

Product Environmental Profile

Sanus Height-Adjustable Speaker Stand



LEGRAND'S ENVIRONMENTAL COMMITMENTS

- Incorporate environmental management into our industrial sites
Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).
 - Offer our customers environmentally friendly solutions
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.
 - Involve the environment in product design and provide information in compliance with ISO 14025
Reduce the environmental impact of products over their whole life cycle.
Provide our customers with all relevant information (composition, consumption, end of life, etc.).
- For more information on Legrand's PEPs and other sustainability initiatives, visit www.legrand.us/about-us/csr/circular-economy



REFERENCE PRODUCT

Function	Adjustable stand to elevate and support speakers between heights of 25" – 42" for 20 years
Reference Product	
	Part Number: WSSE3A1
	Height-Adjustable Speaker Stand

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.



PRODUCTS CONCERNED

The environmental data is representative of the following products:

WSSE3A1, WSSE31

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■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

Total weight of Reference Product		6.73kg			
Plastics as % of weight		Metals as % of weight		Others as % of weight	
Product only: 6.10 kg					
ABS	1.9%	Steel	87.2%		
Polyamide	1.5%				
Packaging only: 0.63 kg					
				Cardboard	9.4%
				Paper	<0.01%
Total plastics	3.4%	Total metals	87.2%	Total others	9.4%

Recycled material content: 0% by weight of Reference Product

- Product only: 0%
- Packaging only: 0%



■ MANUFACTURING

This Reference Product comes from sites that observe the applicable legislation for industrial sites.



■ DISTRIBUTION

Products are distributed from logistics centers located to optimize transport efficiency using EPA SmartWay® certified carriers to reduce greenhouse gases emissions. Information on the distance of distribution is not available so the PCR hypothesis for "Intracontinental transport", 2175 miles (3500 km) by heavy truck, was used. This represents transportation of the Reference Product from our warehouse to the local point of distribution in the North American market.



■ INSTALLATION

For the installation of the product, only standard tools are needed.



■ USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.

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END OF LIFE

The product end of life is taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or failing that, another form of reuse.



ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end of life. It is representative of products marketed and used in North America.

For each stage, the following modelling elements were taken into account at each life cycle stage (and module):

System Boundary	Manufacturing (A1-A3)	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing. Electricity data from a proxy site was used as primary data was not available. Data sets representative of the manufacturing location were used.
	Distribution (A4)	Transport between the last distribution center and an average delivery point in the sales area.
	Installation (A5)	The end of life of the packaging.
	Use (B1-B7)	Use scenario: No energy consumption during 20-year working life. This modelling duration does not constitute a minimum durability requirement.
	End of life (C1-C4)	The default end of life scenario modelled maximizes the environmental impact using the PCR hypothesis for "Local transport": 621 miles (1000 km) by heavy truck and landfilling.
Benefits & Loads (Module D)		Module D was not considered in this study.
Software and data-base used		EIME V6 and its CODDE-2023-02 database
Geographical Representation		Geographic data quality is considered good. However, priority was given to technological relevance and accuracy in selecting secondary data. This often led to the substitution of regional and/or global data for country-specific data.
Technological Representation		Technological coverage of the datasets is considered good relative to the actual supply chain of the manufacturer.

For each stage, the energy mix modelled is based on default information integrated in the data modules used from the aforementioned database unless otherwise indicated.

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ENVIRONMENTAL IMPACTS

Environmental Impact Indicators		Total Life Cycle Impacts		Manufacturing	Distribution	Installation	Use	End of Life
				A1-A3	A4	A5	B1-B7	C1-C4
Climate change - total	GWP	4.33E+01	kg CO2 eq.	3.38E+01	3.26E+00	1.38E+00	0.00E+00	4.83E+00
Climate change - biogenics	GWPb	1.11E-01	kg CO2 eq.	-8.29E-01	0.00E+00	9.40E-01	0.00E+00	6.28E-06
Climate change – fossil fuels	GWPf	4.32E+01	kg CO2 eq.	3.46E+01	3.26E+00	4.43E-01	0.00E+00	4.83E+00
Climate change - land use and land use transformation	GWPlu	0.00E+00	kg CO2 eq.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ozone depletion	ODP	3.85E-07	kg CFC-11 eq.	2.34E-07	4.96E-09	1.22E-07	0.00E+00	2.49E-08
Acidification	AP	2.37E-01	mol H+ eq.	1.93E-01	2.10E-02	4.48E-03	0.00E+00	1.80E-02
Eutrophication, freshwater	Epf	6.98E-05	kg P eq.	6.00E-05	1.21E-06	1.61E-06	0.00E+00	6.92E-06
Eutrophication, marine aquatic	Epm	5.66E-02	kg N eq.	4.11E-02	9.84E-03	9.45E-04	0.00E+00	4.73E-03
Eutrophication, terrestrial	Ept	6.03E-01	mol N eq.	4.35E-01	1.08E-01	8.23E-03	0.00E+00	5.11E-02
Photochemical ozone formation	POCP	1.79E-01	kg NMVOC eq.	1.33E-01	2.78E-02	2.47E-03	0.00E+00	1.60E-02
Abiotic resource depletion – fossil fuels	ADPf	7.03E+02	MJ	3.01E+02	4.51E+01	7.37E+00	0.00E+00	3.49E+02
Abiotic resource depletion – elements	ADPe	-4.15E-05	kg SB eq.	1.07E-06	1.27E-07	1.98E-07	0.00E+00	-4.29E-05
Water use	WU	1.05E+01	m3 eq.	7.58E+00	1.23E-02	9.23E-01	0.00E+00	1.98E+00

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

The environmental impact of the Reference Product is most significant during the Manufacturing stage.

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Inventory Flow Indicators		Total Life Cycle Impacts		Manufacturing	Distribution	Installation	Use	End of Life
				A1-A3	A4	A5	B1-B7	C1-C4
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	ERP	1.57E+01	MJ	1.92E+00	6.02E-02	1.37E+01	0.00E+00	6.63E-03
Use of renewable primary energy resources used as raw materials	ERM	1.73E+00	MJ	1.73E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of renewable primary energy resources	ER	1.74E+01	MJ	3.65E+00	6.02E-02	1.37E+01	0.00E+00	6.63E-03
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	ENRP	6.94E+02	MJ	2.92E+02	4.51E+01	7.37E+00	0.00E+00	3.49E+02
Use of non-renewable primary energy resources used as raw materials	ENRM	9.06E+00	MJ	9.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources	ENR	7.03E+02	MJ	3.01E+02	4.51E+01	7.37E+00	0.00E+00	3.49E+02
Use of secondary materials	USM	5.33E-01	kg	5.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	URSF	0.00E+00	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	UNRSF	0.00E+00	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	NUFW	2.44E-01	m3	1.77E-01	2.86E-04	2.15E-02	0.00E+00	4.61E-02
Hazardous waste disposed	HWD	-5.29E-01	kg	2.26E-01	0.00E+00	9.66E-05	0.00E+00	-7.56E-01
Non-hazardous waste disposed	NHWD	8.58E+00	kg	7.26E+00	1.14E-01	2.14E-01	0.00E+00	9.88E-01
Radioactive waste disposed	RWD	1.34E-03	kg	8.24E-04	8.09E-05	2.13E-06	0.00E+00	4.31E-04
Components for re-use	CRU	0.00E+00	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported Energy	EE	3.47E-04	MJ	1.37E-04	0.00E+00	2.10E-04	0.00E+00	0.00E+00
Materials for energy recovery	MER	0.00E+00	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	MRE	2.13E+00	kg	0.00E+00	0.00E+00	4.63E-01	0.00E+00	1.67E+00
Biogenic carbon content of the product	BCpdt	0.00E+00	kg C	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	BCpkg	2.74E-01	kg C	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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For products other than the reference product, the environmental impacts are in proportion to the total mass.

Registration number: LGRP-02076-V01.01-EN	Drafting rules: "PEP-PCR-ed4-EN-2021 09 06"
Verifier accreditation number: VH43	Information and reference documents: www.pep-ecopassport.org
Date of issue: 12-2024	Validity period: 5 years
Independent verification of the declaration and data in compliance with ISO 14025:2006	
Internal ☒ External ☐	
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)	
PEP compliant with XP C08-100-1:2016 or EN 50693:2019	
The content of this PEP cannot be compared with content from any other program.	
PEP compliant with ISO 14025:2006: "Environmental labels and declarations - Type III environmental declarations"	



LCA compliant with ISO 14040:2006: "Environmental management – LCA – Principles and framework"
LCA compliant with ISO 14044:2006: "Environmental management – LCA – Requirements and guidelines"
Environmental data in alignment with EN 15804:2012 + A2:2019: "Sustainability of construction works - EPD's - Core rules for the product category of construction products"