

## TM65 Mid-Level Calculation

### IONCRDL SINGLE SIDED

ION CEILING, RECESSED MOUNTED, DALI MAINTAINED



### Product Information

Weight	1.927 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	19.981 kgCO <sub>2</sub> e	57.31%	TM65 Assumption
A2: Transport	0.763 kgCO <sub>2</sub> e	2.19%	TM65 Assumption
A3: Manufacturing	5.474 kgCO <sub>2</sub> e	15.70%	
A4: Transport to Site	0.076 kgCO <sub>2</sub> e	0.22%	TM65 Assumption
B3: Repair	5.801 kgCO <sub>2</sub> e	16.64%	One battery replacement accounted for over 10 year product life
C2: Transport	0.025 kgCO <sub>2</sub> e	0.07%	
C3: Waste Processing	2.737 kgCO <sub>2</sub> e	7.85%	
C4: Disposal	0.009 kgCO <sub>2</sub> e	0.03%	TM65 Assumption

Total: A1-A4, B3, C2-C4	34.867 kgCO <sub>2</sub> e
Including Buffer Factor	45.328 kgCO <sub>2</sub> e

**Total Embodied Carbon**  
(TM65 Mid-Level Calculation)

**45.328**  
**kg CO<sub>2</sub>e**

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

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