

# Product Environmental Profile

## Exiway Smartbeam EVAC SATI IP42





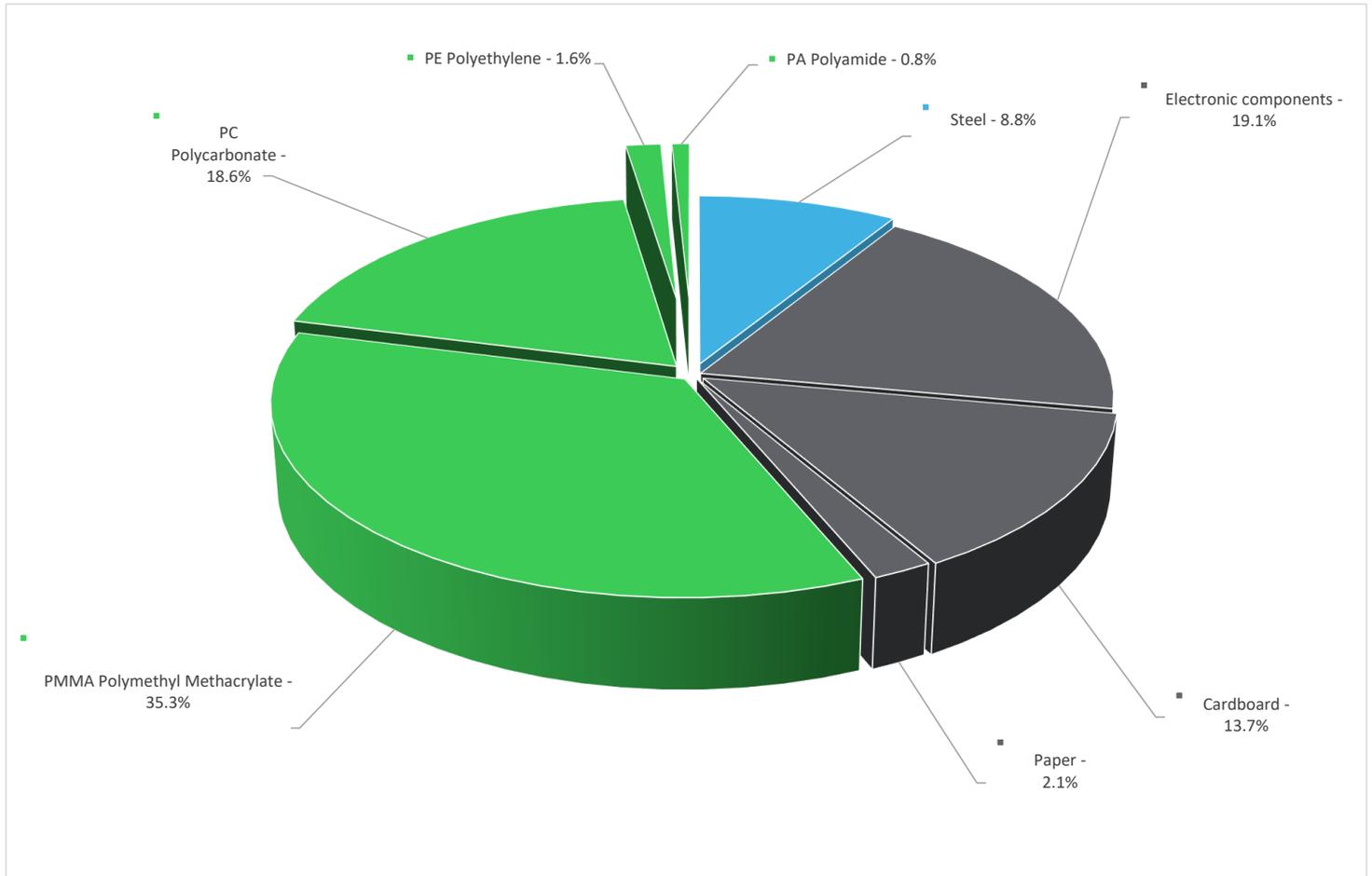
## General information

Reference product	Exiway Smartbeam EVAC SATI IP42 - OVA59106
Description of the product	Maintained and Non Maintained Emergency Luminaire compliant to EN 60598-2-22 and NF C71:800
Functional unit	Facilitate the evacuation of personnel by providing 60 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	510 g	including the product, its packaging and additional elements and accessories
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Plastics	56.30%
Metals	8.80%
Others	34.90%

## 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).
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## 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	Maintained and Non Maintained Emergency Luminaire compliant to EN 60598-2-22 and NF C71:800		
Geographical representativeness	France		
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR
			[C1 - C4]
			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 EVAC SATI IP42 - OVA59106					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	Loads and Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to climate change	kg CO2 eq	1.10E+01	7.71E+00	6.67E-02	1.47E-01	2.49E+00	6.31E-01	-1.41E-01
Contribution to climate change-fossil	kg CO2 eq	1.10E+01	7.68E+00	6.67E-02	1.40E-01	2.49E+00	6.22E-01	-1.48E-01
Contribution to climate change-biogenic	kg CO2 eq	5.80E-02	3.58E-02	0*	6.52E-03	6.43E-03	9.22E-03	7.13E-03
Contribution to climate change-land use and land use change	kg CO2 eq	4.83E-07	4.83E-07	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	1.51E-06	1.44E-06	0*	9.71E-09	3.67E-08	1.43E-08	-2.26E-08
Contribution to acidification	mol H+ eq	7.13E-02	5.06E-02	4.29E-04	5.82E-04	1.44E-02	5.26E-03	-9.39E-04
Contribution to eutrophication, freshwater	kg (PO4) <sup>3-</sup> eq	6.12E-04	4.89E-04	0*	1.06E-06	1.19E-04	3.27E-06	8.54E-07
Contribution to eutrophication marine	kg N eq	1.23E-02	6.51E-03	2.01E-04	1.54E-04	1.99E-03	3.49E-03	-8.80E-05
Contribution to eutrophication, terrestrial	mol N eq	9.83E-02	6.34E-02	2.21E-03	1.16E-03	2.86E-02	2.97E-03	-9.64E-04
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.97E-02	2.19E-02	5.58E-04	3.11E-04	5.88E-03	1.09E-03	-3.39E-04
Contribution to resource use, minerals and metals	kg Sb eq	4.21E-04	4.19E-04	0*	0*	1.18E-06	0*	-5.40E-05
Contribution to resource use, fossils	MJ	6.07E+02	1.14E+02	9.29E-01	1.53E+00	4.79E+02	1.14E+01	-3.29E+00
Contribution to water use	m3 eq	7.78E+01	1.72E+01	0*	6.26E-02	1.81E-01	6.03E+01	-1.05E-01

Additional indicators for the French regulation are available as well

Inventory flows Indicators			Exiway Smartbeam EVAC SATI IP42 - OVA59106					
Inventory flows	Unit	Total	Manufact.	Distribution	Installation	Use	End of Life	Loads and Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	4.75E+01	2.88E+00	0*	1.10E-01	4.43E+01	2.64E-01	8.81E-02
Contribution to use of renewable primary energy resources used as raw material	MJ	0.00E+00	0*	0*	0*	0*	0*	-2.12E-02
Contribution to total use of renewable primary energy resources	MJ	4.75E+01	2.88E+00	0*	1.10E-01	4.43E+01	2.64E-01	6.69E-02
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	5.97E+02	1.05E+02	9.29E-01	1.53E+00	4.79E+02	1.14E+01	-3.41E+00
Contribution to use of non renewable primary energy resources used as raw material	MJ	9.65E+00	9.65E+00	0*	0*	0*	0*	1.20E-01
Contribution to total use of non-renewable primary energy resources	MJ	6.07E+02	1.14E+02	9.29E-01	1.53E+00	4.79E+02	1.14E+01	-3.29E+00
Contribution to use of secondary material	kg	9.34E-02	9.34E-02	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	m <sup>3</sup>	1.99E+00	4.01E-01	0*	1.46E-03	4.20E-03	1.58E+00	-2.45E-03
Contribution to hazardous waste disposed	kg	1.27E+01	1.22E+01	0*	1.73E-03	3.71E-02	4.36E-01	-4.25E+00
Contribution to non hazardous waste disposed	kg	4.32E+00	3.48E+00	2.34E-03	4.77E-01	2.40E-01	1.22E-01	-4.13E-01
Contribution to radioactive waste disposed	kg	2.37E-03	2.19E-03	1.67E-06	6.40E-05	1.01E-04	6.86E-06	-7.50E-05
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	1.26E-01	1.12E-03	0*	8.06E-02	0*	4.41E-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	0.00E+00	0*	0*	0*	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>

