

## TM65 Mid-Level Calculation

**ARDCSLM**

ARDEN, CEILING, SURFACE, MAINTAINED



### Product Information

Weight	1.085 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO <sub>2</sub> e	Percentage of Total	Notes
A1: Material Extraction	11.774 kgCO <sub>2</sub> e	52.22%	TM65 Assumption
A2: Transport	0.430 kgCO <sub>2</sub> e	1.91%	TM65 Assumption
A3: Manufacturing	3.081 kgCO <sub>2</sub> e	13.67%	
A4: Transport to Site	0.043 kgCO <sub>2</sub> e	0.19%	TM65 Assumption
B3: Repair	5.658 kgCO <sub>2</sub> e	25.10%	One battery replacement accounted for over 10 year product life
C2: Transport	0.014 kgCO <sub>2</sub> e	0.06%	
C3: Waste Processing	1.541 kgCO <sub>2</sub> e	6.83%	
C4: Disposal	0.005 kgCO <sub>2</sub> e	0.02%	TM65 Assumption
Total: A1-A4, B3, C2-C4	22.546 kgCO <sub>2</sub> e		
Including Buffer Factor	29.310 kgCO <sub>2</sub> e		

### Total Embodied Carbon

(TM65 Mid-Level Calculation)

**29.310**

**kg CO<sub>2</sub>e**

Calculated using CIBSE DT65 Embodied Carbon Calculator (Beta V1.3)

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