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COOPERATION WITH CITY AND ELEMENTARY SCHOOL

# Aurora pilot project for active virus control through room light

News | 08/27/2021

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The Aurora Lichtwerke have in common with the city of Eichstätt announced that they have started a pilot project with the Biovitae-LED technology in the St. Walburg elementary school. The aim is to actively combat viruses and bacteria using room lighting. In good time before the start of the new school year, the LED ceiling lights were installed in the classroom of the future second class. In addition to illuminating the classroom, these also provide effective germ reduction.



Handover of the protective LED lighting. From left to right: Sister Edith Franke, class leader; Bettina Funk, headmistress; Josef Grienberger, Lord Mayor of Eichstätt; Thomas Walentowski, Aurora Lichtwerke; Christine Bleitzhofer, Chairwoman of the Parents' Council

(Image: Aurora)

The ones from the specialists at the Aurora light works developed LED light uses the Biovitae called technology, which emits certain wavelengths on the visible light spectrum. These have been shown to have an antiviral effect. The luminaire can be used, for example, in offices, hospitals, medical practices, shops or even schools and kindergartens.

## Photobiological safety even with permanent lighting

What makes this disinfection technology so special: it can be used permanently and without risk for people in the room and is therefore crucially different from the conventional UV-C Disinfection technology that is harmful to humans if it is directly exposed to it. The technology with the dual function of light and disinfection uses the blue-violet area of visible light and reduces viruses and bacteria whenever the light is switched on. The Biovitae LED lamps comply with the EU standard IEC 62471 for photobiological safety. This means that there are no potential health hazards from LED lights. The Biovitae LED lamps meet this highest photobiological safety level and have been certified by TÜV. The effectiveness against germs has also been confirmed by several independent scientific institutes.

## Special protection for the youngest

The pilot project that has now started with the Elementary school St. Walburg in Eichstätt fits perfectly into the current time. With the uncertainty of a corona-related autumn and the search for protection - especially for the youngest - use in the classroom is an additional, reliable protective measure. The LED lights were now installed in the presence of the project partners.

On the part of the city of Eichstätt, Lord Mayor Josef Grienberger was there. "The corona pandemic presented us all with great challenges in a wide variety of areas," explains the mayor. "The best possible protection of our students over the next few weeks and months requires our special attention. With this pilot project, which enables effective virus control using normal room light, we have another way of reliably guaranteeing this protection Technology from the local company Aurora Lichtwerke confirms once again the innovative strength of our Eichstätt location. I am already looking forward to the results of the pilot project from everyday school life and I am sure

"We are pleased, in close cooperation with the city of Eichstätt, the St. Walburg elementary school and the parents' council, to be able to make a contribution through our LED lights to significantly reduce the risk of infection in the classroom," explains Thomas Walentowski, Head of the Light & Disinfection division at Aurora Lichtwerke at the project handover. "We know, of course, that our light provides reliable protection. Now, however, we are concerned with how the LED luminaire actually proves itself in everyday use. We will incorporate the findings from this directly into further development."

As part of the pilot project, the St. Walburg primary school converted a classroom completely to Biovitae lighting as a first step. A total of ten LED lights are used. With the lights switched on, permanently protect the entire room and significantly reduce the risk for schoolchildren of infection with corona or other viruses. The use of the lights in the first classroom in the St. Walburg elementary school in Eichstätt is obvious: the Aurora Lichtwerke are headquartered in the Bavarian district town near Ingolstadt. Further installations - also in other institutions and public facilities - will follow.

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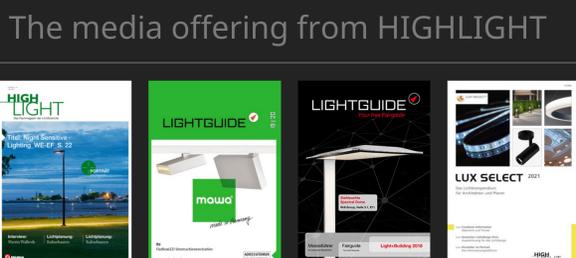
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