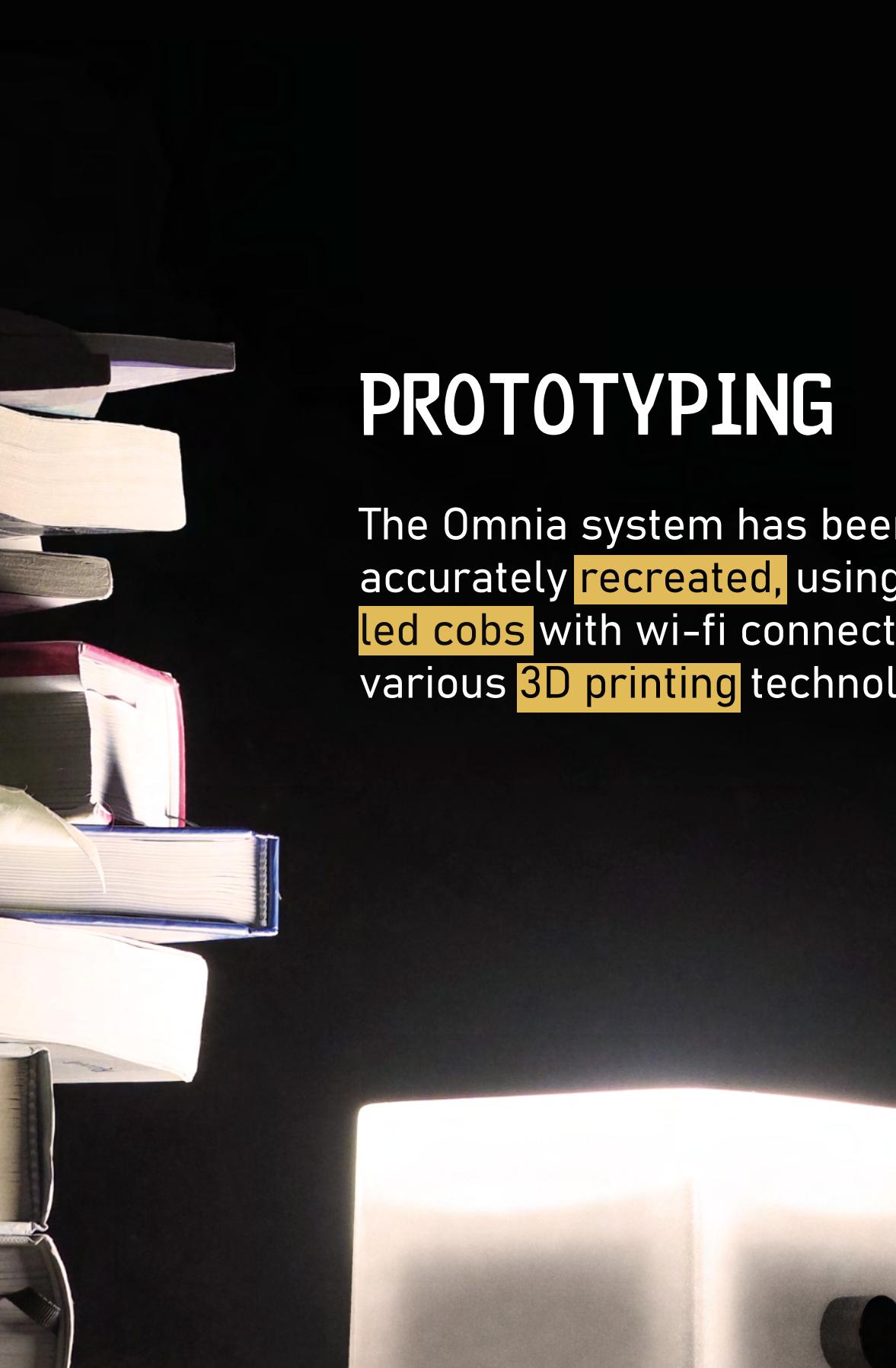
OMNIA FLOOR

The luminous cube plays an absolute protagonist role: the thin rod supporting it highlights the formal value of the spotlight and raises it.



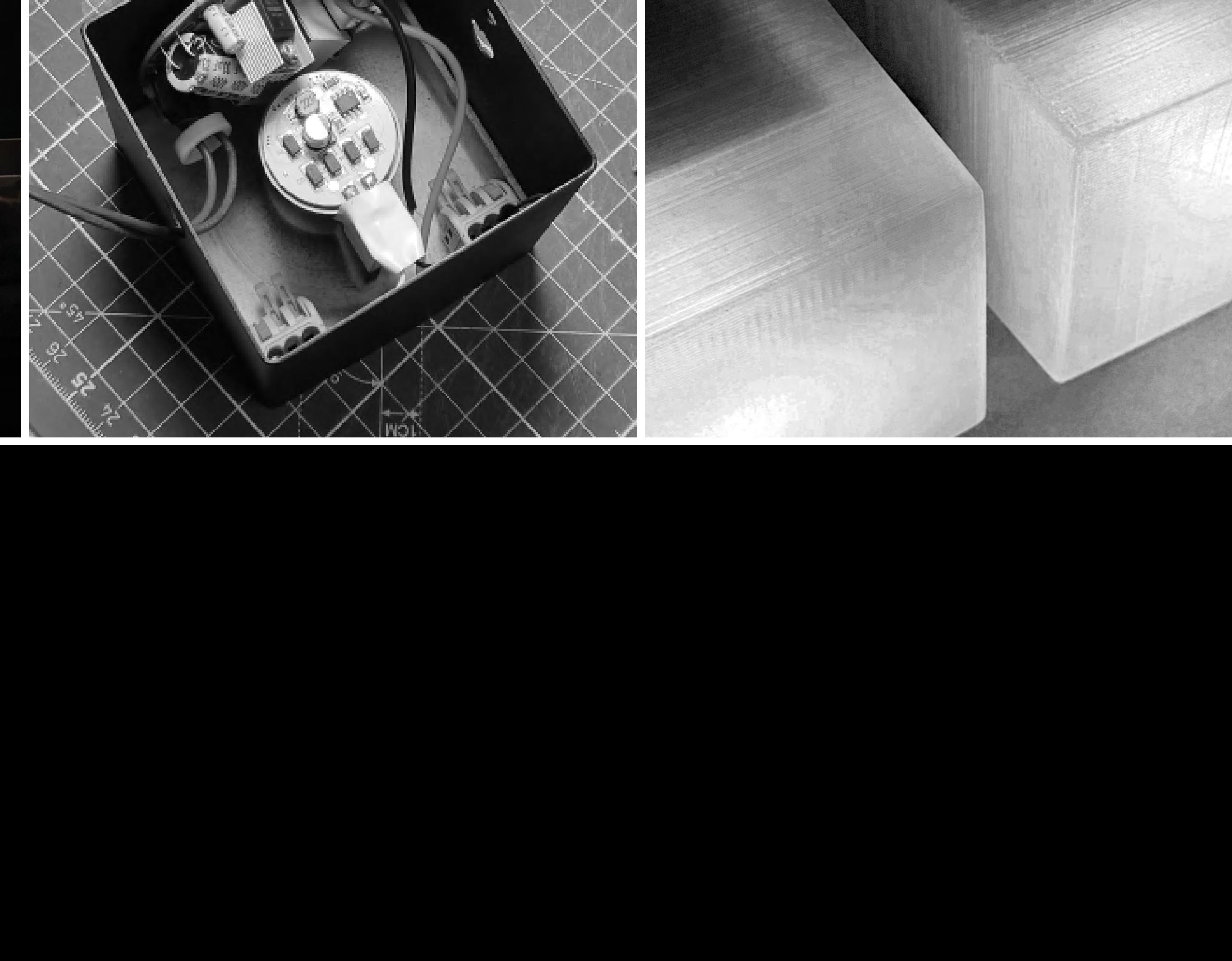
OMNIA STAND-ALONES

Versatile lights in two dimensional variants, embodying an elementariness designed to be placed on furniture or on the floor. They are equipped, like the other elements, with switches for manually bypassing the smart mode.



OMNIA WALL

A compact and adaptable element, designed for those narrow spaces that are difficult to spotlight.



PROTOTYPING

The Omnia system has been accurately recreated, using dimmable led cobs with wi-fi connection and various 3D printing technologies.

