

## TM65 Mid-Level Calculation

### EXTUBE ROOT

1137mm - Root Mount - DALI Maintained  
Emergency



### Product Information

Weight	11.064 kg
Service Life	10 Years
Location of Manufacture	Redditch

Life Cycle Stage	kg CO <sub>2</sub> e	Percentage of Total	Notes
A1: Material Extraction	71.604 kgCO <sub>2</sub> e	68.83%	TM65 Assumption
A2: Transport	4.381 kgCO <sub>2</sub> e	4.21%	TM65 Assumption
A3: Manufacturing	11.739 kgCO <sub>2</sub> e	11.28%	
A4: Transport to Site	0.438 kgCO <sub>2</sub> e	0.42%	TM65 Assumption
B3: Repair	9.801 kgCO <sub>2</sub> e	9.42%	One battery replacement accounted for over 10 year product life
C2: Transport	0.146 kgCO <sub>2</sub> e	0.14%	
C3: Waste Processing	5.870 kgCO <sub>2</sub> e	5.64%	
C4: Disposal	0.054 kgCO <sub>2</sub> e	0.05%	TM65 Assumption

Total: A1-A4, B3, C2-C4	104.034 kgCO <sub>2</sub> e
Including Buffer Factor	135.244 kgCO <sub>2</sub> e

**Total Embodied Carbon**  
(TM65 Mid-Level Calculation)

**135.244**  
**kg CO<sub>2</sub>e**

Calculated using CIBSE DT65 Embodied Carbon Calculator (Beta V1.3)

For further information, please contact [sales@philippayne.co.uk](mailto:sales@philippayne.co.uk)