

# Lighting device \_ MODULED.

## Priority Number

n. 202018000003119 \_ 30.07.2018.

## Patent Type

Patent for utility model.

## Ownership

Sapienza University of Rome 100%.

## Inventors

Sabrina Lucibello, Spartaco Paris.

## Industrial & Commercial Reference

The main areas of application are in the supply of lighting systems for private habitat (home, office, outdoor, etc.).

## Time to Market

The model was developed in its formal aspects and in those related to usability, creating a non-functioning prototype. The lamp uses already established power supply and light devices.

## Availability

Cession and Collaboration.



## Abstract

Lamp based on the use of LED technology with the following characteristics: portable, lightweight, multifunctional, design-driven.

From an in-depth analysis of the LED lighting sector, the products are mostly mono-functional.

This product is qualified as being able to satisfy different needs and methods of use, in particular: use as a table lamp (table, bedside table); use as a portable lamp (nomadic); use as a courtesy lamp (night, absence).

The product is characterized by a base and a LED lighting body, which can be imagined as single or multiple, depending on the needs. In fact, the lamp, connecting to the base is recharged, but is also in position for use as a table lamp.

If instead the lighting body is disconnected from the base, it can be transported like a torch and used as a "courtesy" lamp, providing the user with a "synaesthetic" feedback that is at the same time tactile (heat) and visual (brightness).

This flexibility in modulation (hence the name "Moduled"), allows it to be divided into a collection / system of different types (wall lamp, floor lamp, etc.).

## Publications

- ❖ Paris, S. (2014, March). Lighting. Review. In Domus n. 978, p.118-9. Milan: Editorial Domus.
- ❖ Lucibello, S. (2003). Luceplan: Beautiful lamps for everyone. In Diid. Industrial Design Industrial Design, vol. 5, p. 92-103.

## KEYWORDS

- ☐ LED LIGHTING
- ☐ PORTABLE LAMP
- ☐ MULTIFUNCTIONAL LAMP
- ☐ DESIGN-DRIVEN LAMP
- ☐ LIGHTWEIGHT LAMP

## AREA

- ☐ ARCHITECTURE DESIGN & CULTURAL HERITAGE

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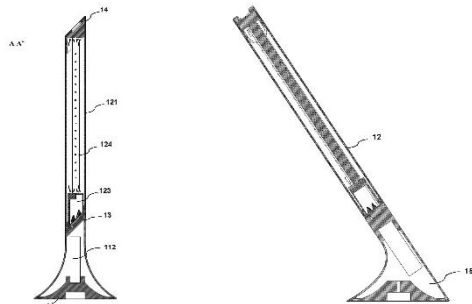


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## Technical Description

The proposed device implements a lighting system which comprises a support and recharge base and one or more LED illuminating modular elements, preferably rod shaped, which are removable and connected to each other and / or to the base.

The modular elements are advantageously provided, in addition to the LED device and the elements of connection, a system of rechargeable batteries.

In a first possible use mode, the device can be used as a table, wall or floor lamp. In a second possible mode of use it is then possible to extract one or more modular elements and use them as a torch. This characteristic results particularly useful in case you want to illuminate an environment without sources of power supply or you want to direct the light into a precise one direction.

## Technologies & Advantages

The proposed lighting device is characterized by its portability, guaranteed by the fact that the luminous component of the lamp can be detached from the base.

A consequence of this characteristic is then the poly-functionality of the lamp, which can advantageously perform various functions as a fixed or portable lighting device. Further elements which make the present poly-functional illuminating device derive from the fact that both the base and the illuminating modular elements can be proposed in different embodiments.

The lamp can therefore be composed and decomposed by the user, for example by changing the order in which the modular lighting elements are connected, depending on the need and convenience of use, obtaining a different device.

Last but not least the proposed product, which by formal analogy and its reference to a "candle" devoid of candlestick, urges an interaction with the user based on synaesthesia of senses (touch-sight) from the moment that allows the user to "touch" and "direct" the light source, modulating the luminous intensity.

## Applications

The main areas of application are in the supply of lighting systems for private habitat:

- home;
- office;
- outdoor;
- etc.



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