Legrand North and Central America
60 Woodlawn Street
West Hartford, CT 06110

1.877.BY.LEGRAND (295.3472)
www.legrand.us

Product Environmental Profile

Wiremold 10-Gang RFBA Series Floorboxes

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 informations 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	Connect a workstation remote from the wall to the energy and communication networks for 20 years, via both power (duplex, simplex and locking receptacles) and data/communication/A/V accessories (TracJack, Series II, Keystone, Lucent, Extron, etc.)
Reference Product	
	Part Number: RFBA10C55
	RFBA 10-Gang Round Floor Box, 6.25" Depth

PRODUCTS CONCERNED

The environmental data is representative of the following products:

-RFBA10C55, RFBA10C55OG
-RFBA10R55, RFBA10R55OG

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PEP ecopassport®

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.

12.63	kg

Plastics as % of weight		Metals as % of weight		Others as % of weight	
Product only: 9.9 kg					
PS	2.4 %	Steel	75.2 %	Glass Fibers (Plastic Additive)	0.5 %
		Copper & Copper Alloys	0.1 %		
Packaging only: 2.5 kg					
PE	0.1 %			Cardboard	16.2 %
				Wood	5.4 %
				Paper	0.2 %
Total plastics	2.5 %	Total metals	75.3 %	Total others	22.2 %

Recycled material content: 25.4 % by weight of Reference Product

- Product only : 24.8 %
- Packaging only: 0.6 %

MANUFACTURING

This Reference Product comes from sites that have recieved ISO14001 certification.

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.

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.

• Elements to process specifically:
The following may be subject to specific treatments in appropriate channels to reduce the environmental impact of the end of product life:
- waste list WEEE
- hazardous waste list*

(*) Hazardous waste as defined by European Commission decision 2000/532/EU.

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.
	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)	• Product category: Non-equipped Service Poles, Service Posts, Multi-Outlet Extensions amd Floor Boxes. • Use scenario: No energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durability requirement. • Energy model: Electricity Mix (U.S) - 2018
	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 is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and loads beyond the bounadaries of the system, and are not to be included in the life cycle totals.
Software and database used		EIME V6 and its CODDE-2023-02 database

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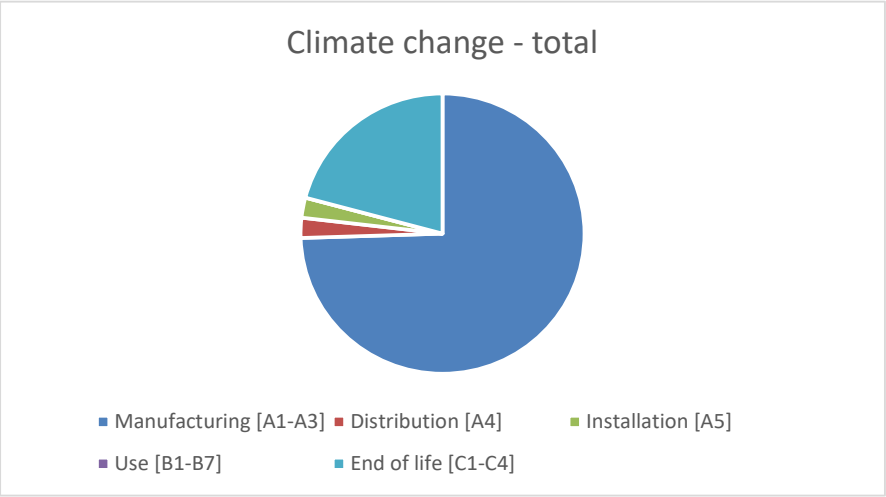
ENVIRONMENTAL IMPACTS

Environmental Impact Indicators		Total Life Cycle Impacts		Manufacturing	Distribution	Installation	Use	End of Life	Benefits & Loads
				A1-A3	A4	A5	B1-B7	C1-C4	Module D
Climate change - total	GWP	9.75E+01	kg CO2 eq.	7.17E+01	2.23E+00	3.46E+00	0.00E+00	2.01E+01	-3.19E+01
Climate change - fossil fuels	GWPf	9.31E+01	kg CO2 eq.	7.06E+01	2.23E+00	2.39E-01	0.00E+00	2.01E+01	-3.19E+01
Climate change - biogenics	GWPb	4.37E+00	kg CO2 eq.	1.14E+00	0.00E+00	3.22E+00	0.00E+00	6.91E-04	-6.41E-04
Climate change - land use and land use transformation	GWPlu	2.49E-05	kg CO2 eq.	2.49E-05	0.00E+00	0.00E+00	0.00E+00	1.16E-08	0.00E+00
Ozone depletion	ODP	5.95E-07	kg.equivalent. CFC-11	4.61E-07	3.42E-09	3.01E-09	0.00E+00	1.27E-07	-2.24E-09
Acidification	AP	4.53E-01	mole of H+ equiv	3.69E-01	1.41E-02	1.57E-03	0.00E+00	6.84E-02	-1.07E-01
Eutrophication, freshwater	Epf	1.38E-04	kg P eq.	1.12E-04	8.36E-07	7.85E-08	0.00E+00	2.45E-05	-5.42E-06
Eutrophisation aquatique, marine	Epm	1.40E-01	kg of N equiv	1.21E-01	6.61E-03	7.15E-04	0.00E+00	1.22E-02	-1.80E-02
Eutrophication, terrestrial	Ept	1.53E+00	mole of N equiv	1.31E+00	7.26E-02	8.51E-03	0.00E+00	1.33E-01	-1.96E-01
Photochemical ozone formation	POCP	4.28E-01	kg of NMVOC equiv	3.59E-01	1.83E-02	1.91E-03	0.00E+00	4.91E-02	-7.44E-02
Abiotic resource depletion – elements	ADPe	2.28E-04	kg.equivalent. Sb	3.34E-04	8.77E-08	0*	0.00E+00	0*	-5.73E-06
Abiotic resource depletion – fossil fuels	ADPf	5.16E+03	MJ	3.55E+03	3.11E+01	2.90E+00	0.00E+00	1.58E+03	-2.44E+03
Water use	WU	2.61E+01	m3 of equiv. deprivation worldwide	1.69E+01	8.46E-03	4.45E-01	0.00E+00	8.72E+00	-1.27E+01

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 occurs predominantly during the manufacturing stage.



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Inventory Flow Indicators		Total Life Cycle Impacts		Manufacturing	Distribution	Installation	Use	End of Life	Benefits & Loads
				A1-A3	A4	A5	B1-B7	C1-C4	Module D
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	ERP	0*	MJ	0*	4.15E-02	0*	0.00E+00	0*	-1.41E-02
Use of renewable primary energy resources used as raw materials	ERM	6.03E+01	MJ	6.03E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
Total use of renewable primary energy resources	ER	5.31E+01	MJ	5.33E+01	4.15E-02	0*	0.00E+00	0*	-1.37E-02
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	ENRP	5.15E+03	MJ	3.53E+03	3.11E+01	2.90E+00	0.00E+00	1.58E+03	-2.44E+03
Use of non-renewable primary energy resources used as raw materials	ENRM	1.66E+01	MJ	1.66E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of non-renewable primary energy resources	ENR	5.16E+03	MJ	3.55E+03	3.11E+01	2.90E+00	0.00E+00	1.58E+03	-2.44E+03
Use of secondary materials	USM	4.22E+00	kg	4.22E+00	0.00E+00	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	0.00E+00
Use of non-renewable secondary fuels		0.00E+00	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	NUFW	6.08E-01	m3	3.94E-01	1.97E-04	1.04E-02	0.00E+00	2.03E-01	-2.95E-01
Hazardous waste disposed	HWD	8.58E+00	kg	6.02E-01	0.00E+00	0*	0.00E+00	7.98E+00	-4.13E-01
Non-hazardous waste disposed	NHWD	0*	kg	1.10E+00	7.82E-02	2.99E+00	0.00E+00	0*	-5.63E-04
Radioactive waste disposed	RWD	2.63E-03	kg	1.50E-03	5.57E-05	4.78E-05	0.00E+00	1.02E-03	-5.96E-07
Components for re-use	CRU	0.00E+00	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	MRE	1.00E+01	kg	2.43E+00	0.00E+00	0.00E+00	0.00E+00	7.59E+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	0.00E+00
Exported energy	EE	0.00E+00	MJ by energy vector	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the product	BCpdt	0.00E+00	kg of C.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the associated packaging	BCpkg	8.49E-01	kg of C.	8.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

In accordance with the PCR, the "Benefits & Loads" are beyond the system boundary and are thus not included in the results of "Total Life Cycle Impacts".

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.

* Represents less than 0.01% of the total life cycle of the reference flow.

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ENVIRONMENTAL IMPACTS

For other products listed, the environmental impacts are the same as the reference product.

Registration number: LGRP-01777-V01.01-EN	Drafting rules: "PEP-PCR-ed4-EN-2021 09 06" Supplemented by "PSR-0003-ed2-EN-2023 06 06"
Verifier accreditation number: VH44	Information and reference documents: www.pep-ecopassport.org
Date of issue : 12-2023	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 in compliance 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"