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HANDRAIL & LIGHTING SYSTEM

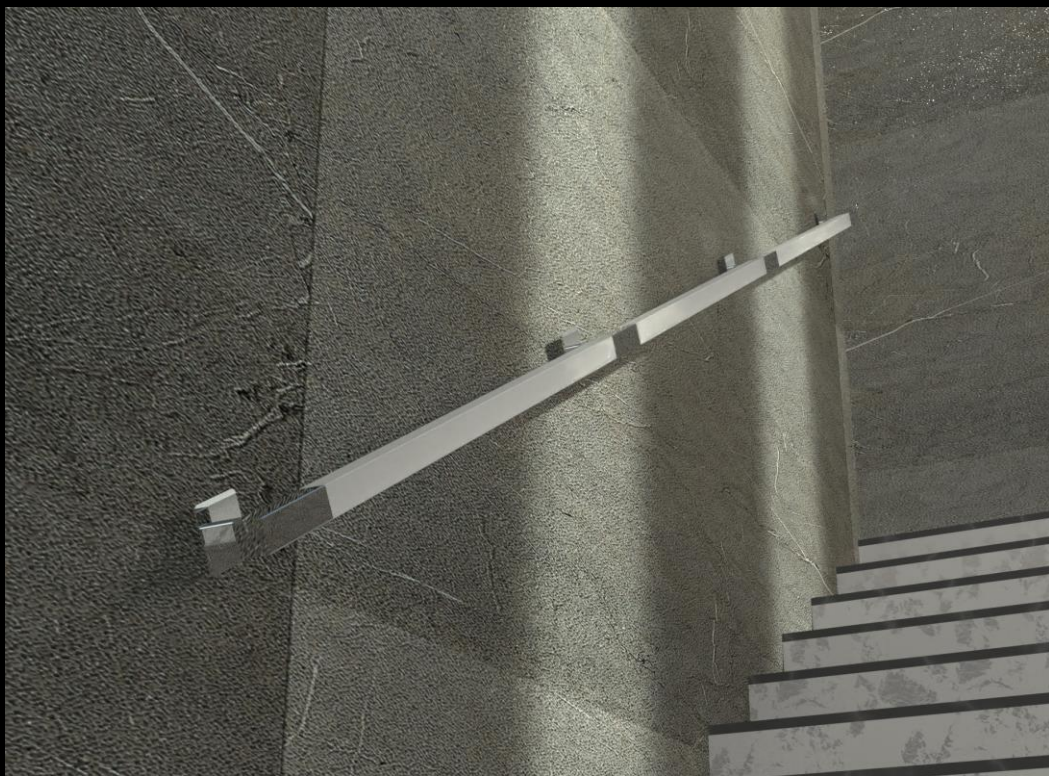
PATENT PROTECTED

This patent protected architectural technology allows the development of extremely versatile types of handrail and adaptable to different requirements of use and lighting, both in residential contexts and in public environments.

Minimalism and aesthetic elegance characterize the futuristic soul of this project, expressing itself in a unique piece of furniture accessory of its kind; perfect integration of functions and advantages, guarantee of a safety, even ornamental, at the total service to the person.

Designed to illuminate the entire surrounding environment, the handrail is able to serve home automation systems and adopt capacitive technologies and to satisfy specific requirements, thanks to its ability to create both ambient and directional lighting at the same time, but always avoiding glare.





The patent regarding totally luminous handrails and grab rails allows the creation of countless models to be mounted both on the wall and on railings and parapets, both indoors and outdoors, to increase performance and safety because they are better identifiable than the classic handrails on the market equipped with LED, and applicable to various sectors, from residential to public contexts, from the nautical sector to wellness centres, thanks to the nanotechnological protection and the use of the latest generation silicon LED strips.

The totally integrated lighting through this project transforms the bathroom grab rails, conceived up to now with a single limited function and therefore perceived as an element of diversity, into a source of new sensory experience for all people, enhancing balance and harmony between the body, mind and environment, thus favoring a new level of comfort and tranquility, through a new visual function of personal help with total LED energy saving.

All products are particularly suitable for translucent or perforated coverings (for example with leather), making it possible to develop further variants.

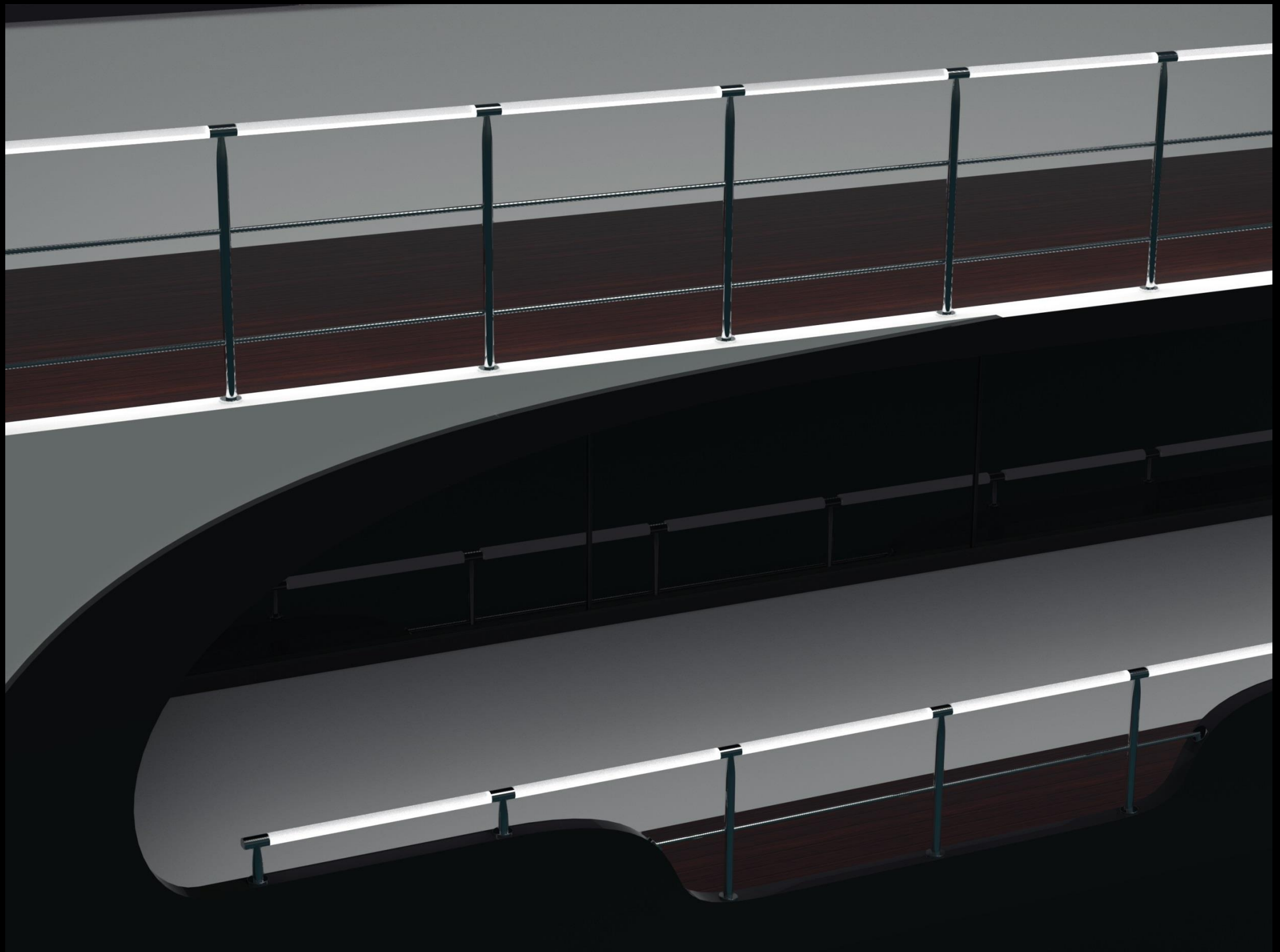
The Pmma elements can be supported or integrated into standard metal structures and are designed so that the cover of the LED strips can be made of transparent material (for light emission also directed through it) or in covering material (for light emission only through the handrail).



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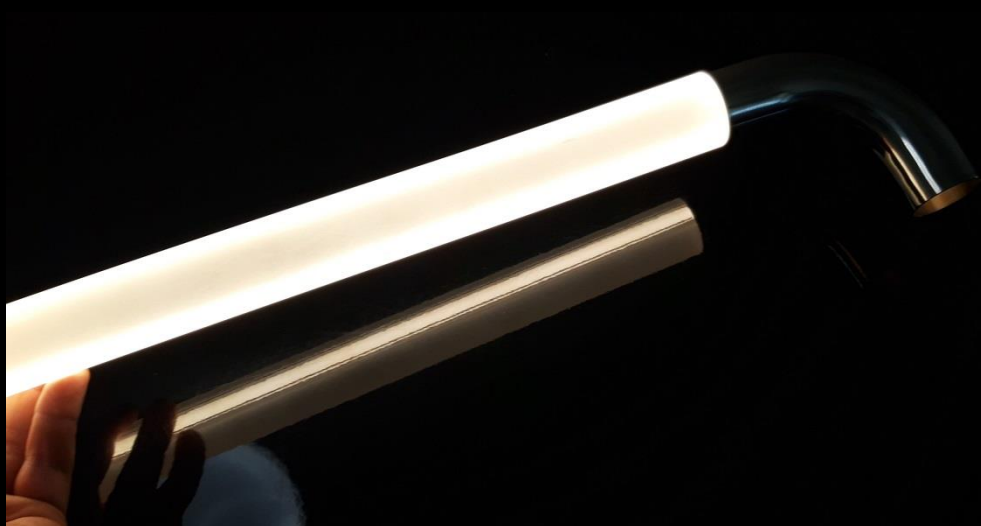
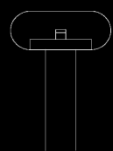
The products are also applicable to yachts and superyachts, both indoors and outdoors.

The shapes and section sizes, as well as the length of each individual light element, are absolutely customizable and the Pmma bars can be curved (for example for spiral staircases).

A metal insert can also be foreseen inside the Pmma structure in case of need to strengthen individual very long modules.

It is possible to choose the nanotechnological protectant based on the application environment.

As regards RINA certifications for boats, such as pulpits/handrails, it is possible to mount the Pmma directly on an already certified/certifiable steel structure (attached is an example of a flat oval handrail section).



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Nicolazzaro Srls Innovative Startup

Strada Nuova di Baganzola, 11 / A - 43126 Parma Italy

www.nicolazzaro.eu - info@nicolazzaro.eu