



Product Carbon Footprint

Samsung has recently performed the carbon footprint of products to better understand potential environmental impacts may caused from the product through its whole life cycle including ; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. The assessment has been completed in accordance with ISO 14067 - Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification.

Product category	Monitor
Model name	LS49A950UIPXEN
Product features	⦿ Screen Size : 49 Inch
	⦿ Net Weight : 20.1 kg
Life time	4 years
Amount of electricity consumed in the use phase	45 W
Carbon footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO ₂ e/f.u)
Pre manufacturing	433,4
Product Manufacturing	0,4
Distribution	4,8
Use	215,2
Disposal	5,5
Total	659,3

※ Usage Scenario : 40% on mode, 5% sleep mode, 55% off mode, 4 years

※ Electricity Carbon Emission Factor : European Union (IEA2022)

※ CO₂ Emission results may vary from region and time of evaluation.

SAMSUNG Electronics

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea