

CASE STUDY



LEDVANCE

BEST LIGHT IN THE AREA

Municipal lighting in Oberhaslach, France

KEY FACTS

LIGHT OF THE HIGHEST STANDARDS

Selectable colour temperatures and wattages and asymmetrical distribution of the low-flicker light ensure optimum lighting in outdoor public spaces.

GUARANTEED LONG PERFORMANCE

A service life of up to 100 000 hours and a product guarantee of five years make it easier to maintain the LED luminaires.

EFFICIENT ENERGY USE

State-of-the-art LED technology enables energy costs to be reduced by up to 65% and annual CO₂ savings of up to 99 kg*.

ROBUST UNDER ALL CIRCUMSTANCES

With a robust design, high impact resistance (IK 10) and IP66 protection, the URBAN LANTERN is designed for outdoor use.

URBAN LANTERN V 29W ASYM PS 822-827 IP66 GY



LEGALLY COMPLIANT, WELL LIT - LED OUTDOOR SOLUTIONS FROM LEDVANCE

Outdoor lighting to the latest standards: For the municipality of Oberhaslach, LEDVANCE equipped Marin Braun square with robust LED URBAN LANTERNS, which significantly increase the quality of light, reduce energy costs by up to 65% and at the same time reduce maintenance costs in the long term.

THE CHALLENGE

In France, since January 1st, 2025, most ball-type luminaires must be replaced to comply with the Decree of December 27th, 2018 on the limitation of light pollution. This decree aims to reduce the negative impact of outdoor lighting on the environment, biodiversity and energy consumption. The order requires that all outdoor luminaires whose proportion of light emitted above the horizon line in installation conditions is greater than 50%, be replaced. Colour temperature is limited to 3 000K, with stricter constraints in protected areas. For example, the town of Oberhaslach in Alsace, which still had 5 obsolete ball luminaires on the Marin Braun square, had to replace them with efficient lighting that complied with the legislation.

THE SOLUTION

The municipality of Oberhaslach commissioned LEDVANCE to modernise the public lighting at the Marin Braun square. The decisive factor in the decision was that the municipality already had good experiences

with LEDVANCE products in the past and had also received a customized offer from the company in view of the legal ban on globe luminaires.

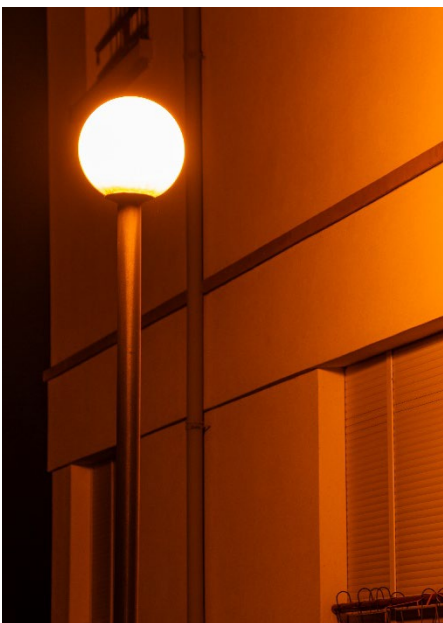
Secondly, as LEDVANCE operates an office and warehouse in neighbouring Molsheim, the mayor of Oberhaslach was happy to opt for a locally based company. Accordingly, LEDVANCE replaced the existing globe lamps on Marin Braun square with five innovative URBAN LANTERNS.

THE BENEFITS

With the URBAN LANTERN ASYMMETRIC 29W, the municipality of Oberhaslach now has a legally compliant outdoor lighting system that also offers many other advantages: For example, the LED luminaires with selectable colour temperatures and wattage settings, a low-flicker light and asymmetrical light distribution ensure perfect lighting quality. Thanks to the robust design, high impact resistance (IK 10), IP66 protection rating and a wide ambient temperature range (-30 to +50 °C), the lights are also optimised for changing external conditions. The innovative LED

"We're delighted to have been able to replace these ball luminaires with Ledvance LED solutions. The solution offers a number of advantages, and we're fully satisfied. When it comes to public lighting, there are several issues at stake for our municipality. A public safety issue, a comfort issue for local residents, an issue linked to light pollution and the protection of biodiversity, and then an economic issue. With this solution, we are able to meet all these challenges, while protecting the environment, ensuring the comfort of our neighbors, and saving money in terms of energy consumption and maintenance. For our village, it's a pleasure to be able to meet all these challenges."

Mr. Jean Biehler, Village Mayor



Before (left) and after (right) shows how the upward light being lost has significantly been reduced

technology and a luminous efficacy of up to 133 lm/W also enable the municipality to reduce energy costs by up to 65% and achieve annual CO₂ savings of up to 99 kg*. And a service life of up to 100 000 hours (L80/B10) with a 5-year guarantee minimise maintenance effort and costs.

SUMMARY

On behalf of the French municipality of Oberhaslach, LEDVANCE has replaced the outdated NAV spherical streetlight luminaires on Marin Braun square with modern LED URBAN LANTERNS. The new luminaires not only comply with the mandatory legislation in France from 2025. The robust LED luminaires also ensure significantly better lighting quality, enable a 65% reduction in energy costs and also reduce maintenance costs thanks to their long service life and 5-year guarantee.

Customer: Municipality Oberhaslach

*Compared to conventional 70W NAV lamp. Based on an operation of 5 luminaires for 365 days a year, 7 days a week, with an average of 11 hours of lighting per day, i.e. 4,015 hours of operation per year. Including power consumption. Price of kW/h = € 0.26.