

TM65 Mid-Level Calculation

ARDCRXT

ARDEN, CEILING, RECESSED, SPECTO-XT
MAINTAINED



Product Information

Weight	1.309 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	12.892 kgCO ₂ e	51.40%	TM65 Assumption
A2: Transport	0.518 kgCO ₂ e	2.07%	TM65 Assumption
A3: Manufacturing	3.720 kgCO ₂ e	14.83%	
A4: Transport to Site	0.052 kgCO ₂ e	0.21%	TM65 Assumption
B3: Repair	6.016 kgCO ₂ e	23.99%	One battery replacement accounted for over 10 year product life
C2: Transport	0.017 kgCO ₂ e	0.07%	
C3: Waste Processing	1.860 kgCO ₂ e	7.42%	
C4: Disposal	0.006 kgCO ₂ e	0.03%	TM65 Assumption
Total: A1-A4, B3, C2-C4	25.081 kgCO₂e		
Including Buffer Factor	32.605 kgCO₂e		

Total Embodied Carbon
(TM65 Mid-Level Calculation)

32.605
kg CO₂e

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

For further information, please contact sales@philippayne.co.uk