

## Accent

Date March 2023  
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Product Information	
Product Name	Accent
Weight (kg)	0.7139
Size (mm)	122x130x145mm
Service Life (Lx@Hrs)	L70@60000hrs
Location Of Manufacture	Dewsbury, England
% Assessed by Weight	100%

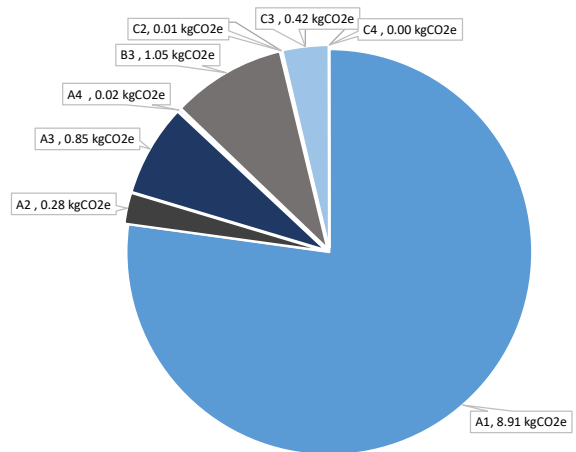
  

Total embodied carbon calculated in line with Mid Level TM65 calculation method	
15.01 kgCO <sub>2</sub> e	



### Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO <sub>2</sub> e	Percentage of total
A1 Material Extraction	8.91 kgCO <sub>2</sub> e	77.18%
A2 Transport to Factory	0.28 kgCO <sub>2</sub> e	2.45%
A3 Manufacturing Energy	0.85 kgCO <sub>2</sub> e	7.32%
A4 Transport to Site	0.02 kgCO <sub>2</sub> e	0.19%
B3 Repair	1.05 kgCO <sub>2</sub> e	9.09%
C2 Transport To Waste	0.01 kgCO <sub>2</sub> e	0.08%
C3 Waste Processing	0.42 kgCO <sub>2</sub> e	3.66%
C4 Waste Disposal	0.00 kgCO <sub>2</sub> e	0.03%
<b>Total A1-A4, B3, C2-C4</b>	<b>11.55 kgCO<sub>2</sub>e</b>	
<b>With Buffer (1.3)</b>	<b>15.01 kgCO<sub>2</sub>e</b>	



### About this product

Track mounted LED spotlight with integrated driver, fixed output or DALI dimming. Extruded aluminium body with choice of narrow, medium or wide distribution with fully adjustable swivel and tilt - as Whitcroft Lighting ACCENT.

### Assumptions

<b>A1 Material Extraction</b>	Table 2.1 default values are used from TM65 2021
<b>A2 Transport to Factory</b>	Calculated in line with TM65 Table 4.8 & Table 4.9 (HGV)
<b>A3 Energy</b>	WLL use >97% REGO backed renewable energy so assumed value equals 0kgco2/kwh This study is using Whitcroft 2022 energy values and production weight values
<b>A4 Transport</b>	Energy values as TM65 default Carbon Factors; Electricity (non REGO); Table 4.10 - UK, Gas; Table 4.11 - Global
<b>B3 Repair</b>	Approximate distance assumed to be Ashton-Under-Lyne to Northampton (227km), & Table 4.8 (HGV)
<b>C2 Transport to Waste</b>	TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed
<b>C3 Waste Processing</b>	TM65 Table 4.7 & Table 4.8
<b>C34 Waste Disposal</b>	TM65 Table 4.7
	TM65 Table 4.14 - Light & Table 4.15

Following study should be used in absence of appropriate EPD documentation

