

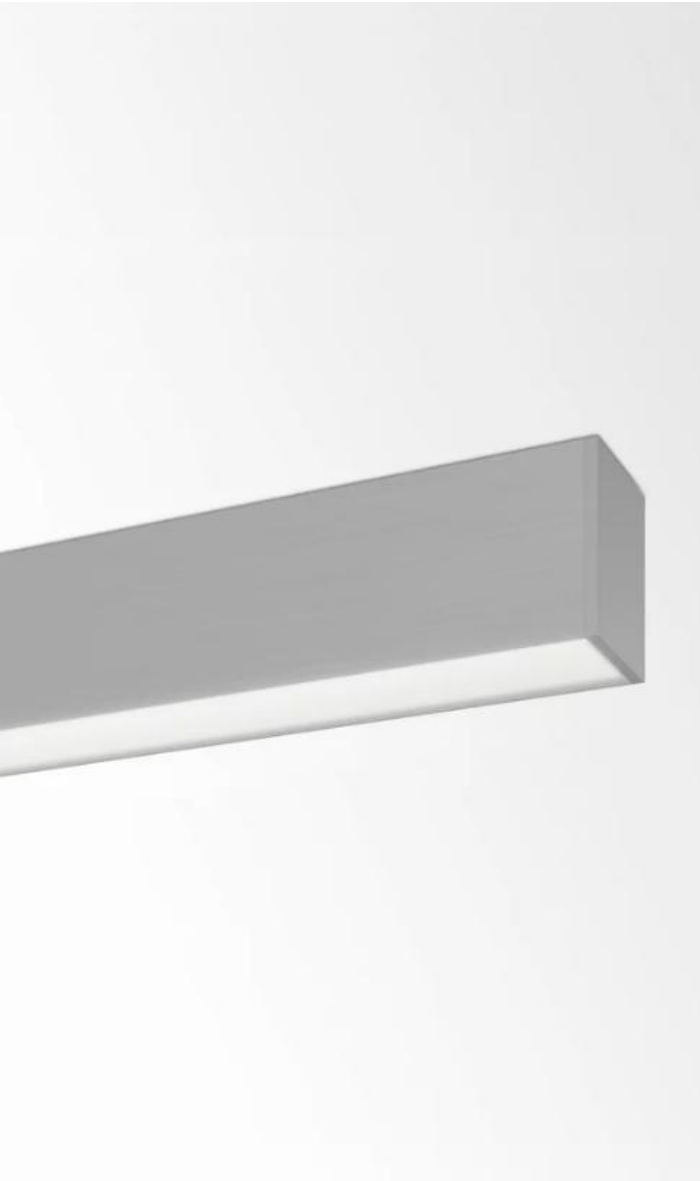
ENVIRONMENTAL PRODUCT DECLARATION

IN ACCORDANCE WITH EN 15804+A2 & ISO 14025

OML50 S - PROFILE with 31019 XXX0 module, cover and end caps

OMNILINER

Delta Light nv



EPD HUB, HUB-3652

Publishing date 18 July 2025, last updated on 18 July 2025, valid until 17 July 2030.

Life Cycle Assessment study has been performed in accordance with the requirements of EN 15804, EPD Hub PCR version 1.1 (5 Dec 2023) and JRC characterization factors EF 3.1.

GENERAL INFORMATION

MANUFACTURER

Manufacturer	Delta Light nv
Address	Muizelstraat 2, 8560 Wevelgem, Belgium
Contact details	Sustainability@deltalight.com
Website	www.deltalight.com

EPD STANDARDS, SCOPE AND VERIFICATION

Program operator	EPD Hub, hub@epdhub.com
Reference standard	EN 15804+A2:2019 and ISO 14025
PCR	EPD Hub Core PCR version 1.1, 5 Dec 2023 c-PCR EN 50693 for electronic and electrical products and systems
Sector	Electrical product
Category of EPD	Third party verified EPD
Parent EPD number	-
Scope of the EPD	Cradle to gate with options, A4-A5, B6, and modules C1-C4, D
EPD author	Tim Blomme
EPD verification	Independent verification of this EPD and data, according to ISO 14025: ☐ Internal verification ☒ External verification
EPD verifier	Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited

This EPD is intended for business-to-business and/or business-to-consumer communication. The manufacturer has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804 and if they are not compared in a building context.

PRODUCT

Product name	OMNILINER
Additional labels	-
Product reference	31019 XXX5 in combination with 1m profile + PC 31000 0000 and 2 end caps 31000 0310
Place(s) of raw material origin	EU, Asia
Place of production	Delta Light N.V., Muizelstraat 2, 8560 Belgium
Place(s) of installation and use	Worldwide
Period for data	FY2024
Averaging in EPD	No averaging
Variation in GWP-fossil for A1-A3 (%)	-
GTIN (Global Trade Item Number)	-
NOBB (Norwegian Building Product Database)	-

ENVIRONMENTAL DATA SUMMARY

Declared unit	1 unit of luminaire
Declared unit mass	2,446 kg
GWP-fossil, A1-A3 (kgCO ₂ e)	3,63E+01
GWP-total, A1-A3 (kgCO ₂ e)	3,45E+01
Secondary material, inputs (%)	43,4
Secondary material, outputs (%)	71
Total energy use, A1-A3 (kWh)	141
Net freshwater use, A1-A3 (m ³)	0,32

PRODUCT AND MANUFACTURER

ABOUT THE MANUFACTURER

Belgian and family-run since 1989, Delta Light provides premium lighting solutions for architecture. Quality products, designed for comfort and developed to last, that stand for simplicity and consistency but also show unexpected detail, from a visible screw to an ingenious touch. Because in everything Delta Light does, at project start or follow-up, we always seek to add a little extra care — and work with our partners, to guarantee we can bring their visions to completion.

PRODUCT DESCRIPTION

When it comes to a complete lighting set with a strong accent on visual comfort, Omniliner is an ideal choice. It is an exceptionally agile single profile lighting solution with linear down- and uplights and the option to mount spotlights at the top of the profile. The customizable profile can be shaped into a wide variety of angles and curves for maximum flexibility when tailoring general, task or accent lighting designs for office and retail environments.

Specifications about the representative product: architectural linear lighting solution. The LCA is performed on 1m of profile, 1m of PC cover and the 984mm LED module included in the profile. IP20 classification, class I (including power supply). Luminaire power up to 19W with LEDboard. Length 1000mm, width of 50 and height of the profile 81mm. Materials used are Aluminium for the profile, end caps and inner profile for the LED module, PC for the cover and optics. INOX for fastening materials and clips.

Further information can be found at www.deltalight.com

PRODUCT RAW MATERIAL MAIN COMPOSITION

Raw material category	Amount, mass %	Material origin
Metals	83	Asia, EU
Minerals	0	-
Fossil materials	10	Asia, EU
Bio-based materials	0	-

BIOGENIC CARBON CONTENT

Product's biogenic carbon content at the factory gate

Biogenic carbon content in product, kg C	0
Biogenic carbon content in packaging, kg C	0,53

FUNCTIONAL UNIT AND SERVICE LIFE

Declared unit	1 unit of luminaire
Mass per declared unit	2,446 kg
Functional unit	2304 lumen during a reference lifetime of 60 000 hours
Reference service life	21 years when the luminaire is operated for 8 hours a day

SUBSTANCES, REACH - VERY HIGH CONCERN

The product does not contain any REACH SVHC substances in amounts greater than 0,1 % (1000 ppm).

PRODUCT LIFE-CYCLE

SYSTEM BOUNDARY

This EPD covers the life-cycle modules listed in the following table.

Product stage			Assembly stage		Use stage							End of life stage				Beyond the system boundaries		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D		
x	x	x	x	x	MND	MND	MND	MND	MND	x	MND	x	x	x	x	x		
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction/ demolition	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling

Modules not declared = MND. Modules not relevant = MNR

MANUFACTURING AND PACKAGING (A1-A3)

The environmental impacts considered for the product stage cover the manufacturing of raw materials used in the production as well as packaging materials and other ancillary materials. Also, fuels used by machines, and handling of waste formed in the production processes at the manufacturing facilities are included in this stage. The study also considers the material losses occurring during the manufacturing processes as well as losses during electricity transmission. The product is made of metals, plastics and electronic components. The component manufacturing happens outside of Delta Light with subcontractors (aluminium production, moulding, pcb production,...) and are then transported to Delta Light N.V. where they are assembled

together. The finished product is packaged in packaging cardboard before being sent to the installation site. Energy sources are electricity (part voltaic and part electricity from the grid), gas and water.

The use of green energy in manufacturing is demonstrated through contractual instruments (GOs, RECs, etc.), and its use is ensured throughout the validity period of this EPD.

TRANSPORT AND INSTALLATION (A4-A5)

Transportation impacts occurred from final products delivery to construction site (A4) cover fuel direct exhaust emissions, environmental impacts of fuel production, as well as related infrastructure emissions.

Transportation distance is defined according to the PCR. Average distance of transportation from production plant to building site is assumed as average 1340km, 592km, 179km for respectively boat, road and air transport. Vehicle capacity utilization volume factor is assumed to be 100% which means full load. In reality, it may vary but as role of transportation emissions in total results is small, the variety in load is assumed to be negligible. Empty returns are not taken into account as it is assumed that return trip is used by the transportation company to serve the needs of other clients. Transportation does not cause losses as products are packaged properly. Also, volume capacity utilisation factor is assumed to be 100% for the nested packaged products. Transportation impacts that occur from delivery of the product cover direct exhaust emissions of fuel, environmental impacts of fuel production, as well as related infrastructure emissions. Environmental impacts from installation into the building include waste packaging materials (A5) and release of biogenic carbon dioxide from wood pallets and cardboard. The impacts of energy consumption and the used ancillary materials during installation are considered negligible. EoL of the packaging references: Eurostat & PSR-0014 v2 (2023) for paperboard recycling (82%)/incineration

(9%)/landfill (9%). Transportation distance to e-waste handling facility is estimated as 50 km and the transportation method is assumed as lorry.

PRODUCT USE AND MAINTENANCE (B1-B7)

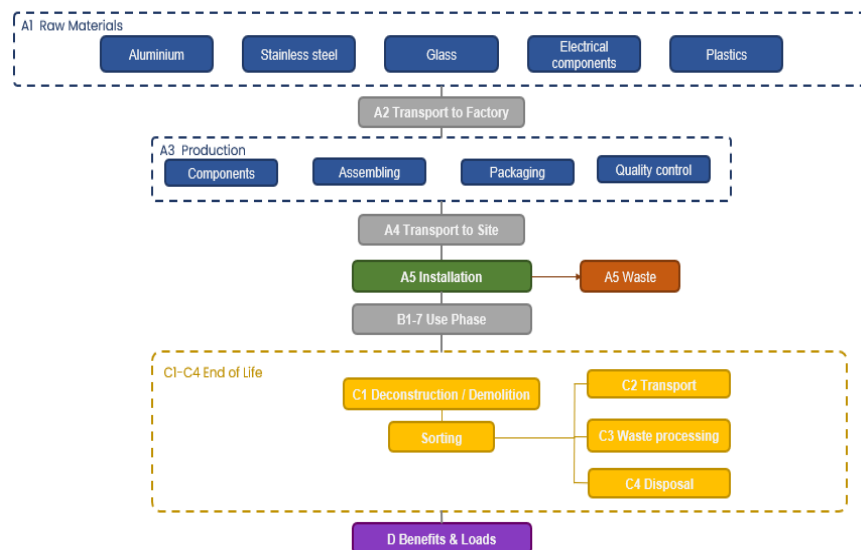
During the use phase, the product consumes electricity from regional (EU, North America, Asia and rest of the world) electricity grid mix (B6). Impacts due to electricity production include direct emissions to air, transformation and transmission losses. The reference service life is based on the LM80 report of the LED which is 60000hours. When the luminaire is operated 8 hours a day, this will result in an RSL of approximately 21 years. Air, soil, and water impacts during the use phase have not been studied. The product is assumed to undergo replacement of selected components in intervals of time (21 years when the luminaire is operated for 8 hours a day) based on the lifespan of parts and components. This is to ensure that the product is fully functional throughout its lifetime. This is why B1-B5 is excluded. B7 is not applicable. Air, soil, and water impacts during the use phase have not been studied.

PRODUCT END OF LIFE (C1-C4, D)

Consumption of energy and natural resources in demolition process is assumed to be negligible. It is assumed that the waste is collected separately and transported to the waste treatment center. Transportation distance to treatment is assumed as 50 km and the transportation method is assumed to be lorry (C2). According to EN 50693:2019, the sequence of treatment operations occurring to the product shall include de-pollution, fractions separation and preparation (dismantling, crushing, shredding, sorting), recycling, other material recovery, energy recovery and disposal. In this study, the default values from table G.4 of EN 50693 is used for treating materials in different waste treatment methods. Due to the material and energy recovery potential of parts in the lighting system, the end-of-life

product is converted into recycled raw materials, while the energy recovered from incineration displaces electricity and heat production (D). The wooden pallet and other plastic packaging used during transportation is also incinerated for energy recovery and/or recycled. The benefits and loads of incineration and recycling are included in Module D. For aluminium 70% recovery rate and 30% disposal rate. For copper 60% disposal rate and 40% disposal rate. Other plastics 50% energy recovery rate and 50% disposal rate. For glass 60% recovery rate and 40% disposal rate. Packaging waste is not included in the End of Life stages (C3–C4). All impacts related to packaging disposal are instead accounted for in stage A5 (installation)

MANUFACTURING PROCESS



All estimations and assumptions regarding the cut off criteria and the allocation are declared in the part “Cut-off Criteria except the estimations/assumptions below:

- Module A2, A4 & C2: Vehicle capacity utilization volume factor is assumed to be 1 which means full load. It may vary but as the role of transportation emission in total results is small, the variety in load is assumed to be negligible. Empty returns are not considered as it is assumed that return trip is used by transportation companies to serve the needs of other clients.
- Module A4: Transportation does not cause losses as products are packaged properly. Also, volume capacity utilisation factor is assumed to be 1 for the nested packaged products. Additionally, transportation distances are based on a sales volume-based weighted average and a lorry is the assumed vehicle type used.
- Module B4 & B6: The product is assumed to undergo replacement of selected components in intervals of time (19 years when the luminaire is operated for 8 hours a day) based on the lifespan of parts and components. This is to ensure that the product is fully functional throughout its lifetime.
- Module C2: Transportation distance to e-waste handling facility is estimated as 50 km and the transportation method is assumed as lorry.
- Module C3, C4, D: The product undergoes dismantling, and the parts are sorted into metals, plastics, paint and electronics. The waste treatment percentages based on EN 50693 are assumed to be applicable. Module C3 accounts for energy and resource inputs for sorting and treating these waste streams for recycling and incineration with energy recovery. Ash from recycling processes is negligible. The recycled end-of-life materials are assumed to serve as secondary raw materials in manufacturing, while incinerated materials displace the need for electricity and heat production.

LIFE-CYCLE ASSESSMENT

CUT-OFF CRITERIA

The study does not exclude any modules or processes which are stated mandatory in the reference standard and the applied PCR. The study does not exclude any hazardous materials or substances. The study includes all major raw material and energy consumption. All inputs and outputs of the unit processes, for which data is available for, are included in the calculation. There is no neglected unit process more than 1% of total mass or energy flows. The module specific total neglected input and output flows also do not exceed 5% of energy usage or mass.

VALIDATION OF DATA

Data collection for production, transport, and packaging was conducted using time and site-specific information, as defined in the general information section on page 1 and 2. Upstream process calculations rely on generic data as defined in the Bibliography section. Manufacturer-provided specific and generic data were used for the product's manufacturing stage. The analysis was performed in One Click LCA EPD Generator, with the 'Cut-Off, EN 15804+A2' allocation method, and characterization factors according to EN 15804:2012+A2:2019/AC2021 and JRC EF 3.1.

ALLOCATION, ESTIMATES AND ASSUMPTIONS

Allocation is required if some material, energy, and waste data cannot be measured separately for the product under investigation. All allocations are done as per the reference standards and the applied PCR. In this study, allocation has been done in the following ways:

Data type	Allocation
Raw materials	No allocation
Packaging material	No allocation
Ancillary materials	Allocated by mass or volume
Manufacturing energy and waste	Allocated by mass or volume

AVERAGES AND VARIABILITY

Type of average	No averaging
Averaging method	Not applicable
Variation in GWP-fossil for A1-A3 (%)	-

This EPD is product and factory specific and does not contain average calculations.

LCA SOFTWARE AND BIBLIOGRAPHY

This EPD has been created using One Click LCA EPD Generator. The LCA and EPD have been prepared according to the reference standards and ISO 14040/14044. The EPD Generator uses Ecoinvent v3.10.1 and One Click LCA databases as sources of environmental data. Allocation used in Ecoinvent 3.10.1 environmental data sources follow the methodology 'allocation, Cut-off, EN 15804+A2'.

ENVIRONMENTAL IMPACT DATA

The estimated impact results are only relative statements which do not indicate the end points of the impact categories, exceeding threshold values, safety margins or risks.

CORE ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP – total ¹⁾	kg CO ₂ e	3,02E+01	1,16E+00	3,16E+00	3,45E+01	8,54E-01	3,81E+00	MND	MND	MND	MND	MND	4,99E+02	MND	0,00E+00	1,32E-02	6,00E-01	2,59E-02	-2,03E+01
GWP – fossil	kg CO ₂ e	3,00E+01	1,16E+00	5,07E+00	3,63E+01	8,53E-01	4,88E-02	MND	MND	MND	MND	MND	4,97E+02	MND	0,00E+00	1,32E-02	6,02E-01	2,59E-02	-2,01E+01
GWP – biogenic	kg CO ₂ e	8,04E-02	1,80E-04	-1,95E+00	-1,87E+00	1,05E-04	3,76E+00	MND	MND	MND	MND	MND	7,91E-01	MND	0,00E+00	2,98E-06	-1,52E-03	-4,96E-05	-1,61E-01
GWP – LULUC	kg CO ₂ e	1,06E-01	5,51E-04	4,65E-02	1,53E-01	1,77E-04	2,67E-05	MND	MND	MND	MND	MND	1,19E+00	MND	0,00E+00	5,89E-06	2,12E-04	2,15E-05	-7,28E-03
Ozone depletion pot.	kg CFC-11e	4,39E-07	1,65E-08	1,05E-07	5,61E-07	1,33E-08	4,92E-10	MND	MND	MND	MND	MND	6,09E-06	MND	0,00E+00	1,94E-10	1,49E-09	3,05E-10	-8,14E-08
Acidification potential	mol H ⁺ e	2,54E-01	1,41E-02	1,66E-02	2,85E-01	4,49E-03	1,97E-04	MND	MND	MND	MND	MND	2,69E+00	MND	0,00E+00	4,49E-05	1,31E-03	9,54E-05	-1,96E-01
EP-freshwater ²⁾	kg Pe	1,61E-02	7,17E-05	2,12E-03	1,83E-02	2,83E-05	1,09E-05	MND	MND	MND	MND	MND	3,41E-01	MND	0,00E+00	1,03E-06	8,45E-05	2,45E-06	-1,14E-02
EP-marine	kg Ne	3,41E-02	3,71E-03	5,91E-03	4,38E-02	1,49E-03	3,15E-04	MND	MND	MND	MND	MND	4,65E-01	MND	0,00E+00	1,48E-05	2,21E-04	2,39E-04	-2,65E-02
EP-terrestrial	mol Ne	3,52E-01	4,10E-02	3,81E-02	4,31E-01	1,63E-02	6,25E-04	MND	MND	MND	MND	MND	4,44E+00	MND	0,00E+00	1,61E-04	2,38E-03	3,63E-04	-2,67E-01
POCP (“smog”) ³⁾	kg NMVOCe	1,20E-01	1,23E-02	1,48E-02	1,47E-01	5,41E-03	2,38E-04	MND	MND	MND	MND	MND	1,38E+00	MND	0,00E+00	6,62E-05	7,26E-04	1,18E-04	-8,12E-02
ADP-minerals & metals ⁴⁾	kg Sbe	1,42E-03	2,74E-06	1,70E-05	1,44E-03	8,45E-07	3,15E-07	MND	MND	MND	MND	MND	4,91E-03	MND	0,00E+00	3,67E-08	7,41E-06	4,24E-08	-2,04E-05
ADP-fossil resources	MJ	3,59E+02	1,57E+01	8,38E+01	4,59E+02	1,17E+01	4,45E-01	MND	MND	MND	MND	MND	9,17E+03	MND	0,00E+00	1,91E-01	1,93E+00	2,80E-01	-2,04E+02
Water use ⁵⁾	m ³ e depr.	5,65E+00	6,50E-02	1,27E+00	6,98E+00	2,94E-02	1,23E-02	MND	MND	MND	MND	MND	2,26E+02	MND	0,00E+00	9,44E-04	5,82E-02	6,19E-03	-2,30E+00

1) GWP = Global Warming Potential; 2) EP = Eutrophication potential. Required characterisation method and data are in kg P-eq. Multiply by 3,07 to get PO₄e; 3) POCP = Photochemical ozone formation; 4) ADP = Abiotic depletion potential; 5) EN 15804+A2 disclaimer for Abiotic depletion and Water use and optional indicators except Particulate matter and Ionizing radiation, human health. The results of these environmental impact indicators shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

ADDITIONAL (OPTIONAL) ENVIRONMENTAL IMPACT INDICATORS – EN 15804+A2

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Particulate matter	Incidence	1,47E-06	7,83E-08	1,92E-07	1,74E-06	2,98E-08	2,64E-09	MND	MND	MND	MND	MND	1,69E-05	MND	0,00E+00	1,32E-09	2,27E-08	1,79E-09	-1,08E-06
Ionizing radiation ⁶⁾	kBq 11235a	1,71E+00	1,12E-02	7,60E-01	2,48E+00	5,51E-03	2,92E-03	MND	MND	MND	MND	MND	2,08E+02	MND	0,00E+00	1,66E-04	9,05E-03	5,71E-04	-1,09E+00
Ecotoxicity (freshwater)	CTUe	2,27E+02	2,00E+00	1,52E+01	2,44E+02	8,84E-01	1,57E+00	MND	MND	MND	MND	MND	1,58E+03	MND	0,00E+00	2,70E-02	1,69E+00	1,03E+02	-4,82E+01
Human toxicity, cancer	CTUh	1,61E-08	2,11E-10	1,53E-09	1,79E-08	8,50E-11	3,55E-11	MND	MND	MND	MND	MND	1,28E-07	MND	0,00E+00	2,17E-12	1,27E-10	1,21E-11	-6,31E-09
Human tox. non- cancer	CTUh	6,03E-07	8,05E-09	4,38E-08	6,55E-07	8,18E-09	1,88E-09	MND	MND	MND	MND	MND	6,80E-06	MND	0,00E+00	1,24E-10	7,60E-09	2,58E-09	-1,41E-07
SQP ⁷⁾	-	7,73E+01	8,60E+00	1,04E+02	1,90E+02	4,07E+00	3,27E-01	MND	MND	MND	MND	MND	1,94E+03	MND	0,00E+00	1,93E-01	1,91E+00	4,54E-01	-2,34E+02

6) EN 15804+A2 disclaimer for ionizing radiation, human health. This impact category deals mainly with the eventual impact of low-dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator; 7) SQP = Land use related impacts/soil quality.

USE OF NATURAL RESOURCES

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Renew. PER as energy ⁸⁾	MJ	4,08E+01	1,85E-01	1,23E+01	5,33E+01	8,10E-02	- 2,14E+01	MND	MND	MND	MND	MND	2,12E+03	MND	0,00E+00	2,62E-03	2,71E-01	8,28E-03	-2,59E+01
Renew. PER as material	MJ	0,00E+00	0,00E+00	1,72E+01	1,72E+01	0,00E+00	- 1,72E+01	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,51E+01
Total use of renew. PER	MJ	4,08E+01	1,85E-01	2,96E+01	7,05E+01	8,10E-02	- 3,87E+01	MND	MND	MND	MND	MND	2,12E+03	MND	0,00E+00	2,62E-03	2,71E-01	8,28E-03	-4,09E+01
Non-re. PER as energy	MJ	3,54E+02	1,57E+01	8,40E+01	4,53E+02	1,17E+01	4,45E-01	MND	MND	MND	MND	MND	9,17E+03	MND	0,00E+00	1,91E-01	- 2,26E+00	- 3,89E+00	-2,04E+02
Non-re. PER as material	MJ	5,55E+00	0,00E+00	1,40E-01	5,69E+00	0,00E+00	-1,40E-01	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	- 2,77E+00	- 2,77E+00	-7,31E-02
Total use of non-re. PER	MJ	3,59E+02	1,57E+01	8,41E+01	4,59E+02	1,17E+01	3,05E-01	MND	MND	MND	MND	MND	9,17E+03	MND	0,00E+00	1,91E-01	- 5,04E+00	- 6,66E+00	-2,04E+02
Secondary materials	kg	1,06E+00	7,06E-03	1,03E+00	2,09E+00	2,45E-03	7,34E-04	MND	MND	MND	MND	MND	1,46E+00	MND	0,00E+00	8,14E-05	1,78E-03	1,10E-04	9,95E-01
Renew. secondary fuels	MJ	5,19E-03	6,57E-05	1,48E-01	1,53E-01	2,29E-05	4,14E-06	MND	MND	MND	MND	MND	1,07E-02	MND	0,00E+00	1,03E-06	5,64E-05	1,58E-06	-3,85E-04
Non-ren. secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m ³	2,80E-01	1,83E-03	3,59E-02	3,18E-01	9,16E-04	-2,44E-04	MND	MND	MND	MND	MND	6,87E+00	MND	0,00E+00	2,83E-05	1,41E-03	-2,63E-03	-4,75E-02

8) PER = Primary energy resources.

END OF LIFE – WASTE

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste	kg	4,53E+00	2,51E-02	1,89E-01	4,74E+00	9,74E-03	7,61E-03	MND	MND	MND	MND	MND	3,78E+01	MND	0,00E+00	3,24E-04	2,88E-02	1,94E-03	-3,90E+00
Non-hazardous waste	kg	7,68E+01	4,35E-01	1,95E+01	9,67E+01	1,83E-01	8,46E-01	MND	MND	MND	MND	MND	1,66E+03	MND	0,00E+00	5,99E-03	8,01E-01	3,73E+00	-5,01E+01
Radioactive waste	kg	6,71E-04	2,74E-06	2,03E-04	8,77E-04	1,34E-06	7,43E-07	MND	MND	MND	MND	MND	5,29E-02	MND	0,00E+00	4,08E-08	2,21E-06	1,40E-07	-2,62E-04

END OF LIFE – OUTPUT FLOWS

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	1,07E-01	0,00E+00	0,00E+00	1,07E-01	0,00E+00	1,12E+00	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	1,62E+00	0,00E+00	0,00E+00
Materials for energy rec	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	1,14E-01	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,30E-01	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy – Electricity	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,20E-01	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	4,11E-01	0,00E+00	0,00E+00
Exported energy –	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,10E-01	MND	MND	MND	MND	MND	0,00E+00	MND	0,00E+00	0,00E+00	2,30E+00	0,00E+00	0,00E+00

ENVIRONMENTAL IMPACTS – EN 15804+A1, CML

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Global Warming Pot.	kg CO ₂ e	2,80E+01	1,15E+00	5,25E+00	3,44E+01	8,49E-01	1,83E-01	MND	MND	MND	MND	MND	4,96E+02	MND	0,00E+00	1,31E-02	6,03E-01	2,54E-02	-2,00E+01
Ozone depletion Pot.	kg CFC-11e	3,24E-07	1,32E-08	9,69E-08	4,34E-07	1,05E-08	4,03E-10	MND	MND	MND	MND	MND	5,14E-06	MND	0,00E+00	1,55E-10	1,25E-09	2,45E-10	-7,48E-08
Acidification	kg SO ₂ e	2,05E-01	1,12E-02	1,25E-02	2,29E-01	3,43E-03	1,51E-04	MND	MND	MND	MND	MND	2,27E+00	MND	0,00E+00	3,43E-05	1,09E-03	7,07E-05	-1,68E-01
Eutrophication	kg PO ₄ ³ e	3,45E-02	1,49E-03	5,68E-03	4,16E-02	5,94E-04	2,23E-04	MND	MND	MND	MND	MND	2,83E-01	MND	0,00E+00	8,36E-06	1,36E-04	5,36E-05	-1,30E-02
POCP ("smog")	kg C ₂ H ₄ e	1,53E-02	6,32E-04	1,14E-03	1,71E-02	2,36E-04	4,41E-05	MND	MND	MND	MND	MND	1,24E-01	MND	0,00E+00	3,06E-06	6,37E-05	6,94E-06	-1,03E-02
ADP-elements	kg Sbe	1,50E-03	2,68E-06	1,68E-05	1,52E-03	8,23E-07	3,09E-07	MND	MND	MND	MND	MND	4,89E-03	MND	0,00E+00	3,58E-08	7,38E-06	4,12E-08	-1,82E-05
ADP-fossil	MJ	2,95E+02	1,55E+01	6,98E+01	3,81E+02	1,16E+01	3,94E-01	MND	MND	MND	MND	MND	5,59E+03	MND	0,00E+00	1,89E-01	1,79E+00	2,71E-01	-1,86E+02

ENVIRONMENTAL IMPACTS – GWP-GHG

Impact category	Unit	A1	A2	A3	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG ⁹⁾	kg CO ₂ e	3,01E+01	1,16E+00	5,11E+00	3,64E+01	8,54E-01	4,88E-02	MND	MND	MND	MND	MND	4,98E+02	MND	0,00E+00	1,32E-02	6,02E-01	2,59E-02	-2,01E+01

9) This indicator includes all greenhouse gases excluding biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product as defined by IPCC AR 5 (IPCC 2013). In addition, the characterisation factors for the flows - CH₄ fossil, CH₄ biogenic and Dinitrogen monoxide - were updated in line with the guidance of IES PCR 1.2.5 Annex 1. This indicator is identical to the GWP-total of EN 15804:2012+A2:2019 except that the characterization factor for biogenic CO₂ is set to zero.

VERIFICATION STATEMENT

VERIFICATION PROCESS FOR THIS EPD

This EPD has been verified in accordance with ISO 14025 by an independent, third-party verifier by reviewing results, documents and compliancy with reference standard, ISO 14025 and ISO 14040/14044, following the process and checklists of the program operator for:

- This Environmental Product Declaration
- The Life-Cycle Assessment used in this EPD
- The digital background data for this EPD

Why does verification transparency matter? [Read more online](#)

This EPD has been generated by One Click LCA EPD generator, which has been verified and approved by the EPD Hub.

THIRD-PARTY VERIFICATION STATEMENT

I hereby confirm that, following detailed examination, I have not established any relevant deviations by the studied Environmental Product Declaration (EPD), its LCA and project report, in terms of the data collected and used in the LCA calculations, the way the LCA-based calculations have been carried out, the presentation of environmental data in the EPD, and other additional environmental information, as present with respect to the procedural and methodological requirements in ISO 14025:2010 and reference standard.

I confirm that the company-specific data has been examined as regards plausibility and consistency; the declaration owner is responsible for its factual integrity and legal compliance.

I confirm that I have sufficient knowledge and experience of construction products, this specific product category, the construction industry, relevant standards, and the geographical area of the EPD to carry out this verification.

I confirm my independence in my role as verifier; I have not been involved in the execution of the LCA or in the development of the declaration and have no conflicts of interest regarding this verification.

Magaly González Vázquez, as an authorized verifier acting for EPD Hub Limited
18.07.2025




PEP EXTRAPOLATION COEFFICIENTS OF TOTAL SUPERLOOP (EXL. MDL)

Extrapolation rules have been calculated according to PSR-0014-ED2-EN-2023 07 13.

The extrapolation coefficients are calculated at product level. The functional unit coefficient is also available.

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

Table with information to calculate the extrapolation coefficients

Mass code	Description	Length module	product weight (kg)	packaging weight (kg)	Total weight (kg)	Control gear weight (kg)	Class	IP	max luminaire lumen (lm)	max luminaire power (W)
31000 0000	OML50 S - PROFILE with 31019 XXX0 module, cover and end caps (reference)	1m	2,45	1,35	3,80	0,105	I	20	2304	19
31000 0000	OML50 S - PROFILE with module, cover and end caps	656mm	1,60	0,89	2,49	0,105	I	20	2136	19
31000 0000	OML50 S - PROFILE with module, cover and end caps	1m	2,45	1,35	3,80	0,105	I	20	3204	28
31000 0000	OML50 S - PROFILE with module, cover and end caps	1,312m	3,21	1,77	4,98	0,105	I	20	4272	38
31000 0000	OML50 S - PROFILE with module, cover and end caps	1,64m	4,01	2,21	6,23	0,232	I	20	5340	47
31000 0000	OML50 S - PROFILE with module, cover and end caps	1,968m	4,81	2,66	7,47	0,232	I	20	6408	56
31000 0000	OML50 S - PROFILE with module, cover and end caps	2,296m	5,62	3,10	8,72	0,232	I	20	7476	66
31000 0000	OML50 S - PROFILE with module, cover and end caps	2,624m	6,42	3,54	9,96	0,232	I	20	8544	75
31001 0000	OML50+ S - PROFILE with module, cover and end caps	656mm	1,69	0,89	2,58	0,105	I	20	2136	19
31001 0000	OML50+ S - PROFILE with module, cover and end caps	1m	2,58	1,35	3,93	0,105	I	20	3204	28
31001 0000	OML50+ S - PROFILE with module, cover and end caps	1,312m	3,38	1,77	5,16	0,105	I	20	4272	38
31001 0000	OML50+ S - PROFILE with module, cover and end caps	1,64m	4,23	2,21	6,45	0,232	I	20	5340	47
31001 0000	OML50+ S - PROFILE with module, cover and end caps	1,968m	5,08	2,66	7,73	0,232	I	20	6408	56
31001 0000	OML50+ S - PROFILE with module, cover and end caps	2,296m	5,92	3,10	9,02	0,196	I	20	7476	66
31001 0000	OML50+ S - PROFILE with module, cover and end caps	2,624m	6,77	3,54	10,31	0,196	I	20	8544	75
31100 0000	OML50 C - PROFILE with module, cover and end caps	656mm	1,84	0,89	2,72	0,210	I	20	3610	33

31100 0000	OML50 C - PROFILE with module, cover and end caps	1m	2,80	1,35	4,15	0,210	I	20	5414	49
31100 0000	OML50 C - PROFILE with module, cover and end caps	1,312m	3,67	1,77	5,44	0,210	I	20	7220	65
31100 0000	OML50 C - PROFILE with module, cover and end caps	1,64m	4,59	2,21	6,81	0,464	I	20	9024	82
31100 0000	OML50 C - PROFILE with module, cover and end caps	1,968m	5,51	2,66	8,17	0,464	I	20	10829	98
31100 0000	OML50 C - PROFILE with module, cover and end caps	2,296m	6,43	3,10	9,53	0,464	I	20	12634	114
31100 0000	OML50 C - PROFILE with module, cover and end caps	2,624m	7,35	3,54	10,89	0,464	I	20	14439	131
31101 0000	OML50 CT - PROFILE with module, cover and end caps	1,312m	3,98	1,77	5,75	0,321	I	20	4272	38
31101 0000	OML50 CT - PROFILE with module, cover and end caps	1,64m	4,99	2,21	7,20	0,464	I	20	5340	47
31101 0000	OML50 CT - PROFILE with module, cover and end caps	1,968m	5,98	2,66	8,64	0,412	I	20	6408	56
31101 0000	OML50 CT - PROFILE with module, cover and end caps	2,296m	6,98	3,10	10,08	0,596	I	20	7476	66
31101 0000	OML50 CT - PROFILE with module, cover and end caps	2,624m	7,98	3,54	11,52	0,596	I	20	8544	75
31102 0000	OML50+ C - PROFILE with module, cover and end caps	656mm	1,92	0,89	2,81	0,210	I	20	3610	33
31102 0000	OML50+ C - PROFILE with module, cover and end caps	1m	2,93	1,35	4,28	0,210	I	20	5414	49
31102 0000	OML50+ C - PROFILE with module, cover and end caps	1,312m	3,85	1,77	5,62	0,210	I	20	7220	65
31102 0000	OML50+ C - PROFILE with module, cover and end caps	1,64m	4,81	2,21	7,03	0,210	I	20	9024	82
31102 0000	OML50+ C - PROFILE with module, cover and end caps	1,968m	5,77	2,66	8,43	0,464	I	20	10829	98
31102 0000	OML50+ C - PROFILE with module, cover and end caps	2,296m	6,74	3,10	9,84	0,464	I	20	12634	114
31102 0000	OML50+ C - PROFILE with module, cover and end caps	2,624m	7,70	3,54	11,24	0,464	I	20	14439	131
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	1,312m	4,11	1,77	5,89	0,321	I	20	4272	38
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	1,64m	5,12	2,21	7,33	0,464	I	20	5340	47
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	1,968m	6,12	2,66	8,77	0,412	I	20	6408	56
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	2,296m	7,11	3,10	10,21	0,596	I	20	7476	66
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	2,624m	8,11	3,54	11,65	0,596	I	20	8544	75
31200 0000	OML50 ST - PROFILE with module, cover and end caps	656mm	1,90	0,89	2,79	0,105	I	20	2136	19
31200 0000	OML50 ST - PROFILE with module, cover and end caps	1m	2,90	1,35	4,25	0,105	I	20	3204	28
31200 0000	OML50 ST - PROFILE with module, cover and end caps	1,312m	3,80	1,77	5,58	0,105	I	20	4272	38
31200 0000	OML50 ST - PROFILE with module, cover and end caps	1,64m	4,76	2,21	6,97	0,232	I	20	5340	47
31200 0000	OML50 ST - PROFILE with module, cover and end caps	1,968m	5,71	2,66	8,36	0,232	I	20	6408	56
31200 0000	OML50 ST - PROFILE with module, cover and end caps	2,296m	6,66	3,10	9,76	0,196	I	20	7476	66

31200 0000	OML50 ST - PROFILE with module, cover and end caps	2,624m	7,61	3,54	11,15	0,196	I	20	8544	75
31300 0000	OML50 TR - PROFILE with module, cover and end caps	656mm	1,98	0,89	2,87	0,105	I	20	2136	19
31300 0000	OML50 TR - PROFILE with module, cover and end caps	1m	3,02	1,35	4,37	0,105	I	20	3204	28
31300 0000	OML50 TR - PROFILE with module, cover and end caps	1,312m	3,96	1,77	5,73	0,105	I	20	4272	38
31300 0000	OML50 TR - PROFILE with module, cover and end caps	1,64m	4,95	2,21	7,17	0,232	I	20	5340	47
31300 0000	OML50 TR - PROFILE with module, cover and end caps	1,968m	5,94	2,66	8,60	0,232	I	20	6408	56
31300 0000	OML50 TR - PROFILE with module, cover and end caps	2,296m	6,93	3,10	10,03	0,196	I	20	7476	66
31300 0000	OML50 TR - PROFILE with module, cover and end caps	2,624m	7,92	3,54	11,47	0,196	I	20	8544	75

Applicable extrapolation coefficients:

Mass code	Description	Extrapol. FU	A1-A3	A4	A5	B6	C1-C4	D
			MAXIMUM A1-A3	Distribution stage	Installation stage	Use stage	EOL stage	MAXIMUM D
31000 0000	OML50 S - PROFILE with 31019 XXX0 module, cover and end caps	1,000	1,000	1,000	1,000	1,000	1,000	1,000
31000 0000	OML50 S - PROFILE with module, cover and end caps	1,079	1,000	0,656	0,656	1,000	0,656	1,000
31000 0000	OML50 S - PROFILE with module, cover and end caps	0,719	1,000	1,000	1,000	1,474	1,000	1,000
31000 0000	OML50 S - PROFILE with module, cover and end caps	0,539	1,312	1,312	1,312	2,000	1,312	1,312
31000 0000	OML50 S - PROFILE with module, cover and end caps	0,431	2,210	1,640	1,640	2,474	1,640	2,210
31000 0000	OML50 S - PROFILE with module, cover and end caps	0,360	2,210	1,968	1,968	2,947	1,968	2,210
31000 0000	OML50 S - PROFILE with module, cover and end caps	0,308	2,296	2,296	2,296	3,474	2,296	2,296
31000 0000	OML50 S - PROFILE with module, cover and end caps	0,270	2,624	2,624	2,624	3,947	2,624	2,624
31001 0000	OML50+ S - PROFILE with module, cover and end caps	1,079	1,000	0,679	0,656	1,000	0,679	1,000
31001 0000	OML50+ S - PROFILE with module, cover and end caps	0,719	1,055	1,035	1,000	1,474	1,035	1,055
31001 0000	OML50+ S - PROFILE with module, cover and end caps	0,539	1,384	1,358	1,312	2,000	1,358	1,384
31001 0000	OML50+ S - PROFILE with module, cover and end caps	0,431	2,210	1,698	1,640	2,474	1,698	2,210
31001 0000	OML50+ S - PROFILE with module, cover and end caps	0,360	2,210	2,038	1,968	2,947	2,038	2,210
31001 0000	OML50+ S - PROFILE with module, cover and end caps	0,308	2,422	2,377	2,296	3,474	2,377	2,422

31001 0000	OML50+ S - PROFILE with module, cover and end caps	0,270	2,768	2,717	2,624	3,947	2,717	2,768
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,638	2,000	0,717	0,656	1,737	0,717	2,000
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,426	2,000	1,093	1,000	2,579	1,093	2,000
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,319	2,000	1,434	1,312	3,421	1,434	2,000
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,255	4,419	1,793	1,640	4,316	1,793	4,419
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,213	4,419	2,152	1,968	5,158	2,152	4,419
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,182	4,419	2,510	2,296	6,000	2,510	4,419
31100 0000	OML50 C - PROFILE with module, cover and end caps	0,160	4,419	2,869	2,624	6,895	2,869	4,419
31101 0000	OML50 CT - PROFILE with module, cover and end caps	0,539	3,057	1,515	1,312	1,000	1,515	3,057
31101 0000	OML50 CT - PROFILE with module, cover and end caps	0,431	4,419	1,897	1,640	1,237	1,897	4,419
31101 0000	OML50 CT - PROFILE with module, cover and end caps	0,360	3,924	2,276	1,968	1,474	2,276	3,924
31101 0000	OML50 CT - PROFILE with module, cover and end caps	0,308	5,676	2,655	2,296	1,737	2,655	5,676
31101 0000	OML50 CT - PROFILE with module, cover and end caps	0,270	5,676	3,035	2,624	1,974	3,035	5,676
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,638	2,000	0,740	0,656	1,737	0,740	2,000
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,426	2,000	1,129	1,000	2,579	1,129	2,000
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,319	2,000	1,481	1,312	3,421	1,481	2,000
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,255	2,000	1,851	1,640	4,316	1,851	2,000
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,213	4,419	2,221	1,968	5,158	2,221	4,419
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,182	4,419	2,591	2,296	6,000	2,591	4,419
31102 0000	OML50+ C - PROFILE with module, cover and end caps	0,160	4,419	2,961	2,624	6,895	2,961	4,419
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	0,539	3,057	1,550	1,312	1,000	1,550	3,057
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	0,431	4,419	1,932	1,640	1,237	1,932	4,419
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	0,360	3,924	2,311	1,968	1,474	2,311	3,924
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	0,308	5,676	2,691	2,296	1,737	2,691	5,676
31103 0000	OML50+ CT - PROFILE with module, cover and end caps	0,270	5,676	3,070	2,624	1,974	3,070	5,676
31200 0000	OML50 ST - PROFILE with module, cover and end caps	1,079	1,000	0,734	0,656	1,000	0,734	1,000
31200 0000	OML50 ST - PROFILE with module, cover and end caps	0,719	1,186	1,120	1,000	1,474	1,120	1,186
31200 0000	OML50 ST - PROFILE with module, cover and end caps	0,539	1,556	1,469	1,312	2,000	1,469	1,556
31200 0000	OML50 ST - PROFILE with module, cover and end caps	0,431	2,210	1,836	1,640	2,474	1,836	2,210

31200 0000	OML50 ST - PROFILE with module, cover and end caps	0,360	2,333	2,203	1,968	2,947	2,203	2,333
31200 0000	OML50 ST - PROFILE with module, cover and end caps	0,308	2,722	2,571	2,296	3,474	2,571	2,722
31200 0000	OML50 ST - PROFILE with module, cover and end caps	0,270	3,111	2,938	2,624	3,947	2,938	3,111
31300 0000	OML50 TR - PROFILE with module, cover and end caps	1,079	1,000	0,755	0,656	1,000	0,755	1,000
31300 0000	OML50 TR - PROFILE with module, cover and end caps	0,719	1,235	1,151	1,000	1,474	1,151	1,235
31300 0000	OML50 TR - PROFILE with module, cover and end caps	0,539	1,620	1,510	1,312	2,000	1,510	1,620
31300 0000	OML50 TR - PROFILE with module, cover and end caps	0,431	2,210	1,888	1,640	2,474	1,888	2,210
31300 0000	OML50 TR - PROFILE with module, cover and end caps	0,360	2,430	2,266	1,968	2,947	2,266	2,430
31300 0000	OML50 TR - PROFILE with module, cover and end caps	0,308	2,835	2,643	2,296	3,474	2,643	2,835
31300 0000	OML50 TR - PROFILE with module, cover and end caps	0,270	3,240	3,021	2,624	3,947	3,021	3,240

Explanation used coefficients from PSR-0014-ED2-EN-2023 07 13:

Fabrication stage (A1-A3) extrapolation coefficient:

Maximum value out of formulas described in 3.6.3 Extrapolation rules applied to fabrication stage (A1-A3)

Distribution stage (A4) extrapolation coefficient:

Value out of formula described in 3.6.4 Extrapolation rules applied to distribution stage (A4)

Installation stage (A5) extrapolation coefficient:

Value out of formula described in 3.6.5 Extrapolation rules applied to installation stage (A5)

Use stage (B1 – B7) extrapolation coefficient:

Maximum value out of formulas described in 3.6.6. Extrapolation rules applied to use stage (B1 to B7)

(B2 is not declared in our case, so the formula of B6 applies)

End of life stage (C1 to C4) extrapolation coefficient:

Value out of formula described in 3.6.7. Extrapolation rules applied to end-of-life stage (C1 to C4)

Benefits (D) extrapolation coefficient:

Maximum value out of formulas described in 3.6.8. Extrapolation rules applied to net benefits beyond the system boundaries stage (D) (optional)