

TM65 Mid-Level Calculation

OLTCSCDL

OLTON, CEILING, SURFACE, CIRCULAR,
DALI MAINTAINED



Product Information

Weight	1.389 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	18.338 kgCO ₂ e	59.75%	TM65 Assumption
A2: Transport	0.550 kgCO ₂ e	1.79%	TM65 Assumption
A3: Manufacturing	3.946 kgCO ₂ e	12.86%	
A4: Transport to Site	0.055 kgCO ₂ e	0.18%	TM65 Assumption
B3: Repair	5.801 kgCO ₂ e	18.90%	One battery replacement accounted for over 10 year product life
C2: Transport	0.018 kgCO ₂ e	0.06%	
C3: Waste Processing	1.973 kgCO ₂ e	6.43%	
C4: Disposal	0.007 kgCO ₂ e	0.02%	TM65 Assumption
Total: A1-A4, B3, C2-C4	30.689 kgCO ₂ e		
Including Buffer Factor	39.895 kgCO ₂ e		

Total Embodied Carbon

(TM65 Mid-Level Calculation)

39.895

kg CO₂e

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

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