

ENVIRONMENTAL PRODUCT DECLARATION

EPD Ref. No. 2025-0077

LUMINAIRE

KLUŚ® Inspiring
Solutions



OWNER OF THE EPD:

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In accordance with ISO 14025

DATE OF ISSUE:

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05-08-2030

EPD PROGRAM OPERATOR:

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Declared unit (DU): 1 lin. m

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1. GENERAL INFORMATION

This Environmental Product Declaration (EPD) is developed in accordance with the European standard EN 15804 and ISO 14025. It contains the information on the impacts of the declared construction materials on the environment.

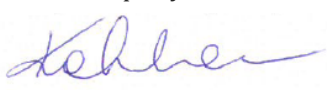
EPDs may not be comparable if they do not comply with the EN 15804 standard and if the core systems are not based on the same database.

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EPD program operator	CERTBUD Sp. z o.o. ul. Mokotowska 46 lok. 8, 00-543 Warszawa e-mail: biuro@certyfikacja-certbud.pl www.certyfikacja-certbud.pl				
Declared product(s)	Luminaire: Weight 0,1-1,5 kg/lin.m: Luminaire 3035 Luminaire 3035-KR-KOZ Luminaire 3035-O Luminaire 3035-T Luminaire 45-16 Luminaire 45-ALU Luminaire 45-PLUS Luminaire FASKO Luminaire Foled Luminaire FOLED-BOK Luminaire FOLED-SUF Luminaire GIZA-DUO-LL Luminaire GIZA-LL Luminaire GIZA-LL-T Luminaire GIZA-LL-UST Luminaire GIZA-LL-ZMG Luminaire GLAD-45 Luminaire GLAZA-DUO Luminaire GLAZA-LL Luminaire HR-ALU Luminaire HR-OPTI Luminaire HR-SLIM Luminaire HR-SLIM -KOZ Luminaire JAZ Luminaire ROLL Luminaire PRISM Luminaire JAZ-DUO Luminaire KOPRO Luminaire KOPRO-30 Luminaire KOPROMA Luminaire KOZEL Luminaire KOZEL-10 Luminaire KOZEL-10-BD Luminaire KOZMA Luminaire KOZMA-22 Luminaire KOZMA-22-BOK Luminaire KOZMA-BD Luminaire KOZUS Luminaire KOZUS-BD Luminaire KOZUS-BOK Luminaire KOZUS-CR Luminaire KRAV05IN Luminaire KRAV-56 Luminaire KRAV-810 Luminaire KUBIK-45 Luminaire LARKO Luminaire LIPOD Luminaire LIT-L Luminaire LOC-30 Luminaire LOKOM Oprawa MICRO-30DEG-K Oprawa MICRO-30DEG-KOZ Luminaire MICRO-ALU Luminaire MICRO-H Luminaire MICRO-HG Luminaire MICRO-K Luminaire MICRO-NK Luminaire MICRO-PLUS Luminaire NISA-KON Luminaire NISA-KRA Luminaire NISA-NI Luminaire NISA-PLA Luminaire NISA-KRA-PLUS (NISA-KRA-V2) Luminaire OKIN Luminaire OLEK Luminaire OLIS Luminaire OLIS-K Luminaire Onisa Luminaire OPK-4 PIKAN – DUO+KOZ+CR POKAN – DUO+KOZ+CR Luminaire PAC-ALU Luminaire PDS-4-PLUS Luminaire PDS-H Luminaire PDS-NK Luminaire PDS-O Luminaire PDS-T Luminaire PDS-T-BOK Luminaire PDS-UST Luminaire PDS-ZMG Luminaire PDS-ZM-PLUS Luminaire PIKO Luminaire PIKO-KW Luminaire PIKO-KZ Luminaire PIKO-O Luminaire PIKO-DUO Luminaire PIKO-ZM Luminaire PLAKIN-DUO Luminaire POLI Luminaire Por Luminaire RAM-3035-KOZE Luminaire RAM-KOL-100 Luminaire RAM-TEK-100 Luminaire REGULATOR Luminaire Roger Luminaire SILER Luminaire STEKO Luminaire STEKO-PLUS Luminaire STOS-ALU Luminaire TAKO Luminaire TAMI Luminaire TAN-C5 Luminaire TAPO Luminaire TE-4 Luminaire TEKIN Luminaire TEKNIK Luminaire TEKNIK-ZM Luminaire TEKNIK-ZM-TK Luminaire TEKUS-ZM Luminaire TELIT-L Luminaire TENIKON Luminaire TENIKRA Luminaire TEPIKO Luminaire Tespo Luminaire TEST-36 Luminaire TEST-74 Luminaire TETRA-43 Luminaire TETRA-78 Luminaire TOST Luminaire TPK-4 Luminaire TRIADA Luminaire TRIADA-K Luminaire STALALIGHT S-WALL / S Luminaire STALALIGHT M-WALL / M Luminaire WERKIN Weight 1,5-2,5 kg/lin.m: Luminaire 4050 Luminaire 4050-O Luminaire 4050-W Luminaire ATRA Luminaire Box-K Luminaire Box-M Luminaire DIPOKET Luminaire FOLED-50 Luminaire FOLED-50-BOK Luminaire FOLED-50-SUF Luminaire HR-LINE Luminaire HR-MAX Luminaire HR-MAX-T Luminaire HR-MAX-TW Luminaire Idol Luminaire Ikon Luminaire IKON KPL Luminaire Imet Luminaire Inter Luminaire INTER Luminaire INTER-PLUS Luminaire Kozel-50 Luminaire KOZUS-50 Luminaire LARKO-50 Luminaire LIPOD-50 Luminaire LIPOD-50-DUO Luminaire NIBO Luminaire OBIT Luminaire PLAKIN-DUO Luminaire POKET Luminaire POK-US Luminaire RAM-KOL-50 Luminaire RAM-KOZE-50 Luminaire RAM-TEK-50 Luminaire SEKODU Luminaire SEKOMA Luminaire SEPOD Luminaire Tes-16 Luminaire TES-16 Luminaire Tese Luminaire TESE Weight 2,5-6 kg/lin.m: Luminaire BOX Luminaire DES Luminaire DIPOK-US Luminaire EX-ALU Luminaire GLADES Luminaire INTER-PLUS-UP Luminaire KIDES Luminaire KIDES-DUO Luminaire MIFOR Luminaire MIFOR-70 Luminaire MOD-100 Luminaire MOD-50 Luminaire MOD-MOS-100 Luminaire MOD-MOS-50 Luminaire OMOD-100 Luminaire OMOD-50 Luminaire POK-US Luminaire RAM-KOZE-10 Luminaire SERPENT Luminaire SERPENT PLUS Luminaire STEP Luminaire STEPUS Luminaire TULIP / FLORI Luminaire UPTER Luminaire SZYNOPRZEWODY -48V Luminaire FOMI				
Declaration reference number	EPD Ref. No. 2025-0077				
PCR	PCR in accordance with EN 15804:2012+A2:2019				

Date of issue	05-08-2025
Validity date	05-08-2030
Declared unit	1 lin. m
Life cycle analysis (LCA)	A1-A3, C1-C4, D modules
Service Life	Depends of application type, up to 50 years
Reason for performing LCA	Bussines-to-bussines
Representativeness	Polish product, 2024

2. VERIFICATION

This Environmental Product Declaration (EPD) has been verified in accordance with ISO14025 and is valid for 5 years from the date of issue if the underlying data have not changed significantly.

CEN EN 15804 standard serves as the main PCR document.
Independent verification corresponding to ISO 14025:2010 ☐ Internal ☒ External
Third party verifier:  Monika Kotkiewicz, CERTBUD Sp. z o.o.
External verification of EPD: Monika Kotkiewicz, CERTBUD Sp. z o. o. Input data verification, LCA: Krzysztof Bałkowiec, TBF Systemy Jakości / Damian Bulski, CEexpert Verification of LCA: Dominika Młot, CERTBUD Sp. z o. o.



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3. MANUFACTURER

KLUŚ Design is a leading Polish manufacturer specializing in high-quality LED lighting solutions, present in the market for over 45 years. The company offers a wide range of profiles, LED strips, and ready-made luminaires that can be customized to individual needs, intended for both residential and commercial applications. KLUŚ provides solutions for interiors and exteriors, focusing on innovation, energy efficiency, and aesthetic design to meet a variety of lighting needs.

Design—perceived as conscious design, in which function and quality form a harmonious whole—has always been the foundation of the company's operations. The flexibility of the offered forms, their modularity, and systemic nature are the hallmarks of the KLUŚ brand, allowing architects, investors, and individual clients to create solutions tailored to specific projects and expectations.

Thanks to an extensive network of representatives, KLUŚ's offerings are now available to architectural firms and clients in dozens of European countries, as well as in Asia, Australia, and the USA. KLUŚ LED solutions are a popular choice for large, demanding projects due to their systemic nature, ease of installation, and ease of subsequent maintenance. The company is particularly interested in bold designs that highlight the full potential of its products.



Figure 3.1: KLUŚ Sp. z o.o.

4. DESCRIPTION AND CLASSIFICATION OF PRODUCTS

Lighting fixtures that provide the appropriate level of lighting, adapted to the ambient conditions and specific space. Designed for surface-mounted, flush-mounted, suspended, and track-mounted installations, suspended (modular) ceilings, recessed with a suspension function, ground-mounted and solid-floor installations, walls/sconces, and other applications. They can be equipped with light sources, power supplies, and control systems. Product Applications:

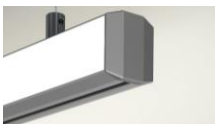
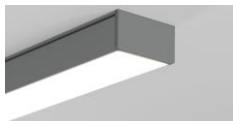
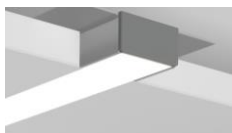
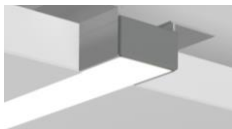
- Fitness/spa,
- Passageways,
- Lobby/foyer,
- Office/conference room,
- Decorative lighting,
- Kitchen,
- Alcove/contour lighting,
- Facade lighting,
- Edge lighting,
- Under-cabinet/furniture lighting,
- Parking/garage/driveway,
- Outdoor spaces,
- Multimedia rooms,
- Stairs/corridors,
- Exhibition/trade show/exhibition,
- Bathroom,
- Medical facilities,
- Production halls

And other applications used for general, local, decorative, or accent lighting, regardless of the surroundings.

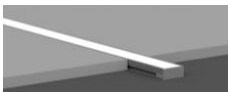
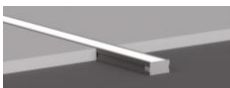
Table 4.1: Types and technical parameters of luminaire

1	S	Luminaire 3035		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
2	S	Luminaire 3035-KR-KOZ		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
3	S	Luminaire 3035-O		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
4	S	Luminaire 3035-T		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

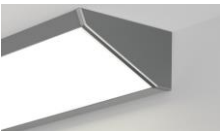
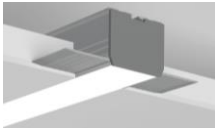
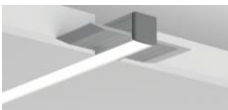
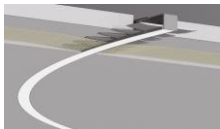
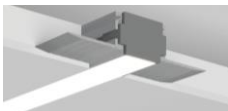
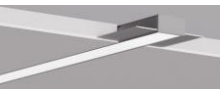
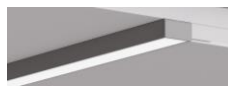
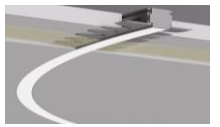
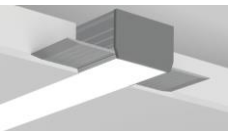
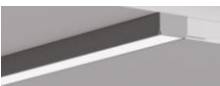
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5	S	Luminaire 45-16		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
6	S	Luminaire 45-ALU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
7	S	Luminaire 45-PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
8	S	Luminaire FASKO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
9	S	Luminaire FOLED		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
10	S	Luminaire FOLED-BOK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
11	S	Luminaire FOLED-SUF		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
12	S	Luminaire GIZA-DUO-LL		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
13	S	Luminaire GIZA-LL		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
14	S	Luminaire GIZA-LL-T		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
15	S	Luminaire GIZA-LL-UST		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
16	S	Luminaire GIZA-LL-ZMG		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

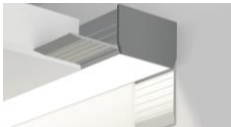
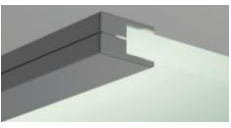
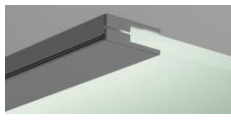
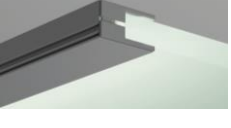
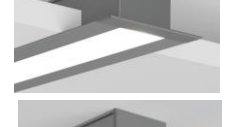
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17	S	Luminaire GLAD-45		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
18	S	Luminaire GLAZA-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
19	S	Luminaire GLAZA-LL		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
20	S	Luminaire HR-ALU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
21	S	Luminaire HR-OPTI		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
22	S	Luminaire HR-SLIM		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
23	S	Luminaire HR-SLIM-KOZ		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
24	S	Luminaire JAZ		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
25	S	Luminaire ROLL		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
26	S	Luminaire PRISM		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
27	S	Luminaire JAZ-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
28	S	Luminaire KOPRO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

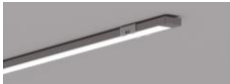
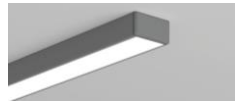
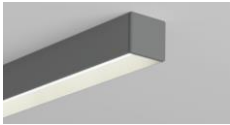
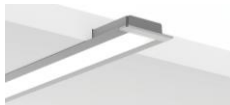
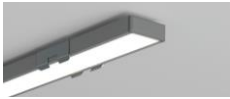
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29	S	Luminaire KOPRO-30		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
30	S	Luminaire KOPROMA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
31	S	Luminaire KOZEL		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
32	S	Luminaire KOZEL-10		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
33	S	Luminaire KOZEL-10-BD		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
34	S	Luminaire KOZMA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
35	S	Luminaire KOZMA-22		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
36	S	Luminaire KOZMA-22-BOK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
37	S	Luminaire KOZMA-BD		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
38	S	Luminaire KOZUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
39	S	Luminaire KOZUS-BD		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
40	S	Luminaire KOZUS-BOK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

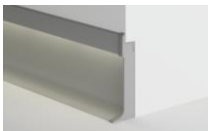
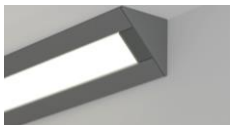
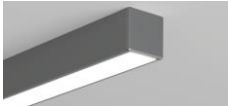
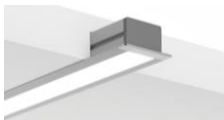
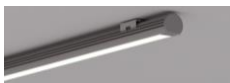
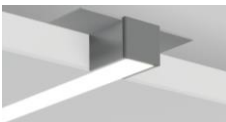
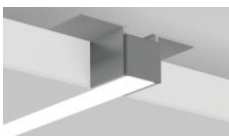
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

41	S	Luminaire KOZUS-CR		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
42	S	Luminaire KRAV05IN		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
43	S	Luminaire KRAV-56		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
44	S	Luminaire KRAV-810		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
45	S	Luminaire KUBIK-45		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
46	S	Luminaire LARKO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
47	S	Luminaire LIPOD		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
48	S	Luminaire LIT-L		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
49	S	Luminaire LOC-30		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
50	S	Luminaire LOKOM		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
51	S	Luminaire MICRO-30DEG-K		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
52	S	Luminaire MICRO-30DEG-KOZ		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

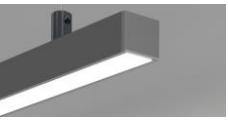
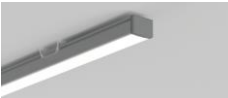
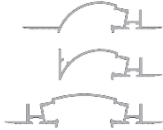
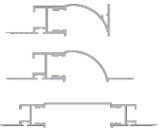
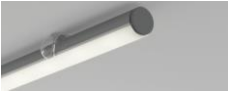
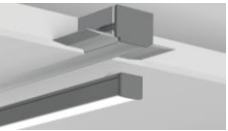
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

53	S	Luminaire MICRO- ALU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
54	S	Luminaire MICRO- H		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
55	S	Luminaire MICRO- HG		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
56	S	Luminaire MICRO- NK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
57	S	Luminaire MICRO- PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
58	S	Luminaire NISA- KON		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
59	S	Luminaire NISA- KRA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
60	S	Luminaire NISA- NI		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
61	S	Luminaire NISA- PLA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
62	S	Luminaire NISA- KRA-PLUS (		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
63	S	Luminaire OLEK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
64	S	Luminaire OLIS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

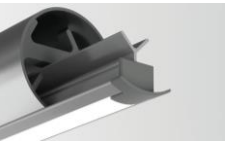
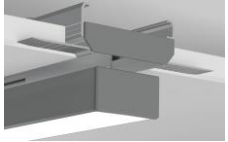
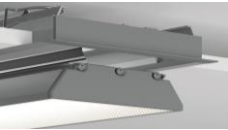
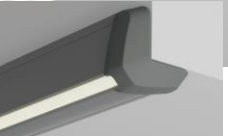
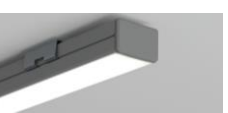
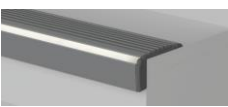
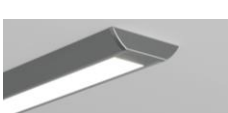
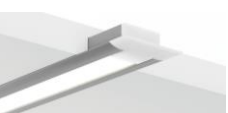
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

65	S	Luminaire OLIS-K		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
66	S	Luminaire Olit		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
67	S	Luminaire Onisa		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
68	S	Luminaire OPK-4		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
69	S	Luminaire PAC-ALU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
70	S	Luminaire PDS-4-PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
71	S	Luminaire PDS-H		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
72	S	Luminaire PDS-NK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
73	S	Luminaire PDS-O		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
74	S	Luminaire PDS-T		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
75	S	Luminaire PDS-T-BOK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
76	S	Luminaire PDS-UST		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

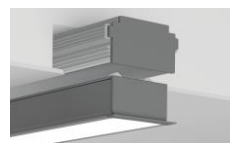
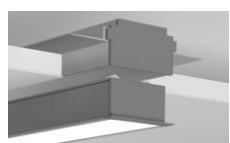
77	S	Luminaire PDS-ZMG		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
78	S	Luminaire PDS-ZM-PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
79	S	Luminaire PIKO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
80	S	Luminaire PIKO-KW		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
81	S	Luminaire PIKO-KZ		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
82	S	Luminaire PIKO-45		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
83	S	PIKAN-KOZ PIKAN-CR PIKAN-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	
84	S	POKAN-KOZ POKAN-CR POKAN-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	
85	S	Luminaire PIKO-O		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
86	S	Luminaire PIKO-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
87	S	Luminaire PIKO-ZM		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
88	S	Luminaire PLAKIN-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220-240 V 50 Hz 100-127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

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89	S	Luminaire POLI		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
90	S	Luminaire Por		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
91	S	Luminaire RAM-3035-KOZE		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
92	S	Luminaire RAM-KOL-100		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
93	S	Luminaire RAM-TEK-100		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
94	S	Luminaire REGULOR		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
95	S	Luminaire Roger		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
96	S	Luminaire SILER		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
97	S	Luminaire STEKO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
98	S	Luminaire STEKO-PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
99	S	Luminaire STOS-ALU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
100	S	Luminaire TAKO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

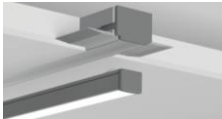
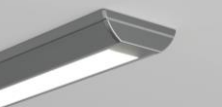
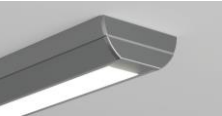
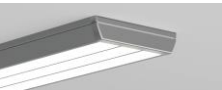
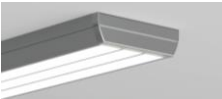
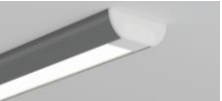
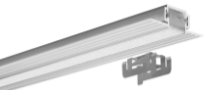
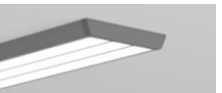
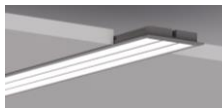
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

101	S	Luminaire TAMI
102	S	Luminaire TAN-C5
103	S	Luminaire TAPO
104	S	Luminaire TE-4
105	S	Luminaire TEKIN
106	S	Luminaire TEKNIK
107	S	Luminaire TEKNIK-ZM
108	S	Luminaire TEKNIK-ZM-TK
109	S	Luminaire TEKUS- ZM
110	S	Luminaire TELIT- L
111	S	Luminaire TENIKON
112	S	Luminaire TENIKRA

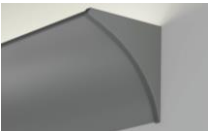
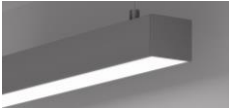
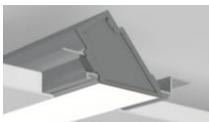
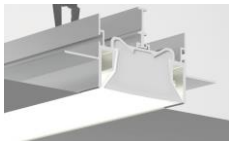
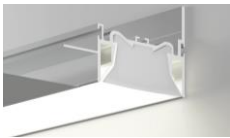
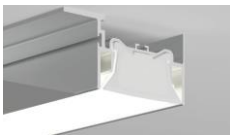
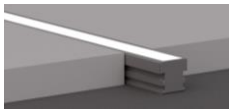
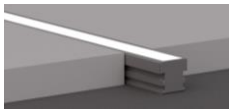


from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

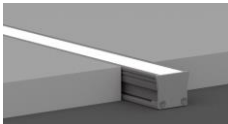
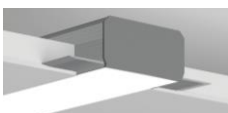
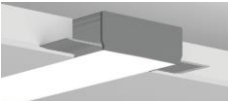
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

113	S	Luminaire TEPIKO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
114	S	Luminaire Tespo		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
115	S	Luminaire TEST-36		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
116	S	Luminaire TEST-74		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
117	S	Luminaire TETRA-43		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
118	S	Luminaire TETRA-78		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
119	S	Luminaire TOST		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
120	S	Luminaire TPK-4		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
121	S	Luminaire TRIADA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
122	S	Luminaire TRIADA-K		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
123	S	Luminaire STALALIGHT S-WALL / S		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
124	S	Luminaire STALALIGHT M-WALL / M		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

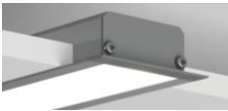
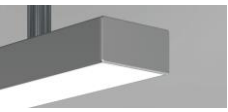
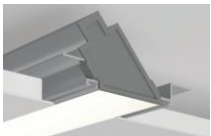
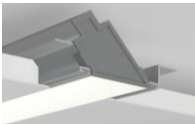
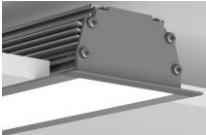
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

125	S	Luminaire WERKIN		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
126	M	Luminaire 4050		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
127	M	Luminaire 4050-O		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
128	M	Luminaire 4050- W		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
129	M	Luminaire ATRA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
130	M	Luminaire Box-K		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
131	M	Luminaire Box-M		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
132	M	Luminaire DIPOKET		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
133	M	Luminaire FOLED- 50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
134	M	Luminaire FOLED- 50-BOK		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
135	M	Luminaire FOLED- 50-SUF		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
136	M	Luminaire HR- LINE		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

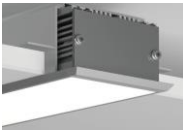
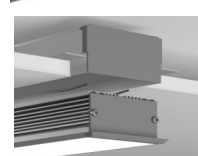
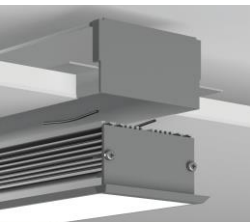
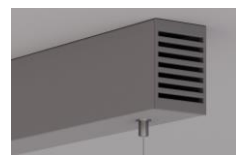
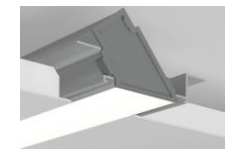
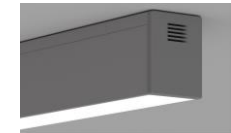
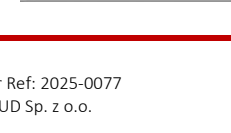
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

137	M	Luminaire HR-MAX		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
138	M	Luminaire HR-MAX-T		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
139	M	Luminaire HR-MAX-TW		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
140	M	Luminaire Idol		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
141	M	Luminaire Ikon		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
142	M	Luminaire IKON KPL		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
143	M	Luminaire Imet		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
144	M	Luminaire Inter		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
145	M	Luminaire INTER		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
146	M	Luminaire INTER-PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
147	M	Luminaire Kozel-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
148	M	Luminaire KOZUS-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

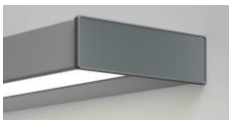
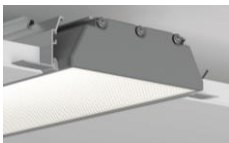
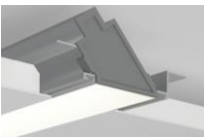
ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

149	M	Luminaire LARKO-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
150	M	Luminaire LIPOD-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
151	M	Luminaire LIPOD-50-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
152	M	Luminaire NIBO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
153	M	Luminaire OBIT		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
154	M	Luminaire PLAKIN-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
155	M	Luminaire POKET		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
156	M	Luminaire POK-US		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
157	M	Luminaire RAM-KOL-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
158	M	Luminaire RAM-KOZE-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
159	M	Luminaire RAM-TEK-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
160	M	Luminaire SEKODU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

161	M	Luminaire SEKOMA		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
162	M	Luminaire SEPOD		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
163	M	Luminaire Tes-16		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
164	M	Luminaire TES-16		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
165	M	Luminaire Tese		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
166	M	Luminaire TESE		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
167	L	Luminaire BOX		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
168	L	Luminaire DES		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
169	L	Luminaire DIPOK-US		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
170	L	Luminaire EX-ALU		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
171	L	Luminaire GLADES		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
172	L	Luminaire INTER-PLUS-UP		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

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173	L	Luminaire KIDES		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
174	L	Luminaire KIDES-DUO		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
175	L	Luminaire MIFOR		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
176	L	Luminaire MIFOR-70		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
177	L	Luminaire MOD-100		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
178	L	Luminaire MOD-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
179	L	Luminaire OMOD-100		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
180	L	Luminaire OMOD-50		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
181	L	Luminaire POK-US		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
182	L	Luminaire RAM-KOZE-10		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
183	L	Luminaire SERPENT		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
184	L	Luminaire SERPENT PLUS		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

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185	L	Luminaire STEP		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
186	L	Luminaire Stepus		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
187	L	Luminaire TULIP / FLORI		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
188	L	Luminaire UPTER		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
189	L	Luminaire SZYNOPRZEWODY - 48V		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68
190	L	Luminaire FOMI		from 100 mm and more	silver anodized, black anodized, white lacquered, raw aluminum	Voltage [V] Frequency [Hz] 220–240 V 50 Hz 100–127 V 50/60 Hz or other after using power supplies/converter	from IP20 to IP68

Table 4.2: Material composition

Luminaire type	Material composition
Weight 0,1-1,5 kg/lin. m	- Aluminium 40% - Plastics 13% - Electric equipment 13% - Steel 34%
Weight 1,5-2,5 kg/lin. m	- Aluminium 40% - Plastics 14% - Electric equipment 13% - Steel 33%
Weight 2,5-6 kg/lin. m	- Aluminium 40% - Plastics 14% - Electric equipment 13% - Steel 33%

5. LIFE CYCLE ASSESSMENT (LCA) - RULES

5.1. DECLARED UNIT (DU)

The declaration refers to declared unit – 1 lin. m of luminaire manufactured by KLUŚ Sp. z o.o.

5.2. ALLOCATION

The allocation rules used for this EPD are based on EN 15804+A2. The production of luminaire takes place in KLUŚ sp. z o.o. production plant in Kolonia Lesznowa, Poland.

Impacts from the global line production were inventoried and 7% were allocated to the production of luminaire in terms of annual production volume expressed in linear meter.

5.3. BIOGENIC CARBON CONTENT

The content of biogenic carbon in the product is determined quantitatively and results from the carbon dioxide removed from the atmosphere through the photosynthesis reaction. It is assumed that 50% of the dry mass of wood is carbon, 44% oxygen and hydrogen. Each kilogram of stored biogenic carbon is approximately 3.67 kg of CO₂ effectively removed from the atmosphere.

Table 5.1: Biogenic carbon content in product and packaging materials

Biogenic carbon content	Unit
CO ₂ equivalent	⁴⁴ / ₁₂
Biogenic carbon content in product	< 5%
Biogenic carbon content in packaging materials	≈ 0,3 kg C / lin. m

5.4. SYSTEM BOUNDARIES

The system limits for the environmental characteristics of luminaire are shown in figure 5.1. Data used in LCA calculation were declared by manufacturer and reflected the actual status of the year 2024.

This Environmental Product Declaration includes a life cycle assessment (LCA) for the Cradle-to-Gate, with modules C1-C4, D, according to EN 15804+A2. Modules A4-A5, B1-B7 are not declared.

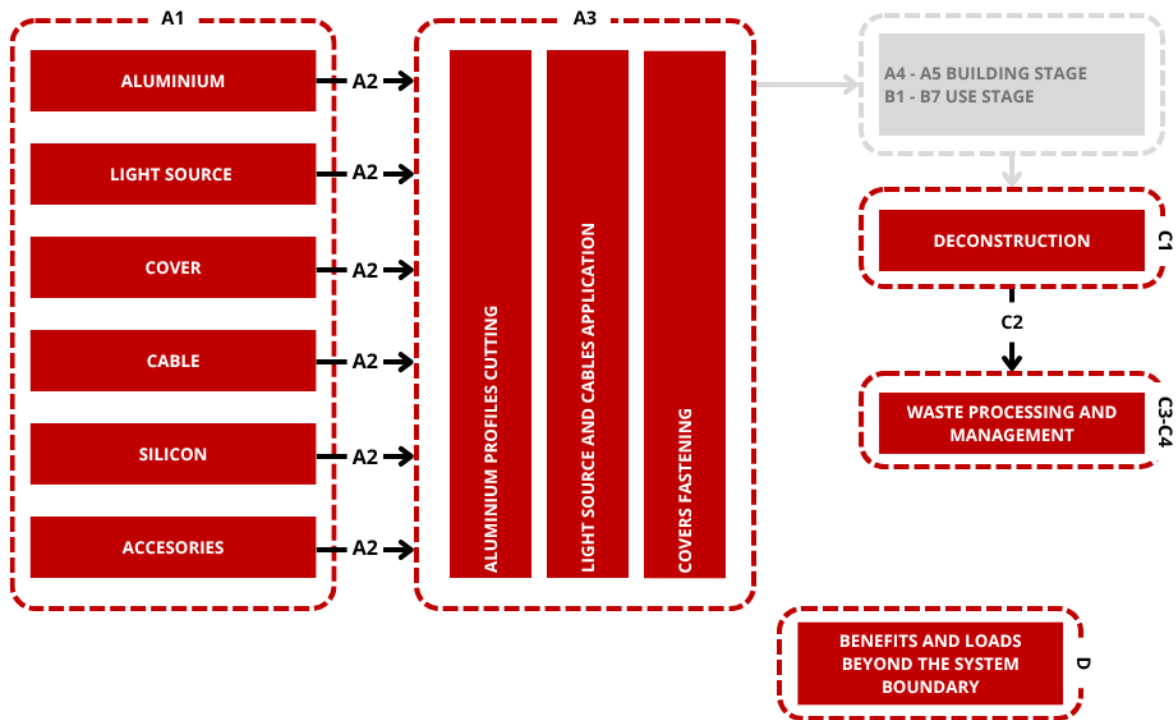


Figure 5.1: System boundaries

All-important parameters from collected production data, i.e. all materials used by recipe, electricity consumed, internal fuel consumption and thermal energy, direct production waste, and the results of all available emission measurements were included in the calculations. In accordance with EN 15804, machinery and equipment (capital assets) needed for and during production, as well as the transportation of production facility employees, were not included.

The sum of processes and impacts omitted from the calculations does not exceed 5% of all impact categories according to EN 15804+A2.

5.4.1. A1 – RAW MATERIALS SUPPLY

This module takes into account the extraction and processing of all raw materials, as well as Energy consumption. The extraction and consumption of raw materials refers to specific mass shares in the production process per unit of declared product. Raw materials for the production of components of luminaire come from Polish and foreign suppliers.

5.4.2. A2 – TRANSPORT TO THE PRODUCTION SITE

Raw materials are transported to the production plant from Polish and foreign suppliers. Distances from the place of obtaining raw materials to the production plant are individual for each raw material. The means of transport were diversified depending on the method of delivery of raw materials. The adopted model includes road transport (average values) for each raw material. For calculation purposes European fuel averages are applied in module A2.

5.4.3. A3 – PRODUCTION

Module A3 covers all production-related process – including the production of luminaire components, their packaging and internal transport.

A schematic of the production line for luminaire at KLUŚ sp. z o.o. is shown in Fig.5.2 .

This module takes into account energy consumption and waste generated in the production plant, as well as losses generated in the production process.



Figure 5.2: Production process

5.4.4. C1-C2 – DEMOLITION AND TRANSPORT

The end of life stage commence with demolition. C1 module covers object's deconstruction within selective waste collection at deconstruction location (tab. 5.2.).

C2 module is the beginning of waste treatment and describe waste transport. It was assumed that waste transport carried out to waste management plant and landfill (tab. 5.2.). For calculation purposes European fuel averages are applied.

5.4.5. C3-C4 – WASTE PROCESSING AND MANAGEMENT

For the purpose of life cycle analysis, scenarios were developed for modules C3 and C4. In C3 module was assumed that 80% of waste electrical and electronic equipment is recovered. The remaining 20% of waste luminaire will undergo landfilling (tab.5.2.).

Table 5.2: End of life scenario for luminaire

Module	Assumption
C1	Manually deconstruction
C2	50 km – landfill 50 km – waste management plant
C3	80% recovery
C4	20% landfilling

5.4.6. D – BENEFITS AND LOADS BEYOND THE SYTEM BOUNDARY

Module D describe the environmental benefits and loads of reuse, recycling and energy recovery of waste materials at the end of life.

In the adapted scenario, 80% of electrical waste is recovered (material and/or energy).

DATA COLLECTION PERIOD	The data regarding the production of products refer to period from 01.01.2024 to 31.12.2024
DATA QUALITY	The values determined to calculate the LCA originate from verified KLUŚ sp. z o.o. inventory data. The LCA analysis uses data prepared based on actual consumption at the production site. The details collected are no more than two years old.
CALCULATION RULES	The impacts of the representative KLUŚ sp. z o.o. products were aggregated using weighted average. The weighted average method was used according to the percentage of each product based on the relations to whole production quantity. Impacts were calculated for all luminaire and are shown in Tables 6.3, 6.4, 6.5. The LCA analysis was conducted in accordance with the EN 15804+A2.

CUT-OFF CRITERIA

All-important parameters from collected production data, i.e. all materials used by recipe, electricity consumed, internal fuel consumption and thermal energy, direct production waste, and the results of all available emission measurements were included in the calculations. In accordance with EN 15804, machinery and equipment (capital assets) needed for and during production, as well as the transportation of production facility employees, were not included. The sum of the omitted total mass flows does not exceed 1% and excluded consumption of renewable and non-renewable primary energy is no more than 1% according to EN 15804+A2.

BACKGROUND DATA

The main source of general and auxiliary data is the Ecoinvent 3.9 database.

6. LIFE CYCLE ASSESSMENT (LCA) - RESULTS

Life cycle assessment (LCA) of this environmental declaration covers A1-A3, C1-C4, D modules („cradle to gate” with C1-C4, D). Table 6.1. shows the LCA modules considered in calculating the environmental impact categories for the products covered by this declaration.

Table 6.1: Modules defined and not declared in system boundaries

Product stage			Construction process stage		Use stage							End of life stage				
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use stage	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse, recovery, recycling potential
X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	X	X	X	X	X

X – modules defined

MND – modules not declared

Indicators describing environmental impact of product can be categorized as general environmental impacts, additional impacts and environmental aspects related to resources. The abbreviations and its explanations used to describe the environmental impact of luminaire are shown below (tab. 6.2).

The tables 6.3, 6.4, 6.5 present the results of the LCA analysis for luminaire products.

Table 6.2: Abbreviations and its explanations used in LCA analysis

ENVIRONMENTAL IMPACT INDICATORS	
GWP-total	Global Warming Potential – total
GWP-fossil	Global Warming Potential - fossil
GWP-biogenic	Global Warming Potential - biogenic
GWP-luluc	Global Warming Potential - land use and land use change
ODP	Stratospheric ozone depletion potential
AP	Soil and water acidification potential
EP-freshwater	Eutrophication potential - freshwater
EP-marine	Eutrophication potential - seawater
EP-terrestrial	Eutrophication potential - terrestrial
POCP	Potential for photochemical ozone synthesis

ADP-minerals & metals*	Potential for depletion of abiotic resources - non-fossil resources
ADP-fossil*	Abiotic depletion potential – fossil fuels
WDP	Water deprivation potential

ENVIRONMENTAL ASPECTS RELATED TO RESOURCE INDICATORS

PERE	Use of renewable primary energy excluding renewable primary energy resources used as raw materials
PERM	Use of renewable primary energy resources used as raw materials
PERT	Total use of renewable primary energy resources
PEN-RE	Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials
RE	Use of non-renewable primary energy resources used as raw materials
PENRT	Total use of non-renewable primary energy resources
SM	Use of secondary material
RSF	Use of renewable secondary fuels
NRSF	Use of non-renewable secondary fuels
FW	Use of net fresh water

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES INDICATORS

HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
RWD	Radioactive waste disposed
CRU	Components for reuse
MFR	Materials for recycling
MER	Materials for energy recovery
EEE	Exported electrical energy
EET	Exported thermal energy

ADDITIONAL ENVIRONMENTAL IMPACTS INDICATORS

PM	Particulate matter
IRP**	Potential human exposure efficiency relative to U235
ETP-fw*	Potential comparative toxic unit for ecosystems
HTP-c*	Potential comparative toxic unit for humans (cancer effects)
HTP-nc*	Potential comparative toxic unit for humans (non-cancer effects)
SQP*	Potential soil quality index

*The results should be used with caution because there is high uncertainty or limited experience with this indicators.

**Apply mainly the possible impact of the nuclear fuel cycle on human health resulting from low ionizing radiation.

ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

Table 6.3: LCA analysis results for luminaire weight 0,1-1,5 kg/lin. m

Results per 1 mb: luminaire weight 0,1-1,5 kg/lin. m										
ENVIRONMENTAL IMPACTS										
PARAMETER	UNIT	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP-total	eq. kg CO2	7.01E+01	1.23E+01	1.49E+00	8.39E+01	0.00E+00	4.01E-03	7.29E-01	1.20E-01	-4.51E+00
GWP-fossil	eq. kg CO2	6.92E+01	1.23E+01	1.82E+00	8.33E+01	0.00E+00	4.01E-03	7.02E-01	8.69E-03	-4.47E+00
GWP-biogenic	eq. kg CO2	6.81E-01	1.03E-02	-3.33E-01	3.58E-01	0.00E+00	3.07E-06	2.67E-02	1.11E-01	-6.93E-03
GWP-luluc	eq. kg CO2	1.76E-01	7.17E-03	9.55E-04	1.84E-01	0.00E+00	1.95E-06	1.74E-04	3.49E-06	-2.65E-02
ODP	eq. kg CFC 11	3.50E-06	2.67E-07	2.15E-08	3.79E-06	0.00E+00	9.09E-11	2.94E-09	5.66E-11	1.94E-06
AP	mol H+	4.62E-01	2.60E-02	9.82E-03	4.98E-01	0.00E+00	9.92E-06	7.89E-04	2.75E-05	-1.19E-01
EP-freshwater	eq. kg P	3.62E-02	1.04E-03	1.06E-03	3.83E-02	0.00E+00	2.96E-07	4.90E-05	2.55E-06	-9.70E-03
EP-marine	eq. kg N	8.15E-02	6.06E-03	1.80E-03	8.93E-02	0.00E+00	2.70E-06	2.29E-04	2.86E-04	-7.92E-03
EP-terrestrial	eq. mol N	8.14E-01	6.12E-02	1.79E-02	8.94E-01	0.00E+00	2.77E-05	2.10E-03	7.78E-05	-9.79E-02
POCP	eq. kg NMVOC	2.48E-01	3.85E-02	6.58E-03	2.93E-01	0.00E+00	1.62E-05	5.90E-04	5.91E-05	-3.03E-02
ADP-minerals & metals*	eq. kg Sb.	1.47E-03	5.49E-05	8.62E-06	1.53E-03	0.00E+00	1.15E-08	2.52E-06	1.03E-08	-1.27E-03
ADP-fossil*	MJ	9.37E+02	1.74E+02	4.42E+01	1.15E+03	0.00E+00	6.13E-02	1.30E+00	5.54E-02	-5.61E+01
WDP	eq. m3	3.74E+01	9.87E-01	1.12E+00	3.95E+01	0.00E+00	3.15E-04	4.79E-02	5.07E-04	-2.63E+00
ENVIRONMENTAL ASPECTS RELATED TO RESOURCES										
PERE	MJ	1.16E+02	3.74E+00	5.89E+00	1.25E+02	0.00E+00	8.89E-04	1.74E-01	2.59E-03	-1.27E+01
PERM	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	9.36E-05
PERT	MJ	1.16E+02	3.74E+00	5.89E+00	1.25E+02	0.00E+00	8.89E-04	1.74E-01	2.59E-03	-1.27E+01
PEN-RE	MJ	9.15E+02	1.59E+02	4.06E+01	1.11E+03	0.00E+00	5.59E-02	1.37E+00	5.17E-02	-5.51E+01
PENRM	MJ	2.34E+01	1.48E+01	3.61E+00	4.17E+01	0.00E+00	5.31E-03	3.96E-02	3.78E-03	-1.52E+00
PENRT	MJ	9.38E+02	1.74E+02	4.42E+01	1.16E+03	0.00E+00	6.13E-02	1.41E+00	5.54E-02	-5.66E+01
SM	MJ	2.39E+00	2.65E-01	1.96E-01	2.85E+00	0.00E+00	6.13E-05	7.29E-01	7.41E-05	2.06E-01
RSF	MJ	1.02E+00	8.76E-02	4.62E-02	1.15E+00	0.00E+00	1.49E-05	1.67E-03	2.42E-05	-5.16E-02
NRSF	MJ	2.84E+00	3.92E-01	1.14E-01	3.34E+00	0.00E+00	3.10E-05	5.28E-03	6.66E-05	-1.92E-01
FW	m3	8.85E-01	2.43E-02	3.88E-02	9.48E-01	0.00E+00	8.17E-06	2.03E-03	4.88E-05	-1.34E-01

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES

HWD	kg	3.84E+00	1.72E-01	4.76E-02	4.06E+00	0.00E+00	5.74E-05	1.52E-02	1.29E-04	-4.53E-01
NHWD	kg	2.41E+00	5.32E+00	9.56E-02	7.82E+00	0.00E+00	5.27E-03	7.06E-02	1.61E-01	-2.59E-01
RWD	kg	2.40E-03	8.47E-05	2.51E-05	2.51E-03	0.00E+00	1.85E-08	3.16E-06	4.94E-08	-7.20E-05
CRU	kg	-6.61E-21	-9.86E-21	3.12E-23	-1.64E-20	0.00E+00	-1.16E-24	5.31E-23	1.46E-23	2.35E-08
MFR	kg	2.13E+00	2.40E-01	8.15E-02	2.45E+00	0.00E+00	5.28E-05	7.25E-01	5.72E-05	-2.28E-01
MER	kg	9.28E-07	0.00E+00	0.00E+00	9.28E-07	0.00E+00	0.00E+00	1.88E-08	0.00E+00	0.00E+00
EEE	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	7.53E-06
EET	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

ADDITIONAL IMPACTS

PM	Disease incidence	4.05E-06	6.51E-07	7.33E-08	4.77E-06	0.00E+00	3.97E-10	1.01E-08	3.58E-10	5.12E-06
IRP**	eq. kBq U235	8.24E+00	3.43E-01	9.87E-02	8.69E+00	0.00E+00	7.67E-05	1.34E-02	2.03E-04	-3.15E-01
ETP-fw*	CTUe	3.97E+02	9.12E+01	5.70E+00	4.93E+02	0.00E+00	2.92E-02	1.89E+00	4.10E-01	-1.46E+02
HTTP-c*	CTUh	5.80E-08	6.23E-09	2.63E-09	6.69E-08	0.00E+00	1.79E-12	1.47E-10	5.16E-12	8.60E-08
HTTP-nc*	CTUh	1.60E-06	1.21E-07	2.19E-08	1.74E-06	0.00E+00	4.38E-11	6.49E-09	2.35E-10	6.16E-06
SQP*	dimensionless	1.92E+02	7.15E+01	2.82E+01	2.92E+02	0.00E+00	6.17E-02	1.06E+00	9.55E-02	-3.73E+01

ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

Table 6.4: LCA analysis results for luminaire weight 1,5-2,5 kg/lin. m

Results per 1 mb: luminaire weight 1,5-2,5 kg/lin. m										
ENVIRONMENTAL IMPACTS										
PARAMETER	UNIT	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP-total	eq. kg CO2	1.74E+02	3.09E+01	4.10E+00	2.09E+02	0.00E+00	1.00E-02	1.91E+00	3.00E-01	-1.34E+01
GWP-fossil	eq. kg CO2	1.72E+02	3.08E+01	5.01E+00	2.08E+02	0.00E+00	1.00E-02	1.84E+00	2.17E-02	-1.33E+01
GWP-biogenic	eq. kg CO2	1.69E+00	2.60E-02	-9.15E-01	8.03E-01	0.00E+00	7.67E-06	6.64E-02	2.78E-01	-3.30E-02
GWP-luluc	eq. kg CO2	4.36E-01	1.80E-02	2.62E-03	4.57E-01	0.00E+00	4.88E-06	4.33E-04	8.73E-06	-9.37E-02
ODP	eq. kg CFC 11	8.69E-06	6.71E-07	5.90E-08	9.42E-06	0.00E+00	2.27E-10	7.40E-09	1.42E-10	-2.78E-02
AP	mol H+	1.15E+00	6.55E-02	2.70E-02	1.24E+00	0.00E+00	2.48E-05	1.98E-03	6.87E-05	-3.13E-01
EP-freshwater	eq. kg P	9.00E-02	2.61E-03	2.92E-03	9.55E-02	0.00E+00	7.39E-07	1.22E-04	6.37E-06	-2.50E-02
EP-marine	eq. kg N	2.02E-01	1.52E-02	4.93E-03	2.23E-01	0.00E+00	6.75E-06	5.81E-04	7.15E-04	-2.16E-02
EP-terrestrial	eq. mol N	2.02E+00	1.54E-01	4.91E-02	2.23E+00	0.00E+00	6.93E-05	5.33E-03	1.95E-04	-2.60E-01
POCP	eq. kg NMVOC	6.16E-01	9.68E-02	1.81E-02	7.31E-01	0.00E+00	4.05E-05	1.49E-03	1.48E-04	-8.13E-02
ADP-minerals & metals*	eq. kg Sb.	3.64E-03	1.38E-04	2.37E-05	3.80E-03	0.00E+00	2.87E-08	6.27E-06	2.57E-08	-3.11E-03
ADP-fossil*	MJ	2.33E+03	4.37E+02	1.21E+02	2.89E+03	0.00E+00	1.53E-01	3.24E+00	1.39E-01	-1.67E+02
WDP	eq. m3	9.30E+01	2.48E+00	3.08E+00	9.85E+01	0.00E+00	7.86E-04	1.23E-01	1.27E-03	-8.62E+00
ENVIRONMENTAL ASPECTS RELATED TO RESOURCES										
PERE	MJ	2.87E+02	9.42E+00	1.62E+01	3.13E+02	0.00E+00	2.22E-03	4.34E-01	6.47E-03	-3.95E+01
PERM	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
PERT	MJ	2.87E+02	9.42E+00	1.62E+01	3.13E+02	0.00E+00	2.22E-03	4.34E-01	6.47E-03	-3.95E+01
PEN-RE	MJ	2.27E+03	4.00E+02	1.11E+02	2.78E+03	0.00E+00	1.40E-01	3.43E+00	1.29E-01	-1.64E+02
PENRM	MJ	5.81E+01	3.72E+01	9.90E+00	1.05E+02	0.00E+00	1.33E-02	9.94E-02	9.45E-03	-3.75E+00
PENRT	MJ	2.33E+03	4.37E+02	1.21E+02	2.89E+03	0.00E+00	1.53E-01	3.53E+00	1.39E-01	-1.68E+02
SM	MJ	5.94E+00	6.67E-01	5.39E-01	7.15E+00	0.00E+00	1.53E-04	1.81E+00	1.85E-04	4.96E-01
RSF	MJ	2.53E+00	2.21E-01	1.27E-01	2.88E+00	0.00E+00	3.74E-05	4.14E-03	6.05E-05	-1.34E-01
NRSF	MJ	7.04E+00	9.86E-01	3.13E-01	8.34E+00	0.00E+00	7.75E-05	1.31E-02	1.67E-04	-5.00E-01
FW	m3	2.20E+00	6.13E-02	1.06E-01	2.37E+00	0.00E+00	2.04E-05	5.18E-03	1.22E-04	-3.84E-01

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES

HWD	kg	9.54E+00	4.34E-01	1.31E-01	1.01E+01	0.00E+00	1.44E-04	3.92E-02	3.21E-04	-1.58E+00
NHWD	kg	5.98E+00	1.34E+01	2.62E-01	1.96E+01	0.00E+00	1.32E-02	1.77E-01	4.01E-01	-9.39E-01
RWD	kg	5.96E-03	2.13E-04	6.89E-05	6.24E-03	0.00E+00	4.63E-08	7.87E-06	1.24E-07	-5.61E-04
CRU	kg	-1.64E-20	-2.48E-20	8.57E-23	-4.12E-20	0.00E+00	-2.91E-24	1.32E-22	3.66E-23	2.97E-20
MFR	kg	5.30E+00	6.03E-01	2.24E-01	6.12E+00	0.00E+00	1.32E-04	1.80E+00	1.43E-04	-5.76E-01
MER	kg	2.31E-06	0.00E+00	0.00E+00	2.31E-06	0.00E+00	0.00E+00	4.67E-08	0.00E+00	-6.33E-07
EEE	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
EET	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

ADDITIONAL IMPACTS

PM	Disease incidence	1.01E-05	1.64E-06	2.01E-07	1.19E-05	0.00E+00	9.92E-10	2.52E-08	8.95E-10	-1.09E-06
IRP**	eq. kBq U235	2.05E+01	8.64E-01	2.71E-01	2.16E+01	0.00E+00	1.92E-04	3.34E-02	5.07E-04	-1.35E+00
ETP-fw*	CTUe	9.85E+02	2.29E+02	1.56E+01	1.23E+03	0.00E+00	7.31E-02	4.88E+00	1.02E+00	-3.65E+02
HTTP-c*	CTUh	1.44E-07	1.57E-08	7.20E-09	1.67E-07	0.00E+00	4.47E-12	3.74E-10	1.29E-11	-4.00E-08
HTTP-nc*	CTUh	3.96E-06	3.04E-07	6.00E-08	4.33E-06	0.00E+00	1.09E-10	1.64E-08	5.89E-10	-3.40E-06
SQP*	dimensionless	4.78E+02	1.80E+02	7.74E+01	7.35E+02	0.00E+00	1.54E-01	2.64E+00	2.39E-01	-9.32E+01

ENVIRONMENTAL PRODUCT DECLARATION LUMINAIRE

Table 6.5: LCA analysis results for luminaire weight 2,5-6 kg/lin. m

Results per 1 mb: luminaire weight 2,5-6 kg/lin. m										
ENVIRONMENTAL IMPACTS										
PARAMETER	UNIT	A1	A2	A3	A1-A3	C1	C2	C3	C4	D
GWP-total	eq. kg CO2	3.72E+02	6.51E+01	8.61E+00	4.46E+02	0.00E+00	2.13E-02	4.07E+00	6.38E-01	-2.86E+01
GWP-fossil	eq. kg CO2	3.67E+02	6.50E+01	1.05E+01	4.43E+02	0.00E+00	2.13E-02	3.92E+00	4.61E-02	-2.84E+01
GWP-biogenic	eq. kg CO2	3.61E+00	5.47E-02	-1.92E+00	1.75E+00	0.00E+00	1.63E-05	1.42E-01	5.92E-01	-7.05E-02
GWP-luluc	eq. kg CO2	9.31E-01	3.80E-02	5.51E-03	9.75E-01	0.00E+00	1.04E-05	9.22E-04	1.86E-05	-2.00E-01
ODP	eq. kg CFC 11	1.86E-05	1.41E-06	1.24E-07	2.01E-05	0.00E+00	4.83E-10	1.58E-08	3.01E-10	-5.94E-02
AP	mol H+	2.45E+00	1.38E-01	5.66E-02	2.65E+00	0.00E+00	5.27E-05	4.23E-03	1.46E-04	-6.68E-01
EP-freshwater	eq. kg P	1.92E-01	5.50E-03	6.13E-03	2.04E-01	0.00E+00	1.57E-06	2.60E-04	1.35E-05	-5.32E-02
EP-marine	eq. kg N	4.32E-01	3.21E-02	1.04E-02	4.75E-01	0.00E+00	1.44E-05	1.24E-03	1.52E-03	-4.61E-02
EP-terrestrial	eq. mol N	4.32E+00	3.25E-01	1.03E-01	4.75E+00	0.00E+00	1.47E-04	1.14E-02	4.14E-04	-5.55E-01
POCP	eq. kg NMVOC	1.32E+00	2.04E-01	3.79E-02	1.56E+00	0.00E+00	8.60E-05	3.18E-03	3.14E-04	-1.73E-01
ADP-minerals & metals*	eq. kg Sb.	7.78E-03	2.91E-04	4.97E-05	8.12E-03	0.00E+00	6.10E-08	1.34E-05	5.47E-08	-6.61E-03
ADP-fossil*	MJ	4.97E+03	9.21E+02	2.55E+02	6.15E+03	0.00E+00	3.25E-01	6.90E+00	2.94E-01	-3.55E+02
WDP	eq. m3	1.99E+02	5.24E+00	6.48E+00	2.10E+02	0.00E+00	1.67E-03	2.62E-01	2.69E-03	-1.84E+01
ENVIRONMENTAL ASPECTS RELATED TO RESOURCES										
PERE	MJ	6.13E+02	1.99E+01	3.40E+01	6.67E+02	0.00E+00	4.72E-03	9.24E-01	1.37E-02	-8.44E+01
PERM	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
PERT	MJ	6.13E+02	1.99E+01	3.40E+01	6.67E+02	0.00E+00	4.72E-03	9.24E-01	1.37E-02	-8.44E+01
PEN-RE	MJ	4.85E+03	8.42E+02	2.34E+02	5.93E+03	0.00E+00	2.97E-01	7.30E+00	2.74E-01	-3.50E+02
PENRM	MJ	1.24E+02	7.83E+01	2.08E+01	2.23E+02	0.00E+00	2.82E-02	2.12E-01	2.01E-02	-7.98E+00
PENRT	MJ	4.98E+03	9.21E+02	2.55E+02	6.15E+03	0.00E+00	3.25E-01	7.52E+00	2.95E-01	-3.58E+02
SM	MJ	1.27E+01	1.41E+00	1.13E+00	1.52E+01	0.00E+00	3.26E-04	3.87E+00	3.94E-04	1.06E+00
RSF	MJ	5.41E+00	4.65E-01	2.67E-01	6.15E+00	0.00E+00	7.94E-05	8.83E-03	1.29E-04	-2.86E-01
NRSF	MJ	1.50E+01	2.08E+00	6.58E-01	1.78E+01	0.00E+00	1.65E-04	2.80E-02	3.54E-04	-1.07E+00
FW	m3	4.69E+00	1.29E-01	2.24E-01	5.05E+00	0.00E+00	4.34E-05	1.11E-02	2.59E-04	-8.19E-01

**ENVIRONMENTAL PRODUCT DECLARATION
LUMINAIRE**

ENVIRONMENTAL INFORMATION DESCRIBING WASTE CATEGORIES

HWD	kg	2.04E+01	9.14E-01	2.75E-01	2.16E+01	0.00E+00	3.05E-04	8.36E-02	6.83E-04	-3.36E+00
NHWD	kg	1.28E+01	2.82E+01	5.51E-01	4.16E+01	0.00E+00	2.80E-02	3.77E-01	8.53E-01	-2.00E+00
RWD	kg	1.27E-02	4.49E-04	1.45E-04	1.33E-02	0.00E+00	9.84E-08	1.68E-05	2.62E-07	-1.20E-03
CRU	kg	-3.51E-20	-5.23E-20	1.80E-22	-8.72E-20	0.00E+00	-6.18E-24	2.82E-22	7.78E-23	6.30E-20
MFR	kg	1.13E+01	1.27E+00	4.70E-01	1.31E+01	0.00E+00	2.80E-04	3.85E+00	3.04E-04	-1.23E+00
MER	kg	4.93E-06	0.00E+00	0.00E+00	4.93E-06	0.00E+00	0.00E+00	9.97E-08	0.00E+00	-1.35E-06
EEE	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
EET	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

ADDITIONAL IMPACTS

PM	Disease incidence	2.15E-05	3.45E-06	4.23E-07	2.54E-05	0.00E+00	2.11E-09	5.37E-08	1.90E-09	-2.32E-06
IRP**	eq. kBq U235	4.37E+01	1.82E+00	5.69E-01	4.61E+01	0.00E+00	4.07E-04	7.13E-02	1.08E-03	-2.88E+00
ETP-fw*	CTUe	2.10E+03	4.84E+02	3.29E+01	2.62E+03	0.00E+00	1.55E-01	1.04E+01	2.18E+00	-7.78E+02
HTTP-c*	CTUh	3.08E-07	3.31E-08	1.51E-08	3.56E-07	0.00E+00	9.50E-12	7.97E-10	2.74E-11	-8.51E-08
HTTP-nc*	CTUh	8.46E-06	6.40E-07	1.26E-07	9.23E-06	0.00E+00	2.33E-10	3.50E-08	1.25E-09	-7.24E-06
SQP*	dimensionless	1.02E+03	3.79E+02	1.63E+02	1.56E+03	0.00E+00	3.28E-01	5.64E+00	5.08E-01	-1.98E+02

7. REFERENCES

- ISO 14025:2006 Environmental labels and declarations -- Type III environmental declarations -- Principles and procedures
- EN 15804+A2:2019 Sustainability of construction works -- Environmental product declarations -- Core rules for the product category of construction products
- ISO 14044:2006 Environmental management -- Life cycle assessment -- Requirements and guidelines
- EN 15942:2021 Sustainability of construction works -- Environmental product declarations -- Communication format business-to-business
- ISO 14067:2018 Greenhouse gases -- Carbon footprint of products -- Requirements and guidelines for quantification
- ISO 21930:2017 Sustainability in buildings and civil engineering works -- Core rules for environmental product declarations of construction products and services
- EN 16449:2014 Wood and wood-based products – Calculation of the biogenic carbon content of wood and conversion to carbon dioxide
- Ecoinvent 3.9 database



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CERTIFICATE No. 2025-0077

of TYPE III ENVIRONMENTAL DECLARATION

Product:

Luminaire:

- | | | | | |
|--------------------------|---|---------------------------|-----------------------------------|---------------------------|
| - Luminaire 3035 | - Luminaire KOZUS-BOK | - Luminaire PDS-ZMG | - Luminaire TETRA-78 | - Luminaire RAM-KOL-50 |
| - Luminaire 3035-KR-KOZ | - Luminaire KOZUS-CR | - Luminaire PDS-ZM-PLUS | - Luminaire TOST | - Luminaire RAM-KOZE-50 |
| - Luminaire 3035-O | - Luminaire KRAV051N | - Luminaire PIKO | - Luminaire TPK-4 | - Luminaire RAM-TEK-50 |
| - Luminaire 3035-T | - Luminaire KRAV-56 | - Luminaire PIKO-KW | - Luminaire TRIADA | - Luminaire SEKODU |
| - Luminaire 45-16 | - Luminaire KRAV-810 | - Luminaire PIKO-KZ | - Luminaire TRIADA-K | - Luminaire SEKOMA |
| - Luminaire 45-ALU | - Luminaire KUBIK-45 | - Luminaire PIKO-O | - Luminaire STALALIGHT S-WALL / S | - Luminaire SEPOD |
| - Luminaire 45-PLUS | - Luminaire LARKO | - Luminaire PIKO-DUO | - Luminaire STALALIGHT M-WALL / M | - Luminaire Tes-16 |
| - Luminaire FASKO | - Luminaire LIPOD | - Luminaire PIKO-ZM | - Luminaire WERKIN | - Luminaire TES-16 |
| - Luminaire Foled | - Luminaire LIT-L | - Luminaire PLAKIN-DUO | - Luminaire 4050 | - Luminaire Tese |
| - Luminaire FOLED-BOK | - Luminaire LOC-30 | - Luminaire POLI | - Luminaire 4050-O | - Luminaire TESE |
| - Luminaire FOLED-SUF | - Luminaire LOKOM | - Luminaire Por | - Luminaire 4050-W | - Luminaire BOX |
| - Luminaire GIZA-DUO-LL | - Luminaire MICRO-30DEG-K | - Luminaire RAM-3035-KOZE | - Luminaire ATRA | - Luminaire DES |
| - Luminaire GIZA-LL | - Luminaire MICRO-30DEG-KOZ | - Luminaire RAM-KOL-100 | - Luminaire Box-K | - Luminaire DIPOK-US |
| - Luminaire GIZA-LL-T | - Luminaire MICRO-ALU | - Luminaire RAM-TEK-100 | - Luminaire Box-M | - Luminaire EX-ALU |
| - Luminaire GIZA-LL-UST | - Luminaire MICRO-H | - Luminaire REGULOR | - Luminaire DIPOKET | - Luminaire GLADES |
| - Luminaire GIZA-LL-ZMG | - Luminaire MICRO-HG | - Luminaire Roger | - Luminaire FOLED-50 | - Luminaire INTER-PLUS-UI |
| - Luminaire GLAD-45 | - Luminaire MICRO-K | - Luminaire SILER | - Luminaire FOLED-50-BOK | - Luminaire KIDES |
| - Luminaire GLAZA-DUO | - Luminaire MICRO-NK | - Luminaire STEKO | - Luminaire FOLED-50-SUF | - Luminaire KIDES-DUO |
| - Luminaire GLAZA-LL | - Luminaire MICRO-PLUS | - Luminaire STEKO | - Luminaire HR-LINE | - Luminaire MIFOR |
| - Luminaire HR-ALU | - Luminaire NISA-KON | - Luminaire STEKO-PLUS | - Luminaire HR-MAX | - Luminaire MIFOR-70 |
| - Luminaire HR-OPTI | - Luminaire NISA-KRA | - Luminaire STOS-ALU | - Luminaire HR-MAX-T | - Luminaire MOD-100 |
| - Luminaire HR-SLIM | - Luminaire NISA-NI | - Luminaire TAKO | - Luminaire HR-MAX-TW | - Luminaire MOD-50 |
| - Luminaire HR-SLIM -KOZ | - Luminaire NISA-PLA | - Luminaire TAMI | - Luminaire Idol | - Luminaire MOD-MOS-100 |
| - Luminaire JAZ | - Luminaire NISA-KRA-PLUS (NISA-KRA-V2) | - Luminaire TAN-C5 | - Luminaire Ikona | - Luminaire MOD-MOS-50 |
| - Luminaire ROLL | - Luminaire OKIN | - Luminaire TAPO | - Luminaire IKON KPL | - Luminaire OMODO-100 |
| - Luminaire PRISM | - Luminaire OLEK | - Luminaire TE-4 | - Luminaire Imet | - Luminaire OMODO-50 |
| - Luminaire JAZ-DUO | - Luminaire OLIS | - Luminaire TEKIN | - Luminaire Inter | - Luminaire POK-US |
| - Luminaire KOPRO | - Luminaire OLIS-K | - Luminaire TEKNIK | - Luminaire INTER | - Luminaire PULA |
| - Luminaire KOPRO-30 | - Luminaire Onisa | - Luminaire TEKNIK-ZM | - Luminaire INTER-PLUS | - Luminaire RAM-KOZE-10 |
| - Luminaire KOPROMA | - Luminaire OPK-4 | - Luminaire TEKNIK-ZM-TK | - Luminaire KOZUS-50 | - Luminaire SERPENT |
| - Luminaire KOZEL | - PIKAN - DUO+KOZ+CR | - Luminaire TEKUS-ZM | - Luminaire LARKO-50 | - Luminaire SERPENT PLUS |
| - Luminaire KOZEL-10 | - POKAN - DUO+KOZ+CR | - Luminaire TELIT-L | - Luminaire LIPOD-50 | - Luminaire STEP |
| - Luminaire KOZEL-10-BD | - Luminaire PDS-4-PLUS | - Luminaire TENIKON | - Luminaire LIPOD-50-DUO | - Luminaire STEPUS |
| - Luminaire KOZMA | - Luminaire PDS-H | - Luminaire TENIKRA | - Luminaire NIBO | - Luminaire TULIP / FLORI |
| - Luminaire KOZMA-22 | - Luminaire PDS-NK | - Luminaire TEPIKO | - Luminaire OBIT | - Luminaire UPTER |
| - Luminaire KOZMA-22-BOK | - Luminaire PDS-O | - Luminaire Tespo | - Luminaire PLAKIN-DUO | - Luminaire SZYNOPRZEWC |
| - Luminaire KOZMA-BD | - Luminaire PDS-T | - Luminaire TEST-36 | - Luminaire POKET | - Luminaire FOMI |
| - Luminaire KOZUS | - Luminaire PDS-T-BOK | - Luminaire TEST-74 | - Luminaire POK-US | |
| - Luminaire KOZUS-BD | - Luminaire PDS-UST | - Luminaire TETRA-43 | | |

Manufacturer:

KLUŚ Sp. z o.o.

ul. Słoneczna 126

05-506 Kolonia Lesznowola

NIP: 123-147-44-54

confirms the correctness of the data included in the development of the Type III Environmental Declaration and accordance with the requirements of the standard:

PN-EN ISO 14025:2010

With the use of complementary standard **EN 15804+A2:2019**

This certificate, issued for the first time on 05/08/2025 and is valid for 5 years or until amendment of mentioned Environmental Declaration.



**Director of the Certification
Department**

CERTBUD Sp. z o.o.

K. Pawłowski

Kamil PAWŁOWSKI

Warsaw, 05/08/2025 r.