

PHILIPS Lighting

Press Release

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The Nowe Żerniki housing estate in Wrocław is making the vision of the city of the future come true with the use of Philips Lighting

Wrocław, Poland - Philips Lighting, the global leader in lighting products, has completed the lighting system for a modern residential complex in Wrocław that is supposed to become a calling card for the city around the world and use the latest technological solutions. Thanks to its lighting by Philips CityTouch and Lumimotion systems, this flagship housing estate in Wrocław meets the highest lighting standards and ensures its residents live in a comfortable and safe way.

The Nowe Żerniki housing estate is also called WuWa2 in a direct reference to attempts to lay the foundations for a housing estate of the future during the interwar years - "Wohnung und Werkraum", which involved the most important architects of the time. The best local architects, as well as consultants and local residents, took part in the creation of the final shape of Nowe Żerniki. The aim of the project was to create a space that would become a showcase for Wrocław, the European Capital of Culture 2016. The jointly developed solutions have won the main prize of ISOCARP, an organization for urban planners from more than 80 countries.

"We decided to work with Philips Lighting due to their professional approach towards broadly understood sustainable development and their design support for architects. We were able to learn from the company's extensive experience in energy efficiency issues ", said Zbigniew Maćkow, chairman of the Lower Silesian Chamber of Architects and an organizer.

The design of the lighting was created by the architect Andrzej Pruszyński. The Luma luminaires from Philips Lighting that he used are installed at two heights - 5 and 8 meters, which together with lenses and backlight illuminators, directs the light exactly where it is necessary. The Lumimotion system in turn senses movement, or lack thereof, adjusting the intensity of the light accordingly to deliver only as much as needed. The luminaires also offer a variety of color temperatures ranging from 2700°K to 4000°K - in pedestrian areas they glow with a warmer light, in areas where there is car traffic they are white.

The luminaires are connected by the Philips City Touch system, which allows their intensity to be remotely controlled and adjusted according to needs and the changing conditions. The system also has a built-in auto-analyzer function and sends alerts['you' sounds bad here] about the need for maintenance or replacement of damaged parts, which significantly reduces the cost of maintaining the lighting infrastructure. In addition, the installation of LED lighting instead of conventional lighting allows for significant electricity savings. The luminaires used provide a life expectancy of up to 100,000 hours without sacrificing performance, and a reliable, constant electrical supply allows the infrastructure to be used to offer residents functionalities such as wireless internet or charging electric vehicles.

"We wanted to show people how LED lighting helps to distinguish colors, enhance experiences, and increase security. During the day we navigate spatially, but at night we are guided by artificial lighting that replaces the sun", explains Piotr Fokczyński, director of the Department of Architecture and Construction, city architect, and Nowe Żerniki project coordinator.

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The implemented solutions significantly affect both the aesthetics and the security of the inhabitants of the estate. The Lumimotion system increases the light intensity in places where it detects movement, so that both pedestrians and drivers can be sure they will be noticed. The Nowe Żerniki housing estate has been designed according to state-of-the-art urban trends. It is an open space that fosters the creation of civil society, where neither fences nor gates are used. Clear boundaries between residential and utility areas are defined thanks to the use of proper lighting and color matching.

"This project is so different from any other because it is multi-layered. It's not just a question of savings, but above all of humanizing lighting. Light has to follow the rhythm of life, and not legal norms, which obviously still need to be met" concludes architect Andrzej Pruszyński, designer of lighting technology and lighting for Nowe Żerniki.

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