

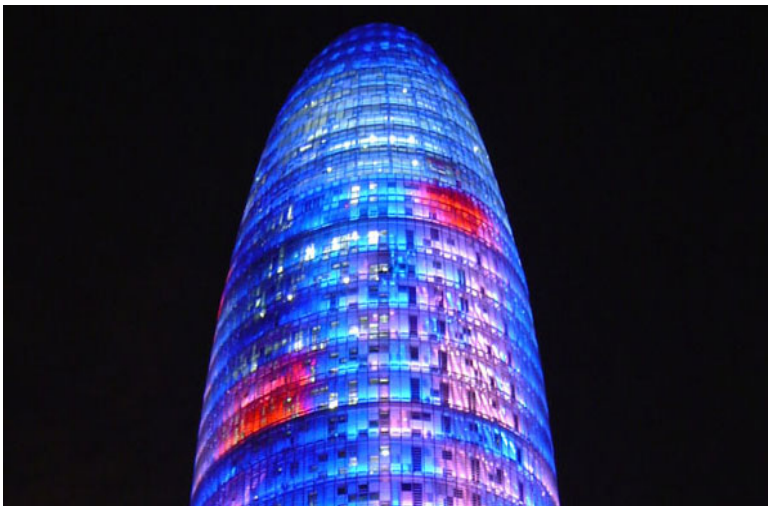
## Roland MDX Case Study – Light LED Design

### *Creating Illumination Technology with the MDX-540*

Lightled is a Barcelona company founded as a result of the evolution from electric light to electronic light. Its corporate vision is to give shape to lighting. The firm is not yet well known, but has a bright future in the fields of lamp design and lighting effects. They are developing products not only for indoor lighting such as shop displays and interior decorating, but also for buildings, traffic lights and other outdoor illumination.

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LEDs (Light Emitting Diodes) are remarkable for their small size, low electricity consumption and maximum radiation and durability. Today, LEDs are one of the most popular components for both indoor and outdoor lighting. LEDs transmit frontal light and 100% of their light is usable, which helps them achieve a high efficiency level.



Lightled bought a Roland MDX-540 milling machine in 2007 to manufacture prototypes of lighting designs. The unit works intensively, seven days a week, in a non-stop environment. Mr. Eduardo René of Lightled explains: "We are applying LED technology to almost every possible form of lighting. We are designing lighting for the future by introducing the latest advanced technology. The MDX-540 lets us realize all our lighting designs so we can test them under all conditions, including light radiation, weather resistance, dust, etc. We even use it for small production runs."

Lightled was recently involved in one of the country's largest illumination projects, the Agbar Tower in Barcelona. The Agbar Tower is the third tallest skyscraper in the city and has become a popular hallmark of the city's skyline. Thanks to colorful lighting, the tower can be seen from almost anywhere in the city.

