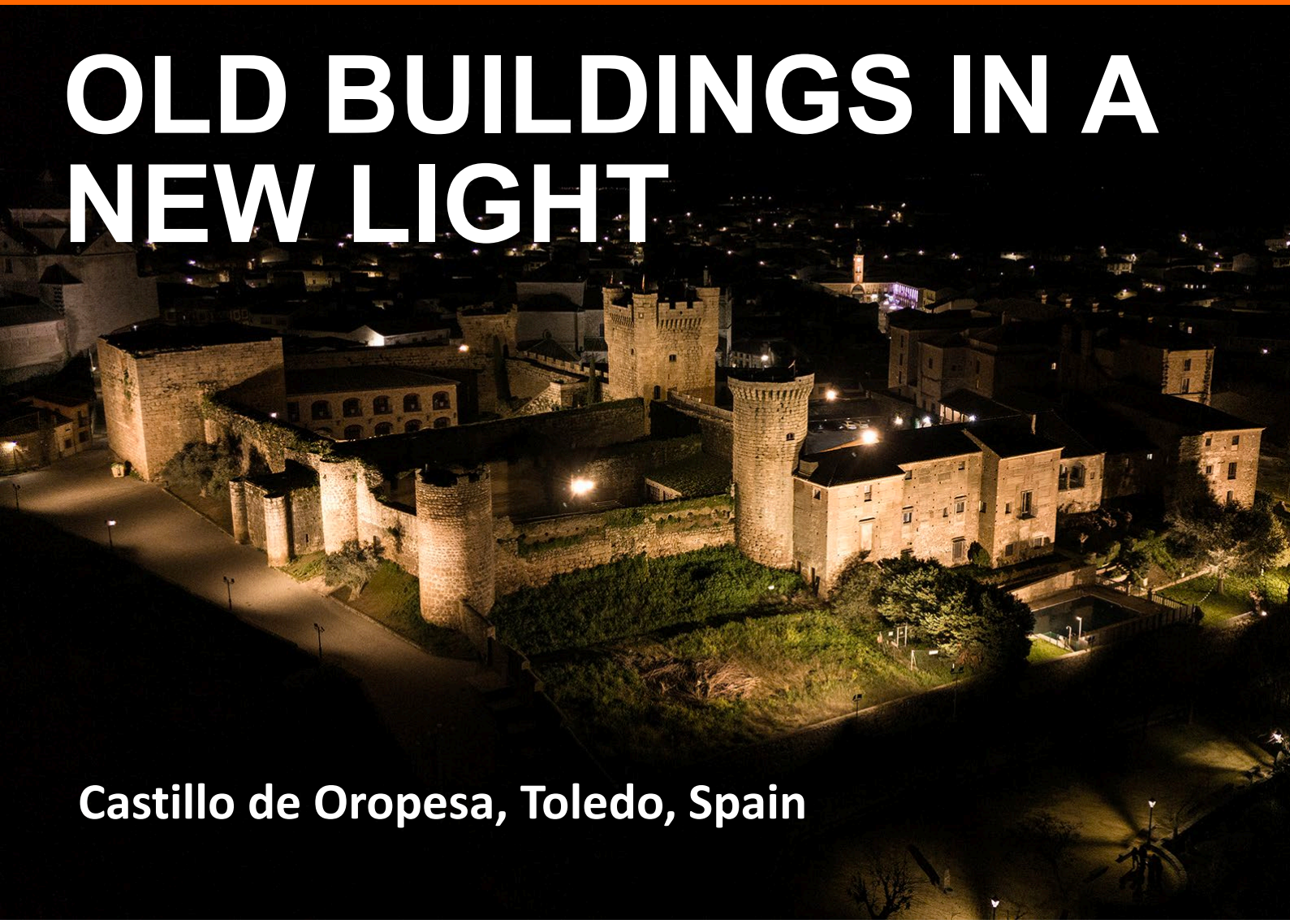
CASE STUDY

LEDVANCE

OLD BUILDINGS IN A NEW LIGHT



Castillo de Oropesa, Toledo, Spain

KEY FACTS

ENORMOUSLY EFFICIENT
The LED floodlights used are highly economical and allow energy savings of up to 90 % compared to conventional floodlights.

SOUND ROBUSTNESS
As LED solutions specially designed for use in outdoor areas, FLOODLIGHT PFM SYM luminaires perform reliably regardless of factors such as dirt, water or large temperature differences thanks to IP66 and IK08 protection.

EXCELLENT LIGHT QUALITY
With reduced glare, symmetrical beam angles and a warm light color of 3000 K, the lighting solution from LEDVANCE perfectly accentuates the historic buildings.

LESS MAINTENANCE
Innovative LED technology combined with long rated service lives and a five-year product guarantee reduce the costs and effort involved in maintaining the lighting.

LEDVANCE FLOODLIGHT PERFORMANCE 3000K 30W 50 W / 80 W / 150 W / 200 W / 290 W

PERFECTLY STAGED - OUTDOOR LIGHTING FROM LEDVANCE

LEDVANCE was commissioned by the Spanish municipality of Oropesa to design and realize a modern lighting solution for its historic castle complex. The result: an optimally illuminated attraction with significantly lower energy consumption and maintenance costs.

THE CHALLENGE

The spectacular castle and palace complex of Oropesa from the 12th century is a tourist highlight in the Toledo region. However, the previous lighting of the historic ensemble did not adequately show off the architectural beauty of the complex due to insufficient output, uneven illumination and a color temperature that was too cold. A new lighting concept was therefore needed to comprehensively improve the quality of light, optimize the visual experience for visitors and visually emphasize the historical significance of the castle.

THE SOLUTION

The municipality of Oropesa commissioned LEDVANCE to develop and realize a new lighting concept for the castle complex. Decisive factors in the decision were not only the trust in the LEDVANCE brand, but above all the high quality of advice and service as well as the flexible product solutions that can be adapted precisely to the customer's requirements.
Accordingly, LEDVANCE carried out a detailed analysis of the architecture and lighting situation and developed a comprehensive lighting solution on this basis. As part of this, a total of 97 FLOODLIGHT PFM SYM LED floodlights with different lumen packages and lighting angles and a warm light color of 3,000 K were installed at precisely defined locations around the facility.

THE BENEFITS

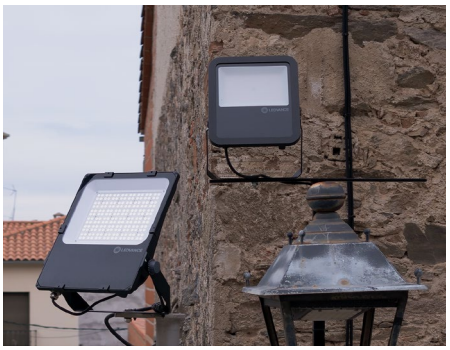
The LED lighting solution significantly increased the lighting quality at the site. The FLOODLIGHT PFM SYM luminaires impress with wattages of 10 W to 290 W that were selected according to the architectural positioning, symmetrical beam angles of 30°, 60° or 100° and homogeneous light distribution and reduced glare thanks to a hardened glass cover. The LED solution offers a particular advantage in terms of energy consumption: FLOODLIGHT luminaires allow savings of up to 90 % compared to conventional floodlights. And thanks to a product guarantee of five years and a rated service life of up to 70,000 hours, future expenditure and costs for maintaining the luminaires are also significantly reduced.

SUMMARY

For the municipality of Oropesa, LEDVANCE developed and realized an innovative and efficient lighting concept for the historic castle and palace complex of Oropesa based on a detailed lighting analysis. With a total of 97 FLOODLIGHT PFM SYM LED luminaires, LEDVANCE implemented a lighting solution that not only optimizes lighting quality, significantly reduces energy consumption and maintenance costs, but also improves the visual experience for visitors and thus promotes tourism in the region.

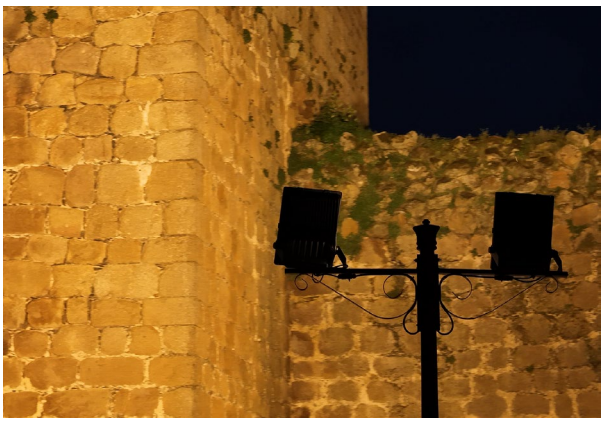
„The collaboration with LEDVANCE has been a complete success for us from initial planning to final realization and the region is already benefiting from their solutions for one of our most important tourist attractions.“

Rubén Zapardiel, Mayor of Oropesa



IP66 and IK08 protection for robustness

The historical character is enhanced by a uniform illumination



Floodlight Performance illuminating in a warm 3000 K color temperature