

Concert EX65

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Prepared By: I Jakubczyk

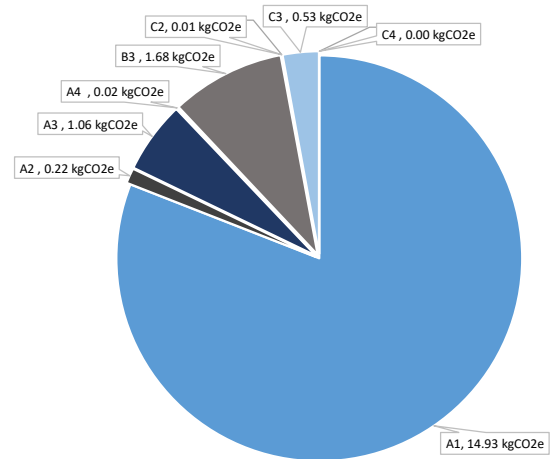
Product Information	
Product Name	Concert EX65
Weight (kg)	0.565
Size (mm)	350mm x 120mm x 65mm
Service Life (Lx@Hrs)	70000 hours
Location Of Manufacture	China
% Assessed by Weight	99%

Total embodied carbon calculated in line with Mid Level TM65 calculation method	
23.97 kgCO ₂ e	



Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO ₂ e	Percentage of total
A1 Material Extraction	14.93 kgCO ₂ e	80.94%
A2 Transport to Factory	0.22 kgCO ₂ e	1.21%
A3 Manufacturing Energy	1.06 kgCO ₂ e	5.74%
A4 Transport to Site	0.02 kgCO ₂ e	0.09%
B3 Repair	1.68 kgCO ₂ e	9.09%
C2 Transport To Waste	0.01 kgCO ₂ e	0.04%
C3 Waste Processing	0.53 kgCO ₂ e	2.87%
C4 Waste Disposal	0.00 kgCO ₂ e	0.01%
Total A1-A4, B3, C2-C4	18.44 kgCO₂e	
With Buffer (1.3)	23.97 kgCO₂e	



[About this product](#)

Surface IP65 Emergency LED bulkhead complete with polycarbonate TP(a) fresnal lens. 3hr maintained or non maintained

Assumptions

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

Following study should be used in absence of appropriate EPD documentation

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