

## TM65 Mid-Level Calculation

**ARDCRDL**

ARDEN, CEILING, RECESSED, DALI  
MAINTAINED



### Product Information

Weight	1.308 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	12.489 kgCO <sub>2</sub> e	51.06%	TM65 Assumption
A2: Transport	0.518 kgCO <sub>2</sub> e	2.12%	TM65 Assumption
A3: Manufacturing	3.717 kgCO <sub>2</sub> e	15.20%	
A4: Transport to Site	0.052 kgCO <sub>2</sub> e	0.21%	TM65 Assumption
B3: Repair	5.801 kgCO <sub>2</sub> e	23.72%	One battery replacement accounted for over 10 year product life
C2: Transport	0.017 kgCO <sub>2</sub> e	0.07%	
C3: Waste Processing	1.858 kgCO <sub>2</sub> e	7.60%	
C4: Disposal	0.006 kgCO <sub>2</sub> e	0.03%	TM65 Assumption
Total: A1-A4, B3, C2-C4	24.459 kgCO <sub>2</sub> e		
Including Buffer Factor	31.797 kgCO <sub>2</sub> e		

### Total Embodied Carbon

(TM65 Mid-Level Calculation)

**31.797**

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

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

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