Product Environmental Profile

Exiway Smartbeam SATI AMB IP42

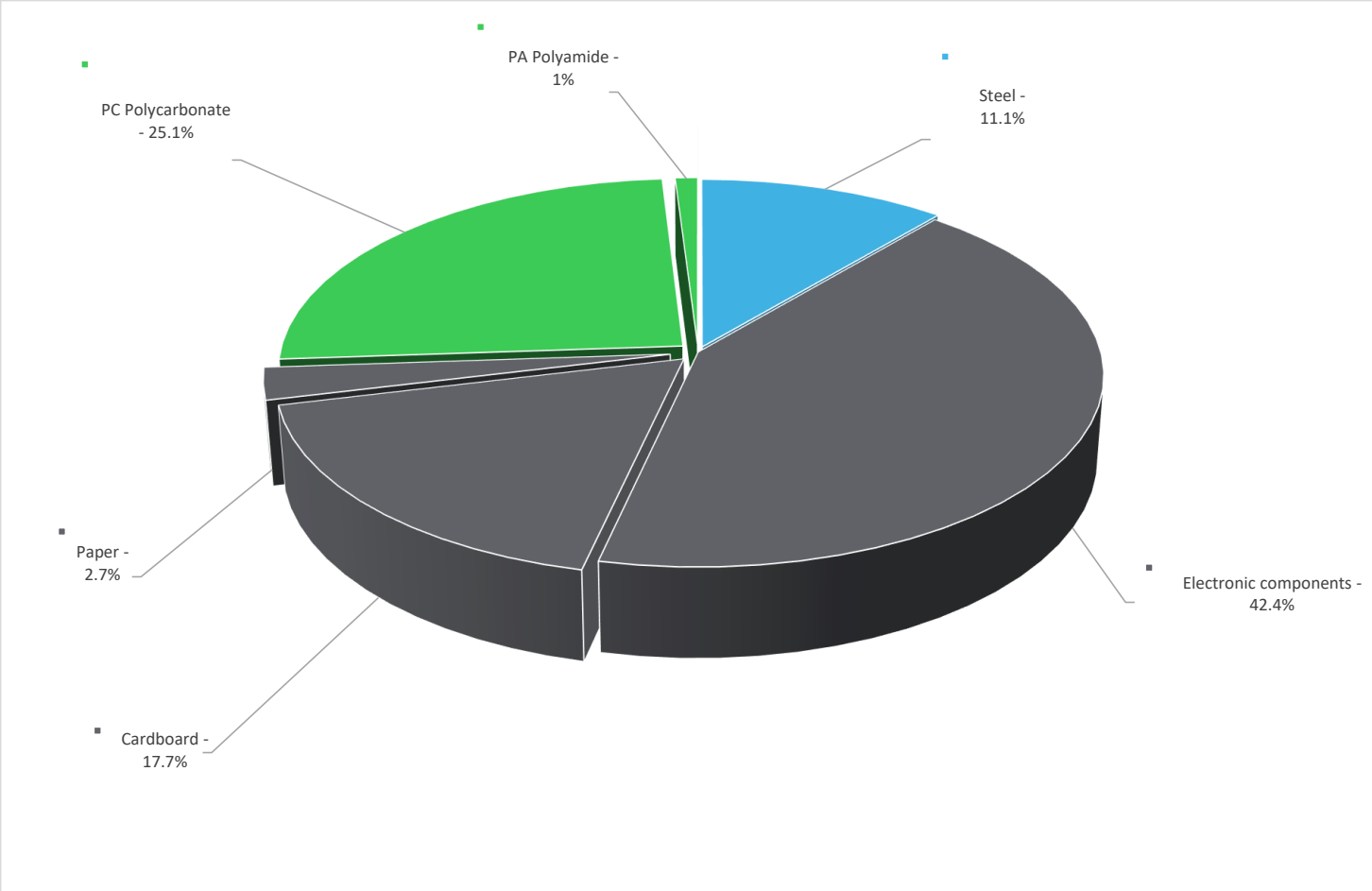


General information

Reference product	Exiway Smartbeam SATI AMB IP42 - OVA59303
Description of the product	Non Maintained Emergency Luminaire compliant to EN 60598-2-22 and NF C71:801
Functional unit	Facilitate the evacuation of personnel by providing 550 lumens of light for one hour in the event of an electrical power cut. This function is provided for ten years by its self-contained power supply
Additional similar product references	OVA59353

Constituent materials

Reference product mass	390 g	including the product, its packaging and additional elements and accessories



Plastics	26,10%
Metals	11,10%
Others	62,80%

Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website
https://www.se.com/ww/en/work/support/green-premium/

Additional environmental information

End Of Life	Recyclability potential:	**70%**	Recyclability rate has been calculated based on REEECY'LAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the "ECO'DEEE recyclability and recoverability calculation method" was taken. If no data was found a conservative assumption was used (0% recyclability).

Environmental impacts

Reference service life time	10 years			
Installation elements	During the installation phase, the packaging must be disposed off. Recessed mounting			
Use scenario	The product is in sleep mode 99% of the time with a power consumption of 0,4W and in active mode 1% of the time with a power consumption of 3W			
Technological representativeness	Non Maintained Emergency Luminaire compliant to EN 60598-2-22 and NF C71:801			
Geographical representativeness	France			
Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	Electricity Mix; Production mix; Low voltage; IT	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

Mandatory Indicators		**Exiway Smartbeam SATI AMB IP42 - OVA59303**						
Impact indicators	**Unit**	**Total**	**Manufacturing** [A1 - A3]	**Distribution** [A4]	**Installation** [A5]	**Use** [B1 - B7]	**End of Life** [C1 - C4]	**Loads and Benefits** [D]
Contribution to climate change	kg CO2 eq	2,88E+01	8,63E+00	4,60E-02	1,01E-01	1,94E+01	6,74E-01	3,30E-01
Contribution to climate change-fossil	kg CO2 eq	2,87E+01	8,58E+00	4,60E-02	1,00E-01	1,94E+01	6,58E-01	3,25E-01
Contribution to climate change-biogenic	kg CO2 eq	8,58E-02	4,68E-02	0*	8,23E-04	2,23E-02	1,59E-02	4,26E-03
Contribution to climate change-land use and land use change	kg CO2 eq	1,93E-06	1,93E-06	0*	0*	4,45E-09	0*	0,00E+00
Contribution to ozone depletion	kg CFC-11 eq	3,59E-06	3,52E-06	0*	1,39E-09	4,62E-08	2,12E-08	-1,29E-08
Contribution to acidification	mol H+ eq	1,46E-01	5,55E-02	2,91E-04	1,30E-04	8,20E-02	8,45E-03	1,79E-04
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$eq	1,69E-03	1,68E-03	0*	1,56E-06	6,18E-06	5,58E-06	1,28E-06
Contribution to eutrophication marine	kg N eq	2,54E-02	9,51E-03	1,36E-04	5,09E-05	9,82E-03	5,85E-03	2,30E-04
Contribution to eutrophication, terrestrial	mol N eq	2,47E-01	7,56E-02	1,50E-03	3,83E-04	1,66E-01	3,50E-03	1,93E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	5,96E-02	2,57E-02	3,77E-04	1,19E-04	3,20E-02	1,39E-03	6,58E-04
Contribution to resource use, minerals and metals	kg Sb eq	4,84E-04	4,82E-04	0*	0*	1,12E-06	0*	-7,31E-05
Contribution to resource use, fossils	MJ	4,11E+02	1,03E+02	6,41E-01	2,82E-01	2,95E+02	1,24E+01	5,40E+00
Contribution to water use	m3 eq	1,53E+02	4,86E+01	0*	0*	5,85E-01	1,03E+02	-2,64E-02

Additional indicators for the French regulation are available as well

Inventory flows Indicators		Exiway Smartbeam SATI AMB IP42 - OVA59303						
Inventory flows	Unit	Total	Manufact. [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Loads and Benefits [D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	9,46E+01	3,58E+00	0*	1,61E-02	9,05E+01	4,51E-01	-6,13E-01
Contribution to use of renewable primary energy resources used as raw material	MJ	1,84E-04	0*	0*	0*	1,84E-04	0*	1,07E+00
Contribution to total use of renewable primary energy resources	MJ	9,46E+01	3,58E+00	0*	1,61E-02	9,05E+01	4,51E-01	4,55E-01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4,10E+02	1,02E+02	6,41E-01	2,82E-01	2,95E+02	1,24E+01	2,33E+00
Contribution to use of non renewable primary energy resources used as raw material	MJ	1,47E+00	1,47E+00	0*	0*	1,39E-03	0*	3,07E+00
Contribution to total use of non-renewable primary energy resources	MJ	4,11E+02	1,03E+02	6,41E-01	2,82E-01	2,95E+02	1,24E+01	5,40E+00
Contribution to use of secondary material	kg	1,98E-01	1,98E-01	0*	0*	0*	0*	0,00E+00
Contribution to use of renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to use of non renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to net use of freshwater	m³	1,27E+00	1,11E+00	0*	0*	1,47E-02	1,39E-01	-3,39E-03
Contribution to hazardous waste disposed	kg	4,07E+01	4,00E+01	0*	0*	2,96E-01	3,18E-01	-5,77E+00
Contribution to non hazardous waste disposed	kg	6,41E+00	4,62E+00	1,61E-03	1,38E-01	1,54E+00	1,15E-01	1,77E+00
Contribution to radioactive waste disposed	kg	3,32E-03	3,13E-03	1,15E-06	1,08E-05	1,76E-04	6,12E-06	2,33E-04
Contribution to components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to materials for recycling	kg	5,58E-02	1,12E-03	0*	1,02E-02	0*	4,45E-02	0,00E+00
Contribution to materials for energy recovery	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to exported energy	MJ	4,01E-02	0*	0*	4,01E-02	0*	0*	0,00E+00
Contribution to biogenic carbon content of the product	kg de C	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to biogenic carbon content of the associated packaging	kg de C	0,00E+00	0*	0*	0*	0*	0*	0,00E+00

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

Life cycle assessment performed with EIME version v5.9.4, database version 2022-01 in compliance with ISO14044.

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number :	SCHN-01047-V01.01-EN	*Drafting rules*	PEP-PCR-ed4-2021 09 06
Verifier accreditation N°	VH39	*Supplemented by*	PSR-0007-ed1.1-2015 10 16
Date of issue	11/2023	*Information and reference documents*	www.pep-ecopassport.org
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal	External X		
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain) *PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019* *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 »*			

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Published by Schneider Electric

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