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LED Optical Enclosures for Urban Lighting and Nuisance Glare Problems

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Message from the Guest Editor

Dear Colleagues,

At present, LED lighting is an efficient lighting reality. The works and research studies related to the improvement in LED equipment in urban and domestic lighting are especially interesting. However, some problems related to thermal dissipation, harmonic pollution, light quality, color tº, energy efficiency, adequate envelope, improved optics, useful life, annoying glare, environmental impact, light pollution, and waste recovery are beginning to be detected. These are key for the technological development of LED luminaires and their light efficiency, energy, and sustainability. On the other hand, it is increasingly interesting to analyze the ecological footprint of the manufacturing processes of LED luminaires, including their optical envelope, with LCA techniques, as well as analyzing the recovery of waste from obsolete luminaires. This Special Issue aims to focus on these issues and their impact to achieve optical improvements in LED luminaires, analyzing these problems and proposing improvement solutions.

Prof. Dr. Manuel Jesús Hermoso-Orzáez
Guest Editor

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