

## Avenue metro fusion recessed

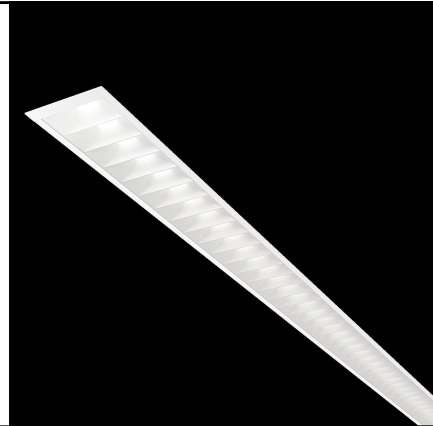
Date August 2026  
Prepared By Sandhra Mili Lal

## Product Information

Product Name Avenue metro fusion recessed  
Weight (kg) 4.646  
Size (mm) L1250 W95 H83  
Service Life (Lx@Hrs) 50,000 hours  
Location Of Manufacture Whitecroft Lighting Ltd  
% Assessed by Weight 100%

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

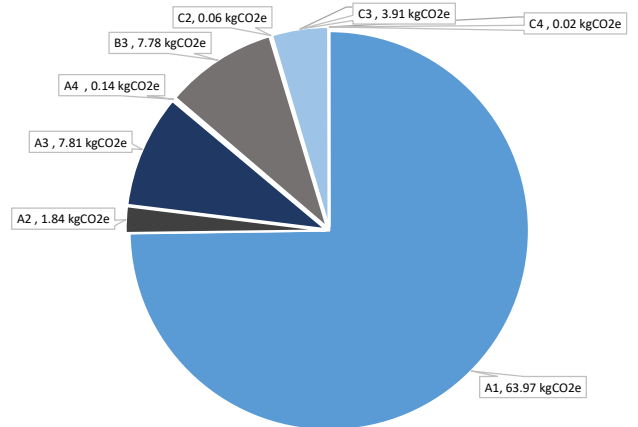
111.19 kgCO<sub>2</sub>e



## Embodied carbon calculations results breakdown

| Life Cycle Stage        | KgCO <sub>2</sub> e       | Percentage of total |
|-------------------------|---------------------------|---------------------|
| A1 Material Extraction  | 63.97 kgCO <sub>2</sub> e | 74.79%              |
| A2 Transport to Factory | 1.84 kgCO <sub>2</sub> e  | 2.15%               |
| A3 Manufacturing Energy | 7.81 kgCO <sub>2</sub> e  | 9.14%               |
| A4 Transport to Site    | 0.14 kgCO <sub>2</sub> e  | 0.16%               |
| B3 Repair               | 7.78 kgCO <sub>2</sub> e  | 9.09%               |
| C2 Transport To Waste   | 0.06 kgCO <sub>2</sub> e  | 0.07%               |
| C3 Waste Processing     | 3.91 kgCO <sub>2</sub> e  | 4.57%               |
| C4 Waste Disposal       | 0.02 kgCO <sub>2</sub> e  | 0.03%               |

|                        |                            |
|------------------------|----------------------------|
| Total A1-A4, B3, C2-C4 | 85.53 kgCO <sub>2</sub> e  |
| With Buffer (1.3)      | 111.19 kgCO <sub>2</sub> e |



## About this product

AVENUE METRO CONTINUOUS - Recessed linear LED system with a modern minimalist aesthetic and TP(a) FUSION optic. Modular options for creating clean continuous lines of light or as a standalone luminaire for use in multifunctional spaces including in LG7 compliant schemes. End caps and jointing kits to be supplied separately.

## Assumptions

**A1 Material Extraction**  
**A2 Transport to Factory**  
**A3 Energy**

Table 2.1 default values are used from TM65 2021. Aluminium data point as per supplier EPD  
Calculated in line with TM65 Table 4.8 & Table 4.9 (HGV)  
WLL use >97% REGO backed renewable energy so assumed value equals 0kgco2/kwh

This study is using 2023 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  
Approximate distance assumed to be Ashton-Under-Lyne to Northampton (227km), & Table 4.8 (HGV)

**A4 Transport**  
**B3 Repair**

TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed

**C2 Transport to Waste**  
**C3 Waste Processing**

TM65 Table 4.7 & Table 4.8

**C3 Waste Processing**  
**C4 Waste Disposal**

TM65 Table 4.7

TM65 Table 4.14 - Light & Table 4.15

Following study should be used in absence of appropriate EPD documentation

