



Press Release

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Signify installs Poland's first FULL LED lighting in a pink tomato greenhouse

Warsaw, Poland – [Signify](#) (formerly Philips Lighting), (Euronext: LIGHT), the world leader in lighting, has installed LED lamps in a Tomimaru Muchoo pink tomato greenhouse for the first time in Poland. This innovative full LED system was implemented on a 2ha plantation belonging to Łukasz Budyta Greenhouse Complex, which was fitted with [Philips GreenPower LED toplighting modules](#) and [Philips GreenPower LED interlighting modules](#). Electrical installation design works on the project were carried out by Philips Horti LED Partner – company Lek/Habo.

Modern greenhouse lighting

Signify provides growers horticulture LEDs, which allow them to increase growth predictability, quality and yield, and which allows growers to grow fruit and vegetables in their greenhouses all year round. As LEDs are more energy-efficient than high-pressure sodium (HPS) lamps, it also helps growers to reduce electricity consumption.

“When designing the greenhouse lighting, we wanted to minimize the installed grid power while maintaining levels of light that are appropriate for the plants need. LED lighting is the most energy-efficient, and at the same time – which is equally important to us – the most environmentally friendly solution,” said Łukasz Budyta, owner of Łukasz Budyta Greenhouse Complex.

Compared to 1000W HPS lights, Philips GreenPower LED lighting produces the same amount of light while consuming 50% less energy and producing little radiation heat. This allows growers to independently control the temperature and amount of light deployed, and thus more effectively control climate conditions in their greenhouse. The use of LED modules can shorten production cycles, increase yields and allow better use of growing space. Modern lighting ensures economical and at the same time eco-friendly greenhouse cultivation.

“Philips GreenPower LED lighting is an innovative approach to year-round cultivation of vegetables and fruit in greenhouses. We are constantly following the trends and trying to meet the requirements of our business partners, and our technology for grow light with LEDs in greenhouses is perfectly in line with the eco-friendly approach of modern farms,” said Maciej Król, Horti LED C&EE Business Development Expert, Signify.

Pink tomatoes all year round

Łukasz Budyta Greenhouse Complex focuses on growing pink tomatoes. As the first farm in Poland, it uses LED lighting in a greenhouse in Piotrowice near Karczew.

The greenhouse is illuminated with a full LED system, providing a light intensity of 140 $\mu\text{mol/s/m}^2$ from toplighting modules and 60 $\mu\text{mol/s/m}^2$ from interlighting modules, which allows intensive and energy-efficient winter cultivation.



The setup of their lighting installation is the result of successful trials carried out in 2015-2017 at the micro-greenhouses of the Warsaw University of Life Sciences (SGGW). In their own full-size production facility located in Piotrowice, Łukasz Budyta Greenhouse Complex wanted to repeat the results achieved in the test installation.

Łukasz Budyta Greenhouse Complex is located near Warsaw, providing easy, direct access to the vast market of the Polish capital and the rest of the country. The first pink tomatoes grown using Signify's Philips LED fixtures are now available in stores in Warsaw

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About Signify

[Signify](#) (Euronext: LIGHT) is the world leader in lighting for professionals and consumers and lighting for the Internet of Things. Our [Philips](#) products, [Interact](#) connected lighting systems and data-enabled services, deliver business value and transform life in homes, buildings and public spaces. With 2019 sales of EUR 6.2 billion, we have approximately 32,000 employees and are present in over 70 countries. We unlock the extraordinary potential of light for brighter lives and a better world. We have been named [Industry Leader](#) in the Dow Jones Sustainability Index for three years in a row. News from Signify is located at the [Newsroom](#), [Twitter](#), [LinkedIn](#) and [Instagram](#). Information for investors can be found on the [Investor Relations](#) page.