Kombineret dagslys og intelligent LED belysning - få dagslys ind i bygningerne - DTU Orbit
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Kombineret dagslys og intelligent LED belysning - få dagslys ind i bygningerne: Slutrapport for PSO 342-044 og PSO 344-007

This report contains a description of the work carried out and the results of the research and development project "Combined daylight and Intelligent LED lighting - getting the daylight into the buildings" and form the final report for this project.

The project is carried out in cooperation between the following partners: DTU Fotonik, Statens Byggeforsknings-institut, Rambøll Danmark, Energifisk giveren and Philips Lighting Denmark. The project has been led by DTU Fotonik, Senior scientist, Ph.d. Carsten Dam-Hansen

The project was financed by the Danish Energy Association through Elforsk’s PSO program, under actions 1. Buildings, 3. Lighting and 5. Power and control electronics. The project has no. PSO 342-044 and PSO 344-007. It was initiated in February 2010 and was ended in March 2013. In the first part of the report a short resume of the project is given, describing the background and aim of the project, the work and results together with future perspectives of the results of the project. The report contains an overview of dynamic lighting systems and a description of the development of a new intelligent dynamic lighting system based on color mixing LED technology. The system, which has been developed for research purposes, is described in the last part of the report together with a description of the research user test done with the system. Finally the work on communicating the results of the project is described.

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