

html

# Carbon Footprint Dashboard for lypgijrxdm

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**Total PCF: 33.50 kgCO<sub>2</sub>e**

## Key Metrics

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**33.50**

Total Product Carbon Footprint (kgCO<sub>2</sub>e)

**7.28**

Carbon Intensity (kgCO<sub>2</sub>e/kg)

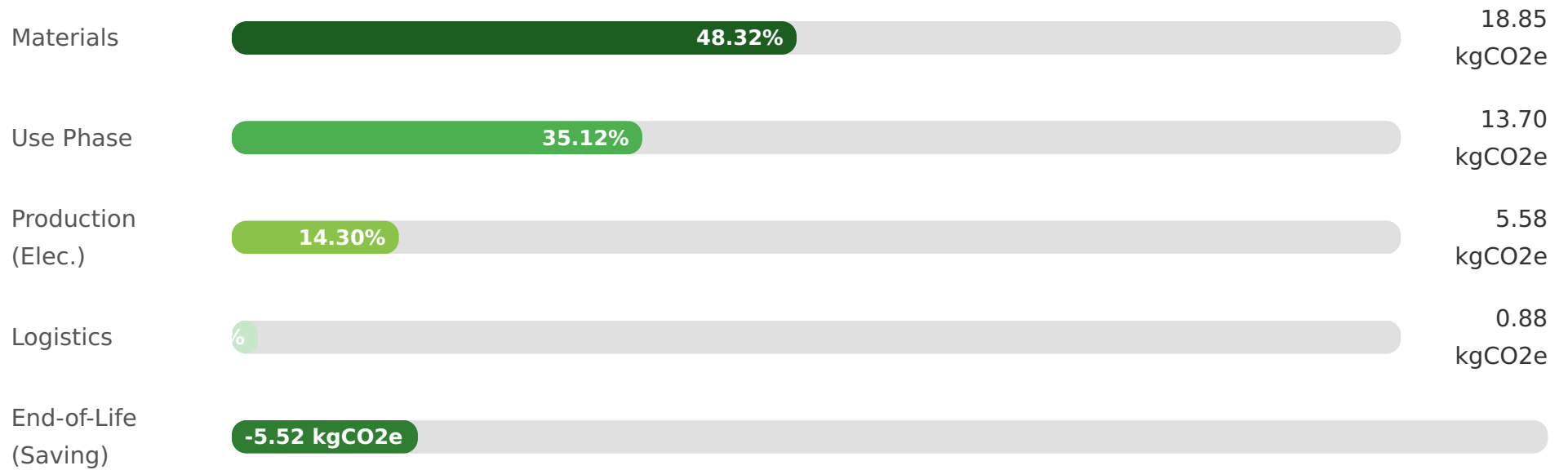
**Aluminum Heat Sink**

Top Material Hotspot

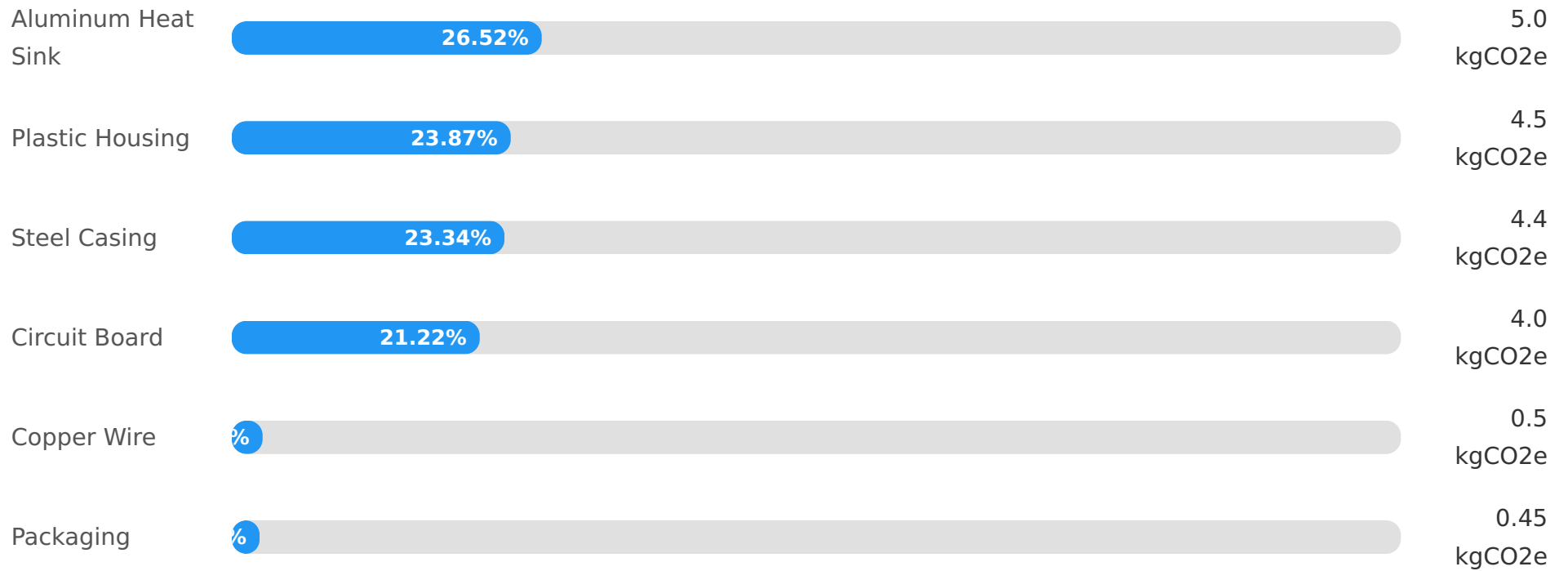
**Scope 3**

Primary Emission Scope

## Lifecycle Stage Breakdown



## Material Impact Breakdown



## Key Highlights

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- **Materials Dominate:** Purchased Goods and Services account for the largest portion (18.85 kgCO<sub>2</sub>e), emphasizing the need for sustainable sourcing.
- **Significant Use Phase:** Energy consumption during the product's 3-year lifespan contributes substantially (13.70 kgCO<sub>2</sub>e).
- **Circular Economy Benefit:** High recyclability (60%) leads to a net carbon saving of -5.52 kgCO<sub>2</sub>e in the End-of-Life phase.

## Strategic Action Plan

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- ✓ **Material Decarbonization:** Prioritize lower-carbon alternatives, optimize usage, and increase recycled content in product design.
- ✓ **Energy Efficiency in Use:** Enhance product energy efficiency and promote renewable energy adoption for end-users.
- ✓ **Manufacturing Optimization:** Increase renewable energy usage (beyond 40%) in production and refine processes for lower energy intensity.
- ✓ **Circular Economy Advancement:** Expand take-back programs and optimize design for better recyclability and refurbishment.