

TM65 Mid-Level Calculation

OLTCRCR500DL

OLTON, CEILING, RECESSED, CIRCULAR,
500MM RODS, DALI MAINTAINED



Product Information

Weight	1.731 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	20.169 kgCO ₂ e	59.09%	TM65 Assumption
A2: Transport	0.686 kgCO ₂ e	2.01%	TM65 Assumption
A3: Manufacturing	4.919 kgCO ₂ e	14.41%	
A4: Transport to Site	0.069 kgCO ₂ e	0.20%	TM65 Assumption
B3: Repair	5.801 kgCO ₂ e	17.00%	One battery replacement accounted for over 10 year product life
C2: Transport	0.023 kgCO ₂ e	0.07%	
C3: Waste Processing	2.459 kgCO ₂ e	7.21%	
C4: Disposal	0.008 kgCO ₂ e	0.02%	TM65 Assumption

Total: A1-A4, B3, C2-C4	34.134 kgCO ₂ e
Including Buffer Factor	44.374 kgCO ₂ e

Total Embodied Carbon
(TM65 Mid-Level Calculation)

44.374
kg CO₂e

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

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