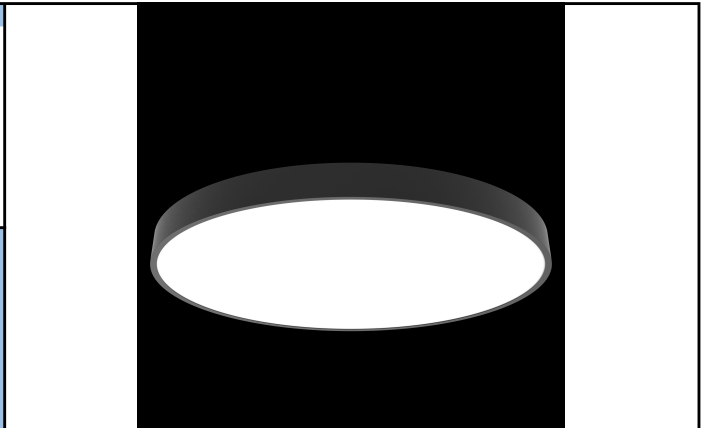


Oculus 800mm

Date: April 2026
Prepared By: Sandhra Mili Lal

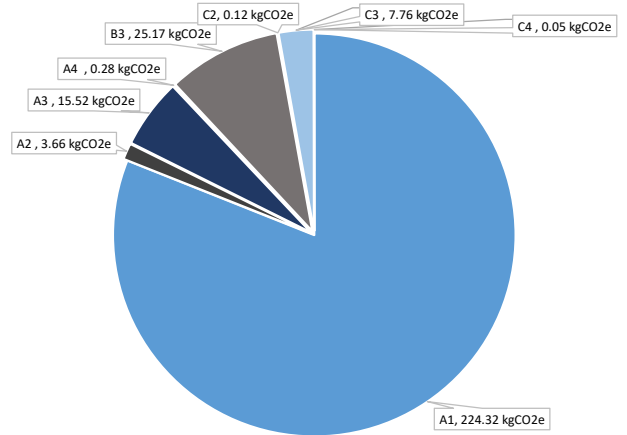
Product Information	
Product Name	Oculus 800mm
Weight (kg)	9.23
Size (mm)	Ø800 H96
Service Life (Lx@Hrs)	L90B50@50,000 hrs
Location Of Manufacture	Whitecroft Lighting
% Assessed by Weight	100%

Total embodied carbon calculated in line with Mid Level TM65 calculation method	
359.94 kgCO2e	



Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO2e	Percentage of total
A1 Material Extraction	224.32 kgCO2e	81.02%
A2 Transport to Factory	3.66 kgCO2e	1.32%
A3 Manufacturing Energy	15.52 kgCO2e	5.61%
A4 Transport to Site	0.28 kgCO2e	0.10%
B3 Repair	25.17 kgCO2e	9.09%
C2 Transport To Waste	0.12 kgCO2e	0.04%
C3 Waste Processing	7.76 kgCO2e	2.80%
C4 Waste Disposal	0.05 kgCO2e	0.02%
Total A1-A4, B3, C2-C4	276.88 kgCO2e	
With Buffer (1.3)	359.94 kgCO2e	



About this product

OCULUS - 800mm diameter suspended, surface or wall mounted circular luminaire. Constructed with a recycled aluminium body, featuring a prismatic diffuser to deliver compliance to LG7 in Workspace environments.

Assumptions

A1 Material Extraction	Table 2.1 default values are used from TM65 2021. Aluminium data point as per supplier EPD
A2 Transport to Factory	Calculated in line with TM65 Table 4.8 & Table 4.9 (HGV)
A3 Energy	WLL use >97% REGO backed renewable energy so assumed value equals 0kgco2/kwh This study is using 2023 energy values and production weight values
A4 Transport	Energy values as TM65 default Carbon Factors; Electricity (non REGO): Table 4.10 - UK, Gas: Table 4.11 - Global
B3 Repair	Approximate distance assumed to be Ashton-Under-Lyne to Northampton (227km), & Table 4.8 (HGV)
C2 Transport to Waste	TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed
C3 Waste Processing	TM65 Table 4.7 & Table 4.8
C4 Waste Disposal	TM65 Table 4.7
	TM65 Table 4.14 - Light & Table 4.15

Following study should be used in absence of appropriate EPD documentation

