

TM65 Mid-Level Calculation

IONCSDL SINGLE SIDED

ION CEILING, SURFACE MOUNTED,
DALI MAINTAINED



Product Information

Weight	1.619 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	21.203 kgCO ₂ e	61.21%	TM65 Assumption
A2: Transport	0.641 kgCO ₂ e	1.85%	TM65 Assumption
A3: Manufacturing	4.599 kgCO ₂ e	13.28%	
A4: Transport to Site	0.064 kgCO ₂ e	0.19%	TM65 Assumption
B3: Repair	5.801 kgCO ₂ e	16.75%	One battery replacement accounted for over 10 year product life
C2: Transport	0.021 kgCO ₂ e	0.06%	
C3: Waste Processing	2.300 kgCO ₂ e	6.64%	
C4: Disposal	0.008 kgCO ₂ e	0.02%	TM65 Assumption
Total: A1-A4, B3, C2-C4	34.638 kgCO₂e		
Including Buffer Factor	45.029 kgCO₂e		

Total Embodied Carbon
(TM65 Mid-Level Calculation)

45.029
kg CO₂e

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

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