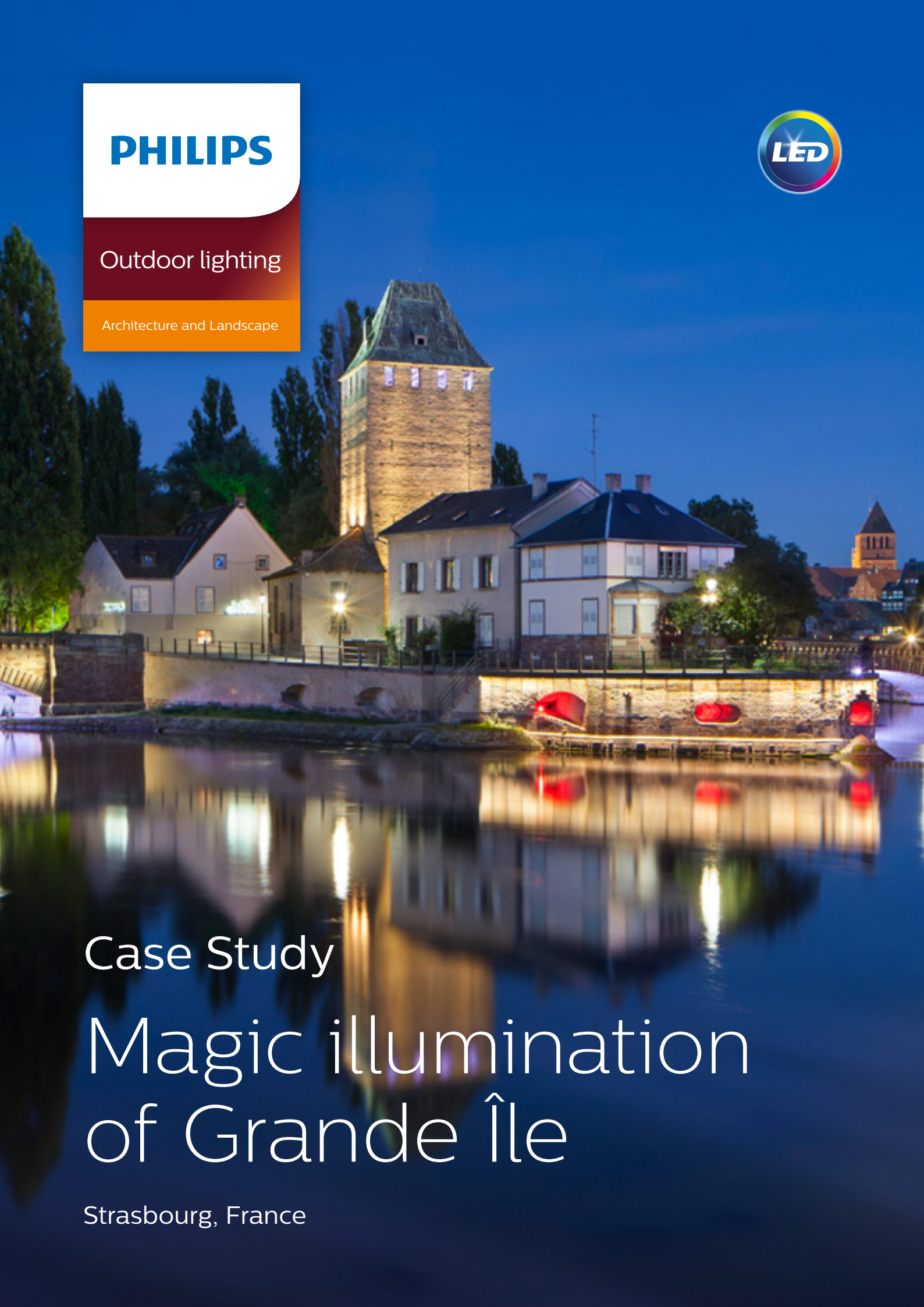
PHILIPS

Outdoor lighting

Architecture and Landscape



Case Study

# Magic illumination of Grande Île

Strasbourg, France


Place du Château

> **The execution of any lighting plan must respect the architectural and urban compositions.** And in the case of LED, it is also flexible to control the quality of white light."
>
> **Jean-Yves Soetinck, lighting designer, Acte Lumière.**

Architecture & Landscape


Barrage Vauban

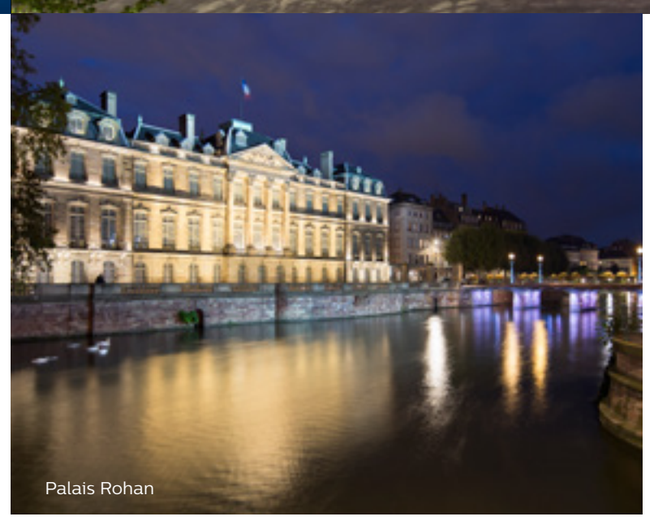

Place du Château

## Background

Grande Île, situated in the historical center of Strasbourg, is encircled by the River Ill to the South and the Fossé du Faux Rempart canal to the North. It was listed as a UNESCO World Heritage site in 1988. The lighting design concerns several different areas: Place du Château, which offers a remarkable panorama of architectural works from the Renaissance period to the early 20th century; the banks of the River Ill, highlighting the Bassin Vauban; the museum of history, the old customs house and the Palais Rohan.

## The project

This medieval treasure trove includes a number of museums, historical monuments and churches enclosed in dark areas where the old lighting no longer had its magic look.
The lighting plan needed to reveal the most remarkable elements and highlight the architectural details, thereby inviting both tourists and citizens to rediscover the site's attractiveness. "The local government's aim, explains Hélène Loewenguth, Lighting Plan Manager, City of Strasbourg, was to give the public lighting more consistency, paying special attention to the luminaire designs, to the color temperatures of the lighting and to energy savings. Bearing in mind the importance of the monuments concerned, the program had to be developed in close cooperation with the Architecte des Bâtiments de France (the architectural expert at the Regional District of Cultural Affairs)."


Palais Rohan

DecoScene LED floodlights were installed all around the Place du Château and equipped with different white color temperatures, which makes it possible to play with different white tones, adapted to the different architectural details.


LEDline2

iW Blast Powercore

iW Graze Powercore

DecoScene LED

iW Burst Powercore

“**The river banks and facades are lit by Philips architectural LED solutions with DMX controls,** which has brought us a re-invention of Grande Île’s public spaces and reduced their energy consumption.”

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Musée historique

As lighting designer Soetinck explains: “The central part of the Œuvre Notre-Dame building is lower and presents different architectural details to those of the two wings. The other monuments were designed according to the same principle. The quality of the LED floodlights gave me the possibility to reflect this feature in light, by using a different white color and lighting level for the center of each facade compared to those on the sides.”

Furthermore, overtones of light reveal particular architectural details such as the pediment of the Œuvre Notre-Dame, the statues of the Palais Rohan and the arched pediments. The permanent lighting of the Place du Château ensures a gentle transition between the ground and the facades, and highlights their upper parts through slightly stronger lighting while also limiting the shadows cast by elements such as cornices.

The banks of the River Ill and the Bassin Vauban also benefitted from the new lighting, designed by Ecotral, which opted for a marriage of white and colors. A warm white emanates from the DecoScene LED and LEDline floodlights arranged on the underside of the roofs along the riverbanks, while color brings the Barrage Vauban to life with its four towers and the covered bridges of the Bassin Vauban. Variations of color are achieved thanks to dynamic DMX control systems and Graze, Burst and Blast floodlights.

## The benefits

The use of LED technology enabled more accurate targeting of the architecture in the city, highlighting the variety and increasing the interest of tourists and citizens to visit the site by night. Making Grande Île an attractive place to visit.

The energy efficient lighting significantly lowered the energy use and delivers an effective and appropriate lighting.

In addition the city benefits from the reduced frequency of maintenance work, thanks to the long lifespan of the lighting installation

Finally, the miniaturization and compactness of the LED lighting means they can be discreetly incorporated into buildings without damaging the architecture, preserving the UNESCO heritage.

Magic look increased interest from tourists and citizens

Reduced energy consumption and maintenance

Inviting place to visit and enjoy nightlife




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