

Vespere Wall

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Product Information

Product Name Vespere Wall
Weight (kg) 3.2181465
Size (mm) L700 W81 H110
Service Life (Lx@Hrs) L80B50@50000hrs
Location Of Manufacture Dewsbury, UK
% Assessed by Weight 100%

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

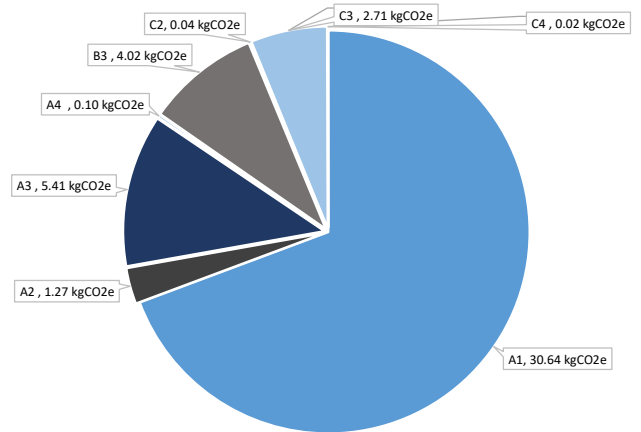
57.47 kgCO₂e



Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO ₂ e	Percentage of total
A1 Material Extraction	30.64 kgCO ₂ e	69.31%
A2 Transport to Factory	1.27 kgCO ₂ e	2.88%
A3 Manufacturing Energy	5.41 kgCO ₂ e	12.24%
A4 Transport to Site	0.10 kgCO ₂ e	0.22%
B3 Repair	4.02 kgCO ₂ e	9.09%
C2 Transport To Waste	0.04 kgCO ₂ e	0.10%
C3 Waste Processing	2.71 kgCO ₂ e	6.12%
C4 Waste Disposal	0.02 kgCO ₂ e	0.04%

Total A1-A4, B3, C2-C4	44.21 kgCO ₂ e
With Buffer (1.3)	57.47 kgCO ₂ e



About this product

Decorative linear direct/indirect wall mounted luminaire with smooth chamfered front in white or silver and opal polycarbonate diffuser. 400mm and 700mm long body options with 700mm having no visible fixings from below. Simple 'first fix' backplate for easy wiring and installation. 50/50% up/down distribution ratio to softly illuminate walls whilst efficiently delivering light to the floor and ceiling - as Whitecroft VESPERE WALL

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

