

TM65 Mid-Level Calculation

ARDCSDL

ARDEN, CEILING, SURFACE, DALI
MAINTAINED



Product Information

Weight	1.095 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	12.016 kgCO ₂ e	52.29%	TM65 Assumption
A2: Transport	0.434 kgCO ₂ e	1.89%	TM65 Assumption
A3: Manufacturing	3.110 kgCO ₂ e	13.53%	
A4: Transport to Site	0.043 kgCO ₂ e	0.19%	TM65 Assumption
B3: Repair	5.801 kgCO ₂ e	25.25%	One battery replacement accounted for over 10 year product life
C2: Transport	0.014 kgCO ₂ e	0.06%	
C3: Waste Processing	1.555 kgCO ₂ e	6.77%	
C4: Disposal	0.005 kgCO ₂ e	0.02%	TM65 Assumption

Total: A1-A4, B3, C2-C4	22.978 kgCO ₂ e
Including Buffer Factor	29.872 kgCO ₂ e

Total Embodied Carbon

(TM65 Mid-Level Calculation)

29.872

kg CO₂e

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

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