

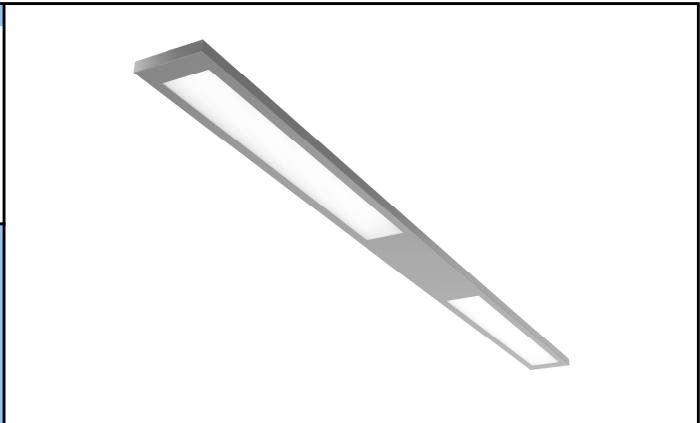
Selene 2

Date: March 2023
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| Product Information | |
|-------------------------|---------------------------------------|
| Product Name | Selene 2 |
| Weight (kg) | 7.39 |
| Size (mm) | 1330mm |
| Service Life (Lx@Hrs) | L90@50000hrs |
| Location Of Manufacture | Ashton-Under-Lyne, Greater Manchester |
| % Assessed by Weight | 100% |

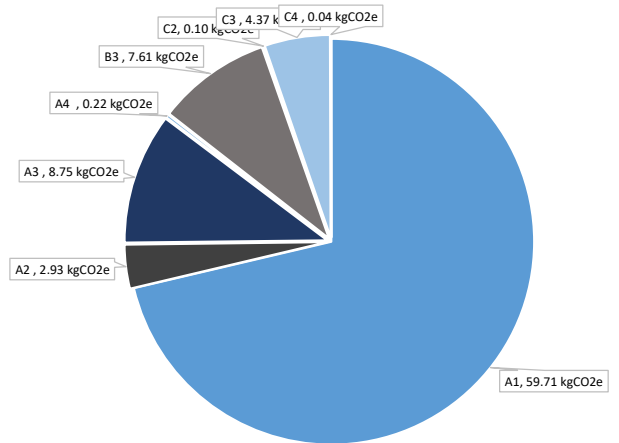
Total embodied carbon calculated in line with Mid Level TM65 calculation method

108.84 kgCO₂e



Embodied carbon calculations results breakdown

| Life Cycle Stage | KgCO ₂ e | Percentage of total |
|-------------------------------|---------------------------------|---------------------|
| A1 Material Extraction | 59.71 kgCO ₂ e | 71.32% |
| A2 Transport to Factory | 2.93 kgCO ₂ e | 3.50% |
| A3 Manufacturing Energy | 8.75 kgCO ₂ e | 10.45% |
| A4 Transport to Site | 0.22 kgCO ₂ e | 0.26% |
| B3 Repair | 7.61 kgCO ₂ e | 9.09% |
| C2 Transport To Waste | 0.10 kgCO ₂ e | 0.12% |
| C3 Waste Processing | 4.37 kgCO ₂ e | 5.22% |
| C4 Waste Disposal | 0.04 kgCO ₂ e | 0.04% |
| Total A1-A4, B3, C2-C4 | 83.72 kgCO₂e | |
| With Buffer (1.3) | 108.84 kgCO₂e | |



About this product

Selene 2 delivers a low energy solution in a sleek and seamless upgradeable body with 100% recycled end caps. Selene 2 is an affordable solution which is equally at home in an education or commercial environment, offering a quadraprism optic for controlled diffusion of light in an IP44 rated body as standard. Uplight versions feature double sided boards which reduces the FR4 material and minimises embodied carbon.

This product is available as Vitality Option
For more information please visit <https://www.whitecroftlighting.com/whitecroft-vitality/>

Assumptions

| | |
|--------------------------------|--|
| A1 Material Extraction | Table 2.1 default values are used from TM65 2021 |
| A2 Transport to Factory | Calculated in line with TM65 Table 4.8 & Table 4.9 (HGV) |
| A3 Energy | WLL use >97% REGO backed renewable energy so assumed value equals 0kgco2/kwh This study is using 2022 energy values and production weight values Energy values as TM65 default Carbon Factors; Electricity (non REGO): Table 4.10 - UK, Gas: Table 4.11 - Global |
| A4 Transport | Approximate distance assumed to be Ashton-Under-Lyne to Northampton (227km), & Table 4.8 (HGV) |
| B3 Repair | TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed |
| C2 Transport to Waste | TM65 Table 4.7 & Table 4.8 |
| C3 Waste Processing | TM65 Table 4.7 |
| C4 Waste Disposal | TM65 Table 4.14 - Light & Table 4.15 |

Following study should be used in absence of appropriate EPD documentation

