

# Case study

## NH Hoteles Eurobuilding car park

Location  
Philips Lighting

Madrid, Spain  
MASTER LEDtube GA



**PHILIPS**

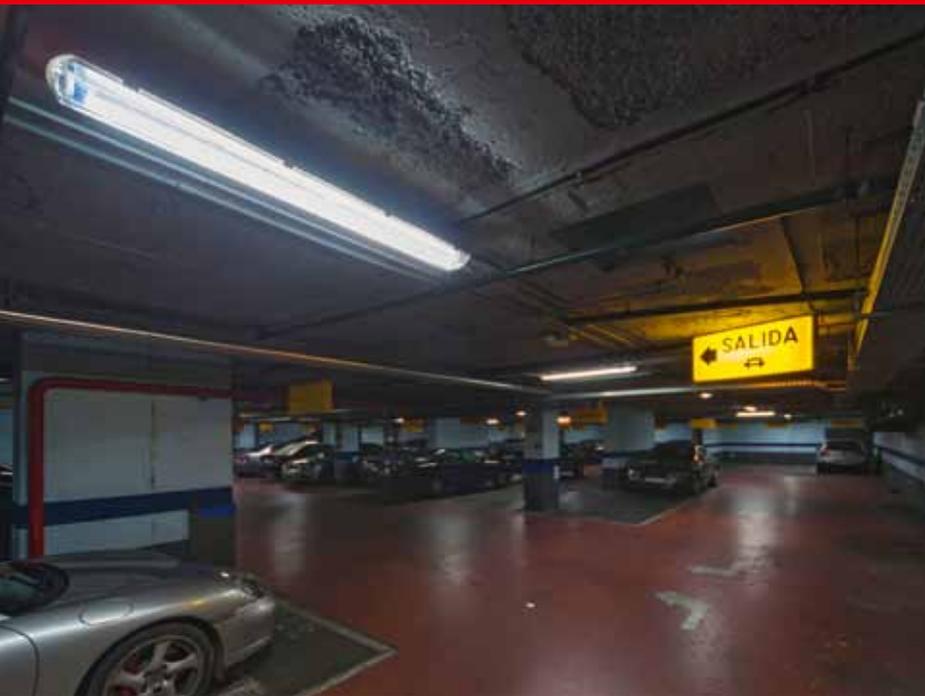


“The LED tube technology provided by Philips meets the needs of the space perfectly while minimising costs and maintenance. Furthermore, the reliability, quality and performance of the solutions offered by Philips were decisive factors in our selection of this option from the vast range of products we trialled for this installation.”

Juan Antonio Caballero, Head of Engineering, NH Hoteles



# High energy savings and zero maintenance costs: that's why NH Hoteles is committed to LED technology



## Project info

### Customer

NH Hoteles, NH Eurobuilding Hotel, car park

### Location

Madrid, Spain

### Philips products

MASTER LEDtube GA 1200 mm 25 W 865

## Background

The NH Eurobuilding hotel in Madrid, one of the flagships of this hotel chain, has shown great foresight in replacing the lighting installations in its car park. In April 2011, the existing lighting systems, comprising linear fluorescent and screen fittings, were replaced with Philips' LED tubes. This installation was the first of its kind in Spain for both Philips and NH and it brought the lighting into line with the chain's 2008-2012 Environmental Plan. In addition to reducing energy consumption, this plan covers waste management, rational water consumption and the increase of reliance on renewable sources of energy. In order to achieve these aims, a Sustainable Suppliers Club has been created, with Philips as a prominent member.

## The challenge

The aim of the project was to select more sustainable products with lower energy consumption, without compromising levels of lighting defined at the outset. This involved replacing the fluorescent lighting in the car park with LED technology. The hotel tested no fewer than 17 different products and brands in order to find the optimum solution.

## The solution

The LED Philips MASTER LEDtube 1200 mm 25 W was the overall winner. This solution was selected from all the products that were tested, because it combined the best illumination with minimum consumption. Other decisive factors were the quality of light, the product design and long life expectancy (up to 40,000 hours). After the lighting solution had been selected, various colour temperatures were tested. The hotel management opted for color temperature 6,500 K, which is typical of similar installations within the NH chain.

## Benefits

The energy savings resulting from these choices are 40% higher than for conventional solutions. Maintenance costs have been reduced to zero. A total of 305 MASTER LEDtubes were installed and eighteen months on (> 13,000 hours) none of the new units has failed.

The exemplary efforts of NH Hoteles in the area of sustainability and the success of this installation has resulted in increased interest in LED-based technology. Similar activities are being rapidly adopted throughout this global hotel chain.



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