



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 - Grennhouse gases - Carbon footprint of products - Requirements and guidelines for quantification.

Product category	Smart Signage Display
Model name	LH43QBCEBGXEN
Product features	⊙ Screen Size : 43 Inch
	⊙ Net Weight : 11.3 kg
Life time	5 years
Amount of electricity consumed in the use phase	74 W
Cabron footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO2e/f.u)
Pre manufacturing	260.4
Product Manufacturing	1.8
Distribution	9.1
Use	631.4
Disposal	3.1
Total	905.9

※ Usage Scenario : 16hours On mode, 8hours Standby, 5 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



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Product category	Smart Signage Display
Model name	LH50QBCEBGXEN
Product features	⊙ Screen Size : 50 Inch
	⊙ Net Weight : 14.9 kg
Life time	5 years
Amount of electricity consumed in the use phase	82 W
Cabron footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO2e/f.u)
Pre manufacturing	331.1
Product Manufacturing	1.8
Distribution	12.8
Use	699.4
Disposal	4.3
Total	1049.5

※ Usage Scenario : 16hours On mode, 8hours Standby, 5 years

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Product category	Smart Signage Display
Model name	LH55QBCEBGXEN
Product features	⊙ Screen Size : 55 Inch
	⊙ Net Weight : 19.9 kg
Life time	5 years
Amount of electricity consumed in the use phase	85 W
Cabron footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO2e/f.u)
Pre manufacturing	375.1
Product Manufacturing	1.8
Distribution	15.8
Use	724.9
Disposal	5.1
Total	1122.7

※ Usage Scenario : 16hours On mode, 8hours Standby, 5 years

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Product category	Smart Signage Display
Model name	LH65QBCEBGXEN
Product features	⊙ Screen Size : 65 Inch
	⊙ Net Weight : 28.0 kg
Life time	5 years
Amount of electricity consumed in the use phase	104 W
Cabron footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO2e/f.u)
Pre manufacturing	484.4
Product Manufacturing	1.8
Distribution	22.3
Use	886.5
Disposal	6.8
Total	1401.9

※ Usage Scenario : 16hours On mode, 8hours Standby, 5 years

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Product category	Smart Signage Display
Model name	LH75QBCEBGXEN
Product features	⊙ Screen Size : 75 Inch
	⊙ Net Weight : 43.5 kg
Life time	5 years
Amount of electricity consumed in the use phase	129 W
Cabron footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO2e/f.u)
Pre manufacturing	634.0
Product Manufacturing	1.8
Distribution	33.1
Use	1099.1
Disposal	9.8
Total	1777.8

※ Usage Scenario : 16hours On mode, 8hours Standby, 5 years

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Product category	Smart Signage Display
Model name	LH85QBCEBGXEN
Product features	⊙ Screen Size : 85 Inch
	⊙ Net Weight : 53.9 kg
Life time	5 years
Amount of electricity consumed in the use phase	159 W
Cabron footprint Evaluation Methodology	ISO 14067

Carbon footprint Results

Product Phase	Emissions per f.u (kg CO2e/f.u)
Pre manufacturing	765.6
Product Manufacturing	1.8
Distribution	49.5
Use	1354.2
Disposal	14.2
Total	2185.3

※ Usage Scenario : 16hours On mode, 8hours Standby, 5 years

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