Special Issue

LED Optical Enclosures for Urban Lighting and Nuisance Glare Problems

Message from the Guest Editor

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 t°, 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.

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Optics (ISSN 2673-3269) aims at establishing *Optics* as a leading journal for publishing high impact fundamental research and applications in optics field with a fast processing time and high quality service. The journal particularly welcomes both theoretical (simulation) and experimental research within our journal's scope. We encourage scientists to publish their experimental and theoretical results in as much detail as possible. So, there is no restriction on the length or pages of the papers. The full experimental details must be provided so that the results can be reproduced. Electronic files and software regarding the full details of the calculation or experimental procedure, if unable to be published in a normal way, can be deposited as supplementary electronic material.

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