2370 G2 Street Light

ENVIRONMENTAL PRODUCT DECLARATION

PRODUCT ENVIRONMENTAL PROFILE OF 2370 G2 STREET LIGHT

Reference product: 2370 G2 AB21L/150-250/3ML-7MC ET 26

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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 cannot be compared with elements from another program.			
Document complies with ISO 14025:2006 “Environmental labels and declarations. Type III environmental declarations”			

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Content of the PEP report

1 General information

1.1 Company information

TRILUX Simplify Your Light represents the most simple and reliable path to customized, energy-efficient and sustainable lighting solutions. In the dynamic and ever more complex lighting market, customers are provided with optimal advice, ideal orientation and perfect light. To ensure this, TRILUX offers a wide portfolio of technologies as well as high-performance partners within the TRILUX Group, and unites single components to create custom-designed complete solutions – always perfectly matched to customer requirements and specific applications.

In this way, complex and extensive projects are simply and rapidly realized from a single source. According to the principle of "SIMPLIFY YOUR LIGHT", planning, installation and ease of use, besides quality and cost efficiency, is focused on for customers. For more details, please visit the official website https://www.trilux.com/.

1.2 Product information

The name of the product under study is “2370 G2 Street light”.

Outdoor post-top luminaire for post-top and bracket-mounting, adjustable inclination angle. Post-top and bracket-mounted on or to post spigot Ø 60 mm or Ø 76 mm. Inclination angle can be set in 5° steps up to +/- 15°, scaled. Using reducers to be ordered separately, also suitable for mounting to posts with post spigot Ø 42 mm. The luminaire housing is opened with lever catches without use of tools. Mounting height max. 10000 mm. Optical systems consist of PMMA lens optics. Cover of light emission aperture of clear non-laminated safety glass. With asymmetric wide light distribution. Luminaire luminous flux and light color adjustable in 6 levels (Multilumen, Multicolour). Luminaire luminous flux 7500 lm - 15000 lm, connected load 53 W - 110 W, maximum luminous efficiency of luminaire 143 lm/W. Light colour warm white or neutral white, correlated colour temperature (CCT) 3000 K or 4000 K, general colour rendering index (CRI) Ra > 70. Colour locus tolerance (initial MacAdam) < 5 SDCM. Mean rated service life L80 (tq 25 °C) = 100,000 h. The light source is

replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Flicker: Pst LM < 1.0 at full load. Luminaire body of die-cast aluminium. Surface coated anthracite (similar to RAL 703). Dimensions (L x W x H): 610 mm x 201 mm x 134 mm. Mast available upon request. Safety class (EN 61140): II, protection rating (DIN EN 60529): IP66, impact resistance level in accordance with IEC 62262: IK08. Permissible ambient temperature (ta): 40 °C Weight: 4,5 kg. With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). Surge voltage resistance Differential Mode / Common Mode: 6 kV / 10 kV. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC- certified by an independent testing authority.

The assessed products range covers lighting luminaires from the “2370 G2 street light” family, which including 2370 G2 AB21L/150-250/3ML-7MC ET 26 (TK: 10424898; TOC: 6000701940; EAN: 4069072114134) , 2370 G2 AB21L/75-150/3ML-7MC ET 26 (TK: 10424897; TOC: 6000701840; EAN: 4069072114127) and 2370 G2 AB21L/18-75/3ML-7MC ET 26 (TK: 10424896; TOC: 6000701740; EAN: 4069072114110). They have all characteristics described in PSR-0014-ed2.0-EN-2023 07 13 as belong to a homogeneous environmental family.
The reference product is 2370 G2 AB21L/150-250/3ML-7MC ET 26 and the key information is summarized in the following table.

Table 1: Key technological data

Information	Unit	Value
Light source	-	Everlight
Power supply	-	Sosen
Color temperature	K	3000K/4000K
Protection index for water and dust (IP)	-	IP66
Impact resistance index (IK)	-	IK08
Nominal operating voltage	V	220～240Vac
Declared lifetime of the luminaire	Hours	50000
Declaration lifetime of the light source	Hours	50000
Outgoing luminous flux/Useful output flux	Lumen	7975 lm/15950 lm/26100 lm
Electrical input power	W	55W/110W/180W
Luminous efficiency	Lumen/W	≥145
Dimension	mm	525*175*130 610*201*134 712*261*134

For the 2370 G2 street light with an assigned lifetime of 50,000 hours that can be installed both in indoor applications, the 2370 G2 street light has the following annual service time.

Table 2: 2370 G2 street light annual operating times according to the type of building

Type of building	Annual operating hours by default	Operational lifetime (years)
Zone, open space	4000	12.5

Following the requirements of the PSR, the operational lifetime of 2370 G2 street light is 12.5 years.

1 General information

1.3 Functional Unit

The functional unit of 2370 G2 street light is defined as “Provide lighting that delivers an outgoing artificial luminous flux of 1,000 lumens during a reference lifetime of 35,000 hours”.

The reference flow is the amounts of products needed to provide the defined function. All other input and output flows in the analysis quantitatively relate to it. The reference flow of 2370 G2 street light corresponding to the functional unit shall take into account the value of the outgoing artificial luminous flux as well as the rated lifetime of the luminaire. According to test report, the outgoing artificial luminous flux of the 2370 G2 street light is 26,100 Lumen. The assigned lifetime of the 2370 G2 street light is 50,000 Hours, which is estimated by the test report. The reference flow is calculated as: (1,000/outgoing luminous flux of the analyzed product in lumens) x (35,000/declared product lifetime of the analyzed product in hours). Consequently, the reference flow of the 2370 G2 street light corresponds to:

(1,000/26,100) x (35,000/50,000) = 0.027

1.4 Homogeneous environmental family

The present PEP declaration is valid for all the products in the described homogenous environmental family. The parameters used to calculate the coefficients according to the rules of extrapolation required in PSR-0014-ed2.0-EN-2023 07 13 are listed in Table 3.

Table 4 showed the extrapolation coefficients at product level based on the technical parameters of 2370 G2 street light, and the extrapolation coefficients at functional unit level shall be taken into account with the following formula:

$$\textit{Extrapolation coefficent at the product level} \times \frac{\textit{Lighting output of reference product (lumens)}}{\textit{Lighting output of concerned product (lumens)}}$$

Table 3: The parameters of homogeneous environmental family was used in rules of extrapolation

Parameter	Unit	2370 G2 AB21L/150-250/3ML-7MC ET 26	2370 G2 AB21L/75-150/3ML-7MC ET 26	2370 G2 AB21L/18-75/3ML-7MC ET 26
Lighting output	Lumens	26100	15950	7595
Weight of light source	g	175.80	175.80	175.80
Weight of luminaire structure	g	5615.80	5615.80	5615.80
Weight of control gear	g	745.20	745.20	745.20
Weight of light management system	g	0	0	0
Weight of product	g	6536.80	6536.80	6536.80
Weight of packaging	g	2377.30	2377.30	2377.30
Power	W	180	110	55

1 General information

Table 4: The extrapolation coefficients at product level (declared unit)

Product name	Manufacturing stage	Distribution stage	Installation stage	Use stage	End of life stage
2370 G2 AB21L/150-250/3ML-7MC ET 26	1.000	1.000	1.000	1.000	1.000
2370 G2 AB21L/75-150/3ML-7MC ET 26	1.000	1.000	1.000	0.611	1.000
2370 G2 AB21L/18-75/3ML-7MC ET 26	1.000	1.000	1.000	0.306	1.000

2 Constituent materials

2.1 Overview

Table 5: Product composition

Information	Weight [in kg]	Share [in %]
Product	6.537	73.33
Packaging	2.377	26.67

2.2 Product

Table 6: Material composition – Product

Information	Weight [in kg]	Share [in %]
Metal	4.797	73.38
Plastics	0.068	1.05
Others	1.672	25.57

2.3 Packaging

Table 7: Material composition – Packaging

Information	Weight [in kg]	Share [in %]
Paper/board	1.262	53.09
Wooden pallet	1.115	46.90
Plastics	0.0003	0.01

3 Information on life cycle stages

3.1 Manufacturing stage

The manufacturer sources all parts from international suppliers. Within the manufacturing site in China, the manufacturer produced Printed Circuit Board Assembly through surface mounting and hole-through mounting process from the Printed Circuit Board using energy and auxiliaries. Then the product was assembled and tested using energy. Afterwards the product is packed in packaging materials and distributed to the client.

3.2 Distribution stage

The main market for the product is Europe and there is no specific data available. For this reason, an Intercontinental transport from China to the arrival of the product at the place of use following PEP-PCR–ed4-EN-2021 09 06 is considered in the model:

Ship: 19,000 km

Lorry: 1,000 km

3.3 Installation stage

During installation, product testing takes 0.05 hours and consumes 0.09 kWh. There is no material input required to installation. The End-of-life scenario of packaging materials was used according to PSR-0014-ed2.0-EN-2023 07 13. The transport of packaging materials following PSR-0014-ed2.0-EN-2023 07 13:

Lorry: 100 km

3.4 Use stage

The product has no direct emissions and no maintenance is required. Due to the assigned lifetime of integrated LED module is 50,000 Hours, which is more than the 2370 G2 street light, there is no light sources need to be replaced. Furthermore, no standard repairs or refurbishments are foreseen. The use of the product does consume electricity, but no water. Therefore, Since the 2370 G2 street light without light management function, its energy saving coefficient is 1 according to PSR-0014-ed2.0-EN-2023 07 13

The main market of the product is Europe, and the distribution ratio of country/region is the following:

Country/Region	Share (%)	Energy model
Germany	70	Electricity, low voltage {DE}| market for electricity, low voltage | Cut-off, S
France	5	Electricity, low voltage {FR}| market for electricity, low voltage | Cut-off, S
Austria	3	Electricity, low voltage {AT}| market for electricity, low voltage | Cut-off, S
Spain	6	Electricity, low voltage {ES}| market for electricity, low voltage | Cut-off, S
Romania	10	Electricity, low voltage {RO}| market for electricity, low voltage | Cut-off, S
Slovenia	2	Electricity, low voltage {SI}| market for electricity, low voltage | Cut-off, S
Poland	4	Electricity, low voltage {PL}| market for electricity, low voltage | Cut-off, S

3 Information on life cycle stages

3.5 End-of-life stage

There is no specific data available to calculate the shipment of product from the installation site to the approved treatment centers. The default distance is 1000 km by lorry and was used according to PEP-PCR-ed4- EN-2021 09 06. There is no energy LCI dataset was used in this stage, the process of deinstallation used the LCI dataset of mechanical treatment of used industrial electronic devices.

The product and its PCB falls under the Waste from Electrical and Electronic Equipment (WEEE) directive 2012/19/EU. The valuable fractions (Aluminium, Steel and Plastics, etc) are recycling within the default recycling recovering rate established in EN 50693. The remaining parts, based on mass balance, are sent to sanitary landfill.

3.6 Benefits and loads beyond the system boundaries stage

The reuse/recycling of the product (incl. packaging) and incineration with energy recovery generates environmental benefits by avoiding the production of primary materials or energy. The scope of the Module D is With Net Benefits and the net benefits and loads beyond the system boundaries are calculated using the formulas described in PEP-PCR–ed4- EN-2021 09 06. The amount and type of material flows used for the calculation of benefits are listed in Table 8.

Table 8: Material flows for reuse, recycling and/or recovery per unit of product (declared unit, 26,100 Lumens during 50,000 hours)

Information	Unit	Value
Total weight of product going into reuse	kg	0.000
Total weight of product going into recycling	kg	3.253
Share of metals	%	89.42
Share of plastics	%	0.00
Share of others	%	10.58
Total weight of product going into incineration with energy recovery	kg	0.046
Share of plastics	%	0.00
Share of metal	%	100.00
Share of others	%	0.00
Total weight of packaging going into reuse	kg	1.115
Total weight of packaging going into recycling	kg	1.035
Share of Paper/board	%	99.99
Share of Plastics	%	0.01
Total weight of packaging going into incineration with energy recovery	kg	0.114
Share of Paper/board	%	99.90
Share of Plastics	%	0.10

4 Environmental impacts

4.1 Introduction

The “2370 G2 street light” family evaluated in this PEP are in lined with EN 60598-1.

The primary data collected were representative of a current scenario in terms of geographical coverage and technological, which coverage averaged three months. The environmental information included in this study covers all the stages of the life cycle ("cradle to grave"). The environmental information included in this study covers all the stages of the life cycle ("cradle to grave"). The life cycle is divided into manufacturing stage (A1-A3), distribution stage (A4), installation stage (A5), use stage (B1-B7, but only B6 in this study), End-of-life stage (C1-C4) and benefits and loads beyond the system boundaries stage (D).

The environmental impacts assessment of the reference product has been performed using Simapro 9.5 software. Background datasets have been retrieved from Ecoinvent 3.11. The results refer to the core environmental impact indicators and mandatory indicators describing resource use, waste categories, and output flows according to PEP-PCR–ed4- EN-2021 09 06.

4.2 Results per functional unit

The following results of the environmental declaration have been developed by considering an outgoing artificial luminous flux of 1,000 lumens over a reference lifetime of 35,000 hours.

Table 9: Results core environmental impact indicators per functional unit

Impact category	Unit	Total	Manufacturing			Distribution	Installation
			A1	A2	A3	A4	A5
GWP-total	kg CO_2 eq	1.08E+02	2.06E+00	4.88E-03	1.67E-02	7.29E-02	1.16E-02
GWP-biogenic	kg CO_2 eq	6.62E+00	-6.20E-02	1.60E-06	4.01E-05	2.04E-06	6.60E-03
GWP-fossil	kg CO_2 eq	1.02E+02	2.12E+00	4.88E-03	1.66E-02	7.28E-02	5.02E-03
GWP-lulut	kg CO_2 eq	1.78E-01	4.82E-03	2.21E-06	7.94E-06	3.70E-05	6.31E-06
ODP	kg CFC11 eq	1.41E-06	1.34E-07	6.64E-11	5.54E-11	1.03E-09	6.46E-11
AP	mol H+ eq	4.32E-01	1.98E-02	2.06E-05	9.73E-05	1.48E-03	2.58E-05
EP-marine	kg N eq	8.63E-02	2.54E-03	7.37E-06	2.04E-05	3.80E-04	1.11E-05
EP-freshwater	kg P eq	1.43E-01	1.06E-03	5.32E-07	3.47E-06	4.49E-06	1.92E-06
EP-terrestrial	mol N eq	6.58E-01	2.69E-02	8.02E-05	2.15E-04	4.21E-03	8.96E-05
POCP	kg NMVOC eq	1.98E-01	9.00E-03	2.80E-05	5.78E-05	1.18E-03	3.25E-05
ADPE	kg Sb eq	1.24E-03	9.15E-05	1.61E-08	7.81E-08	1.20E-07	2.63E-08
ADPF	MJ	1.71E+03	2.46E+01	6.79E-02	1.75E-01	9.49E-01	6.84E-02
WDP	m^3 depriv.	1.40E+01	4.52E-01	3.14E-04	2.11E-03	3.26E-03	-9.25E-05

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Table 9: Results core environmental impact indicators per functional unit

Impact category	Unit	Use	End of life				Benefits and loads Beyond the system boundaries stage
		B6	C1	C2	C3	C4	D
GWP-total	kg CO_2 eq	1.06E+02	5.53E-02	1.84E-02	9.70E-03	6.37E-02	-6.08E-01
GWP-biogenic	kg CO_2 eq	6.62E+00	1.09E-05	1.13E-05	3.37E-03	5.98E-02	3.86E-02
GWP-fossil	kg CO_2 eq	9.93E+01	5.53E-02	1.84E-02	6.32E-03	3.95E-03	-6.45E-01
GWP-lulut	kg CO_2 eq	1.73E-01	1.97E-05	6.64E-06	1.19E-05	9.50E-07	-1.67E-03
ODP	kg CFC11 eq	1.27E-06	8.28E-11	4.04E-10	7.28E-11	2.47E-11	-4.49E-09
AP	mol H+ eq	4.10E-01	6.17E-05	7.50E-05	4.32E-05	1.17E-05	-4.45E-03
EP-marine	kg N eq	8.32E-02	1.79E-05	2.80E-05	1.45E-05	7.87E-05	-7.51E-04
EP-freshwater	kg P eq	1.42E-01	4.71E-06	1.30E-06	1.28E-06	6.24E-06	-2.77E-04
EP-terrestrial	mol N eq	6.26E-01	1.71E-04	3.06E-04	1.35E-04	3.52E-05	-7.82E-03
POCP	kg NMVOC eq	1.88E-01	4.69E-05	1.16E-04	4.30E-05	2.76E-05	-2.37E-03
ADPE	kg Sb eq	1.15E-03	8.20E-08	5.19E-08	5.00E-08	2.11E-09	-1.16E-05
ADPF	MJ	1.69E+03	1.28E-01	2.70E-01	7.53E-02	2.37E-02	-6.87E+00
WDP	m^3 depriv.	1.36E+01	2.03E-03	1.23E-03	7.01E-04	-1.41E-02	-1.52E-01

Acronyms: GWP-total = Global Warming Potential total; GWP-biogenic = Global Warming Potential biogenic; GWP-fossil = Global Warming Potential fossil; GWP-lulut = Global Warming Potential land use and land use transformation; ODP = Ozone Depletion; AP = Acidification; E = Eutrophication; POCP = Photochemical ozone formation; ADPE = Depletion of abiotic resources-minerals and metals; ADPF = Depletion of abiotic resources-fossil fuels; WDP = Water resource deprivation.

Table 10: Results of mandatory indicators per functional unit

Indicators	Unit	Value
Renewable primary energy (without raw material)	MJ	4.68E+02
Renewable primary energy (raw material)	MJ	3.80E+00
Total use of renewable primary energy	MJ	4.72E+02
Non-renewable primary energy (without raw material)	MJ	1.69E+03
Non-renewable primary energy (raw material)	MJ	2.45E+01
Total use of non-renewable primary energy	MJ	1.71E+03
Use of secondary materials	kg	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00
Net use of fresh water	m^3	8.94E-01
Hazardous waste disposed	kg	1.08E-01
Non-hazardous waste disposed	kg	8.32E+00
Radioactive waste disposed	kg	1.01E-02

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Table 10: Results of mandatory indicators per functional unit

Indicators	Unit	Value
Components for reuse	kg	2.99E-02
Materials for recycling	kg	1.24E-01
Materials for energy recovery	kg	4.40E-03
Exported energy	MJ	0.00E+00
Biogenic carbon content of the product	kg of C	0.00E+00
Biogenic carbon content of the associated packaging	kg of C	3.19E-02

4.3 Results per unit of product

The following results of the environmental declaration have been developed by considering one product (outgoing artificial luminous flux of 26,100 Lumens over a reference lifetime of 50,000 hours).

Table 11: Results core environmental impact indicators per unit of product (declared unit, 26,100 Lumens during 50,000 hours)

Impact category	Unit	Total	Manufacturing			Distribution	Installation
			A1	A2	A3	A4	A5
GWP-total	kg CO_2 eq	4.04E+03	7.69E+01	1.82E-01	6.22E-01	2.72E+00	4.33E-01
GWP-biogenic	kg CO_2 eq	2.47E+02	-2.31E+00	5.97E-05	1.49E-03	7.59E-05	2.46E-01
GWP-fossil	kg CO_2 eq	3.79E+03	7.90E+01	1.82E-01	6.20E-01	2.71E+00	1.87E-01
GWP-lulut	kg CO_2 eq	6.63E+00	1.80E-01	8.25E-05	2.96E-04	1.38E-03	2.35E-04
ODP	kg CFC11 eq	5.24E-05	5.01E-06	2.47E-09	2.06E-09	3.86E-08	2.41E-09
AP	mol H+ eq	1.61E+01	7.39E-01	7.68E-04	3.63E-03	5.51E-02	9.61E-04
EP-marine	kg N eq	3.22E+00	9.46E-02	2.75E-04	7.61E-04	1.42E-02	4.16E-04
EP-freshwater	kg P eq	5.32E+00	3.97E-02	1.98E-05	1.29E-04	1.67E-04	7.15E-05
EP-terrestrial	mol N eq	2.45E+01	1.00E+00	2.99E-03	8.03E-03	1.57E-01	3.34E-03
POCP	kg NMVOC eq	7.39E+00	3.36E-01	1.04E-03	2.15E-03	4.41E-02	1.21E-03
ADPE	kg Sb eq	4.64E-02	3.41E-03	6.01E-07	2.91E-06	4.47E-06	9.82E-07
ADPF	MJ	6.39E+04	9.16E+02	2.53E+00	6.52E+00	3.54E+01	2.55E+00
WDP	m^3 depriv.	5.23E+02	1.69E+01	1.17E-02	7.85E-02	1.22E-01	-3.45E-03

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Table 11: Results core environmental impact indicators per unit of product (declared unit, 26,100 Lumens during 50,000 hours)

Impact category	Unit	Use	End of life				Benefits and loads Beyond the system boundaries stage
		B6	C1	C2	C3	C4	D
GWP-total	kg CO_2 eq	3.96E+03	2.06E+00	6.86E-01	3.62E-01	2.38E+00	-2.27E+01
GWP-biogenic	kg CO_2 eq	2.47E+02	4.08E-04	4.21E-04	1.26E-01	2.23E+00	1.44E+00
GWP-fossil	kg CO_2 eq	3.70E+03	2.06E+00	6.85E-01	2.35E-01	1.47E-01	-2.41E+01
GWP-lulut	kg CO_2 eq	6.45E+00	7.33E-04	2.48E-04	4.43E-04	3.54E-05	-6.21E-02
ODP	kg CFC11 eq	4.73E-05	3.09E-09	1.51E-08	2.72E-09	9.22E-10	-1.67E-07
AP	mol H+ eq	1.53E+01	2.30E-03	2.80E-03	1.61E-03	4.37E-04	-1.66E-01
EP-marine	kg N eq	3.10E+00	6.69E-04	1.05E-03	5.40E-04	2.94E-03	-2.80E-02
EP-freshwater	kg P eq	5.28E+00	1.76E-04	4.86E-05	4.77E-05	2.33E-04	-1.03E-02
EP-terrestrial	mol N eq	2.33E+01	6.36E-03	1.14E-02	5.05E-03	1.31E-03	-2.92E-01
POCP	kg NMVOC eq	7.00E+00	1.75E-03	4.31E-03	1.60E-03	1.03E-03	-8.82E-02
ADPE	kg Sb eq	4.29E-02	3.06E-06	1.94E-06	1.87E-06	7.88E-08	-4.33E-04
ADPF	MJ	6.29E+04	4.77E+00	1.01E+01	2.81E+00	8.82E-01	-2.56E+02
WDP	m^3 depriv.	5.07E+02	7.56E-02	4.58E-02	2.61E-02	-5.24E-01	-5.67E+00

Acronyms: GWP-total=Global Warming Potential total; GWP-biogenic=Global Warming Potential biogenic; GWP-fossil=Global Warming Potential fossil; GWP-lulut=Global Warming Potential land use and land use transformation; ODP=Ozone Depletion; AP=Acidification; E=Eutrophication; POCP=Photochemical ozone formation; ADPE=Depletion of abiotic resources-minerals and metals; ADPF=Depletion of abiotic resources-fossil fuels; WDP=Water resource deprivation.

Table 12: Results of mandatory indicators per unit of product (declared unit, 26,100 Lumens during 50,000 hours)

Indicators	Unit	Value
Renewable primary energy (without raw material)	MJ	1.74E+04
Renewable primary energy (raw material)	MJ	1.42E+02
Total use of renewable primary energy	MJ	1.76E+04
Non-renewable primary energy (without raw material)	MJ	6.30E+04
Non-renewable primary energy (raw material)	MJ	9.13E+02
Total use of non-renewable primary energy	MJ	6.39E+04
Use of secondary materials	kg	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00
Net use of fresh water	m^3	3.33E+01
Hazardous waste disposed	kg	4.04E+00

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Table 12: Results of mandatory indicators per unit of product (declared unit, 26,100 Lumens during 50,000 hours)

Indicators	Unit	Value
Non-hazardous waste disposed	kg	3.10E+02
Radioactive waste disposed	kg	3.76E-01
Components for reuse	kg	1.12E+00
Materials for recycling	kg	4.62E+00
Materials for energy recovery	kg	1.64E-01
Exported energy	MJ	0.00E+00
Biogenic carbon content of the product	kg of C	0.00E+00
Biogenic carbon content of the associated packaging	kg of C	1.19E+00