Embodied Carbon Calculator: Basic Report

(CIBSE TM65 Digital Tool)

Embodied Carbon Calculation Results

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Basic report for Vega Top Access Walk-on LWOTA50-54WE 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)	13.26 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 kgCO2e
Refrigerant charge (kg)	0.00 kg
Product complexity category	Category 2

	Embodied carbon results (kg CO_2e) – without refrigerant leakage
A1: Material extraction (original product)	79 kgCO2e
A1: Material extraction (components that are replaced in B3	2 kgCO2e
A1-A4, B3, C2-C4: Total embodied carbon with scale-up and buffer factor (excluding refrigerant leakage)	147 kgCO2e

	Embodied carbon result (kg CO_2e) – refrigerant leakage only
B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life)	0 kgCO2e

Embodied carbon result with 'basic' calculation method (kg CO2e) – total		
Result of 'basic' calculation method	147 kgCO2e	

LEDspan Product Life-Cycle Study (C1-C4)

Percentage of Recyclable material	99.84%

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

Figures are calculated for a basic version of an emergency fitting and may not include accessories or derivatives.