



# Case study

## NH Hoteles Eurobuilding

Location  
Philips Lighting

Madrid, Spain  
MASTER LEDtube GA, MASTER LEDspot GU10



**PHILIPS**



“The LED 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



# So many benefits... it's obvious that NH Hoteles is committed to Philips' LED technology



## Project info

### Customer

NH Hoteles, NH Eurobuilding Hotel refurbished rooms, reception area, corridors and lobby areas, restaurant, cafeteria and car park

### Location

Madrid, Spain

### Philips products

MASTER LEDtube GA 1200 mm 25 W 865

MASTER LEDspot GU10 7 W, 5.5 W and 4 W 2700 K

## Background

The NH Eurobuilding hotel in Madrid has 440 bright and spacious rooms on 15 floors. As part of its continuous improvement program, the hotel has decided to utilize LED technology when upgrading its facilities. The NH Hoteles chain needs to tackle lighting in order to meet its environmental objectives. In its 2008-2012 Environmental Plan, NH Hoteles brought forward the European Union's 20-20-20 campaign by eight years. NH Hoteles is succeeding in meeting the objectives for reducing energy consumption and emissions set out here, in decreasing its energy and water consumption, CO<sub>2</sub> emissions and waste production by more than 20%. Today, NH Hoteles is busy with a new plan for 2015 in which it has set out even more ambitious objectives. It is no longer just about reducing consumption and emissions, but also about obtaining certifications like ISO 14.001 and 50.001, which the NH Eurobuilding Hotel has already been awarded.

## The challenge

In the hotel's plans to completely refurbish 90 of its rooms, the lighting systems in its car park, main corridors and lobby areas, it did not hesitate in turning to LED technology. The hotel examined a vast array of options, searching for those that would consume less power

without compromising the level of lighting defined at the outset. The hotel tested a huge selection of different products and brands in order to find the optimum solution.

## The solution

From among the products tested the hotel management selected the Philips MASTER LEDtube 1200 mm 25 W for the car park lighting, because it combined the best illumination with minimum consumption. The rooms, corridors, lobby area, restaurant and cafeteria, etc. are illuminated with the Philips MASTER LEDspot GU10 7 W, 5.5 W and 4 W. Other decisive factors were the quality of light, the product design and long life expectancy (up to 40,000 hours).

## Benefits

The energy savings resulting from these choices are 70% higher than for conventional solutions. Maintenance costs in the areas where these products have been installed are almost zero. Around 300 MASTER LEDtubes and in excess of 2,000 MASTER LEDspot GU10 units were installed with excellent lighting results. The exemplary efforts of NH Hoteles in the area of sustainability and the success of this installation has increased interest in similar activities. LED-based technology is now being rapidly adopted throughout this global hotel chain.



©2013 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights.

Date of release: May 2013  
Printed in the Netherlands