

ATRA

Date February 2026
Prepared By Sandhra Mili Lal

Product Information

Product Name ATRA
Weight (kg) 3.4
Size (mm) 320L 140W 240H
Service Life (Lx@Hrs) L90@>102000
Location Of Manufacture WHITECROFT LIGHTING
% Assessed by Weight 100%

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

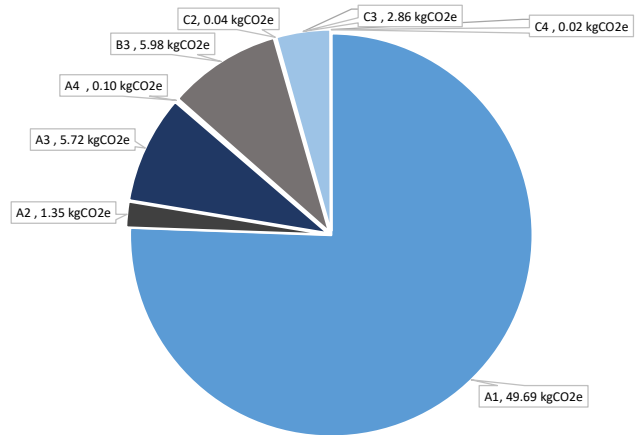
85.49 kgCO₂e



Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO ₂ e	Percentage of total
A1 Material Extraction	49.69 kgCO ₂ e	75.57%
A2 Transport to Factory	1.35 kgCO ₂ e	2.05%
A3 Manufacturing Energy	5.72 kgCO ₂ e	8.70%
A4 Transport to Site	0.10 kgCO ₂ e	0.15%
B3 Repair	5.98 kgCO ₂ e	9.09%
C2 Transport To Waste	0.04 kgCO ₂ e	0.07%
C3 Waste Processing	2.86 kgCO ₂ e	4.35%
C4 Waste Disposal	0.02 kgCO ₂ e	0.03%

Total A1-A4, B3, C2-C4	65.76 kgCO ₂ e
With Buffer (1.3)	85.49 kgCO ₂ e



About this product

High-performance surface-mounted fitting designed for outdoor environments where efficiency and precision matter. Features a durable coating suitable for C5 corrosion-class environments. Available with designated path-optics or area-optics distributions.
- As Whitecroft Lighting ATRA

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)
TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed
TM65 Table 4.7 & Table 4.8
TM65 Table 4.7
TM65 Table 4.14 - Light & Table 4.15

A4 Transport

B3 Repair C2 Transport to Waste C3 Waste Processing C4 Waste Disposal

Following study should be used in absence of appropriate EPD documentation

CONTACT WHITECROFT

