

Embodied Carbon Calculator: Basic Report

(CIBSE TM65 Digital Tool)



Embodied Carbon Calculation Results

| | |
|--------------------|--------------------|
| Date of assessment | 2/2/2024 |
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Basic report for Vega BA Walk-On LWOPA50-54WE as manufactured by LEDspan

| Product information | |
|--|---------------------------------------|
| Type of product | Luminaires |
| Capacity of equipment/size (kW; m ³ ; litre; etc.) | 0.054 kW |
| Product weight (kg) | 13.84 kg |
| Material % breakdown for at least 95% of the product weight? (Y/N) | Y |
| Product service life (years) | 30 Years |
| If refrigerant based, type of refrigerant used and GWP | No refrigerant, 0 kgCO ₂ e |
| Refrigerant charge (kg) | 0.00 kg |
| Product complexity category | Category 2 |

| Embodied carbon results (kg CO ₂ e) – without refrigerant leakage | |
|--|-------------------------|
| A1: Material extraction (original product) | 84 kgCO ₂ e |
| A1: Material extraction (components that are replaced in A1-A4, B3, C2-C4: Total embodied carbon with scale-up and buffer factor (excluding refrigerant leakage) | 1 kgCO ₂ e |
| | 154 kgCO ₂ e |

| Embodied carbon result (kg CO ₂ e) – refrigerant leakage only | |
|---|-----------------------|
| B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life) | 0 kgCO ₂ e |

| Embodied carbon result with 'basic' calculation method (kg CO ₂ e) – total | |
|---|-------------------------|
| Result of 'basic' calculation method | 154 kgCO ₂ e |

| LEDspan Product Life-Cycle Study (C1-C4) | |
|--|-----|
| Percentage of Recyclable material | 96% |

This report was generated using the CIBSE TM65 Manufactures form 'beta' version V1.3.

Figures are calculated for an emergency fitting and may not include accessories or derivatives.