



TM65.2 Embodied Carbon Declaration

Document No: CLEV-TM65.2- LLIFE-SM-WP-D2-BLK

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Basic report for LLIFE-SM-WP-D2-BLK as manufactured by Clevertronics

Basic calculation		Notes/source
Date of assessment	05/06/26	Form "dd/mm/yy"
Name of assessor and assessor organisation	Self Assessment	
Contact email address of assessor	m.beattie@clevertronics.com.au	

Product information		
Type of product	Luminaires	
Capacity of equipment/size (kW; m ³ ; litre; etc.)	kW	
Product weight (kg)	0.74 kg	
Material % breakdown for at least 95% of the product weight? (Y/N)	Y	
Product service life (years)	12 Years	
If refrigerant based, type of refrigerant used and GWP	#N/A	
Refrigerant charge (kg)	0.00 kg	
Product complexity category	Category 2	See CIBSE TM65 Table 4.3

Embodied carbon results (kg CO ₂ e) – without refrigerant leakage		
A1: Material extraction (original product)	20 kgCO ₂ e	
A1: Material extraction (components that are replaced)	2 kgCO ₂ e	
A1-A4, B3, C2-C4: Total embodied carbon with scale-up and buffer factor (excluding refrigerant leakage)	40 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	#N/A

Embodied carbon result with 'basic' calculation method (kg CO ₂ e) – total		
Result of 'basic' calculation method	40 kgCO ₂ e	

Note: Some values appear as 0 due to rounding in TM65 calculator presentation, however the actual values are included when calculating totals

Matthew Beattie

Head of Product and Innovation

