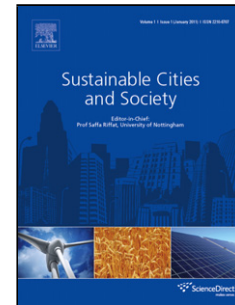


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Title: Generation of BIM data based on the automatic detection, identification and localization of lamps in buildings

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Highlights

- An algorithm to identify lamps is presented to automatically feed the BIM model.
- This greyscale-input method leverages the unique geometry and brightness of lamps.
- The candidate search is performed only on limited regions of the image.
- The computational time is reduced to 18% in the most expensive step.
- 96.9% of the lamps were correctly identified with a distance up to 10 meters.

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