

TM65 Mid-Level Calculation

IONCRXT SINGLE SIDED

ION CEILING, RECESSED MOUNTED,
SPECTO-XT MAINTAINED



Product Information

Weight	1.927 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	20.711 kgCO ₂ e	58.18%	TM65 Assumption
A2: Transport	0.763 kgCO ₂ e	2.14%	TM65 Assumption
A3: Manufacturing	5.473 kgCO ₂ e	15.38%	
A4: Transport to Site	0.076 kgCO ₂ e	0.21%	TM65 Assumption
B3: Repair	5.801 kgCO ₂ e	16.30%	One battery replacement accounted for over 10 year product life
C2: Transport	0.025 kgCO ₂ e	0.07%	
C3: Waste Processing	2.737 kgCO ₂ e	7.69%	
C4: Disposal	0.009 kgCO ₂ e	0.03%	TM65 Assumption

Total: A1-A4, B3, C2-C4	35.596 kgCO ₂ e
Including Buffer Factor	46.275 kgCO ₂ e

Total Embodied Carbon

(TM65 Mid-Level Calculation)

46.275

kg CO₂e

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

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