Product Environmental Profile

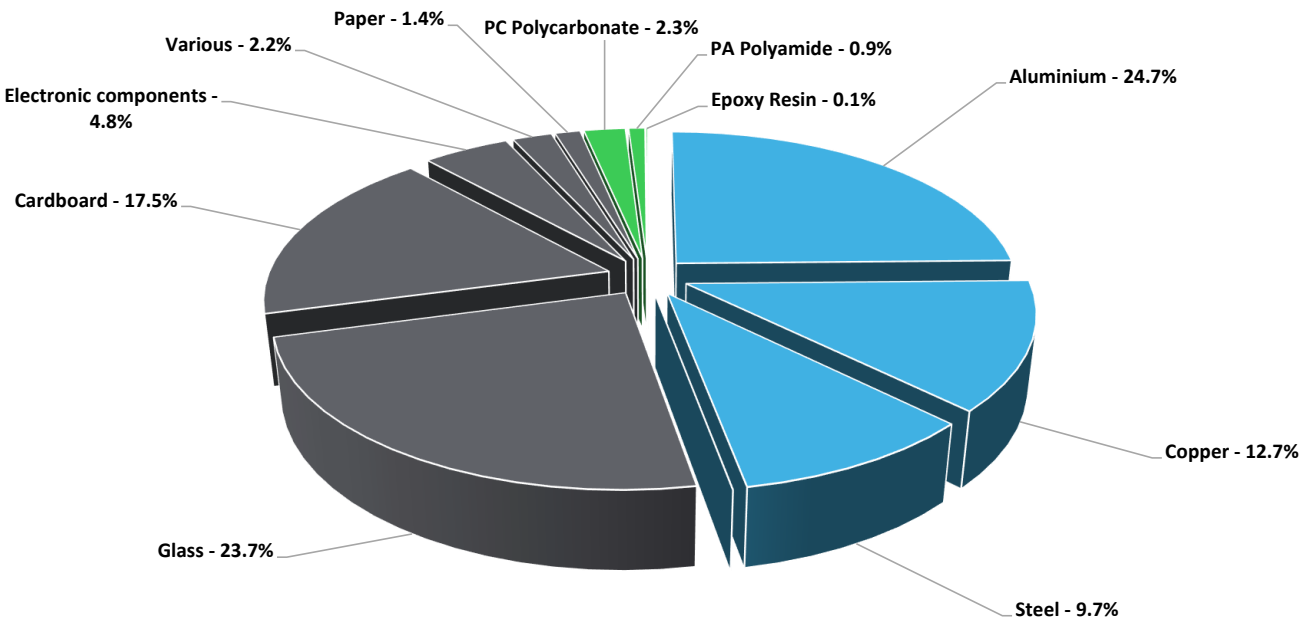
LED floodlight, Clipsal - Lighting, 30 W, 20 W,15 W, CCT, IP65

General information

Reference product	LED floodlight, Clipsal - Lighting, 30 W, 20 W,15 W, CCT, IP65 - CLITPFLT30PSC
Description of the product	The new LED floodlight is with high power efficiency,it could be switched to 3 different color tempterature,the input voltage is AC220~240Vac 50Hz.
Functional unit	Provide lighting that delivers an outgoing artificial luminous flux of 3,000 lumens during a reference lifetime of 50,000 hours. The function unit is accordance with the following technical data: -IP 65 -Operating Voltage:AC220~240Vac 50Hz -Reference standard:AS/NZS 60598.1&AS/NZS60598.2.5 -power rating: 30W -Operating Temperature:Ambient -20°C+45°C

Constituent materials

Reference product mass	652 g	including the product, its packaging and additional elements and accessories



	Plastics	3.30%
	Metals	47.10%
	Others	49.60%

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:	**42%**	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	20 years			
Installation elements	No special components needed			
Use scenario	The product is in active mode 5% of the time with a power use of 24.25W and in off mode 95% of the time with a power use of 0W, for 20 years.			
Technological representativeness	The new LED floodlight is with high power efficiency,it could be switched to 3 different color tempterature,the input voltage is AC220~240Vac 50Hz.			
Geographical representativeness	Australia			
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity Mix; Production mix; Low voltage; CN	Electricity Mix; Production mix; Low voltage; AUS	Electricity Mix; Production mix; Low voltage; AUS	Electricity Mix; Production mix; Low voltage; AUS

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		LED floodlight, Clipsal - Lighting, 30 W, 20 W,15 W, CCT, IP65 - CLITPFLT30PSC						
Impact indicators	Unit	Total	Manufacturing [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Benefits [D]
Contribution to climate change	kg CO2 eq	2.05E+02	6.95E+00	1.88E-01	2.25E-01	1.97E+02	3.51E-01	-2.84E+00
Contribution to climate change-fossil	kg CO2 eq	2.05E+02	6.92E+00	1.88E-01	2.15E-01	1.97E+02	3.51E-01	-2.77E+00
Contribution to climate change-biogenic	kg CO2 eq	1.39E-01	3.24E-02	0*	1.00E-02	9.63E-02	0*	-7.60E-02
Contribution to climate change-land use and land use change	kg CO2 eq	4.92E-09	4.92E-09	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	2.59E-06	1.44E-06	1.66E-07	1.49E-08	9.59E-07	9.27E-09	-3.59E-07
Contribution to acidification	mol H+ eq	1.36E+00	6.59E-02	8.17E-04	8.94E-04	1.30E+00	1.07E-03	-1.77E-02
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$eq	1.82E-05	1.51E-05	2.20E-08	1.63E-06	1.40E-06	4.30E-08	-1.17E-05
Contribution to eutrophication marine	kg N eq	1.51E-01	6.88E-03	3.75E-04	2.37E-04	1.43E-01	2.26E-04	-1.73E-03
Contribution to eutrophication, terrestrial	mol N eq	1.71E+00	7.40E-02	4.07E-03	1.79E-03	1.63E+00	2.49E-03	-1.82E-02
Contribution to photochemical ozone formation - human health	kg COVNM eq	5.07E-01	2.56E-02	1.33E-03	4.77E-04	4.79E-01	8.37E-04	-5.89E-03
Contribution to resource use, minerals and metals	kg Sb eq	5.64E-04	5.61E-04	0*	0*	3.05E-06	0*	-9.11E-05
Contribution to resource use, fossils	MJ	3.16E+03	9.51E+01	2.28E+00	2.34E+00	3.05E+03	1.50E+01	-3.89E+01
Contribution to water use	m3 eq	9.61E+00	1.61E+00	9.54E-03	9.61E-02	7.81E+00	7.84E-02	-7.10E-01

Additional indicators for the French regulation are available as well

Inventory flows Indicators			LED floodlight, Clipsal - Lighting, 30 W, 20 W,15 W, CCT, IP65 - CLITPFLT30PSC					
Inventory flows	Unit	Total	Manufact. [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Benefits [D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2.32E+02	1.94E+00	0*	1.68E-01	2.30E+02	0*	-1.35E-01
Contribution to use of renewable primary energy resources used as raw material	MJ	5.01E-01	5.01E-01	0*	0*	0*	0*	-2.23E+00
Contribution to total use of renewable primary energy resources	MJ	2.33E+02	2.44E+00	0*	1.68E-01	2.30E+02	0*	-2.36E+00
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	3.16E+03	9.34E+01	2.28E+00	2.34E+00	3.05E+03	1.50E+01	-3.89E+01
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.65E+00	1.65E+00	0*	0*	0*	0*	0.00E+00
Contribution to total use of non-renewable primary energy resources	MJ	3.16E+03	9.51E+01	2.28E+00	2.34E+00	3.05E+03	1.50E+01	-3.89E+01
Contribution to use of secondary material	kg	1.09E-01	1.09E-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	2.24E-01	3.76E-02	2.22E-04	2.24E-03	1.82E-01	1.82E-03	-1.65E-02
Contribution to hazardous waste disposed	kg	2.21E+01	1.63E+01	0*	2.66E-03	5.03E+00	7.67E-01	-7.46E+00
Contribution to non hazardous waste disposed	kg	3.63E+01	3.77E+00	0*	7.32E-01	3.17E+01	4.12E-02	-7.22E+00
Contribution to radioactive waste disposed	kg	4.93E-03	1.66E-03	3.74E-05	9.83E-05	3.12E-03	6.43E-06	-3.26E-03
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	3.45E-01	0*	0*	1.24E-01	0*	2.21E-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	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

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 :	ENVPEP2305021_V1	*Drafting rules*	PEP-PCR-ed4-2021 09 06
Verifier accreditation N°			
Date of issue	2023/05	*Information and reference documents*	www.pep-ecopassport.org
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14021 : 2016			
Internal X External			
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 14021 : 2016 « Environmental labels and declarations. Type II environmental declarations »			

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Published by Schneider Electric

2023/05