

TM65 Mid-Level Calculation

ARDCRLM

ARDEN, CEILING, RECESSED, MAINTAINED



Product Information

Weight	1.298 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	12.248 kgCO ₂ e	50.97%	TM65 Assumption
A2: Transport	0.514 kgCO ₂ e	2.14%	TM65 Assumption
A3: Manufacturing	3.688 kgCO ₂ e	15.35%	
A4: Transport to Site	0.051 kgCO ₂ e	0.21%	TM65 Assumption
B3: Repair	5.658 kgCO ₂ e	23.55%	One battery replacement accounted for over 10 year product life
C2: Transport	0.017 kgCO ₂ e	0.07%	
C3: Waste Processing	1.844 kgCO ₂ e	7.68%	
C4: Disposal	0.006 kgCO ₂ e	0.03%	TM65 Assumption
Total: A1-A4, B3, C2-C4	24.027 kgCO₂e		
Including Buffer Factor	31.235 kgCO₂e		

Total Embodied Carbon
(TM65 Mid-Level Calculation)

31.235
kg CO₂e

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

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