

## TM65 Mid-Level Calculation

**ARDCSXT**

ARDEN, CEILING, SURFACE, SPECTO-XT  
MAINTAINED



### Product Information

Weight	1.096 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	12.418 kgCO <sub>2</sub> e	52.62%	TM65 Assumption
A2: Transport	0.434 kgCO <sub>2</sub> e	1.84%	TM65 Assumption
A3: Manufacturing	3.113 kgCO <sub>2</sub> e	13.19%	
A4: Transport to Site	0.043 kgCO <sub>2</sub> e	0.18%	TM65 Assumption
B3: Repair	6.016 kgCO <sub>2</sub> e	25.49%	One battery replacement accounted for over 10 year product life
C2: Transport	0.014 kgCO <sub>2</sub> e	0.06%	
C3: Waste Processing	1.556 kgCO <sub>2</sub> e	6.59%	
C4: Disposal	0.005 kgCO <sub>2</sub> e	0.02%	TM65 Assumption
<b>Total: A1-A4, B3, C2-C4</b>	<b>23.600 kgCO<sub>2</sub>e</b>		
<b>Including Buffer Factor</b>	<b>30.680 kgCO<sub>2</sub>e</b>		

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

**30.680**  
**kg CO<sub>2</sub>e**

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

For further information, please contact [sales@philippayne.co.uk](mailto:sales@philippayne.co.uk)