



Product Environmental Profile (PEP) according to ISO 14025 SRGC (SDGC/SRGO/SDGO)

Registration number	RX01-00001-V02.01-EN	Drafting rules	PEP-PCR-ED4-EN-2021 09 06
Verifier accreditation number	VH45	Supplemented by	PSR-0014-ED2.0-EN- 2023 07 13
Date of issue	09-2025	Validity period	5 years
EPD prepared by	Sphera Solutions GmbH		
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)			
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»			

1 General information

1.1 Product information

The product consists of the following assemblies: device mount, SRT-Rail, end-caps, and control gear. They are described in more detail in the following sections. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

Device mount: IP 64 device mount - Central.Line.Optic - direct wide distribution - visually continuous

Device mounts made of galvanised, profiled sheet steel with zinc coating combined with polyester resin paint guarantees good corrosion protection; tool-free attachment with design-integrated push locks ensure protection against theft and disassembly. Integrated end faces made of plastic with sealing lips and an all-round closed seal is combined to the support rail for a protection type up to IP64. Housing colour traffic white RAL 9016; Direct wide beam light distribution using Central.Line.Optic made of PMMA plastic. The lens optic contains a transparent seal that ensures ease of installation and is easy to maintain thanks to its easy-to-clean surface. The density of the single-row lens arrangement ensures that the points merge to form a line with a homogeneous appearance in the object. Electrical connection is ensured by means of a fixed, 5-pin, quick-fit plug connector and a free choice of phases. Integrated guide for fast contacting; with 3h emergency lighting battery; Luminaire status by visible status LED in luminaire (NL-B3); Luminous flux in emergency light mode 927 lm. They are exchangeable, permit modernisation and reliably prolong the service life of the overall system.

More specifications are listed below.

- Beam angle: 95 ° (C0) / 95 ° (C90)
- Placement: LED, Colour rendering/Light colour CRI ≥ 80 / 4000K
- Colour tolerance (MacAdam): 3SDCM
- Controller: Electronic driver 3h emergency lighting (1 pcs.)
- Energy efficiency class/light source: C
- Mains voltage: 230V
Ambient temperature: ta 5 °C bis 35 °C
- UGR lat./long.: 22.9 / 24.3
- Certification mark: IP 64, Protection class I, F, D, HACCP DIN10500/Food/IFS-application-related suitability/BRC, Indoor, CE
- Warranty period: 5 years

SRT-Rail: Universal mounting rail, flexible, current taps every 767.5 mm, for device mount module /750, /1500 and /2250

Torsion-resistant support rail made of galvanized, profiled sheet steel with zinc coating combined with polyester resin lacquer to ensure good corrosion protection; universal support rail suitable for light runs of all protection classes IP20 to IP64; Housing colour traffic white RAL 9016; Heat-resistant, through-wiring with individual conductors installed in the factory. Including 3 current taps for electrical connection of the device mounts, in module 750.

With push connection at the end of the mounting rail for the fast electrical connection of further mounting rails. 2 pre-scored knock-outs at the top allow a direct feed via the mounting rail. Feed adapter and optional mounting rail including outfeed required. Please order assembly accessories as well as rail end pieces and connectors separately.

More specifications are listed below.

- Wiring: 7x2.5mm²
- Certification mark: IP 20/40/54/64, Protection class I, Indoor, CE
- Type: SRT /2250/I-0750 7x2.5mm² vw RAL 9016
- Order number: 19282253100
- More product information: <https://www.regiolux.de/de/article/19282253100>

SRT-Rail End caps IP64 (2 pieces): Housing colour traffic white RAL 9016

- Certification mark: IP 20/40/54/64, Indoor, CE
- Type: SRTES vw RAL 9016
- Order number: 19200235100
- More product information: <https://www.regiolux.de/de/article/19200235100>

SDTEM End caps IP20 (2 pieces): Housing colour traffic white RAL 9016 (for device mounts #M+O%...)

- made of powder-coated steel
- Certification mark: IP20, Indoor, CE
- Article number: 18900331100
- Product deep link: <https://www.regiolux.de/en/article/18900331100>

Control gear: SRT-Quick-fit mounting system, IP 54 variable Device mount functional module netlife light management, Modullänge/750.

Device mounts made of galvanised, profiled sheet steel with zinc coating combined with polyester resin paint guarantee good corrosion protection; tool-free attachment with integrated rotary catches for rapid fitting in the support rail. Integrated end faces made of plastic with sealing lips and an all-round closed seal to the support rail for a protection type up to IP54. For integrating sensor technology and the control unit into the light run; can be positioned variably in the support rail. Housing colour black RAL 9005; Electrical connection by means of a 0.7m connection cable for variable device mount positioning in the light run with freely positionable phases. Light Control: netlife easy21; Regiolux Classification: netlife easy; Control signal: DALI2-broadcast; Number of control gear (max): 30; Communication: Wired; Sensor technology: PIR - passive infrared; Installation height (min/max): 4m to 14m; Monitoring area: max. 30m x 4m; Remote control: 84501101203; Optional remote control: 84501101200 +App; App name: Steinel smart remote; System extension: easy22; Application: Industry, Logistics centres, Corridors, Garages; Function: Motion detection, Corridor function, Manual dimming, Daylight control. They are exchangeable, permit modernisation and reliably prolong the service life of the overall system. netlife easy system; straightforward in-house project engineering; easy installation; preset functions; simple commissioning via remote control, app, DIP switch, rotary knob, etc.

More specifications are listed below.

- Controller: easy21
- Mains voltage: 230V
- Mains frequency: 50Hz
- Special properties: Advanced Services
- Certification mark: IP54, HACCP DIN10500/Food/IFS-application-related suitability/BRC, Indoor, CE
- Type: SRGSV/0750 netlife easy21 sw RAL 9005
- More product information: <https://www.regiolux.de/en/article/19152700214>

Table 1 summarizes the key technological data of the analyzed product.

Table 1: Key technological data

Information	Unit
Product code	19512027040
Light source	LED
Power supply	50/60 Hz AC
Colour temperature	4000 K
Protection index for water and dust (IP)	64
Impact resistance index (IK)	03
Nominal operating voltage	230-240 V
Declared lifetime of the luminaire (L80B50)	100,000 Hours (TA25 °C)
Declaration lifetime of the light source	100,000 Hours (TA25 °C)
Useful output flux	12,956 Lumen
Electrical input power (Nominal power)	73.6 W
Electrical input power (Typical power)	73.6 W
Luminous efficiency	176 Lumen/W
Length	2,299 mm
Width/Diameter	55 mm
Height	37 mm
Reference use scenario	Industry

Based on the declared lifetime of the luminaire and the average annual operating hours by the selected building type according to EN 13201-5:2016, the luminaire has the following annual service time:

Table 2: Use scenario

Type of building	Annual operating hours by default	Operational lifetime (years)
Industry	4,000	25

1.2 Overview

The general information used for the EPD are listed below:

Table 3: Basic EPD information

Information	
Functional unit	Provide lighting that delivers an outgoing artificial luminous flux of 1,000 lumens during a reference lifetime of 35,000 hours
Reference flow / declared unit*	0.027 pieces
Life cycle stages covered	Cradle-to-grave + benefits and loads beyond the system boundaries (Module D)
Product category according to PSR	Luminaires
Product family name	SRGC (SDGC/SRGO/SDGO)
All products of the product family	• #~+C%/2250 7000 EP § DALI \$
The sections of the product codes marked with special symbols (e.g. “#”) refer to placeholders.	• #~+C%/2250 7000 EP § DALI B3 \$ • #~+C%/2250 7000 EP § ET \$ • #~+C%/2250 7000 EP § ET B3 \$ • #~+C%/1500 6000 EP § DALI \$ • #~+C%/1500 6000 EP § DALI B3 \$ • #~+C%/1500 6000 EP § ET \$ • #~+C%/1500 6000 EP § ET B3 \$ • #~+C%/2250 9000 EP § DALI \$ • #~+C%/2250 9000 EP § DALI B3 \$ • #~+C%/2250 9000 EP § ET \$ • #~+C%/2250 9000 EP § ET B3 \$ • #~+C%/1500 8000 EP § DALI \$ • #~+C%/1500 8000 EP § DALI B3 \$ • #~+C%/1500 8000 EP § ET \$ • #~+C%/1500 8000 EP § ET B3 \$ • #~+C%/2250 12000 EP § DALI \$ • #~+C%/2250 12000 EP § DALI B3 \$ • #~+C%/2250 12000 EP § ET \$ • #~+C%/2250 12000 EP § ET B3 \$ • #~+C%/1500 10000 EP § DALI \$ • #~+C%/1500 10000 EP § DALI B3 \$ • #~+C%/1500 10000 EP § ET \$ • #~+C%/1500 10000 EP § ET B3 \$ • #~+C%/2250 16000 EP § DALI \$ • #~+C%/2250 16000 EP § DALI B3 \$ • #~+C%/2250 16000 EP § ET \$ • #~+C%/2250 16000 EP § ET B3 \$ • #~+C%/1500 12000 EP § DALI \$ • #~+C%/1500 12000 EP § DALI B3 \$ • #~+C%/1500 12000 EP § ET \$ • #~+C%/1500 12000 EP § ET B3 \$ • #~+C%/2250 18000 EP § DALI \$ • #~+C%/2250 18000 EP § DALI B3 \$ • #~+C%/2250 18000 EP § ET \$ • #~+C%/2250 18000 EP § ET B3 \$ • #~+C%/1500 13000 EP § DALI \$

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- #~+C%/1500 13000 EP § DALI B3 \$
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 - #~+C%/2250 22000 XP § DALI \$
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 - #~+C%/2250 22000 XP § ET \$
 - #~+C%/2250 22000 XP § ET B3 \$
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 - #~+C%/1500 4000 XP § DALI B3 \$
 - #~+C%/1500 4000 XP § ET \$
 - #~+C%/1500 4000 XP § ET B3 \$
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Extrapolation rules	The tables in section 5 provide information about the used extrapolation rules and the resulting extrapolation factors according to the applied PSR.
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The reference flow is calculated as: $(1,000/\text{outgoing luminous flux of the analyzed product in lumens}) \times (35,000/\text{declared product lifetime of the analyzed product in hours})$

Consequently, the reference flow of the following product correspond to:

$$(1,000/12,956) \times (35,000/100,000) = 0.027 \text{ pieces}$$

2 Constituent materials

2.1 Overview

Table 4: Packed product composition

Information	Weight [in kg]	Share
Total Weight	5.015	100.0%
Product	4.422	88.2%
Packaging	0.592	11.8%
Accessories	0.000	0.0%

Note: The mounting rail (SRT rail) has a longer service lifetime compared to the rest of the luminaire. For this reason, all tables (and results) include just 63% of the total weight of the mounting rail. The rail is a passive device and no lifetime can be reported. However, Regiolux has experience due to refurbishments activities and can ensure a lifetime of 40 years.

2.2 Product

Table 5: Material composition - product

Information	Weight [in kg]	Share
Product	4.422	100.0%
Metals	2.574	58.2%
• Stainless steel	2.305	52.1%
• Galvanized steel	0.185	4.2%
• Steel	0.084	1.9%
Electronics	1.135	25.7%
Plastic	0.713	16.1%
• PMMA	0.600	13.6%
• PU foam	0.040	0.9%
• PC	0.027	0.6%
• PA	0.025	0.6%
• Silicone	0.014	0.3%
• TPE-S	0.004	<0.1%
• Rubber	0.003	<0.1%
• EPDM	<0.001	<0.1%

Note: The mounting rail (SRT rail) has a longer service lifetime compared to the rest of the luminaire. For this reason, all tables (and results) include just 63% of the total weight of the mounting rail. The rail is a passive device and no lifetime can be reported. However, Regiolux has experience due to refurbishments activities and can ensure a lifetime of 40 years.

2.3 Packaging

Table 6: Material composition - packaging

Information	Weight [in kg]	Share
Packaging	0.592	100.0%
Cardboard	0.359	60.5%
Wood	0.167	28.1%
Plastic	0.041	7.0%
Paper	0.026	4.4%

Note: The mounting rail (SRT rail) has a longer service lifetime compared to the rest of the luminaire. For this reason, all tables (and results) include just 63% of the total weight of the mounting rail. The rail is a passive device and no lifetime can be reported. However, Regiolux has experience due to refurbishments activities and can ensure a lifetime of 40 years.

3 Information on life cycle stages

3.1 Manufacturing (A1-A3)

Regiolux purchases raw materials and finished parts from suppliers with a European focus. In its factory in Königsberg, Regiolux first profiles the trunking and the device mount of the luminaire in order to assemble both assemblies with additional components. Components such as a mounting plate or a pressure lock are stamped and bent before they are installed in the device mount. All assemblies are then packaged and transported to the customer.

In 2024, the Regiolux group achieved the badge “committed” by Ecovadis for its sustainability efforts.¹

The energy model used in manufacturing refers to the average German electricity grid mix and is based on Sphera’s Managed LCA Content.

Module A2 considers the transportation of the raw materials to Regiolux’s facility. Based on the location of the tier I suppliers, the scenarios given by the PCR have been used:

- International: 19.000 km Ship + 1.000 km Truck (diesel driven, EURO 0-6, >27t payload, 85% utilization)
- Intracontinental: 3.500 km Truck (diesel driven, EURO 0-6, >27t payload, 85% utilization)
- Local/domestic: 1.000 km Truck (diesel driven, EURO 0-6, >27t payload, 85% utilization)

3.2 Distribution (A4)

The product is shipped to customers worldwide. Therefore, this module considers a mixed transport scenario, which refers to a weighted average.

- Truck: 1,950 km
- Ship: 190 km

The background assumptions for the transportation are listed below.

Table 7: Background information distribution

Information	Truck	Ship	Unit
Fuel type	Diesel	Heavy fuel oil (1.0 wt.% S)	-
Fuel consumption	1.99E-05	2.77E-6	l/(kg*km)
Capacity utilisation (including empty runs)	85	70	%
Bulk density of transported products	n.a.	n.a.	kg/m3
Volume capacity utilisation factor	n.a.	n.a.	-

¹ Information provided by Regiolux.

3.3 Installation (A5)

The product can be installed manually using standard tools such as screwdrivers and special Regiolux accessories for ceiling mounting. These accessories are not product-specific, can be re-used, and are sold separately. The manufacture and disposal of this accessory is excluded as it can be used indefinitely for many Regiolux products. No energy input is required.

Packaging waste is treated according to the scenario given in PSR-0014-ed2-EN-2023 07 13.

3.4 Use stage (B1-B6)

The product has no direct emissions (B1). No repair (B3), replacement (B4), or refurbishment (B5) is required. The use of the product does consume electricity (B6), but no water (B7). Since the product includes an emergency battery, it needs to be maintained over its lifetime. Therefore, module B2 considers the production and disposal of 3 replacement batteries.

The operational electricity consumption over the entire lifetime of the product is 7360 kWh. It has been calculated according to PSR edition 2. The used electricity grid mix is a weighted average of the main point of sales of Regiolux. The used energy models refer to a national average electricity grid mix from Sphera's Managed LCA Content.

3.5 End of life (C1-C4)

The product falls under the Waste from Electrical and Electronic Equipment (WEEE) directive 2012/19/EU. Therefore, a collection rate of 100% and a typical end-of-life scenario for electronic products is assumed. All (mechanical and electronic) metals are recycled. Plastic & renewable materials are incinerated with energy recovery. Batteries are landfilled.

For the transport to end-of-life treatment 1,000 km by truck according to PEP PCR is considered.

3.6 Benefits and loads beyond the system boundaries stage (D)

Incineration with energy recovery and recycling of the product and packaging generates environmental benefits by avoiding the production of primary materials or energy. The amount and types of waste streams from the product and packaging are listed in Table 8.

Table 8: Material flows for benefits and loads beyond the system boundaries

Information	Unit	Value
Total weight going into re-use	kg/functional unit	0.00E+00
Weight of product going into recycling	kg/functional unit	1.00E-01
Weight of packaging going into recycling	kg/functional unit	1.93E-02
Weight of product going into incineration with energy recovery	kg/functional unit	1.07E-02
Weight of packaging going into incineration with energy recovery	kg/functional unit	4.21E-03

4 Environmental impacts

4.1 Introduction

The following table summarizes the key information for the calculation of the environmental impacts:

Table 9: Basic information LCA model

Information	Value
Used LCA software	LCA for Experts 10
Used LCI database	Sphera Managed LCA Content Professional 2024.1 + Extension 2024.1
PCR version	PEP-PCR-ED4-EN-2021 09 06
Functional unit	Provide lighting that delivers an outgoing artificial luminous flux of 1,000 lumens during a reference lifetime of 35,000 hours

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. The results refer to the core environmental impact indicators and indicators describing resource use, waste categories, and output flows.

Table 10: Core environmental impact result indicators per functional unit (0.027 pieces)

	TOTAL (excl. D)	Raw materials & parts		Manufacturing	Distribution	Installation	Use		End of life			Benefits and loads beyond the system boundaries
		A1	A2	A3	A4	A5	B2	B6	C2	C3	C4	D
GWP - total [kg CO ₂ eq.]	7.32E+01	1.09E+00	1.39E-02	2.66E-02	1.69E-02	2.07E-02	4.21E-01	7.37E+01	7.48E-03	2.70E-02	1.13E-04	-2.11E-01
GWP - fossil [kg CO ₂ eq.]	7.21E+01	1.09E+00	1.36E-02	3.19E-02	1.66E-02	8.91E-03	4.21E-01	7.29E+01	7.35E-03	2.70E-02	1.13E-04	-2.17E-01
GWP - biogenic [kg CO ₂ eq.]	8.71E-01	-2.56E-03	3.11E-05	-5.48E-03	3.92E-05	1.18E-02	4.16E-04	8.94E-01	1.76E-05	2.44E-05	-7.81E-07	6.94E-03
GWP - luluc [kg CO ₂ eq.]	1.49E-02	1.05E-03	2.13E-04	8.56E-05	2.76E-04	1.23E-05	3.13E-04	1.32E-02	1.24E-04	4.73E-06	6.78E-07	-2.97E-04
ODP [kg CFC-11 eq.]	2.01E-09	7.37E-12	1.94E-15	3.51E-13	2.43E-15	1.66E-14	5.73E-13	2.07E-09	1.09E-15	8.08E-14	3.05E-16	1.92E-14
AP [Mole of H+ eq.]	1.26E-01	5.27E-03	3.46E-05	5.73E-05	2.32E-05	1.01E-05	2.08E-03	1.22E-01	7.75E-06	2.39E-05	8.05E-07	-1.85E-03
EP - freshwater [kg P eq.]	3.97E-04	7.29E-06	5.46E-08	2.66E-07	7.00E-08	9.56E-08	5.27E-07	4.03E-04	3.13E-08	1.77E-08	2.57E-10	-2.37E-07
EP - marine [kg N eq.]	3.55E-02	8.21E-04	1.18E-05	2.43E-05	7.59E-06	5.51E-06	3.57E-04	3.54E-02	2.46E-06	9.91E-06	2.07E-07	-1.92E-04
EP - terrestrial [Mole of N eq.]	3.67E-01	8.70E-03	1.35E-04	2.39E-04	9.05E-05	4.35E-05	4.00E-03	3.65E-01	3.03E-05	1.15E-04	2.28E-06	-2.07E-03
POCP [kg NMVOC eq.]	8.89E-02	2.53E-03	3.46E-05	5.75E-05	2.32E-05	1.00E-05	1.07E-03	8.78E-02	7.81E-06	2.57E-05	6.32E-07	-6.38E-04
ADPE [kg Sb eq.]	1.21E-04	1.06E-04	1.13E-09	7.46E-09	1.43E-09	2.03E-09	1.89E-07	1.47E-05	6.40E-10	6.08E-10	7.35E-12	-7.62E-05
ADPF [MJ]	1.17E+03	1.42E+01	1.79E-01	4.81E-01	2.19E-01	5.16E-02	5.81E+00	1.18E+03	9.70E-02	7.81E-02	1.49E-03	-2.12E+00
WDP [m ³ world equiv.]	8.20E+00	2.49E-01	1.98E-04	1.56E-03	2.54E-04	1.01E-03	1.31E-01	8.05E+00	1.14E-04	6.11E-03	1.30E-05	-4.81E-02

Table 11: Result indicators describing resource use, waste categories, and output flows per functional unit (0.027 pieces)

	TOTAL (excl. D)	Raw materials & parts		Manufacturing	Distribution	Installation	Use		End of life			Benefits and loads beyond the system boundaries
		A1	A2	A3	A4	A5	B2	B6	C2	C3	C4	D
PERE [MJ]	1.06E+03	3.05E+00	1.45E-02	8.83E-02	1.86E-02	6.11E-02	3.54E-01	1.09E+03	8.35E-03	5.02E-02	2.60E-04	-2.48E-01
PERM [MJ]	3.18E-01	1.13E-01	0.00E+00	2.49E-01	0.00E+00	-4.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT [MJ]	1.06E+03	3.19E+00	1.45E-02	3.38E-01	1.86E-02	1.76E-02	3.54E-01	1.09E+03	8.35E-03	5.02E-02	2.60E-04	-2.48E-01
PENRE [MJ]	1.17E+03	1.34E+01	1.79E-01	4.59E-01	2.19E-01	6.16E-02	5.81E+00	1.18E+03	9.70E-02	8.78E-01	1.49E-03	-2.12E+00
PENRM [MJ]	2.70E-02	8.16E-01	0.00E+00	2.06E-02	0.00E+00	-9.86E-03	0.00E+00	0.00E+00	0.00E+00	-8.00E-01	0.00E+00	0.00E+00
PENRT [MJ]	1.17E+03	1.42E+01	1.79E-01	4.81E-01	2.19E-01	5.16E-02	5.81E+00	1.18E+03	9.70E-02	7.81E-02	1.49E-03	-2.12E+00
SM [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-01
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW [m3]	4.99E-01	9.51E-03	1.61E-05	1.40E-04	2.07E-05	4.59E-05	3.05E-03	5.02E-01	9.32E-06	1.58E-04	3.94E-07	-1.84E-03
HWD [kg]	2.66E-06	1.45E-07	6.75E-12	2.12E-09	8.35E-12	8.81E-10	1.80E-07	2.40E-06	3.73E-12	1.03E-10	3.73E-13	-6.81E-10
NHWD [kg]	1.35E+00	1.02E-01	2.84E-05	2.15E-03	3.54E-05	3.70E-03	1.67E-01	1.10E+00	1.58E-05	5.59E-03	7.56E-03	-1.86E-02
RWD [kg]	1.40E-01	3.43E-04	3.19E-07	2.07E-05	3.97E-07	2.29E-06	2.69E-05	1.44E-01	1.77E-07	9.78E-06	1.57E-08	-3.67E-06
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR [kg]	1.14E-01	0.00E+00	0.00E+00	2.59E-03	0.00E+00	1.07E-02	0.00E+00	0.00E+00	0.00E+00	1.00E-01	0.00E+00	0.00E+00
MER [kg]	2.55E-02	0.00E+00	0.00E+00	2.02E-03	0.00E+00	4.21E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00
EEE [MJ]	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET [MJ]	2.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biog. C in product [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biog. C in packaging [kg]	6.59E-03	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Full forms of the acronyms can be found in the annex.

4.3 Results per 1 piece

The following results of the environmental declaration have been developed by considering the entire life cycle of one product with the technical properties described in section 1. The results refer to the core environmental impact indicators and indicators describing resource use, waste categories, and output flows.

Table 12: Core environmental impact result indicators per 1 piece

	TOTAL (excl. D)	Raw materials & parts		Manufacturing	Distribution	Installation	Use		End of life			Benefits and loads beyond the system boundaries
		A1	A2	A3	A4	A5	B2	B6	C2	C3	C4	D
GWP - total [kg CO ₂ eq.]	2.71E+03	4.05E+01	5.13E-01	9.84E-01	6.25E-01	7.67E-01	1.56E+01	2.73E+03	2.77E-01	1.00E+00	4.19E-03	-7.80E+00
GWP - fossil [kg CO ₂ eq.]	2.67E+03	4.05E+01	5.04E-01	1.18E+00	6.14E-01	3.30E-01	1.56E+01	2.70E+03	2.72E-01	1.00E+00	4.19E-03	-8.04E+00
GWP - biogenic [kg CO ₂ eq.]	3.23E+01	-9.49E-02	1.15E-03	-2.03E-01	1.45E-03	4.37E-01	1.54E-02	3.31E+01	6.51E-04	9.04E-04	-2.89E-05	2.57E-01
GWP - luluc [kg CO ₂ eq.]	5.50E-01	3.89E-02	7.89E-03	3.17E-03	1.02E-02	4.55E-04	1.16E-02	4.89E-01	4.58E-03	1.75E-04	2.51E-05	-1.10E-02

ODP [kg CFC-11 eq.]	7.44E-08	2.73E-10	7.19E-14	1.30E-11	8.99E-14	6.16E-13	2.12E-11	7.65E-08	4.02E-14	2.99E-12	1.13E-14	7.11E-13
AP [Mole of H+ eq.]	4.66E+00	1.95E-01	1.28E-03	2.12E-03	8.58E-04	3.75E-04	7.69E-02	4.52E+00	2.87E-04	8.84E-04	2.98E-05	-6.83E-02
EP - freshwater [kg P eq.]	1.47E-02	2.70E-04	2.02E-06	9.83E-06	2.59E-06	3.54E-06	1.95E-05	1.49E-02	1.16E-06	6.54E-07	9.53E-09	-8.78E-06
EP - marine [kg N eq.]	1.32E+00	3.04E-02	4.37E-04	9.01E-04	2.81E-04	2.04E-04	1.32E-02	1.31E+00	9.09E-05	3.67E-04	7.66E-06	-7.11E-03
EP - terrestrial [Mole of N eq.]	1.36E+01	3.22E-01	5.00E-03	8.85E-03	3.35E-03	1.61E-03	1.48E-01	1.35E+01	1.12E-03	4.26E-03	8.44E-05	-7.65E-02
POCP [kg NMVOC eq.]	3.29E+00	9.35E-02	1.28E-03	2.13E-03	8.60E-04	3.71E-04	3.96E-02	3.25E+00	2.89E-04	9.53E-04	2.34E-05	-2.36E-02
ADPE [kg Sb eq.]	4.47E-03	3.93E-03	4.17E-08	2.76E-07	5.29E-08	7.51E-08	6.98E-06	5.45E-04	2.37E-08	2.25E-08	2.72E-10	-2.82E-03
ADPF [MJ]	4.32E+04	5.25E+02	6.61E+00	1.78E+01	8.09E+00	1.91E+00	2.15E+02	4.37E+04	3.59E+00	2.89E+00	5.53E-02	-7.83E+01
WDP [m³ world equiv.]	3.03E+02	9.23E+00	7.34E-03	5.79E-02	9.39E-03	3.75E-02	4.86E+00	2.98E+02	4.22E-03	2.26E-01	4.80E-04	-1.78E+00

Table 13: Result indicators describing resource use, waste categories, and output flows per 1 piece

	TOTAL (excl. D)	Raw materials & parts		Manufacturing	Distribution	Installation	Use		End of life			Benefits and loads beyond the system boundaries
		A1	A2	A3	A4	A5	B2	B6	C2	C3	C4	D
PERE [MJ]	3.92E+04	1.13E+02	5.35E-01	3.27E+00	6.87E-01	2.26E+00	1.31E+01	4.03E+04	3.09E-01	1.86E+00	9.64E-03	-9.17E+00
PERM [MJ]	1.18E+01	4.18E+00	0.00E+00	9.20E+00	0.00E+00	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT [MJ]	3.92E+04	1.18E+02	5.35E-01	1.25E+01	6.87E-01	6.51E-01	1.31E+01	4.03E+04	3.09E-01	1.86E+00	9.64E-03	-9.17E+00
PENRE [MJ]	4.32E+04	4.95E+02	6.61E+00	1.70E+01	8.09E+00	2.28E+00	2.15E+02	4.37E+04	3.59E+00	3.25E+01	5.53E-02	-7.83E+01
PENRM [MJ]	9.99E-01	3.02E+01	0.00E+00	7.64E-01	0.00E+00	-3.65E-01	0.00E+00	0.00E+00	0.00E+00	-2.96E+01	0.00E+00	0.00E+00
PENRT [MJ]	4.32E+04	5.25E+02	6.61E+00	1.78E+01	8.09E+00	1.91E+00	2.15E+02	4.37E+04	3.59E+00	2.89E+00	5.53E-02	-7.83E+01
SM [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E+00
RSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW [m3]	1.85E+01	3.52E-01	5.96E-04	5.18E-03	7.65E-04	1.70E-03	1.13E-01	1.86E+01	3.45E-04	5.84E-03	1.46E-05	-6.81E-02
HWD [kg]	9.84E-05	5.37E-06	2.50E-10	7.83E-08	3.09E-10	3.26E-08	6.67E-06	8.90E-05	1.38E-10	3.82E-09	1.38E-11	-2.52E-08
NHWD [kg]	5.00E+01	3.76E+00	1.05E-03	7.97E-02	1.31E-03	1.37E-01	6.19E+00	4.06E+01	5.86E-04	2.07E-01	2.80E-01	-6.90E-01
RWD [kg]	5.16E+00	1.27E-02	1.18E-05	7.66E-04	1.47E-05	8.49E-05	9.97E-04	5.32E+00	6.54E-06	3.62E-04	5.80E-07	-1.36E-04
CRU [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR [kg]	4.20E+00	0.00E+00	0.00E+00	9.60E-02	0.00E+00	3.96E-01	0.00E+00	0.00E+00	0.00E+00	3.71E+00	0.00E+00	0.00E+00
MER [kg]	9.44E-01	0.00E+00	0.00E+00	7.47E-02	0.00E+00	1.56E-01	0.00E+00	0.00E+00	0.00E+00	7.13E-01	0.00E+00	0.00E+00
EEE [MJ]	5.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET [MJ]	9.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biog. C in product [kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biog. C in packaging [kg]	2.44E-01	0.00E+00	0.00E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Full names of the acronyms can be found in the annex.

5 Extrapolation rules

The extrapolation coefficients included in the PEP have been developed according to the valid PCR & PSR. Table 14 shows the key properties of the reference product, function as extrapolation basis.

Table 14: Reference values for the extrapolation

Parameter	Unit	Reference value
Weight of structural/ mechanical parts	kg	3.26
Weight of power equipment	kg	1.00
Weight of light source	kg	0.14
Weight of light management system	kg	0.00
Weight of product (excl. packaging)	kg	4.42
Weight of packaging	kg	0.59
Typical power consumption	W	73.6
Lumen output	lm	12,956
Weight of product (incl. packaging)	kg	5.02

The extrapolation at the level of the functional unit needs to be done according to the following formula:

$$\text{Extrapolation coefficient at the product level} \times \left(\frac{\text{Lighting output of reference product (lumens)}}{\text{Lighting output of product concerned (lumens)}} \right)$$

The required extrapolation coefficients at the product level are listed in the following table. The symbols used in the product codes, function as placeholders and refer to product properties with neglectable influence on the environmental profile (e.g., housing color).

Table 15: Extrapolation coefficients at the product level

Product Code	Fabrication stage	Distribution stage	Installation stage	Use (B2)	Use (B6)	End of life stage
#~+C%/2250 7000 EP § DALI \$	0,97	0,96	1,00	0,00	0,25	0,96
#~+C%/2250 7000 EP § DALI B3 \$	1,04	1,03	1,00	1,00	0,25	1,04
#~+C%/2250 7000 EP § ET \$	0,95	0,93	1,00	0,00	0,25	0,92
#~+C%/2250 7000 EP § ET B3 \$	1,00	1,00	1,00	1,00	0,25	1,00
#~+C%/1500 6000 EP § DALI \$	0,74	0,73	1,00	0,00	0,23	0,69
#~+C%/1500 6000 EP § DALI B3 \$	0,82	0,79	1,00	1,00	0,23	0,77
#~+C%/1500 6000 EP § ET \$	0,72	0,69	1,00	0,00	0,23	0,65
#~+C%/1500 6000 EP § ET B3 \$	0,78	0,76	1,00	1,00	0,23	0,73
#~+C%/2250 9000 EP § DALI \$	0,97	0,96	1,00	0,00	0,51	0,96
#~+C%/2250 9000 EP § DALI B3 \$	1,04	1,03	1,00	1,00	0,51	1,04
#~+C%/2250 9000 EP § ET \$	0,95	0,93	1,00	0,00	0,51	0,92
#~+C%/2250 9000 EP § ET B3 \$	1,00	1,00	1,00	1,00	0,51	1,00
#~+C%/1500 8000 EP § DALI \$	0,74	0,73	1,00	0,00	0,44	0,69
#~+C%/1500 8000 EP § DALI B3 \$	0,82	0,79	1,00	1,00	0,44	0,77
#~+C%/1500 8000 EP § ET \$	0,72	0,69	1,00	0,00	0,44	0,65
#~+C%/1500 8000 EP § ET B3 \$	0,78	0,76	1,00	1,00	0,44	0,73
#~+C%/2250 12000 EP § DALI \$	0,97	0,96	1,00	0,00	0,99	0,96
#~+C%/2250 12000 EP § DALI B3 \$	1,04	1,03	1,00	1,00	0,99	1,04
#~+C%/2250 12000 EP § ET \$	0,95	0,93	1,00	0,00	0,99	0,92
#~+C%/2250 12000 EP § ET B3 \$	1,00	1,00	1,00	1,00	0,99	1,00
#~+C%/1500 10000 EP § DALI \$	0,74	0,73	1,00	0,00	0,71	0,69
#~+C%/1500 10000 EP § DALI B3 \$	0,82	0,79	1,00	1,00	0,71	0,77
#~+C%/1500 10000 EP § ET \$	0,72	0,69	1,00	0,00	0,71	0,65
#~+C%/1500 10000 EP § ET B3 \$	0,78	0,76	1,00	1,00	0,71	0,73
#~+C%/2250 16000 EP § DALI \$	0,97	0,96	1,00	0,00	1,61	0,96
#~+C%/2250 16000 EP § DALI B3 \$	1,04	1,03	1,00	1,00	1,61	1,04
#~+C%/2250 16000 EP § ET \$	0,95	0,93	1,00	0,00	1,61	0,92
#~+C%/2250 16000 EP § ET B3 \$	1,00	1,00	1,00	1,00	1,61	1,00
#~+C%/1500 12000 EP § DALI \$	0,74	0,73	1,00	0,00	0,96	0,69
#~+C%/1500 12000 EP § DALI B3 \$	0,82	0,79	1,00	1,00	0,96	0,77
#~+C%/1500 12000 EP § ET \$	0,72	0,69	1,00	0,00	0,96	0,65
#~+C%/1500 12000 EP § ET B3 \$	0,78	0,76	1,00	1,00	0,96	0,73
#~+C%/2250 18000 EP § DALI \$	0,97	0,96	1,00	0,00	2,16	0,96
#~+C%/2250 18000 EP § DALI B3 \$	1,04	1,03	1,00	1,00	2,16	1,04

#~+C%/2250 18000 EP § ET \$	0,95	0,93	1,00	0,00	2,16	0,92
#~+C%/2250 18000 EP § ET B3 \$	1,00	1,00	1,00	1,00	2,16	1,00
#~+C%/1500 13000 EP § DALI \$	0,74	0,73	1,00	0,00	1,24	0,69
#~+C%/1500 13000 EP § DALI B3 \$	0,82	0,79	1,00	1,00	1,24	0,77
#~+C%/1500 13000 EP § ET \$	0,72	0,69	1,00	0,00	1,24	0,65
#~+C%/1500 13000 EP § ET B3 \$	0,78	0,76	1,00	1,00	1,24	0,73
#~+C%/2250 20000 EP § DALI \$	0,97	0,96	1,00	0,00	2,79	0,96
#~+C%/2250 20000 EP § DALI B3 \$	1,04	1,03	1,00	1,00	2,79	1,04
#~+C%/2250 20000 EP § ET \$	0,95	0,93	1,00	0,00	2,79	0,92
#~+C%/2250 20000 EP § ET B3 \$	1,00	1,00	1,00	1,00	2,79	1,00
#~+C%/1500 4000 EP § DALI \$	0,74	0,73	1,00	0,00	0,11	0,69
#~+C%/1500 4000 EP § DALI B3 \$	0,82	0,79	1,00	1,00	0,11	0,77
#~+C%/1500 4000 EP § ET \$	0,72	0,69	1,00	0,00	0,11	0,65
#~+C%/1500 4000 EP § ET B3 \$	0,78	0,76	1,00	1,00	0,11	0,73
#~+O%/1500 4000 § DALI \$	0,73	0,69	1,00	0,00	0,09	0,65
#~+O%/1500 4000 § DALI B3 \$	0,82	0,76	1,00	1,00	0,09	0,73
#~+O%/1500 4000 § ET \$	0,71	0,65	1,00	0,00	0,09	0,61
#~+O%/1500 4000 § ET B3 \$	0,76	0,72	1,00	1,00	0,09	0,68
#~+O%/1500 6000 § DALI \$	0,73	0,69	1,00	0,00	0,19	0,65
#~+O%/1500 6000 § DALI B3 \$	0,82	0,76	1,00	1,00	0,19	0,73
#~+O%/1500 6000 § ET \$	0,71	0,65	1,00	0,00	0,19	0,61
#~+O%/1500 6000 § ET B3 \$	0,76	0,72	1,00	1,00	0,19	0,68
#~+O%/1500 8000 § DALI \$	0,73	0,69	1,00	0,00	0,37	0,65
#~+O%/1500 8000 § DALI B3 \$	0,82	0,76	1,00	1,00	0,37	0,73
#~+O%/1500 8000 § ET \$	0,71	0,65	1,00	0,00	0,37	0,61
#~+O%/1500 8000 § ET B3 \$	0,76	0,72	1,00	1,00	0,37	0,68
#~+O%/1500 10000 § DALI \$	0,73	0,69	1,00	0,00	0,60	0,65
#~+O%/1500 10000 § DALI B3 \$	0,82	0,76	1,00	1,00	0,60	0,73
#~+O%/1500 10000 § ET \$	0,71	0,65	1,00	0,00	0,60	0,61
#~+O%/1500 10000 § ET B3 \$	0,76	0,72	1,00	1,00	0,60	0,68
#~+O%/2250 7000 § DALI \$	0,89	0,82	1,00	0,00	0,23	0,79
#~+O%/2250 7000 § DALI B3 \$	0,94	0,89	1,00	1,00	0,23	0,87
#~+O%/2250 7000 § ET \$	0,88	0,79	1,00	0,00	0,23	0,76
#~+O%/2250 7000 § ET B3 \$	0,91	0,86	1,00	1,00	0,23	0,84
#~+O%/2250 10000 § DALI \$	0,89	0,82	1,00	0,00	0,47	0,79
#~+O%/2250 10000 § DALI B3 \$	0,94	0,89	1,00	1,00	0,47	0,87
#~+O%/2250 10000 § ET \$	0,88	0,79	1,00	0,00	0,47	0,76
#~+O%/2250 10000 § ET B3 \$	0,91	0,86	1,00	1,00	0,47	0,84
#~+O%/1500 9000 § DALI \$	0,73	0,69	1,00	0,00	0,41	0,65
#~+O%/1500 9000 § DALI B3 \$	0,82	0,76	1,00	1,00	0,41	0,73
#~+O%/1500 9000 § ET \$	0,71	0,65	1,00	0,00	0,41	0,61

#~+0%/1500 9000 § ET B3 \$	0,76	0,72	1,00	1,00	0,41	0,68
#~+0%/2250 14000 § DALI \$	0,89	0,82	1,00	0,00	0,92	0,79
#~+0%/2250 14000 § DALI B3 \$	0,94	0,89	1,00	1,00	0,92	0,87
#~+0%/2250 14000 § ET \$	0,88	0,79	1,00	0,00	0,92	0,76
#~+0%/2250 14000 § ET B3 \$	0,91	0,86	1,00	1,00	0,92	0,84
#~+0%/1500 12000 § DALI \$	0,73	0,69	1,00	0,00	0,67	0,65
#~+0%/1500 12000 § DALI B3 \$	0,82	0,76	1,00	1,00	0,67	0,73
#~+0%/1500 12000 § ET \$	0,71	0,65	1,00	0,00	0,67	0,61
#~+0%/1500 12000 § ET B3 \$	0,76	0,72	1,00	1,00	0,67	0,68
#~+0%/2250 19000 § DALI \$	0,89	0,82	1,00	0,00	1,84	0,79
#~+0%/2250 19000 § DALI B3 \$	0,94	0,89	1,00	1,00	1,84	0,87
#~+0%/2250 19000 § ET \$	0,88	0,79	1,00	0,00	1,84	0,76
#~+0%/2250 19000 § ET B3 \$	0,91	0,86	1,00	1,00	1,84	0,84
#~+C%/2250 7000 PP § DALI \$	0,97	0,96	1,00	0,00	0,26	0,96
#~+C%/2250 7000 PP § DALI B3 \$	1,04	1,03	1,00	1,00	0,26	1,04
#~+C%/2250 7000 PP § ET \$	0,95	0,93	1,00	0,00	0,26	0,92
#~+C%/2250 7000 PP § ET B3 \$	1,00	1,00	1,00	1,00	0,26	1,00
#~+C%/1500 5000 PP § DALI \$	0,74	0,73	1,00	0,00	0,11	0,69
#~+C%/1500 5000 PP § DALI B3 \$	0,82	0,79	1,00	1,00	0,11	0,77
#~+C%/1500 5000 PP § ET B3 \$	0,78	0,76	1,00	1,00	0,11	0,73
#~+C%/1500 5000 PP § ET \$	0,72	0,69	1,00	0,00	0,11	0,65
#~+C%/2250 10000 PP § DALI \$	0,97	0,96	1,00	0,00	0,51	0,96
#~+C%/2250 10000 PP § DALI B3 \$	1,04	1,03	1,00	1,00	0,51	1,04
#~+C%/2250 10000 PP § ET \$	0,95	0,93	1,00	0,00	0,51	0,92
#~+C%/2250 10000 PP § ET B3 \$	1,00	1,00	1,00	1,00	0,51	1,00
#~+C%/1500 6000 PP § DALI \$	0,74	0,73	1,00	0,00	0,23	0,69
#~+C%/1500 6000 PP § DALI B3 \$	0,82	0,79	1,00	1,00	0,23	0,77
#~+C%/1500 6000 PP § ET \$	0,72	0,69	1,00	0,00	0,23	0,65
#~+C%/1500 6000 PP § ET B3 \$	0,78	0,76	1,00	1,00	0,23	0,73
#~+C%/2250 13000 PP § DALI \$	0,97	0,96	1,00	0,00	1,00	0,96
#~+C%/2250 13000 PP § DALI B3 \$	1,04	1,03	1,00	1,00	1,00	1,04
#~+C%/2250 13000 PP § ET \$	0,95	0,93	1,00	0,00	1,00	0,92
#~+C%/2250 13000 PP § ET B3 \$	1,00	1,00	1,00	1,00	1,00	1,00
#~+C%/1500 9000 XP § DALI \$	0,74	0,73	1,00	0,00	0,46	0,69
#~+C%/1500 9000 XP § DALI B3 \$	0,82	0,79	1,00	1,00	0,46	0,77
#~+C%/1500 9000 XP § ET \$	0,72	0,69	1,00	0,00	0,46	0,65
#~+C%/1500 9000 XP § ET B3 \$	0,78	0,76	1,00	1,00	0,46	0,73
#~+C%/2250 16000 PP § DALI \$	0,97	0,96	1,00	0,00	1,65	0,96
#~+C%/2250 16000 PP § DALI B3 \$	1,04	1,03	1,00	1,00	1,65	1,04
#~+C%/2250 16000 PP § ET \$	0,95	0,93	1,00	0,00	1,65	0,92
#~+C%/2250 16000 PP § ET B3 \$	1,00	1,00	1,00	1,00	1,65	1,00

#~+C%/1500 13000 PP § DALI \$	0,74	0,73	1,00	0,00	1,00	0,69
#~+C%/1500 13000 PP § DALI B3 \$	0,82	0,79	1,00	1,00	1,00	0,77
#~+C%/1500 13000 PP § ET \$	0,72	0,69	1,00	0,00	1,00	0,65
#~+C%/1500 13000 PP § ET B3 \$	0,78	0,76	1,00	1,00	1,00	0,73
#~+C%/2250 19000 PP § DALI \$	0,97	0,96	1,00	0,00	2,25	0,96
#~+C%/2250 19000 PP § DALI B3 \$	1,04	1,03	1,00	1,00	2,25	1,04
#~+C%/2250 19000 PP § ET \$	0,95	0,93	1,00	0,00	2,25	0,92
#~+C%/2250 19000 PP § ET B3 \$	1,00	1,00	1,00	1,00	2,25	1,00
#~+C%/1500 9000 PP § DALI \$	0,74	0,73	1,00	0,00	0,44	0,69
#~+C%/1500 9000 PP § DALI B3 \$	0,82	0,79	1,00	1,00	0,44	0,77
#~+C%/1500 9000 PP § ET \$	0,72	0,69	1,00	0,00	0,44	0,65
#~+C%/1500 9000 PP § ET B3 \$	0,78	0,76	1,00	1,00	0,44	0,73
#~+C%/1500 11000 PP § DALI \$	0,74	0,73	1,00	0,00	0,73	0,69
#~+C%/1500 11000 PP § DALI B3 \$	0,82	0,79	1,00	1,00	0,73	0,77
#~+C%/1500 11000 PP § ET \$	0,72	0,69	1,00	0,00	0,73	0,65
#~+C%/1500 11000 PP § ET B3 \$	0,78	0,76	1,00	1,00	0,73	0,73
#~+C%/1500 14000 PP § DALI \$	0,74	0,73	1,00	0,00	1,31	0,69
#~+C%/1500 14000 PP § DALI B3 \$	0,82	0,79	1,00	1,00	1,31	0,77
#~+C%/1500 14000 PP § ET \$	0,72	0,69	1,00	0,00	1,31	0,65
#~+C%/1500 14000 PP § ET B3 \$	0,78	0,76	1,00	1,00	1,31	0,73
#~+C%/2250 6000 XP § DALI \$	0,97	0,96	1,00	0,00	0,20	0,96
#~+C%/2250 6000 XP § DALI B3 \$	1,04	1,03	1,00	1,00	0,20	1,04
#~+C%/2250 6000 XP § ET \$	0,95	0,93	1,00	0,00	0,20	0,92
#~+C%/2250 6000 XP § ET B3 \$	1,00	1,00	1,00	1,00	0,20	1,00
#~+C%/1500 7000 XP § DALI \$	0,74	0,73	1,00	0,00	0,24	0,69
#~+C%/1500 7000 XP § DALI B3 \$	0,82	0,79	1,00	1,00	0,24	0,77
#~+C%/1500 7000 XP § ET \$	0,72	0,69	1,00	0,00	0,24	0,65
#~+C%/1500 7000 XP § ET B3 \$	0,78	0,76	1,00	1,00	0,24	0,73
#~+C%/2250 10000 XP § DALI \$	0,97	0,96	1,00	0,00	0,54	0,96
#~+C%/2250 10000 XP § DALI B3 \$	1,04	1,03	1,00	1,00	0,54	1,04
#~+C%/2250 10000 XP § ET \$	0,95	0,93	1,00	0,00	0,54	0,92
#~+C%/2250 10000 XP § ET B3 \$	1,00	1,00	1,00	1,00	0,54	1,00
#~+C%/2250 20000 XP § DALI \$	0,97	0,96	1,00	0,00	2,31	0,96
#~+C%/2250 20000 XP § DALI B3 \$	1,04	1,03	1,00	1,00	2,31	1,04
#~+C%/2250 20000 XP § ET \$	0,95	0,93	1,00	0,00	2,31	0,92
#~+C%/2250 20000 XP § ET B3 \$	1,00	1,00	1,00	1,00	2,31	1,00
#~+C%/2250 14000 XP § DALI \$	0,97	0,96	1,00	0,00	1,04	0,96
#~+C%/2250 14000 XP § DALI B3 \$	1,04	1,03	1,00	1,00	1,04	1,04
#~+C%/2250 14000 XP § ET \$	0,95	0,93	1,00	0,00	1,04	0,92
#~+C%/2250 14000 XP § ET B3 \$	1,00	1,00	1,00	1,00	1,04	1,00
#~+C%/1500 11000 XP § DALI \$	0,74	0,73	1,00	0,00	0,76	0,69

#~+C%/1500 11000 XP § DALI B3 \$	0,82	0,79	1,00	1,00	0,76	0,77
#~+C%/1500 11000 XP § ET \$	0,72	0,69	1,00	0,00	0,76	0,65
#~+C%/1500 11000 XP § ET B3 \$	0,78	0,76	1,00	1,00	0,76	0,73
#~+C%/2250 17000 XP § DALI \$	0,97	0,96	1,00	0,00	1,71	0,96
#~+C%/2250 17000 XP § DALI B3 \$	1,04	1,03	1,00	1,00	1,71	1,04
#~+C%/2250 17000 XP § ET \$	0,95	0,93	1,00	0,00	1,71	0,92
#~+C%/2250 17000 XP § ET B3 \$	1,00	1,00	1,00	1,00	1,71	1,00
#~+C%/1500 13000 XP § DALI \$	0,74	0,73	1,00	0,00	1,03	0,69
#~+C%/1500 13000 XP § DALI B3 \$	0,82	0,79	1,00	1,00	1,03	0,77
#~+C%/1500 13000 XP § ET \$	0,72	0,69	1,00	0,00	1,03	0,65
#~+C%/1500 13000 XP § ET B3 \$	0,78	0,76	1,00	1,00	1,03	0,73
#~+C%/2250 21000 PP § DALI \$	0,97	0,96	1,00	0,00	2,96	0,96
#~+C%/2250 21000 PP § DALI B3 \$	1,04	1,03	1,00	1,00	2,96	1,04
#~+C%/2250 21000 PP § ET \$	0,95	0,93	1,00	0,00	2,96	0,92
#~+C%/2250 21000 PP § ET B3 \$	1,00	1,00	1,00	1,00	2,96	1,00
#~+C%/1500 15000 XP § DALI \$	0,74	0,73	1,00	0,00	1,33	0,69
#~+C%/1500 15000 XP § DALI B3 \$	0,82	0,79	1,00	1,00	1,33	0,77
#~+C%/1500 15000 XP § ET \$	0,72	0,69	1,00	0,00	1,33	0,65
#~+C%/1500 15000 XP § ET B3 \$	0,78	0,76	1,00	1,00	1,33	0,73
#~+C%/2250 22000 XP § DALI \$	0,97	0,96	1,00	0,00	3,00	0,96
#~+C%/2250 22000 XP § DALI B3 \$	1,04	1,03	1,00	1,00	3,00	1,04
#~+C%/2250 22000 XP § ET \$	0,95	0,93	1,00	0,00	3,00	0,92
#~+C%/2250 22000 XP § ET B3 \$	1,00	1,00	1,00	1,00	3,00	1,00
#~+C%/1500 4000 XP § DALI \$	0,74	0,73	1,00	0,00	0,09	0,69
#~+C%/1500 4000 XP § DALI B3 \$	0,82	0,79	1,00	1,00	0,09	0,77
#~+C%/1500 4000 XP § ET \$	0,72	0,69	1,00	0,00	0,09	0,65
#~+C%/1500 4000 XP § ET B3 \$	0,78	0,76	1,00	1,00	0,09	0,73
#~+C%/2250 19300 PP § DALI \$	0,97	0,96	1,00	0,00	2,27	0,96
#~+C%/2250 19300 PP § ET \$	0,95	0,93	1,00	0,00	2,27	0,92
#~+C%/2250 19300 PP § DALI B3 \$	1,04	1,03	1,00	1,00	2,27	1,04
#~+C%/2250 19300 PP § ET B3 \$	1,00	1,00	1,00	1,00	2,27	1,00
#~+C%/1500 80-40 EP § ETM \$	0,71	0,69	1,00	0,00	0,44	0,65
#~+C%/1500 80-40 EP § ETM B3 \$	0,77	0,76	1,00	1,00	0,44	0,73
#~+C%/1500 80-40 PP § ETM \$	0,71	0,69	1,00	0,00	0,44	0,65
#~+C%/1500 80-40 PP § ETM B3 \$	0,77	0,76	1,00	1,00	0,44	0,73
#~+C%/1500 90-40 PP § ETM \$	0,71	0,69	1,00	0,00	0,44	0,65
#~+C%/1500 90-40 PP § ETM B3 \$	0,77	0,76	1,00	1,00	0,44	0,73
#~+C%/1500 90-40 XP § ETM \$	0,71	0,69	1,00	0,00	0,46	0,65
#~+C%/1500 90-40 XP § ETM B3 \$	0,77	0,76	1,00	1,00	0,46	0,73
#~+C%/1500 130-80 EP § ETM \$	0,71	0,69	1,00	0,00	1,24	0,65
#~+C%/1500 130-80 EP § ETM B3 \$	0,77	0,76	1,00	1,00	1,24	0,73

#~+C%/1500 140-90 PP § ETM \$	0,71	0,69	1,00	0,00	1,31	0,65
#~+C%/1500 140-90 PP § ETM B3 \$	0,77	0,76	1,00	1,00	1,31	0,73
#~+C%/1500 140-90 § ETM \$	0,71	0,69	1,00	0,00	1,31	0,65
#~+C%/1500 140-90 § ETM B3 \$	0,77	0,76	1,00	1,00	1,31	0,73
#~+C%/1500 150-90 XP § ETM \$	0,71	0,69	1,00	0,00	1,33	0,65
#~+C%/1500 150-90 XP § ETM B3 \$	0,77	0,76	1,00	1,00	1,33	0,73
#~+O%/1500 80-40 § ETM \$	0,71	0,65	1,00	0,00	0,37	0,60
#~+O%/1500 80-40 § ETM B3 \$	0,76	0,72	1,00	1,00	0,37	0,68
#~+O%/1500 90-50 § ETM \$	0,71	0,65	1,00	0,00	0,41	0,60
#~+O%/1500 90-50 § ETM B3 \$	0,76	0,72	1,00	1,00	0,41	0,68
#~+O%/1500 120-90 § ETM \$	0,71	0,65	1,00	0,00	0,82	0,60
#~+O%/1500 120-90 § ETM B3 \$	0,76	0,72	1,00	1,00	0,82	0,68
#M+O%/1500 5000 § ET \$	0,75	0,72	1,00	0,00	0,13	0,68
#M+O%/1500 5000 § ET B3 \$	0,81	0,79	1,00	1,00	0,13	0,76
#M+O%/1500 5000 § DALI \$	0,75	0,72	1,00	0,00	0,13	0,68
#M+O%/1500 5000 § DALI B3 \$	0,80	0,79	1,00	1,00	0,13	0,76
#M+O%/1500 7000 § ET \$	0,75	0,72	1,00	0,00	0,26	0,68
#M+O%/1500 7000 § ET B3 \$	0,81	0,79	1,00	1,00	0,26	0,76
#M+O%/1500 7000 § DALI \$	0,75	0,72	1,00	0,00	0,26	0,68
#M+O%/1500 7000 § DALI B3 \$	0,80	0,79	1,00	1,00	0,26	0,76
#M+O%/1500 9000 § ET \$	0,75	0,72	1,00	0,00	0,43	0,68
#M+O%/1500 9000 § ET B3 \$	0,81	0,79	1,00	1,00	0,43	0,76
#M+O%/1500 9000 § DALI \$	0,75	0,72	1,00	0,00	0,43	0,68
#M+O%/1500 9000 § DALI B3 \$	0,80	0,79	1,00	1,00	0,43	0,76
#M+O%/2250 10000 § ET \$	1,00	0,96	1,00	0,00	0,43	0,95
#M+O%/2250 10000 § ET B3 \$	1,04	1,03	1,00	1,00	0,43	1,03
#M+O%/2250 10000 § DALI \$	1,00	0,95	1,00	0,00	0,43	0,95
#M+O%/2250 10000 § DALI B3 \$	1,04	1,02	1,00	1,00	0,43	1,03
#M+O%/2250 13000 § ET \$	1,00	0,96	1,00	0,00	0,76	0,95
#M+O%/2250 13000 § ET B3 \$	1,04	1,03	1,00	1,00	0,76	1,03
#M+O%/2250 13000 § DALI \$	1,00	0,95	1,00	0,00	0,76	0,95
#M+O%/2250 13000 § DALI B3 \$	1,04	1,02	1,00	1,00	0,76	1,03
#M+O%/2250 15000 § ET \$	1,00	0,96	1,00	0,00	1,18	0,95
#M+O%/2250 15000 § ET B3 \$	1,04	1,03	1,00	1,00	1,18	1,03
#M+O%/2250 15000 § DALI \$	1,00	0,95	1,00	0,00	1,18	0,95
#M+O%/2250 15000 § DALI B3 \$	1,04	1,02	1,00	1,00	1,18	1,03

Lumen output of each product variant and other important properties are listed in the table below.

Table 16: Information about the product family

Product Code	Weight of structural/mechanical parts	Weight of power equipment	Weight of light source	Weight of light management system	Weight of product (excl. packaging)	Weight of packaging	Typical power consumption	Lumen output	Weight of product (incl. packaging)	Lifetime
#~+C%/2250 7000 EP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	36,7	6520	4,8	100000
#~+C%/2250 7000 EP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	36,7	6520	5,14	100000
#~+C%/2250 7000 EP § ET \$	3,26	0,66	0,14	0	4,06	0,58	36,7	6520	4,64	100000
#~+C%/2250 7000 EP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	36,7	6520	4,98	100000
#~+C%/1500 6000 EP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	35,4	6089	3,611	100000
#~+C%/1500 6000 EP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	35,4	6089	3,951	100000
#~+C%/1500 6000 EP § ET \$	2,241	0,53	0,1	0	2,871	0,58	35,4	6089	3,451	100000
#~+C%/1500 6000 EP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	35,4	6089	3,791	100000
#~+C%/2250 9000 EP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	53,1	9133	4,8	100000
#~+C%/2250 9000 EP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	53,1	9133	5,14	100000
#~+C%/2250 9000 EP § ET \$	3,26	0,66	0,14	0	4,06	0,58	53,1	9133	4,64	100000
#~+C%/2250 9000 EP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	53,1	9133	4,98	100000
#~+C%/1500 8000 EP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	50,3	8301	3,611	100000
#~+C%/1500 8000 EP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	50,3	8301	3,951	100000
#~+C%/1500 8000 EP § ET \$	2,241	0,53	0,1	0	2,871	0,58	50,3	8301	3,451	100000
#~+C%/1500 8000 EP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	50,3	8301	3,791	100000
#~+C%/2250 12000 EP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	75,5	12451	4,8	100000
#~+C%/2250 12000 EP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	75,5	12451	5,14	100000
#~+C%/2250 12000 EP § ET \$	3,26	0,66	0,14	0	4,06	0,58	75,5	12451	4,64	100000
#~+C%/2250 12000 EP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	75,5	12451	4,98	100000
#~+C%/1500 10000 EP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	65,6	10386	3,611	100000
#~+C%/1500 10000 EP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	65,6	10386	3,951	100000
#~+C%/1500 10000 EP § ET \$	2,241	0,53	0,1	0	2,871	0,58	65,6	10386	3,451	100000
#~+C%/1500 10000 EP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	65,6	10386	3,791	100000
#~+C%/2250 16000 EP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	98,5	15580	4,8	100000
#~+C%/2250 16000 EP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	98,5	15580	5,14	100000
#~+C%/2250 16000 EP § ET \$	3,26	0,66	0,14	0	4,06	0,58	98,5	15580	4,64	100000
#~+C%/2250 16000 EP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	98,5	15580	4,98	100000
#~+C%/1500 12000 EP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	77,3	11870	3,611	100000
#~+C%/1500 12000 EP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	77,3	11870	3,951	100000
#~+C%/1500 12000 EP § ET \$	2,241	0,53	0,1	0	2,871	0,58	77,3	11870	3,451	100000
#~+C%/1500 12000 EP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	77,3	11870	3,791	100000
#~+C%/2250 18000 EP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	115,9	17806	4,8	100000
#~+C%/2250 18000 EP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	115,9	17806	5,14	100000
#~+C%/2250 18000 EP § ET \$	3,26	0,66	0,14	0	4,06	0,58	115,9	17806	4,64	100000
#~+C%/2250 18000 EP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	115,9	17806	4,98	100000

#~+C%/1500 13000 EP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	89,1	13287	3,611	100000
#~+C%/1500 13000 EP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	89,1	13287	3,951	100000
#~+C%/1500 13000 EP § ET \$	2,241	0,53	0,1	0	2,871	0,58	89,1	13287	3,451	100000
#~+C%/1500 13000 EP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	89,1	13287	3,791	100000
#~+C%/2250 20000 EP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	133,6	19931	4,8	100000
#~+C%/2250 20000 EP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	133,6	19931	5,14	100000
#~+C%/2250 20000 EP § ET \$	3,26	0,66	0,14	0	4,06	0,58	133,6	19931	4,64	100000
#~+C%/2250 20000 EP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	133,6	19931	4,98	100000
#~+C%/1500 4000 EP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	24,5	4346	3,611	100000
#~+C%/1500 4000 EP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	24,5	4346	3,951	100000
#~+C%/1500 4000 EP § ET \$	2,241	0,53	0,1	0	2,871	0,58	24,5	4346	3,451	100000
#~+C%/1500 4000 EP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	24,5	4346	3,791	100000
#~+O%/1500 4000 § DALI \$	2,005	0,67	0,19	0	2,865	0,58	25,7	4389	3,445	80000
#~+O%/1500 4000 § DALI B3 \$	2,005	1,01	0,19	0	3,205	0,58	25,7	4389	3,785	80000
#~+O%/1500 4000 § ET \$	2,005	0,47	0,19	0	2,665	0,58	25,7	4389	3,245	80000
#~+O%/1500 4000 § ET B3 \$	2,005	0,81	0,19	0	3,005	0,58	25,7	4389	3,585	80000
#~+O%/1500 6000 § DALI \$	2,005	0,67	0,19	0	2,865	0,58	37,4	6074	3,445	80000
#~+O%/1500 6000 § DALI B3 \$	2,005	1,01	0,19	0	3,205	0,58	37,4	6074	3,785	80000
#~+O%/1500 6000 § ET \$	2,005	0,47	0,19	0	2,665	0,58	37,4	6074	3,245	80000
#~+O%/1500 6000 § ET B3 \$	2,005	0,81	0,19	0	3,005	0,58	37,4	6074	3,585	80000
#~+O%/1500 8000 § DALI \$	2,005	0,67	0,19	0	2,865	0,58	53,1	8196	3,445	80000
#~+O%/1500 8000 § DALI B3 \$	2,005	1,01	0,19	0	3,205	0,58	53,1	8196	3,785	80000
#~+O%/1500 8000 § ET \$	2,005	0,47	0,19	0	2,665	0,58	53,1	8196	3,245	80000
#~+O%/1500 8000 § ET B3 \$	2,005	0,81	0,19	0	3,005	0,58	53,1	8196	3,585	80000
#~+O%/1500 10000 § DALI \$	2,005	0,67	0,19	0	2,865	0,58	69,8	10193	3,445	80000
#~+O%/1500 10000 § DALI B3 \$	2,005	1,01	0,19	0	3,205	0,58	69,8	10193	3,785	80000
#~+O%/1500 10000 § ET \$	2,005	0,47	0,19	0	2,665	0,58	69,8	10193	3,245	80000
#~+O%/1500 10000 § ET B3 \$	2,005	0,81	0,19	0	3,005	0,58	69,8	10193	3,585	80000
#~+O%/2250 7000 § DALI \$	2,574	0,62	0,29	0	3,484	0,58	38,6	7160	4,064	80000
#~+O%/2250 7000 § DALI B3 \$	2,574	0,98	0,29	0	3,844	0,58	38,6	7160	4,424	80000
#~+O%/2250 7000 § ET \$	2,574	0,48	0,29	0	3,344	0,58	38,6	7160	3,924	80000
#~+O%/2250 7000 § ET B3 \$	2,574	0,82	0,29	0	3,684	0,58	38,6	7160	4,264	80000
#~+O%/2250 10000 § DALI \$	2,574	0,62	0,29	0	3,484	0,58	55,7	10098	4,064	80000
#~+O%/2250 10000 § DALI B3 \$	2,574	0,98	0,29	0	3,844	0,58	55,7	10098	4,424	80000
#~+O%/2250 10000 § ET \$	2,574	0,48	0,29	0	3,344	0,58	55,7	10098	3,924	80000
#~+O%/2250 10000 § ET B3 \$	2,574	0,82	0,29	0	3,684	0,58	55,7	10098	4,264	80000
#~+O%/1500 9000 § DALI \$	2,005	0,67	0,19	0	2,865	0,58	52,6	9244	3,445	80000
#~+O%/1500 9000 § DALI B3 \$	2,005	1,01	0,19	0	3,205	0,58	52,6	9244	3,785	80000
#~+O%/1500 9000 § ET \$	2,005	0,47	0,19	0	2,665	0,58	52,6	9244	3,245	80000

#~+O%/1500 9000 § ET B3 \$	2,005	0,81	0,19	0	3,005	0,58	52,6	9244	3,585	80000
#~+O%/2250 14000 § DALI \$	2,574	0,62	0,29	0	3,484	0,58	78,9	13865	4,064	80000
#~+O%/2250 14000 § DALI B3 \$	2,574	0,98	0,29	0	3,844	0,58	78,9	13865	4,424	80000
#~+O%/2250 14000 § ET \$	2,574	0,48	0,29	0	3,344	0,58	78,9	13865	3,924	80000
#~+O%/2250 14000 § ET B3 \$	2,574	0,82	0,29	0	3,684	0,58	78,9	13865	4,264	80000
#~+O%/1500 12000 § DALI \$	2,005	0,67	0,19	0	2,865	0,58	68,4	11639	3,445	80000
#~+O%/1500 12000 § DALI B3 \$	2,005	1,01	0,19	0	3,205	0,58	68,4	11639	3,785	80000
#~+O%/1500 12000 § ET \$	2,005	0,47	0,19	0	2,665	0,58	68,4	11639	3,245	80000
#~+O%/1500 12000 § ET B3 \$	2,005	0,81	0,19	0	3,005	0,58	68,4	11639	3,585	80000
#~+O%/2250 19000 § DALI \$	2,574	0,62	0,29	0	3,484	0,58	114,6	19189	4,064	80000
#~+O%/2250 19000 § DALI B3 \$	2,574	0,98	0,29	0	3,844	0,58	114,6	19189	4,424	80000
#~+O%/2250 19000 § ET \$	2,574	0,48	0,29	0	3,344	0,58	114,6	19189	3,924	80000
#~+O%/2250 19000 § ET B3 \$	2,574	0,82	0,29	0	3,684	0,58	114,6	19189	4,264	80000
#~+C%/2250 7000 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	35,7	6893	4,8	100000
#~+C%/2250 7000 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	35,7	6893	5,14	100000
#~+C%/2250 7000 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	35,7	6893	4,64	100000
#~+C%/2250 7000 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	35,7	6893	4,98	100000
#~+C%/1500 5000 PP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	23,8	4595	3,611	100000
#~+C%/1500 5000 PP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	23,8	4595	3,951	100000
#~+C%/1500 5000 PP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	23,8	4595	3,791	100000
#~+C%/1500 5000 PP § ET \$	2,241	0,53	0,1	0	2,871	0,58	23,8	4595	3,451	100000
#~+C%/2250 10000 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	51,7	9505	4,8	100000
#~+C%/2250 10000 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	51,7	9505	5,14	100000
#~+C%/2250 10000 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	51,7	9505	4,64	100000
#~+C%/2250 10000 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	51,7	9505	4,98	100000
#~+C%/1500 6000 PP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	34,4	6337	3,611	100000
#~+C%/1500 6000 PP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	34,4	6337	3,951	100000
#~+C%/1500 6000 PP § ET \$	2,241	0,53	0,1	0	2,871	0,58	34,4	6337	3,451	100000
#~+C%/1500 6000 PP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	34,4	6337	3,791	100000
#~+C%/2250 13000 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	73,6	12956	4,8	100000
#~+C%/2250 13000 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	73,6	12956	5,14	100000
#~+C%/2250 13000 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	73,6	12956	4,64	100000
#~+C%/2250 13000 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	73,6	12956	4,98	100000
#~+C%/1500 9000 XP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	49,1	9020	3,611	100000
#~+C%/1500 9000 XP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	49,1	9020	3,951	100000
#~+C%/1500 9000 XP § ET \$	2,241	0,53	0,1	0	2,871	0,58	49,1	9020	3,451	100000
#~+C%/1500 9000 XP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	49,1	9020	3,791	100000
#~+C%/2250 16000 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	96,3	16369	4,8	100000
#~+C%/2250 16000 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	96,3	16369	5,14	100000

#~+C%/2250 16000 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	96,3	16369	4,64	100000
#~+C%/2250 16000 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	96,3	16369	4,98	100000
#~+C%/1500 13000 PP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	75,8	12603	3,611	100000
#~+C%/1500 13000 PP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	75,8	12603	3,951	100000
#~+C%/1500 13000 PP § ET \$	2,241	0,53	0,1	0	2,871	0,58	75,8	12603	3,451	100000
#~+C%/1500 13000 PP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	75,8	12603	3,791	100000
#~+C%/2250 19000 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	113,8	18904	4,8	100000
#~+C%/2250 19000 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	113,8	18904	5,14	100000
#~+C%/2250 19000 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	113,8	18904	4,64	100000
#~+C%/2250 19000 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	113,8	18904	4,98	100000
#~+C%/1500 9000 PP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	49,1	8637	3,611	100000
#~+C%/1500 9000 PP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	49,1	8637	3,951	100000
#~+C%/1500 9000 PP § ET \$	2,241	0,53	0,1	0	2,871	0,58	49,1	8637	3,451	100000
#~+C%/1500 9000 PP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	49,1	8637	3,791	100000
#~+C%/1500 11000 PP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	64,2	10913	3,611	100000
#~+C%/1500 11000 PP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	64,2	10913	3,951	100000
#~+C%/1500 11000 PP § ET \$	2,241	0,53	0,1	0	2,871	0,58	64,2	10913	3,451	100000
#~+C%/1500 11000 PP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	64,2	10913	3,791	100000
#~+C%/1500 14000 PP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	87,8	14279	3,611	100000
#~+C%/1500 14000 PP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	87,8	14279	3,951	100000
#~+C%/1500 14000 PP § ET \$	2,241	0,53	0,1	0	2,871	0,58	87,8	14279	3,451	100000
#~+C%/1500 14000 PP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	87,8	14279	3,791	100000
#~+C%/2250 6000 XP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	30,7	6165	4,8	100000
#~+C%/2250 6000 XP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	30,7	6165	5,14	100000
#~+C%/2250 6000 XP § ET \$	3,26	0,66	0,14	0	4,06	0,58	30,7	6165	4,64	100000
#~+C%/2250 6000 XP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	30,7	6165	4,98	100000
#~+C%/1500 7000 XP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	34,6	6606	3,611	100000
#~+C%/1500 7000 XP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	34,6	6606	3,951	100000
#~+C%/1500 7000 XP § ET \$	2,241	0,53	0,1	0	2,871	0,58	34,6	6606	3,451	100000
#~+C%/1500 7000 XP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	34,6	6606	3,791	100000
#~+C%/2250 10000 XP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	51,9	9910	4,8	100000
#~+C%/2250 10000 XP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	51,9	9910	5,14	100000
#~+C%/2250 10000 XP § ET \$	3,26	0,66	0,14	0	4,06	0,58	51,9	9910	4,64	100000
#~+C%/2250 10000 XP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	51,9	9910	4,98	100000
#~+C%/2250 20000 XP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	112,7	19559	4,8	100000
#~+C%/2250 20000 XP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	112,7	19559	5,14	100000
#~+C%/2250 20000 XP § ET \$	3,26	0,66	0,14	0	4,06	0,58	112,7	19559	4,64	100000
#~+C%/2250 20000 XP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	112,7	19559	4,98	100000
#~+C%/2250 14000 XP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	73,6	13530	4,8	100000

#~+C%/2250 14000 XP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	73,6	13530	5,14	100000
#~+C%/2250 14000 XP § ET \$	3,26	0,66	0,14	0	4,06	0,58	73,6	13530	4,64	100000
#~+C%/2250 14000 XP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	73,6	13530	4,98	100000
#~+C%/1500 11000 XP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	63,9	11348	3,611	100000
#~+C%/1500 11000 XP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	63,9	11348	3,951	100000
#~+C%/1500 11000 XP § ET \$	2,241	0,53	0,1	0	2,871	0,58	63,9	11348	3,451	100000
#~+C%/1500 11000 XP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	63,9	11348	3,791	100000
#~+C%/2250 17000 XP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	95,8	17022	4,8	100000
#~+C%/2250 17000 XP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	95,8	17022	5,14	100000
#~+C%/2250 17000 XP § ET \$	3,26	0,66	0,14	0	4,06	0,58	95,8	17022	4,64	100000
#~+C%/2250 17000 XP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	95,8	17022	4,98	100000
#~+C%/1500 13000 XP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	75,1	13039	3,611	100000
#~+C%/1500 13000 XP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	75,1	13039	3,951	100000
#~+C%/1500 13000 XP § ET \$	2,241	0,53	0,1	0	2,871	0,58	75,1	13039	3,451	100000
#~+C%/1500 13000 XP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	75,1	13039	3,791	100000
#~+C%/2250 21000 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	131,7	21418	4,8	100000
#~+C%/2250 21000 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	131,7	21418	5,14	100000
#~+C%/2250 21000 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	131,7	21418	4,64	100000
#~+C%/2250 21000 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	131,7	21418	4,98	100000
#~+C%/1500 15000 XP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	86,5	14684	3,611	100000
#~+C%/1500 15000 XP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	86,5	14684	3,951	100000
#~+C%/1500 15000 XP § ET \$	2,241	0,53	0,1	0	2,871	0,58	86,5	14684	3,451	100000
#~+C%/1500 15000 XP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	86,5	14684	3,791	100000
#~+C%/2250 22000 XP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	129,8	22026	4,8	100000
#~+C%/2250 22000 XP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	129,8	22026	5,14	100000
#~+C%/2250 22000 XP § ET \$	3,26	0,66	0,14	0	4,06	0,58	129,8	22026	4,64	100000
#~+C%/2250 22000 XP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	129,8	22026	4,98	100000
#~+C%/1500 4000 XP § DALI \$	2,241	0,69	0,1	0	3,031	0,58	20,5	4110	3,611	100000
#~+C%/1500 4000 XP § DALI B3 \$	2,241	1,03	0,1	0	3,371	0,58	20,5	4110	3,951	100000
#~+C%/1500 4000 XP § ET \$	2,241	0,53	0,1	0	2,871	0,58	20,5	4110	3,451	100000
#~+C%/1500 4000 XP § ET B3 \$	2,241	0,87	0,1	0	3,211	0,58	20,5	4110	3,791	100000
#~+C%/2250 19300 PP § DALI \$	3,26	0,82	0,14	0	4,22	0,58	112,8	19190	4,8	100000
#~+C%/2250 19300 PP § ET \$	3,26	0,66	0,14	0	4,06	0,58	112,8	19190	4,64	100000
#~+C%/2250 19300 PP § DALI B3 \$	3,26	1,16	0,14	0	4,56	0,58	112,8	19190	5,14	100000
#~+C%/2250 19300 PP § ET B3 \$	3,26	1	0,14	0	4,4	0,58	112,8	19190	4,98	100000
#~+C%/1500 80-40 EP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	50,3	8301	3,433	100000
#~+C%/1500 80-40 EP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	50,3	8301	3,773	100000
#~+C%/1500 80-40 PP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	49,1	8637	3,433	100000
#~+C%/1500 80-40 PP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	49,1	8637	3,773	100000

#~+C%/1500 90-40 PP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	49,1	8637	3,433	100000
#~+C%/1500 90-40 PP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	49,1	8637	3,773	100000
#~+C%/1500 90-40 XP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	49,1	9020	3,433	100000
#~+C%/1500 90-40 XP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	49,1	9020	3,773	100000
#~+C%/1500 130-80 EP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	89,1	13287	3,433	100000
#~+C%/1500 130-80 EP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	89,1	13287	3,773	100000
#~+C%/1500 140-90 PP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	87,8	14279	3,433	100000
#~+C%/1500 140-90 PP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	87,8	14279	3,773	100000
#~+C%/1500 140-90 § ETM \$	2,241	0,512	0,1	0	2,853	0,58	87,8	14279	3,433	100000
#~+C%/1500 140-90 § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	87,8	14279	3,773	100000
#~+C%/1500 150-90 XP § ETM \$	2,241	0,512	0,1	0	2,853	0,58	86,5	14684	3,433	100000
#~+C%/1500 150-90 XP § ETM B3 \$	2,241	0,852	0,1	0	3,193	0,58	86,5	14684	3,773	100000
#~+O%/1500 80-40 § ETM \$	2,005	0,452	0,19	0	2,647	0,58	53,1	8196	3,227	80000
#~+O%/1500 80-40 § ETM B3 \$	2,005	0,792	0,19	0	2,987	0,58	53,1	8196	3,567	80000
#~+O%/1500 90-50 § ETM \$	2,005	0,452	0,19	0	2,647	0,58	52,6	9244	3,227	80000
#~+O%/1500 90-50 § ETM B3 \$	2,005	0,792	0,19	0	2,987	0,58	52,6	9244	3,567	80000
#~+O%/1500 120-90 § ETM \$	2,005	0,452	0,19	0	2,647	0,58	76,4	12793	3,227	80000
#~+O%/1500 120-90 § ETM B3 \$	2,005	0,792	0,19	0	2,987	0,58	76,4	12793	3,567	80000
#M+O%/1500 5000 § ET \$	2,326	0,523	0,16	0	3,009	0,58	29,7	5386	3,589	80000
#M+O%/1500 5000 § ET B3 \$	2,326	0,863	0,16	0	3,349	0,58	29,7	5386	3,929	80000
#M+O%/1500 5000 § DALI \$	2,326	0,513	0,16	0	2,999	0,58	29,7	5386	3,579	80000
#M+O%/1500 5000 § DALI B3 \$	2,326	0,853	0,16	0	3,339	0,58	29,7	5386	3,919	80000
#M+O%/1500 7000 § ET \$	2,326	0,523	0,16	0	3,009	0,58	42,1	7395	3,589	80000
#M+O%/1500 7000 § ET B3 \$	2,326	0,863	0,16	0	3,349	0,58	42,1	7395	3,929	80000
#M+O%/1500 7000 § DALI \$	2,326	0,513	0,16	0	2,999	0,58	42,1	7395	3,579	80000
#M+O%/1500 7000 § DALI B3 \$	2,326	0,853	0,16	0	3,339	0,58	42,1	7395	3,919	80000
#M+O%/1500 9000 § ET \$	2,326	0,523	0,16	0	3,009	0,58	54,7	9311	3,589	80000
#M+O%/1500 9000 § ET B3 \$	2,326	0,863	0,16	0	3,349	0,58	54,7	9311	3,929	80000
#M+O%/1500 9000 § DALI \$	2,326	0,513	0,16	0	2,999	0,58	54,7	9311	3,579	80000
#M+O%/1500 9000 § DALI B3 \$	2,326	0,853	0,16	0	3,339	0,58	54,7	9311	3,919	80000
#M+O%/2250 10000 § ET \$	3,313	0,627	0,245	0	4,185	0,58	53,8	9603	4,765	80000
#M+O%/2250 10000 § ET B3 \$	3,313	0,967	0,245	0	4,525	0,58	53,8	9603	5,105	80000
#M+O%/2250 10000 § DALI \$	3,313	0,617	0,245	0	4,175	0,58	53,8	9603	4,755	80000
#M+O%/2250 10000 § DALI B3 \$	3,313	0,957	0,245	0	4,515	0,58	53,8	9603	5,095	80000
#M+O%/2250 13000 § ET \$	3,313	0,627	0,245	0	4,185	0,58	72,5	12547	4,765	80000
#M+O%/2250 13000 § ET B3 \$	3,313	0,967	0,245	0	4,525	0,58	72,5	12547	5,105	80000
#M+O%/2250 13000 § DALI \$	3,313	0,617	0,245	0	4,175	0,58	72,5	12547	4,755	80000
#M+O%/2250 13000 § DALI B3 \$	3,313	0,957	0,245	0	4,515	0,58	72,5	12547	5,095	80000
#M+O%/2250 15000 § ET \$	3,313	0,627	0,245	0	4,185	0,58	91,7	15352	4,765	80000

#M+0%/2250 15000 § ET B3 \$	3,313	0,967	0,245	0	4,525	0,58	91,7	15352	5,105	80000
#M+0%/2250 15000 § DALI \$	3,313	0,617	0,245	0	4,175	0,58	91,7	15352	4,755	80000
#M+0%/2250 15000 § DALI B3 \$	3,313	0,957	0,245	0	4,515	0,58	91,7	15352	5,095	80000

Annex

Indicator	Acronym [Unit]
Renewable primary energy (without raw material)	PERE [MJ]
Renewable primary energy (raw material)	PERM [MJ]
Total use of renewable primary energy	PERT [MJ]
Non-renewable primary energy (without raw material)	PENRE [MJ]
Non-renewable primary energy (raw material)	PENRM [MJ]
Total use of non-renewable primary energy	PENRT [MJ]
Use of secondary materials	SM [kg]
Use of renewable secondary fuels	RSF [MJ]
Use of non-renewable secondary fuels	NRSF [MJ]
Net use of fresh water	FW [m3]
Hazardous waste disposed	HWD [kg]
Non-hazardous waste disposed	NHWD [kg]
Radioactive waste disposed	RWD [kg]
Components for reuse	CRU [kg]
Materials for recycling	MFR [kg]
Materials for energy recovery	MER [kg]
Exported electricity	EEE [MJ]
Exported thermal energy	EET [MJ]
Biogenic carbon content of the product	Biog. C in product [kg]
Biogenic carbon content of the associated packaging	Biog. C in packaging [kg]
Global Warming Potential, total	GWP - total [kg CO2 eq.]
Global Warming Potential, fossil	GWP - fossil [kg CO2 eq.]
Global Warming Potential, biogenic	GWP - biogenic [kg CO2 eq.]
Global Warming Potential, land use and land use change	GWP - luluc [kg CO2 eq.]
Ozone depletion	ODP [kg CFC-11 eq.]
Acidification	AP [Mole of H+ eq.]
Eutrophication, freshwater	EP - freshwater [kg P eq.]
Eutrophication, marine	EP - marine [kg N eq.]
Eutrophication, terrestrial	EP - terrestrial [Mole of N eq.]
Photochemical ozone formation, human health	POCP [kg NMVOC eq.]
Resource use, mineral and metals	ADPE [kg Sb eq.]
Resource use, fossils	ADPF [MJ]
Water use	WDP [m ³ world equiv.]