



Case study

Karlino Parkowa

Location
Philips Lighting

Karlino, Poland
Fortimo LLM 3000lm, Dynadimmer

PHILIPS
sense and simplicity



“This lighting solution has certainly fulfilled my high expectations. Given the high cost of electricity in Poland, the investment will be recouped in less than 2 years. Thanks to the very long life of the LED module, around 50,000 operating hours, we’ll also realize considerable savings on maintenance costs and lamp replacement.”

Waldemar Misko, Mayor of Karlino



Municipality of Karlino innovated with safe, attractive and super-economical lighting solution from LuxLight Company and Philips



Project info

Customer

Municipality of Karlino

Location

Karlino, Poland

Installation

Karlino Municipal Works Department

Luminaires

LuxLight Company ESLL 3000 street light

Philips products

Fortimo LED LLM 3000lm, Dynadimmer 1-10V

Philips Key Account Manager

Wojciech Kapturkiewicz

Background

The Polish town of Karlino has around 10,000 inhabitants. As part of the magnificent countryside of the Białogardzki district, Karlino is justifiably referred to as a 'green town'. The many natural neighbourhoods, the 150 windmills and moreover Karlino Castle make the town especially attractive.

The challenge

The park in Karlino is one of the many green places where you can enjoy nature. A culture of outdoor relaxation means that the park is used not only during the day – in the evening residents need to feel good here. The existing street lighting, with its yellowish light from the sodium lamps, was no longer adequate. "We wanted a luminaire that matched this environment", says Waldemar Misko, Mayor of Karlino. "Preferably with energy-efficient lighting and with natural colour rendering that improves visibility and hence the feeling of safety." For this project the municipality was charmed by the LuxLight Company's ESLL 3000 luminaires. "This historic-looking street light has a beautifully decorated mast displaying the town logo", says Dawid Rybicki, Managing Director of the LuxLight Company. "The luminaire is fitted with the very energy-efficient Philips Fortimo LED LLM (linear light module), giving electricity cost savings of 40%." In addition to the efficiency of the LED lighting, Dawid Rybicki together with his sales manager Dariusz Schmidt convinced the municipality to further improve cost management with additional savings of up to 35% that could be achieved with the Philips Dynadimmer.

The solution

In and around the park four streets have been fitted with a total of 104 ESLL 3000 street lights, with Philips Fortimo LED LLM and Dynadimmer. Thanks to this control system the light lowers automatically to 75% of power at 11 p.m. and to 40% at midnight. At 4 a.m. the light switches back to 75% power and after 5 a.m. back to 100%. As a result of the new lighting solution, the park appears to have undergone a metamorphosis. The combination of single and dual street lights designed by Stanisław Zywert wonderfully matches the atmosphere and as of now this area provides all the required comfort, even in the evenings. Residents say they feel safer and can see better. A clear advantage of the new lighting: since LEDs do not produce ultraviolet light, the lamp does not attract any insects, something that in this area is definitely a bonus!

Benefits

"I'm very pleased with this lighting solution", says Mayor Misko. "The LuxLight Company's attractive street lights in combination with the excellent lighting and the Philips Dynadimmer have certainly fulfilled my high expectations. Given the high cost of electricity in Poland, the investment will be recouped in less than 2 years. Thanks to the very long life of the LED module, around 50,000 operating hours, we'll also realize considerable savings on maintenance costs and lamp replacement. We're considering using this lighting solution again."



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