



# STOANE LIGHTING

EQUIPMENT DESIGN + MANUFACTURE

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## TM65 Calculation : Luminaire

### MODULE STAR\_Oslon

CIBSE TM65 Embodied Carbon Mid-level Calculation

#### Embodied Carbon Results Breakdown (kg CO<sub>2</sub>e)

A1: Material Extraction	0.5111
A2: Transport	0.0147
A3: Manufacturing	0.1973
A4: Transport to Site	0.0073
B3: Repair	0.1624
C2: Transport	0.0005
C3: Waste Processing	0.0986
C4: Disposal	0.0002

#### Embodied Carbon Results (kg CO<sub>2</sub>e)

A1-C4	0.99
A1-C4 with Buffer Factor	1.29

#### Assumptions

A1: Material carbon coefficient source	TM65, Table 2.1
C4 Percentage of product going to landfill(%)	55-TM65 Table 4.14

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This report was generated using the CIBSE TM65 Manufacturers form 'beta' version. Released in June 2021.

Stoane Lighting are a UK based company.

Files are generated for a 'standard' version of the fitting and may not include calculations for accessories or derivatives.

Only if LED drivers or Power supplies are integral will they be included in the calculation.

Repair embodied carbon is calculated based on light source and control gear replacement once in the 25 year product life

For more information please contact us via our website shown below.



This report was produced using the CIBSE Tool  
Embodied Carbon of MEP Products - June 2021

[www.stoanelighting.com](http://www.stoanelighting.com)