

Let there be light!

UC5e

In Use Case 5e, ASCR is testing on-demand, biorhythmic lighting in schools.

- Test of the **technical feasibility** of retrofitting, as well as documentation of the effects on the well-being of the schoolchildren through an **accompanying study from the field of social sciences**.
- In the testbed – **three schools** in Lower Austria – energy-efficient LED lights simulate the **natural progress of daylight** by changing the light colour and light intensity in order to support the students' natural biorhythm.
- The implementation is being done as a **plug & play solution** in order to keep the costs and effort of the retrofit as low as possible, but still having high user-friendliness and acceptance.

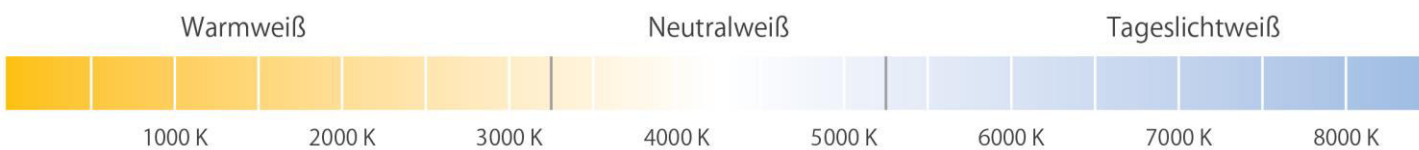
Wien Energie, Siemens

Budget: 0.21 million Euro

Testbeds: Three elementary schools in Lower Austria

Let there be light!

UC5e



Let there be light!

UC5e



The benefits:

- Variable lighting intensity and colour, which simulates the progress of daylight, can significantly increase one's ability to concentrate and one's well-being