

Product Environmental Profile

Direct clipping and universal columns - aluminium body and covers



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.).



REFERENCE PRODUCT

Function	Connect a workstation remote from the wall to the energy and communication networks for 20 years, via 20 modules Mosaic or Arteor sockets outlets wiring accessories (10 per face).	
Reference Product		
	Cat.No 6 530 34	Cat.No 6 038 57
	Column direct clipping 2 compartments 3.92m aluminium with Fixing clip - for Mosaic and Arteor white finish functions.	

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: the full direct clipping and universal column-aluminium body and covers, as presented in all relevant catalogues - details available on request from customer service team.

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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.

Total weight of Reference Product	16077 g (all packaging included)				
Plastics as % of weight		Metals as % of weight		Other as % of weight	
ABS	1.9 %	Aluminium	75.8 %	cables / electric wires	0.1 %
PVC	0.5 %	Steel	2.2 %		
PET	<0.1 %				
Packaging as % of weight					
PP	0.2 %			Paper	13.7 %
PE	0.1 %			Wood	5.5 %
Total plastics	2.7 %	Total metals	78.0 %	Total others	19.3 %

Estimated recycled material content: 47 % by mass.



■ MANUFACTURE

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



■ DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 1441 km by road, 522 km by sea and 13 km by air from our warehouse to the local point of distribution into the market all around the world.

Packaging is compliant with applicable regulation. At their end of life, its recyclability rate is 97 % (in % of packaging weight).



■ 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 factors are 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.

• **Recyclability rate:**

Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 99 %. This value is based on data collected from a technological channel operating on an industrial basis. It does not pre-validate the effective use of this channel for the end of life of this product.

Separated into:

- plastic materials (excluding packaging) : 2 %
- metal materials (excluding packaging) : 78 %
- packaging (all types of materials) : 19 %



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 from worldwide marketed products.

For each phase, the following modelling elements were taken in account:

Manufacture	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
Distribution	Transport between the last Group distribution centre and an average delivery point in the sales area.
Installation	The end of life of the packaging.
Use	<ul style="list-style-type: none"> • Product category: PSR-0003-ed1.1-EN-2015 10 16, 3.2.3.1. Non-equipped service poles, service posts and multi-outlets extension. • 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; Europe 27 - 2008.
End of life	The default end of life scenario maximizing the impacts.
Software and database used	EIME & database CODDE-2018-11

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SELECTION OF ENVIRONMENTAL IMPACTS

	Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
	Value	Unit	Value	%	Value	%	Value	%	Value	%	Value	%
Global warming	2.95E+02	kgCO ₂ eq.	2.93E+02	99 %	1.70E+00	< 1 %	1.87E-01	< 1 %	0.00E+00	0 %	8.54E-01	< 1 %
Ozone depletion	3.24E-05	kgCFC-11 eq.	3.24E-05	100 %	3.18E-09	< 1 %	1.18E-09	< 1 %	0.00E+00	0 %	6.40E-09	< 1 %
Acidification of soils and water	1.16E+00	kgSO ₂ eq.	1.15E+00	99 %	1.01E-02	< 1 %	8.91E-04	< 1 %	0.00E+00	0 %	3.60E-03	< 1 %
Water eutrophication	3.04E-01	kg(PO ₄) ³⁻ eq.	2.96E-01	97 %	1.83E-03	< 1 %	7.96E-04	< 1 %	0.00E+00	0 %	5.92E-03	2 %
Photochemical ozone formation	6.27E-02	kgC ₂ H ₄ eq.	6.17E-02	98 %	6.37E-04	1 %	6.31E-05	< 1 %	0.00E+00	0 %	2.70E-04	< 1 %
Depletion of abiotic resources - elements	4.99E-05	kgSb eq.	4.98E-05	100 %	6.75E-08	< 1 %	8.09E-09	< 1 %	0.00E+00	0 %	3.70E-08	< 1 %
Total use of primary energy	2.58E+03	MJ	2.54E+03	99 %	2.38E+01	< 1 %	2.57E+00	< 1 %	0.00E+00	0 %	1.06E+01	< 1 %
Net use of fresh water	5.99E+00	m ³	5.99E+00	100 %	1.52E-04	< 1 %	5.21E-05	< 1 %	0.00E+00	0 %	2.49E-04	< 1 %
Depletion of abiotic resources - fossil fuels	1.45E+03	MJ	1.41E+03	97 %	2.37E+01	2 %	2.50E+00	< 1 %	0.00E+00	0 %	1.03E+01	< 1 %
Water pollution	6.07E+04	m ³	6.02E+04	99 %	2.78E+02	< 1 %	2.91E+01	< 1 %	0.00E+00	0 %	1.21E+02	< 1 %
Air pollution	1.29E+04	m ³	1.28E+04	99 %	7.30E+01	< 1 %	1.98E+01	< 1 %	0.00E+00	0 %	5.13E+01	< 1 %

The values of the 27 impacts defined in the PCR-ed3-EN-2015 04 02 are available in the digital database of pep-ecopassport.org website.

The environmental impact of the product, described in this document and different of the Reference Product, can be estimated by weighting the environmental impacts of the Reference Product by the corresponding factors.

References	Designation	coef to apply per phase of the life cycle					
		total Life Cycle	Raw materials and manufacture	Distribution	Installation	Use	End Of Life
653011	COLUMN DIRECT CLIPPING 1 COMPARTMENT 2.67M ALUMINIUM	0.6	0.6	0.6	0.7	-	0.6
653014	COLUMN DIRECT CLIPPING 1 COMPARTMENT 3.92M ALUMINIUM	0.8	0.8	0.8	0.9	-	0.7
653031	COLUMN DIRECT CLIPPING 2 COMPARTMENTS 2.67M ALUMINIUM	1.0	1.0	1.0	2.4	-	0.7
653034	COLUMN DIRECT CLIPPING 2 COMPARTMENTS 3.92M ALUMINIUM	1.0	1.0	1.0	1.0	-	1.0
653051	COLUMN DIRECT CLIPPING 4 COMPARTMENTS 3.3M ALUMINIUM	0.7	0.7	0.7	1.4	-	0.6
653001	MINI COLUMN DIRECT CLIPPING 1 COMPARTMENT 0.30M ALUMINIUM	0.1	0.1	0.1	0.3	-	0.1
653004	MINI COLUMN DIRECT CLIPPING 1 COMPARTMENT 0.68M ALUMINIUM	0.2	0.2	0.2	0.6	-	0.1
653021	MINI COLUMN DIRECT CLIPPING 2 COMPARTMENTS 0.30M ALUMINIUM	0.1	0.1	0.1	0.3	-	0.1
653024	MINI COLUMN DIRECT CLIPPING 2 COMPARTMENTS 0.68M ALUMINIUM	0.2	0.2	0.2	0.2	-	0.2
653041	MINI COLUMN DIRECT CLIPPING 4 COMPARTMENTS 0.30M ALUMINIUM	0.2	0.2	0.2	0.3	-	0.2
653044	MINI COLUMN DIRECT CLIPPING 4 COMPARTMENTS 0.68M ALUMINIUM	0.3	0.3	0.3	0.3	-	0.3
653110 / 653111 / 653112	UNIVERSAL COLUMN 1 COMPARTMENT 2.67M WHITE/ALUMINIUM/BLACK	0.7	0.7	0.7	1.0	-	0.7

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The environmental impact of the product, described in this document and different of the Reference Product, can be estimated by weighting the environmental impacts of the Reference Product by the corresponding factors.

References	Designation	coef to apply per phase of the life cycle					
		total Life Cycle	Raw materials and manufacture	Distribution	Installation	Use	End Of Life
653113 / 653114 / 653115	UNIVERSAL COLUMN 1 COMPARTMENT 3.92M WHITE/ALUMINIUM/BLACK	1.0	1.0	1.0	1.2	-	0.9
653130 / 653131 / 653132	UNIVERSAL COLUMN 2 COMPARTMENTS 2.67M WHITE/ALUMINIUM/BLACK	1.1	1.1	1.1	1.2	-	1.1
653133 / 653134 / 653135	UNIVERSAL COLUMN 2 COMPARTMENTS 3.92M WHITE/ALUMINIUM/BLACK	1.5	1.5	1.5	1.5	-	1.5
653100 / 653101 / 653102	UNIVERSAL MINI COLUMN 1 COMPARTMENT 0.3M WHITE/ALUMINIUM/BLACK	0.1	0.1	0.1	0.3	-	0.1
653103 / 653104 / 653105	UNIVERSAL MINI COLUMN 1 COMPARTMENT 0.68M WHITE/ALUMINIUM/BLACK	0.3	0.3	0.3	0.7	-	0.2
653120 / 653121 / 653122	UNIVERSAL MINI COLUMN 2 COMPARTMENTS 0.30M WHITE/ALUMINIUM/BLACK	0.2	0.2	0.2	0.4	-	0.1
653123	UNIVERSAL MINI COLUMN 2 COMPARTMENTS 0.68M WHITE	0.3	0.3	0.3	0.5	-	0.3
653124 / 653125	UNIVERSAL MINI COLUMN 2 COMPARTMENTS 0.68M ALUMINIUM/BLACK	0.4	0.4	0.4	0.9	-	0.3
653146 / 653147	UNIVERSAL COLUMN 1 CPT 2.7M. AUTOMATIC GROUNDING COVER. WHITE/ALUMINIUM	0.7	0.7	0.7	0.8	-	0.7
653148 / 653149	COLUMN 1 CPT 3.9M. AUTOMATIC GROUNDING COVER. WHITE/ALUMINIUM	0.9	0.9	0.9	1.0	-	0.9
653156 / 653157	COLUMN 2 COMPARTMENTS 2.70M AND 2 COVERS WITH AUTOMATIC GROUNDING. WHITE/ALUMINIUM	1.1	1.1	1.1	1.0	-	1.1
653158 / 653159	COLUMN 2 COMPARTMENTS 3.9M AND 2 COVERS WITH AUTOMATIC GROUNDING. WHITE/ALUMINIUM	1.4	1.4	1.4	1.2	-	1.4
653140 / 653141	MINI COLUMN 1 COMPARTMENT 0.3M AND 1 COVER WITH AUTOMATIC GROUNDING. WHITE/ALUMINIUM	0.1	0.1	0.1	0.2	-	0.1
653143 / 653144	MINI COLUMN 1 COMPARTMENT 0.68M AND 1 COVER WITH AUTOMATIC GROUNDING. WHITE/ALUMINIUM	0.2	0.2	0.2	0.3	-	0.2
653150 / 653151	MINI COLUMN 2 COMPARTMENTS 0.30M AND 2 COVERS WITH AUTOMATIC GROUNDING. WHITE/ALUMINIUM	0.1	0.1	0.1	0.2	-	0.1
653153 / 653154	MINI COLUMN 2 COMPARTMENTS 0.68M AND 2 COVERS WITH AUTOMATIC GROUNDING. WHITE/ALUMINIUM	0.3	0.3	0.3	0.4	-	0.3

Registration number: LGRP-01503-V01.01-EN	Drafting rules: «PEP-PCR-ed3-EN-2015 04 02» Supplemented by «PSR-0003-ed1.1-2015 10 16»
Verifier accreditation N°: VH23	Information and reference documents: www.pep-ecopassport.org
Date of issue: 05-2022	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010 Internal <input checked="" type="checkbox"/> External <input type="checkbox"/>	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)	
PEP are compliant with XP C08-100-1 : 2016 The elements of the present PEP cannot be compared with elements from another program	
Document in compliance with ISO 14025 : 2010: «Environmental labels and declarations. Type III environmental declarations»	
Environmental data in alignment with EN 15804: 2012 + A1 : 2013	

