

## Exit LED

Date: January 2023  
Prepared By: I Jakubczyk

Product Information	
Product Name	Exit LED
Weight (kg)	1.43
Size (mm)	385mm x71mm
Service Life (Lx@Hrs)	10 years (not including battery)
Location Of Manufacture	China
% Assessed by Weight	100%

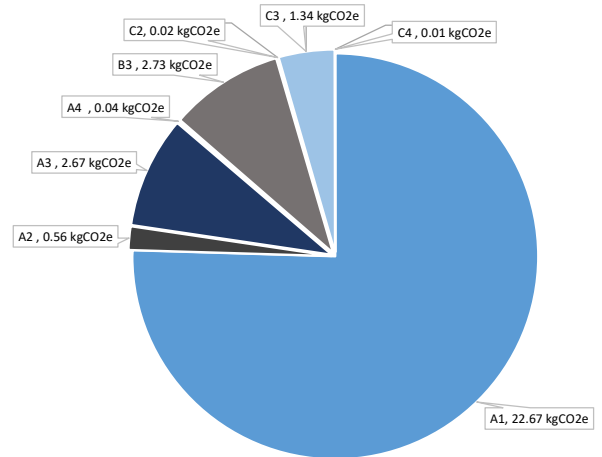
  

Total embodied carbon calculated in line with Mid Level TM65 calculation method	
39.05 kgCO <sub>2</sub> e	



### Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO <sub>2</sub> e	Percentage of total
A1 Material Extraction	22.67 kgCO <sub>2</sub> e	75.47%
A2 Transport to Factory	0.56 kgCO <sub>2</sub> e	1.88%
A3 Manufacturing Energy	2.67 kgCO <sub>2</sub> e	8.89%
A4 Transport to Site	0.04 kgCO <sub>2</sub> e	0.14%
B3 Repair	2.73 kgCO <sub>2</sub> e	9.09%
C2 Transport To Waste	0.02 kgCO <sub>2</sub> e	0.06%
C3 Waste Processing	1.34 kgCO <sub>2</sub> e	4.45%
C4 Waste Disposal	0.01 kgCO <sub>2</sub> e	0.02%
<b>Total A1-A4, B3, C2-C4</b>	<b>30.04 kgCO<sub>2</sub>e</b>	
<b>With Buffer (1.3)</b>	<b>39.05 kgCO<sub>2</sub>e</b>	



#### About this product

3W LED IP20, 3 hour self-contained maintained emergency exit sign with rigid white powder coated steel body and opal polycarbonate legend. High temperature Ni-Cd battery with constant current charger and LED charge indicator - as Whitecroft Lighting EXIT LED

#### Assumptions

<b>A1 Material Extraction</b>	Table 2.1 default values are used from TM65 2021
<b>A2 Transport to Factory</b>	Calculated in line with TM65 Table 4.8 & Table 4.9 (HGV)
<b>A3 Energy</b>	Electricity grid figures based on Country Specific Electricity Factors: June 2021 v1.1 ( <a href="https://www.carbonfootprint.com/international_electricity_factors.html">https://www.carbonfootprint.com/international_electricity_factors.html</a> ) - Chinese grid factor
<b>A4 Transport</b>	Approximate distance assumed to be Ashton-Under-Lyne to Northampton (227km), & Table 4.8 (HGV)
<b>B3 Repair</b>	TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed
<b>C2 Transport to Waste</b>	TM65 Table 4.7 & Table 4.8
<b>C3 Waste Processing</b>	TM65 Table 4.7
<b>C4 Waste Disposal</b>	TM65 Table 4.14 - Light & Table 4.15

Following study should be used in absence of appropriate EPD documentation

CONTACT WHITECROFT

