

Product Carbon Footprint Report

Continuing Our Journey Towards a Greener Future

LG Electronics uses PAIA to create carbon transparency at product level that helps to reduce our impact on the environment. PAIA is a streamlined Life-Cycle Assessment (LCA) tool developed by MIT's Materials System Laboratory that assists in assessing key product attributes correlated to specific activities in order to calculate its product carbon footprint. Our strategic approach include full value chain emissions, which incorporate carbon emissions due to raw materials extraction, manufacturing, distribution, use, and product end-of-use. This data empowers us to continuously improve our efforts to reduce the environmental impact of our product.

* All estimates of carbon footprint are uncertain. LG Electronic Inc. reports the 95th percentile of the carbon footprint estimate to reflect that uncertainty.
* For this product, that estimate has a mean of 362.17kg of CO2-e and standard deviation of 126.37kg of CO2-e. Other organizations might report this value as 362.17 +/- 126.37kg of CO2-e.

27CQ650

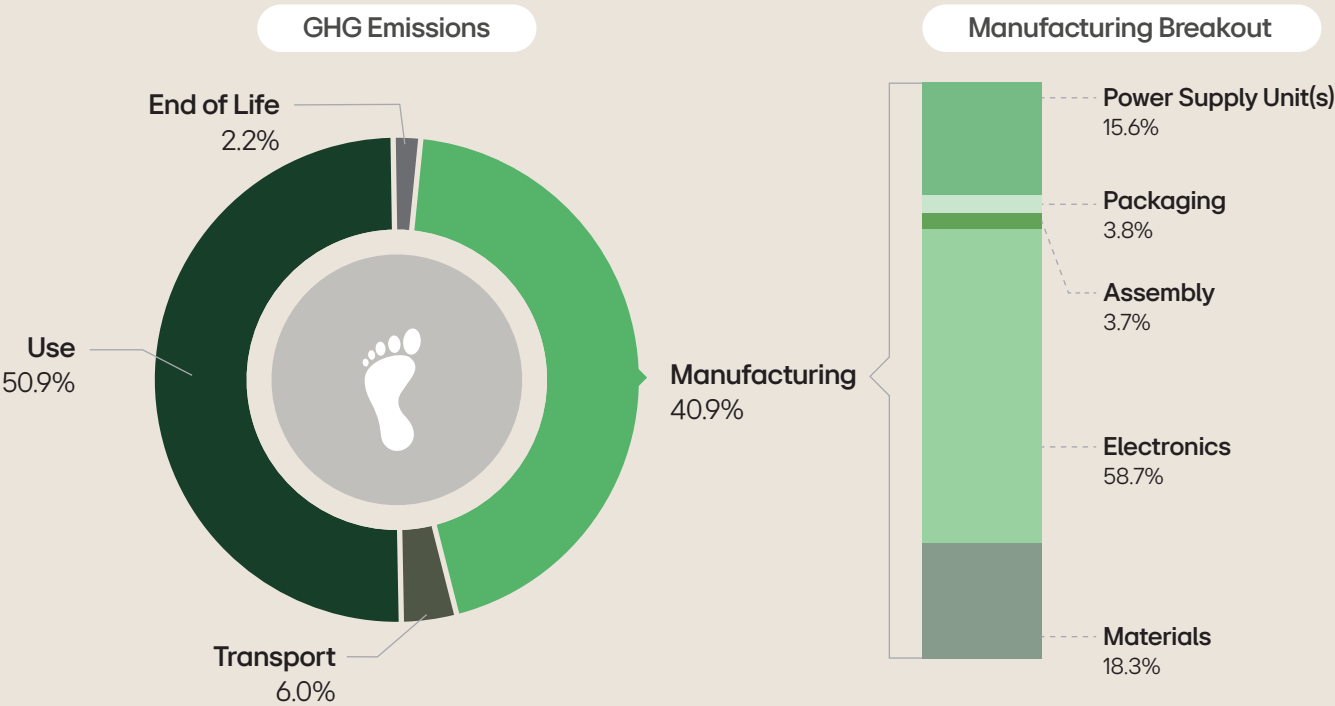
LG All-in-One Thin Client

27-inch Full HD IPS Display

95th percentile

735 kgCO2e

Estimated impact by lifecycle stage



Assumptions for calculating product carbon footprint

Product Weight	7.80 kg	Final Assembly Location	China
Dimension (l x w x h)	24.00 x 62.20 x 40.20 cm	Use Location	Europe
Product Lifetime	5 years	Yearly TEC	73.90 kWh

* This PCF was calculated using the PAIA model, version 1.5.2, Sep 22nd, 2025, copyright by the ICT Benchmarking collaboration, which includes the Massachusetts Institute of Technology's Materials Systems Laboratory and partners. Carbon footprint calculated according to IPCC 2021 GWP100. Results shown here are subject to change as the tool is updated.

