

TM65 Mid-Level Calculation

IONCRDL SINGLE SIDED

ION CEILING, RECESSED MOUNTED,
DALI 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 | 19.981 kgCO ₂ e | 57.31% | TM65 Assumption |
| A2: Transport | 0.763 kgCO ₂ e | 2.19% | TM65 Assumption |
| A3: Manufacturing | 5.474 kgCO ₂ e | 15.70% | |
| A4: Transport to Site | 0.076 kgCO ₂ e | 0.22% | TM65 Assumption |
| B3: Repair | 5.801 kgCO ₂ e | 16.64% | 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 | 7.85% | |
| C4: Disposal | 0.009 kgCO ₂ e | 0.03% | TM65 Assumption |
| Total: A1-A4, B3, C2-C4 | 34.867 kgCO ₂ e | | |
| Including Buffer Factor | 45.328 kgCO ₂ e | | |

Total Embodied Carbon

(TM65 Mid-Level Calculation)

45.328

kg CO₂e

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

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