

Product Environmental Profile

Exiway Smartled Activa Dicube IP65





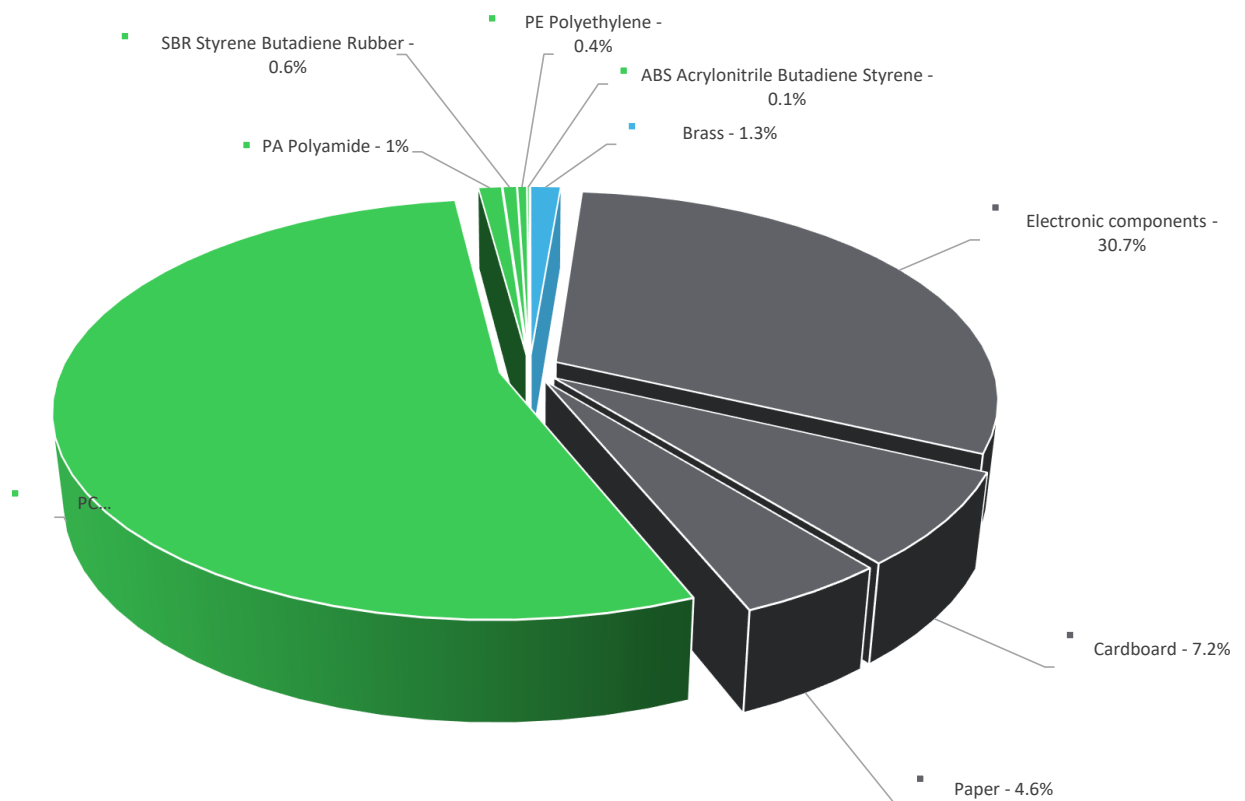
General information

Reference product	Exiway Smartled Activa Dicube IP65 - OVA48529
Description of the product	Non maintained emergency luminaire (EN 60598-2-22) luminaire in which the emergency lighting lamps are energized at all times when normal or emergency lighting is required
Description of the range	Single product
Functional unit	Emergency Luminary for Antipanic function that provide 1400 lumen for 1h (Reference Product) in case of main power failure. The product is designed for ten years expected lifetime thanks to the LiFePO battery
Additional similar product references	OVA48524 OVA48525 OVA48526 OVA48527 OVA48528
Specifications are:	3504W (energy consumption in standy mode for ten years)



Constituent materials

Reference product mass 870 g including the product, its packaging and additional elements and accessories



Plastics	56.2%
Metals	1.3%
Others	42.5%

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:	65%	The recyclability rate was calculated from the recycling rates of each material making up the product with the exception of data using the ESR database. For materials or components using the ESR database or the absence of data the conservative hypothesis "0% recyclability" was used.
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Environmental impacts

Reference service life time	10 years			
Product category	Self-contained emergency lighting units - Open area emergency lighting - SCELL			
Installation elements	The installation requires only cable and screw			
Use scenario	The luminaire is working in Non Maintained mode (stand-by mode) during 99% of his time . The rest of the 1% of time, its works in Active mode (Testing mode 6 hours per year to perform the automatic tests) and in Emergency mode to provide light each time there is main power failure. This function is provided for 10 years with a power consumption of 0.4 W.			
Time representativeness	The collected data are representative of the year 2024			
Technological representativeness	The Modules of Technologies such as material production, manufacturing processes and transport technology used in the PEP analysis (LCA EIME in the case) are Similar and représentaive of the actual type of technologies used to make the product.			
Geographical representativeness	Europe			
Energy model used	[A1 - A3] Electricity Mix; High voltage; 2018; Italy, IT	[A5] Electricity Mix; Low voltage; 2018; Europe, EU-27	[B6] Electricity Mix; Low voltage; 2018; Europe, EU-27	[C1 - C4] Electricity Mix; Low voltage; 2018; Europe, EU-27

The life cycle assessment is compliant with the specific rules applicable to Self-contained emergency electrical safety devices PSR-0007-ed2.1-EN-2023 12 08, available on the website www.pep-ecopassport.org

Detailed results of the optional indicators mentioned in PCRed4 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 Smartled Activa Dicube IP65 - OVA48529						
Impact indicators	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to climate change	kg CO2 eq	3.89E+01	1.52E+01	4.65E-01	1.06E-01	2.17E+01	1.43E+00	-1.83E+00
Contribution to climate change-fossil	kg CO2 eq	3.86E+01	1.50E+01	4.65E-01	1.01E-01	2.16E+01	1.43E+00	-1.75E+00
Contribution to climate change-biogenic	kg CO2 eq	2.70E-01	2.18E-01	0*	4.99E-03	4.51E-02	1.72E-03	-8.70E-02
Contribution to climate change-land use and land use change	kg CO2 eq	7.14E-04	7.10E-04	0*	0*	3.62E-06	9.85E-08	-6.15E-04
Contribution to ozone depletion	kg CFC-11 eq	1.20E-05	6.37E-06	0*	1.38E-09	5.50E-06	1.24E-07	-4.72E-08
Contribution to acidification	mol H+ eq	2.09E-01	8.36E-02	3.00E-03	3.09E-04	1.18E-01	4.82E-03	-4.90E-03
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	6.51E-03	3.21E-03	0*	2.42E-06	3.21E-03	8.61E-05	-1.23E-05
Contribution to eutrophication marine	kg N eq	3.92E-02	1.64E-02	1.40E-03	1.34E-04	2.02E-02	1.10E-03	-9.85E-04
Contribution to eutrophication, terrestrial	mol N eq	3.61E-01	1.24E-01	1.55E-02	9.34E-04	2.09E-01	1.16E-02	-1.02E-02
Contribution to photochemical ozone formation - human health	kg COVNM eq	1.01E-01	4.20E-02	3.97E-03	2.14E-04	5.16E-02	3.19E-03	-3.33E-03
Contribution to resource use, minerals and metals	kg Sb eq	8.27E-04	6.81E-04	0*	0*	1.44E-04	2.44E-06	-1.19E-05
Contribution to resource use, fossils	MJ	6.66E+02	2.01E+02	6.44E+00	1.04E+00	4.47E+02	1.05E+01	-4.35E+01
Contribution to water use	m3 eq	1.82E+02	9.14E+01	0*	0*	8.99E+01	2.12E-01	-7.32E-02

Inventory flows Indicators		Exiway Smartled Activa Dicube IP65 - OVA48529							
Inventory flows	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads	
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	8.78E+01	1.00E+01	0*	1.37E-01	7.72E+01	4.36E-01	-2.07E+00	
Contribution to use of renewable primary energy resources used as raw material	MJ	3.40E-01	1.93E-01	0*	0*	1.46E-01	0*	-1.55E+00	
Contribution to total use of renewable primary energy resources	MJ	8.82E+01	1.02E+01	0*	1.37E-01	7.74E+01	4.36E-01	-3.62E+00	
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	6.46E+02	1.82E+02	6.44E+00	1.04E+00	4.45E+02	1.05E+01	-2.93E+01	
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.99E+01	1.88E+01	0*	0*	1.11E+00	0*	-1.42E+01	
Contribution to total use of non-renewable primary energy resources	MJ	6.66E+02	2.01E+02	6.44E+00	1.04E+00	4.47E+02	1.05E+01	-4.35E+01	
Contribution to use of secondary material	kg	1.02E-01	1.02E-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	4.23E+00	2.14E+00	0*	0*	2.09E+00	4.93E-03	-8.95E-03	
Contribution to hazardous waste disposed	kg	1.45E+02	7.60E+01	0*	0*	6.92E+01	2.56E-01	-9.00E-01	
Contribution to non hazardous waste disposed	kg	1.72E+01	9.37E+00	1.62E-02	4.55E-02	6.75E+00	1.06E+00	-1.30E+00	
Contribution to radioactive waste disposed	kg	1.04E-02	5.74E-03	1.15E-05	5.68E-06	3.80E-03	8.64E-04	-6.95E-04	
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00	
Contribution to materials for recycling	kg	4.78E-01	3.89E-03	0*	2.58E-04	0*	4.73E-01	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	4.33E-03	3.05E-05	0*	4.30E-03	3.09E-06	0*	0.00E+00	

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

Contribution to biogenic carbon content of the product	kg de C	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg de C	3.14E-02


Mandatory Indicators		Exiway Smartled Activa Dicube IP65 - OVA48529							
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	2.17E+01	0*	6.29E+00	0*	0*	0*	1.54E+01	0*
Contribution to climate change-fossil	kg CO2 eq	2.16E+01	0*	6.27E+00	0*	0*	0*	1.54E+01	0*
Contribution to climate change-biogenic	kg CO2 eq	4.51E-02	0*	2.46E-02	0*	0*	0*	2.05E-02	0*
Contribution to climate change-land use and land use change	kg CO2 eq	3.62E-06	0*	3.62E-06	0*	0*	0*	0*	0*
Contribution to ozone depletion	kg CFC-11 eq	5.50E-06	0*	5.43E-06	0*	0*	0*	6.59E-08	0*
Contribution to acidification	mol H+ eq	1.18E-01	0*	2.97E-02	0*	0*	0*	8.79E-02	0*
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	3.21E-03	0*	3.17E-03	0*	0*	0*	4.22E-05	0*
Contribution to eutrophication marine	kg N eq	2.02E-02	0*	1.02E-02	0*	0*	0*	9.98E-03	0*
Contribution to eutrophication, terrestrial	mol N eq	2.09E-01	0*	5.87E-02	0*	0*	0*	1.50E-01	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	5.16E-02	0*	1.95E-02	0*	0*	0*	3.21E-02	0*
Contribution to resource use, minerals and metals	kg Sb eq	1.44E-04	0*	1.42E-04	0*	0*	0*	1.12E-06	0*
Contribution to resource use, fossils	MJ	4.47E+02	0*	5.42E+01	0*	0*	0*	3.92E+02	0*
Contribution to water use	m3 eq	8.99E+01	0*	8.93E+01	0*	0*	0*	5.45E-01	0*

Inventory flows Indicators		Exiway Smartled Activa Dicube IP65 - OVA48529							
Inventory flows	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	7.72E+01	0*	1.86E+00	0*	0*	0*	7.54E+01	0*
Contribution to use of renewable primary energy resources used as raw material	MJ	1.46E-01	0*	1.46E-01	0*	0*	0*	0*	0*
Contribution to total use of renewable primary energy resources	MJ	7.74E+01	0*	2.01E+00	0*	0*	0*	7.54E+01	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4.45E+02	0*	5.31E+01	0*	0*	0*	3.92E+02	0*
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.11E+00	0*	1.11E+00	0*	0*	0*	0*	0*
Contribution to total use of non-renewable primary energy resources	MJ	4.47E+02	0*	5.42E+01	0*	0*	0*	3.92E+02	0*
Contribution to use of secondary material	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of non renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to net use of freshwater	m³	2.09E+00	0*	2.08E+00	0*	0*	0*	1.27E-02	0*
Contribution to hazardous waste disposed	kg	6.92E+01	0*	6.89E+01	0*	0*	0*	2.88E-01	0*
Contribution to non hazardous waste disposed	kg	6.75E+00	0*	4.53E+00	0*	0*	0*	2.22E+00	0*
Contribution to radioactive waste disposed	kg	3.80E-03	0*	3.33E-03	0*	0*	0*	4.64E-04	0*
Contribution to components for reuse	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for recycling	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for energy recovery	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to exported energy	MJ	3.09E-06	0*	3.09E-06	0*	0*	0*	0*	0*

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

Life cycle assessment performed with EIME version v6.1, database version 2023-02 in compliance with ISO14044, EF 3.0 method is applied, for biogenic carbon storage, assessment methodology 0/0 is used

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.

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		Supplemented by	PSR-0007-ed2.1-EN-2023 12 08
Verifier accreditation N°	VH48	Information and reference documents	www.pep-ecopassport.org
Date of issue	06-2024	Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006			
Internal	External	X	
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 or NF E38-500 :2022			
The components of the present PEP may not be compared with components from any other program.			
Document complies with ISO 14025:2006 "Environmental labels and declarations. Type III environmental declarations"			
			

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