

Project no. 339-052

Development of new environment and energy-friendly fixtures for park, path and square lighting in Albertslund local authority

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The project designed and developed a prototype for a new park lamp fitted with LED light sources (A lamp) to replace the classic Orbiter lamp. The new park lamp comes in a vandal resistant design with excellent colour rendering capabilities and minimum glare. The new park lamp has higher light efficacy, as it is fitted with the latest and more energy-efficient diode light source, thus enabling more than 50% of the energy consumption for outdoor lighting to be saved. The lamp was designed to reflect the same high ambition level as the classic Orbiter lamp and developed in a way so that even more energy-efficient light sources can replace the existing light sources in future.

There is now a foundation for utilisation of experience for a major initiative for energy-efficient renovation of existing lighting. The Albertslund local authority Lighting Plan for 2006 includes - besides the newly designed park lamps - a further two initiatives: a solar cell-driven sett paving developed by the company out-sider for a different Elforsk project, and tunnel lighting which also uses the latest LED technology.

Albertslund local authority is now working on renovating its path and park lighting, totalling 65 km, according to the guidelines laid down in its Lighting Plan for 2006. The first 2.5 km or so will be implemented in 2009 and 2010. Therefore, Albertslund local authority may inspire other local authorities to implement similar initiatives. Working on the basis of this, Philips Lighting will be able to commence actual mass production intended for both the Danish and the international market.