

PRODUCT ENVIRONMENTAL PROFILE



ECLATEC'S CSR COMMITMENTS

ECLATEC has embarked on a voluntary CSR certification process, a concept that places sustainable development at the heart of its business. Our ambition is to combine economic, social and environmental performance.



Following the evaluation of our organisation's CSR maturity by the LUCIE Agency (a reference system aligned with international CSR standard ISO 26000), we have been awarded the LUCIE PROGRESS label, proof of our commitment to sustainable development. <https://agence-lucie.com/en/lucie-26000-label/>



PRODUCT DESCRIPTION



Product reference	ELIPT 45
Weight	9.9 kg
Source	3BLS12
Average colour temperature	1800K - 2200K - 2400K - 2700K - 3000K or 4000K
Waterproof protection rating	IP66
Rated operating voltage	230 V
Maximum current	700 mA
Maximum electrical power	75 W
Electrical rating	Class I or II
Dimensions	Ø 455 mm x 175 mm
Functional unit	1,000 Lumens - 35,000 h
Recycling rate	>90%



CONSTITUENT MATERIALS

The product does not contain any substances prohibited by the regulations in force at the time it was placed on the market. It complies with the restrictions on the use of hazardous substances set out in the RoHS Directive 2011/65/EU as amended by Delegated Directive (EU) 2015/863, and its amendment.

	FLUX	UNITE	SOMME (en %)
Metals and semimetals / aluminium		kg	69,10 %
Paper and cardboards / kraft cardboard; secondary production, 96% recycled; production mix, at plant		kg	10,64 %
Glass and ceramics / glass		kg	5,79 %
Metals and semimetals / steel electrogalvanised; 35% recycled; production mix, at plant		kg	4,36 %
Plastics / flexible polyurethane foam		kg	2,14 %
Others		kg	7,97 %
		Total	100,00 %

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DESIGN

ECLATEC has implemented an eco-design approach intended to improve the environmental quality of our products, i.e. reducing their negative impacts on the environment throughout their life cycle, while maintaining their quality.

We draw up an environmental profile for our products that describes their environmental specifications as well as their environmental impact according to standard ISO 14025 using the CODDE EIME software. We then action all the improvement actions needed to reduce our impact on the environment.



PRODUCTION

The product is manufactured on sites in Eastern France that have received ISO 9001, ISO 14001 and ISO 50001 certification. We carried out our scope 1, 2 and 3 carbon assessment in 2012, and this is updated annually, with actions taken to reduce emissions and implement a low-carbon strategy.



DISTRIBUTION

Performed by responsible contractors who respect the environment and implement permanent carbon footprint reduction actions as well as actions to limit their greenhouse gas emissions.



USE

We make photometric know-how available to our clients, making it possible to carry out effective lighting studies with recommendations on the best spacing, the best power, the best equipment and the best settings. This photometric study makes it possible to optimise the location and height of lighting spots and the technical specifications for the most suitable lighting, thereby optimising consumption and energy efficiency during the product use phase.



INSTALLATION & MAINTENANCE

The products are supplied with the power supply, fixing and assembly components, fittings and other electrical connectors required for installation. Installation of the product requires the use of an elevating work platform. Direct access to the equipment after opening the light fixture (3 quarter-turn screws). Removable module.



END OF LIFE

Eclatec is a founding member of the professional WEEE recycling sector.

Our clients therefore have a free and simple local service to dispose of their light fixtures at the end of their service life in conditions that protect and respect the environment.

This commitment allows us to meet our clients' increasing WEEE processing needs and to make sure that waste is processed in compliance with regulations by operators who guarantee its decontamination and full recycling.



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ENVIRONMENTAL IMPACTS

The environmental impact assessment covers all stages of the product life cycle: manufacture, distribution, installation, use and end of life. It is representative of a product marketed in accordance with the local standards in force. For each phase, the following modelling elements have been taken into account:

Unless otherwise indicated, the energy models are those integrated into the modules used from the EIME database.

Production	The product materials and components, the processes and transport required to produce it, its packaging and the waste inherent in its manufacture.
Distribution	Flat-rate transport to the distribution point.
Installation	Phase not taken into account.
Use	This environmental declaration has been developed on the basis of the following functional unit: Provide lighting that delivers an artificial luminous flux of 1,000 lumens over a reference lifetime of 35,000 hours. (Reference PSR-0014)
End of life	Default end-of-life scenario to maximise environmental impact.



INDICATORS GLOSSARY

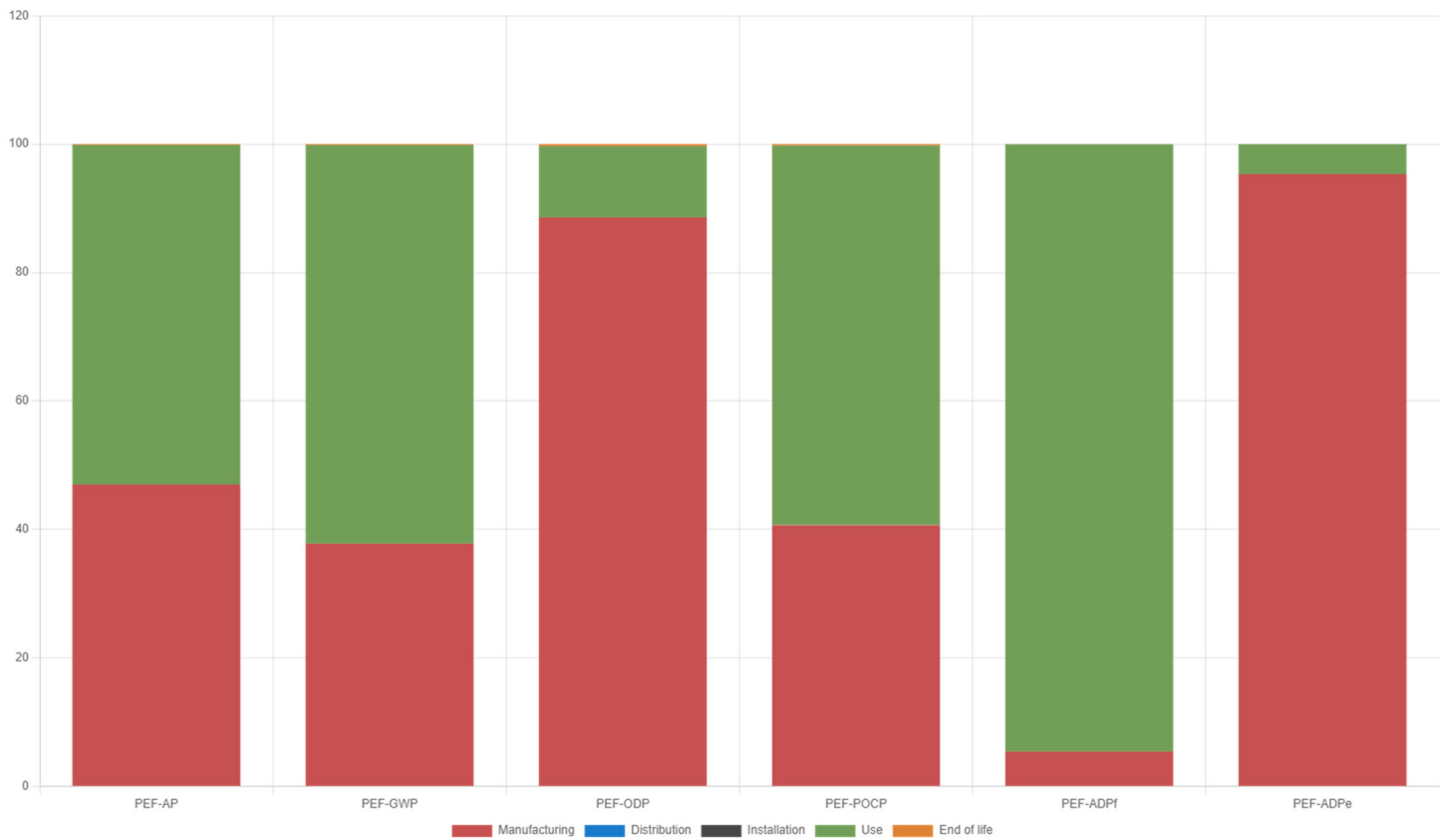
Indicators	Description	Unit
Global warming - Total (PEF-GWP)	Greenhouse gases (GHGs) are gaseous compounds that absorb the infrared radiation emitted by the Earth's surface. The increase in their concentration in the Earth's atmosphere contributes to global warming.	kg CO ₂ eq.
Depletion of the ozone layer (PEF-ODP)	The depletion of the ozone layer is the result of complex reactions between the ozone present in the upper atmosphere and gaseous compounds, which reduce the quantity of ozone. The natural filtration of ultraviolet radiation becomes less effective, leading to harmful effects on human health, animal health and terrestrial and aquatic ecosystems.	kg CFC-11 eq.
Acidification (PEF-AP)	Acidification of the air is linked to emissions of nitrogen oxides, sulphur oxides, ammonia and hydrochloric acid. These pollutants turn into acids in the presence of humidity, and their deposition can damage both ecosystems and buildings.	mol H ⁺ eq.
Depletion of mineral and metal abiotic resources (PEF-ADPe)	Industrial exploitation leads to a reduction in available resources, which have limited reserves. This indicator assesses the quantity of mineral and metal resources taken from nature as if they were antimony.	kg SB eq.
Depletion of fossil fuel abiotic resources (PEF-ADPf)	The indicator represents primary energy consumption from various non-renewable sources (oil, natural gas, etc.). Calculations are based on the net calorific value (NCV) of the types of energy considered, expressed in MJ/kg. For example, 1 kg of oil will contribute 41.87 MJ to the indicator in question.	MJ
Photochemical ozone formation (PEF-POCP)	Tropospheric ozone is formed in the lower atmosphere from volatile organic compounds (VOCs) and nitrogen oxides under the effect of solar radiation. Ozone is a very powerful oxidant known to have health effects, as it easily penetrates the respiratory tract.	kg NMVOC eq.

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RESULTS

Nom	PEF-AP <i>mod H+ eq.</i>		PEF-GWP <i>kg CO2 eq.</i>		PEF-ODP <i>kg CFC-11 eq.</i>		PEF-POCP <i>kg NMVOC eq.</i>		PEF-ADPF <i>MJ</i>		PEF-ADPe <i>kg SO2 eq.</i>	
	R	%	R	%	R	%	R	%	R	%	R	%
▶ Manufacturing	9,03E-01	47,01	1,07E+02	37,80	2,06E-05	88,60	2,85E-01	40,66	1,93E+03	5,43	1,69E-03	95,33
▶ Distribution	1,90E-06	0,00	3,00E-04	0,00	4,59E-13	0,00	2,46E-06	0,00	4,18E-03	0,00	1,18E-11	0,00
▶ Installation	0,00E+00	0,00	0,00E+00	0,00	0,00E+00	0,00	0,00E+00	0,00	0,00E+00	0,00	0,00E+00	0,00
▶ Use	1,02E+00	52,86	1,75E+02	62,04	2,58E-06	11,09	4,14E-01	59,09	3,37E+04	94,55	8,30E-05	4,67
▶ End of life	2,62E-03	0,14	4,58E-01	0,16	7,31E-08	0,31	1,73E-03	0,25	8,89E+00	0,25	7,48E-09	0,00
Somme des valeurs absolues	1,92E+00	100,00	2,83E+02	100,00	2,33E-05	100,00	7,00E-01	100,00	3,56E+04	100,00	1,78E-03	100,00



CALCULATION

Energy mix

Electricity Mix; Production mix; Low voltage; FR

Transport (Distribution)

Flat rate: 500 km