

Screening Product Carbon Footprint

Company,

ADO OPTRONICE CORPORATION


Address

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ADO OPTRONICE CORPORATION (hereinafter refer to as “**ADO**”) authorized SGS to initiate a screening product carbon footprint study on the product “**A 18w LED T8 Tube**” throughout its manufacturing stage.

The aim of the screening product carbon footprint is to provide a simplified calculation of the above product, as a prerequisite for considering a detailed product carbon footprint study for identifying carbon reduction opportunities, or for other purpose(s).

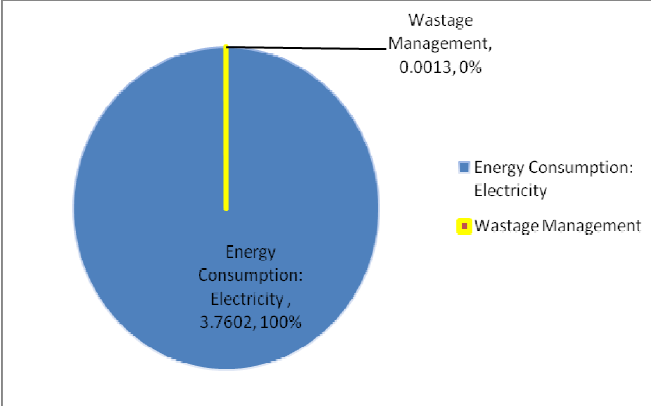
This desk study is based on primary activity data and other data submitted by **ADO** and only significant emission sources are considered. The result of this study is recommended as an internal reference, which is not for a public communication.

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| <p>A 18w LED T8 Tube</p> <p>Model No.: 27A-L260103F</p> <p>Product Description/Functional Unit: A 0.32 kg weighted 18w LED T8 tube</p> <p>Weight: 0.32 kilogram</p> <p>Packing Method: N.A.</p> |  |
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GHG Emission is 3.8 kg CO₂e

Remark: Only significant emission sources are considered during the study.

Summary of significant emissions of the captioned product:

| Emission source | GHG emission (kg CO ₂ e) | GHG Emission Sources Distribution |
|----------------------------------|-------------------------------------|---|
| Energy Consumption: Electricity | 3.7602 |  <p>The pie chart illustrates the distribution of GHG emissions. The vast majority, 100%, is attributed to Energy Consumption: Electricity, which accounts for 3.7602 kg CO₂e. Wastage Management contributes a negligible 0% (0.0013 kg CO₂e).</p> |
| Wastage Management | 0.0013 | |
| Emissions from all above: | 3.7615 | |

Remark:

This study was conducted based on recent 3 months data collected from ADO (from Aug 1, 2014 to Oct 31, 2014)

Issued on: Dec 10, 2014

**Consumer Testing Services
SGS-CSTC Standards Technical Services Co. Ltd**

Appendix

This screening product carbon footprint study is conducted based on below information submitted by ADO

Product Specification: Please refer to the SPCF data collection sheet which was submitted by ADO on Dec 03, 2014
Product photo submitted by ADO on: Dec 04, 2014
Primary activity data sheet submitted on Dec 04, 2014
Other information: Not applicable

Reference

- [1] ISO 14040:2006, Environment management – Life cycle assessment – Principle and framework
- [2] ISO/TS 14067: 2013 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification and communication
- [3] Ecoinvent (v2.2) Life cycle inventory database
- [4] The product carbon footprint calculation platform of the executive yuan of Taiwan Environmental Protection Agency

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