

# Product Environmental Profile

## ASTREO Bulkhead light with detection



### SARLAM'S ENVIRONMENTAL COMMITMENTS

**• Incorporate environmental management into our industrial sites**

Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

**• Offer our customers environmentally friendly solutions**

Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.


**• Involve the environment in product design and provide informations in compliance with ISO 14025**

Reduce the environmental impact of products over their whole life cycle.

Provide our customers with all relevant information (composition, consumption, end of life, etc.).



### REFERENCE PRODUCT

<b>Function</b>	Provide lighting that delivers an outgoing artificial luminous flux of 1,000 lumens during a reference lifetime of 35,000 hours.
<b>Reference Product</b>	
	Cat.No SL532197
	ASTREO 1400LM 4000K AV DETECTION WHITE

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.



### PRODUCTS CONCERNED

The environmental data is representative of the following products:

Catalogue Numbers
SL532198
SL532187
SL532188
SL532195
SL532196
SL532185
SL532186

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### ■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market.

<b>Total weight of Reference Product</b>	<b>0.741 kg</b> (all packaging included)
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Product alone weight 0.396 kg					
Plastics as % of weight		Metals as % of weight		Other as % of weight	
PC	17.1 %	Steel	1.5 %	PWB > 10cm <sup>2</sup>	6.2 %
PP	16.2 %	Copper and copper alloys	0.5 %		
ABS	10.7 %	Others metals	<0.1 %		
Rubber	0.6 %	Various metals	<0.1 %		
PVC	0.5 %				
PA	<0.1 %				
Various plastics	<0.1 %				

Packaging (alone) : 0.345 kg					
PE	0.4 %			Cardboard	28.5 %
PET	<0.1 %			Wood	16.9 %
				Paper	0.9 %
<b>Total plastics : 0.335 kg</b>	<b>45.5 %</b>	<b>Total metals : 0.015 kg</b>	<b>2.0 %</b>	<b>Total others : 0.391 kg</b>	<b>52.5 %</b>

At the date of edition of this document, the content of recycled material(s) is :

- Product alone (excluding packaging): 0% by mass
- Packaging only: 54% by mass



### ■ MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification.



### ■ DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 378 km by truck from our warehouse to the local point of distribution into the market in France.

Packaging is compliant with European directive 2004/12/EU concerning packaging and packaging waste and french decree 98-638.



### ■ INSTALLATION

For the installation of the product, only standard tools are needed.



### ■ USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.

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### END OF LIFE

The product end of life factors are taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or failing that, another form of reuse. This product falls within the scope of the WEEE directive (2012/19/EU). Therefore it must be processed through local WEEE recycling/recovery channels.

**Elements to process specifically :**

In accordance with the requirements of this directive, the following components must be removed and sent to specific channels for processing which comply with the WEEE Directive 2012/19/EU:

- PWB > 10cm<sup>2</sup> : 46 g

**Extended producer responsibility:**

In France, the sale of products covered by the field of application of the European Directive on Waste Electronic and Electrical Equipment (WEEE) is subject to a contribution to a certified eco-organisation.



### ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end of life. It is representative of products marketed and used in France in an electrical installation in compliance with NF C 15100 and associated product standards

For each phase, the following modelling elements were taken in account:

<b>System Limit</b>	<b>Manufacture A1-A3</b>	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
	<b>Distribution A4</b>	Transport between the last Group distribution centre and an average delivery point in the sales area.
	<b>Installation A5</b>	The end of life of the packaging.
	<b>Use B1-B7</b>	<ul style="list-style-type: none"> <li>• Product category: All type of lighting product.</li> <li>• Use scenario: for a 20 years working life, 3 hours per day at 100% of nominal charge 15,6W under 230V and 0,4W the reste of the time.</li> <li>• Electricity Mix_Low voltage_2018_France_FR</li> </ul>
	<b>End of life C1-C4</b>	Choice of end-of-life by default model for PCR-ed4-EN-2021 09 06
<b>D Module</b>	Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and loads beyond the boundaries of the system, and are not to be included in the life cycle totals.	
<b>Software and data-base used</b>	The indicators set used is « Indicators for PEF EF 3.0 (compliance: PEF ed.4, EN15804+A2) v2.0 » EIME V6 & its database CODDE-2023-02	

Unless otherwise indicated the modelling energetic mix are those integrated in the data modules used from the aforementioned database.

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### ENVIRONMENTAL IMPACTS

These impacts are given for the fonctionnal unit : 0.625

	Total Life Cycle		Manufacturing	Distribution	Installation	Use <sup>(1)</sup>			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Climate change - total	4.70E+01	kg CO2 eq.	4.01E+00	1.41E-02	5.54E-02	4.19E+01	0*	4.19E+01	1.07E+00	-5.74E-02
Climate change - fossil fuels	4.68E+01	kg CO2 eq.	3.90E+00	1.41E-02	5.54E-02	4.18E+01	0*	4.18E+01	1.06E+00	-8.82E-02
Climate change - biogenics	2.26E-01	kg CO2 eq.	1.08E-01	0*	4.00E-05	1.08E-01	0*	1.08E-01	1.07E-02	3.08E-02
Climate change - land use and land use transformation	1.77E-04	kg CO2 eq.	1.77E-04	0*	0*	0*	0*	0*	1.57E-07	0.00E+00
Ozone depletion	1.10E-06	kg.equivalent. CFC-11	4.61E-07	0*	6.84E-09	6.16E-07	0*	6.16E-07	1.22E-08	-8.19E-09
Acidification (AP)	2.66E-01	mole of H+ equiv	2.26E-02	8.94E-05	3.68E-04	2.42E-01	0*	2.42E-01	7.94E-04	-1.14E-03
Freshwater eutrophication	2.39E-03	kg P eq.	3.72E-04	0*	0*	1.99E-03	0*	1.99E-03	2.70E-05	1.57E-06
Marine aquatic eutrophication	3.66E-02	kg of N equiv	2.94E-03	4.19E-05	1.32E-04	3.34E-02	0*	3.34E-02	1.50E-04	1.10E-04
Terrestrial eutrophication	5.14E-01	mole of N equiv	3.09E-02	4.60E-04	1.39E-03	4.79E-01	0*	4.79E-01	1.92E-03	2.57E-04
Photochemical ozone formation	1.11E-01	kg of NMVOC equiv	1.17E-02	1.16E-04	3.55E-04	9.88E-02	0*	9.88E-02	4.79E-04	-1.04E-04
Depletion of abiotic resources - elements	1.82E-04	kg.equivalent. Sb	1.59E-04	0*	2.92E-06	1.98E-05	0*	1.98E-05	9.79E-07	-5.31E-04
Depletion of abiotic resources - fossil fuels	8.13E+03	MJ	8.24E+01	0*	0*	8.04E+03	0*	8.04E+03	3.27E+00	-6.42E+00
Water requirement	4.57E+00	m3 of equiv. deprivation worldwide	1.33E+00	0*	4.12E-02	3.03E+00	0*	3.03E+00	1.62E-01	-9.07E-02
Emission of fine particles	9.56E-06	incidence of diseases	1.53E-07	0*	6.48E-09	9.39E-06	0*	9.39E-06	5.96E-09	-6.90E-09

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

(<sup>1</sup>) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use <sup>(1)</sup>			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
<b>Ionizing radiation. human health</b>	<b>1.14E+03</b>	<b>kBq of U235 equiv.</b>	5.05E+01	0*	0*	1.09E+03	0*	1.09E+03	0*	-1.10E+00
<b>Ecotoxicity (fresh water)</b>	<b>1.81E+04</b>	<b>CTUe</b>	4.52E+03	0*	2.76E+00	2.96E+02	0*	2.96E+02	1.32E+04	-1.12E+00
<b>Human toxicity. carcinogenic effects</b>	<b>1.28E-07</b>	<b>CTUh</b>	1.18E-07	0*	2.74E-09	7.01E-09	0*	7.01E-09	6.37E-10	2.19E-08
<b>Human toxicity. non-carcinogenic effects</b>	<b>5.77E-07</b>	<b>CTUh</b>	1.17E-07	0*	1.49E-09	3.02E-07	0*	3.02E-07	1.57E-07	-5.38E-08
<b>Impacts related to land use/soil quality</b>	<b>2.32E+00</b>	<b>-</b>	6.93E-01	0*	0*	1.33E+00	0*	1.33E+00	2.89E-01	2.26E-03
<b>Use of renewable primary energy. excluding renewable primary energy resources used as raw materials</b>	<b>7.46E+02</b>	<b>MJ</b>	2.13E+00	0*	0*	7.43E+02	0*	7.43E+02	0*	-8.84E-01
<b>Use of renewable primary energy resources used as raw materials</b>	<b>3.55E+00</b>	<b>MJ</b>	3.55E+00	0*	0*	0*	0*	0*	0*	3.35E+00
<b>Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)</b>	<b>7.49E+02</b>	<b>MJ</b>	5.68E+00	0*	0*	7.43E+02	0*	7.43E+02	0*	2.46E+00
<b>Use of non-renewable primary energy. excluding non-renewable primary energy resources used as raw materials</b>	<b>8.12E+03</b>	<b>MJ</b>	7.09E+01	0*	0*	8.04E+03	0*	8.04E+03	3.27E+00	-4.77E+00
<b>Use of non-renewable primary energy resources used as raw materials</b>	<b>1.15E+01</b>	<b>MJ</b>	1.15E+01	0*	0*	0*	0*	0*	0*	-1.65E+00
<b>Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)</b>	<b>8.13E+03</b>	<b>MJ</b>	8.24E+01	0*	0*	8.04E+03	0*	8.04E+03	3.27E+00	-6.42E+00

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

(<sup>1</sup>) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use <sup>(1)</sup>			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	1.87E-01	kg	1.87E-01	0*	0*	0*	0*	0*	0*	0.00E+00
Use of renewable secondary fuels	0.00E+00	MJ	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Use of non-renewable secondary fuels	0.00E+00	MJ	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Net use of fresh water	1.08E-01	m3	3.30E-02	0*	9.58E-04	7.06E-02	0*	7.06E-02	3.78E-03	-2.11E-03
Hazardous waste disposed of	3.29E+00	kg	2.08E+00	0*	2.12E-01	6.24E-01	0*	6.24E-01	3.75E-01	-8.85E+00
Non-hazardous waste disposed of	8.09E+00	kg	3.29E+00	0*	3.54E-01	4.03E+00	0*	4.03E+00	4.20E-01	2.56E-02
Radioactive waste disposed of	4.33E-03	kg	2.56E-03	0*	4.04E-06	1.69E-03	0*	1.69E-03	7.60E-05	-1.42E-05
Components for re-use	0.00E+00	kg	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Materials for recycling	7.04E-02	kg	9.84E-03	0*	0*	0*	0*	0*	6.06E-02	0.00E+00
Materials for energy recovery	0.00E+00	kg	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Exported energy	0.00E+00	MJ by energy vector	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Total use of primary energy during the life cycle	8.88E+03	MJ	8.80E+01	0*	0*	8.78E+03	0*	8.78E+03	3.33E+00	-3.95E+00

Biogenic carbon content of the product	0.00E+00	kg of C.	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Biogenic carbon content of the associated packaging	1.11E-01	kg of C.	1.11E-01	0*	0*	0*	0*	0*	0*	0.00E+00

For biogenic carbon storage, the methodology use is 0/0

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

(<sup>1</sup>) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

For products covered by the PEP other than the Reference product, the environmental impacts of each phase of the lifecycle are assimilated to the impacts of the Reference Product.

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### ENVIRONMENTAL IMPACTS

These impacts are given for the declared product : 1.6

	Total Life Cycle		Manufacturing	Distribution	Installation	Use <sup>(1)</sup>			End of life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Climate change - total	7.52E+01	kg CO2 eq.	6.41E+00	2.26E-02	8.87E-02	6.70E+01	0*	6.70E+01	1.71E+00	-9.19E-02
Climate change - fossil fuels	7.49E+01	kg CO2 eq.	6.24E+00	2.26E-02	8.86E-02	6.68E+01	0*	6.68E+01	1.69E+00	-1.41E-01
Climate change - biogenics	3.62E-01	kg CO2 eq.	1.72E-01	0*	6.40E-05	1.73E-01	0*	1.73E-01	1.71E-02	4.92E-02
Climate change - land use and land use transformation	2.84E-04	kg CO2 eq.	2.83E-04	0*	0*	0*	0*	0*	2.51E-07	0.00E+00
Ozone depletion	1.75E-06	kg.equivalent. CFC-11	7.38E-07	0*	1.10E-08	9.86E-07	0*	9.86E-07	1.95E-08	-1.31E-08
Acidification (AP)	4.26E-01	mole of H+ equiv	3.61E-02	1.43E-04	5.88E-04	3.88E-01	0*	3.88E-01	1.27E-03	-1.83E-03
Freshwater eutrophication	3.82E-03	kg P eq.	5.95E-04	0*	0*	3.19E-03	0*	3.19E-03	4.32E-05	2.52E-06
Marine aquatic eutrophication	5.86E-02	kg of N equiv	4.71E-03	6.71E-05	2.11E-04	5.34E-02	0*	5.34E-02	2.39E-04	1.75E-04
Terrestrial eutrophication	8.23E-01	mole of N equiv	4.95E-02	7.36E-04	2.22E-03	7.67E-01	0*	7.67E-01	3.08E-03	4.12E-04
Photochemical ozone formation	1.78E-01	kg of NMVOC equiv	1.87E-02	1.86E-04	5.68E-04	1.58E-01	0*	1.58E-01	7.67E-04	-1.67E-04
Depletion of abiotic resources - elements	2.92E-04	kg.equivalent. Sb	2.54E-04	0*	4.68E-06	3.17E-05	0*	3.17E-05	1.57E-06	-8.50E-04
Depletion of abiotic resources - fossil fuels	1.30E+04	MJ	1.32E+02	0*	0*	1.29E+04	0*	1.29E+04	5.23E+00	-1.03E+01
Water requirement	7.30E+00	m3 of equiv. deprivation worldwide	2.13E+00	0*	6.59E-02	4.85E+00	0*	4.85E+00	2.60E-01	-1.45E-01
Emission of fine particles	1.53E-05	incidence of diseases	2.45E-07	0*	1.04E-08	1.50E-05	0*	1.50E-05	9.54E-09	-1.10E-08

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

(1) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table  
In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use <sup>(1)</sup>			End of life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Ionizing radiation, human health	1.82E+03	kBq of U235 equiv.	8.08E+01	0*	0*	1.74E+03	0*	1.74E+03	0*	-1.76E+00
Ecotoxicity (fresh water)	2.89E+04	CTUe	7.24E+03	0*	4.41E+00	4.73E+02	0*	4.73E+02	2.12E+04	-1.79E+00
Human toxicity, carcinogenic effects	2.05E-07	CTUh	1.89E-07	0*	4.39E-09	1.12E-08	0*	1.12E-08	1.02E-09	3.51E-08
Human toxicity, non-carcinogenic effects	9.23E-07	CTUh	1.87E-07	0*	2.38E-09	4.84E-07	0*	4.84E-07	2.50E-07	-8.62E-08
Impacts related to land use/soil quality	3.71E+00	-	1.11E+00	0*	0*	2.14E+00	0*	2.14E+00	4.62E-01	3.62E-03
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	1.19E+03	MJ	3.41E+00	0*	0*	1.19E+03	0*	1.19E+03	0*	-1.41E+00
Use of renewable primary energy resources used as raw materials	5.67E+00	MJ	5.67E+00	0*	0*	0*	0*	0*	0*	5.35E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1.20E+03	MJ	9.08E+00	0*	0*	1.19E+03	0*	1.19E+03	0*	3.94E+00
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	1.30E+04	MJ	1.13E+02	0*	0*	1.29E+04	0*	1.29E+04	5.23E+00	-7.63E+00
Use of non-renewable primary energy resources used as raw materials	1.84E+01	MJ	1.84E+01	0*	0*	0*	0*	0*	0*	-2.63E+00
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1.30E+04	MJ	1.32E+02	0*	0*	1.29E+04	0*	1.29E+04	5.23E+00	-1.03E+01

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

(1) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table  
In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column



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	Total Life Cycle		Manufacturing	Distribution	Installation	Use <sup>(1)</sup>			End of life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	3.00E-01	kg	3.00E-01	0*	0*	0*	0*	0*	0*	0.00E+00
Use of renewable secondary fuels	0.00E+00	MJ	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Use of non-renewable secondary fuels	0.00E+00	MJ	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Net use of fresh water	1.73E-01	m <sup>3</sup>	5.28E-02	0*	1.53E-03	1.13E-01	0*	1.13E-01	6.04E-03	-3.38E-03
Hazardous waste disposed of	5.27E+00	kg	3.33E+00	0*	3.39E-01	9.98E-01	0*	9.98E-01	6.00E-01	-1.42E+01
Non-hazardous waste disposed of	1.29E+01	kg	5.27E+00	0*	5.66E-01	6.44E+00	0*	6.44E+00	6.73E-01	4.09E-02
Radioactive waste disposed of	6.93E-03	kg	4.10E-03	0*	6.47E-06	2.71E-03	0*	2.71E-03	1.22E-04	-2.27E-05
Components for re-use	0.00E+00	kg	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Materials for recycling	1.13E-01	kg	1.57E-02	0*	0*	0*	0*	0*	9.69E-02	0.00E+00
Materials for energy recovery	0.00E+00	kg	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Exported energy	0.00E+00	MJ by energy vector	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Total use of primary energy during the life cycle	1.42E+04	MJ	1.41E+02	0*	0*	1.41E+04	0*	1.41E+04	5.33E+00	-6.32E+00
Biogenic carbon content of the product	0.00E+00	kg of C.	0*	0*	0*	0*	0*	0*	0*	0.00E+00
Biogenic carbon content of the associated packaging	1.78E-01	kg of C.	1.78E-01	0*	0*	0*	0*	0*	0*	0.00E+00

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

<sup>(1)</sup> For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

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# Product Environmental Profile

## ASTREO Bulkhead light with detection



To find out the environmental impact values of products other than the Reference Product. The coefficients below are to be multiplied by the values of the reference product.

Associated references	Coefficient of extrapolation of environmental indicators						
	Designation	Total life Cycle	Manufacturing [A1-A3]	Distribution [A4]	Installation [A5]	Use [B1-B7]	End of life [C1-C4]
SL532197	ASTREO 1400 LM 4000 K AV DETECTION WHITE	1.0	1.0	1.0	1.0	1.0	1.0
SL532198	ASTREO 1400 LM 4000 K AV DETECTION ANTHRACITE	1.0	1.0	1.0	1.0	1.0	1.0
SL532187	ASTREO 1400 LM 4000 K STANDARD DETECTION WHITE	1.0	1.0	1.0	1.0	1.0	1.0
SL532188	ASTREO 1400 LM 4000 K STANDARD DETECTION ANTHRACITE	1.0	1.0	1.0	1.0	1.0	1.0
SL532195	ASTREO 800 LM 4000 K AV DETECTION WHITE	1.4	1.7	1.7	1.8	1.3	1.7
SL532196	ASTREO 800 LM 4000 K AV DETECTION ANTHRACITE	1.4	1.7	1.7	1.8	1.3	1.7
SL532185	ASTREO 800 LM 4000 K STANDARD DETECTION WHITE	1.4	1.7	1.7	1.8	1.3	1.7
SL532186	ASTREO 800 LM 4000 K STANDARD DETECTION ANTHRACITE	1.4	1.7	1.7	1.8	1.3	1.7

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Date of issue: <b>01-2024</b>	Validity period: <b>5 years</b>
<b>Independent verification of the declaration and data, in compliance with ISO 14025 : 2006</b>	
<b>Internal</b> <input type="checkbox"/> <b>External</b> <input checked="" type="checkbox"/>	
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 : 2006: «Environmental labels and declarations. Type III environmental declarations»	

Environmental data in alignment with EN 15804: 2012 + A2 : 2019