Results Summary – Nextrema G3 B 4000-840 ET

	Material acquisition & pre-processing	Percent change since 2016	Production	Percent change since 2016	Distribution & Storage	Percent change since 2016	Use	Percent change since 2016	End-of-life	Percent change since 2016
	kg CO_2-equivalents									
Ø	96.022	-25%	1.322	-37%	0.711	+112%	855.678	-8%	0.924	+9%
D	96.022	-25%	1.322	-37%	0.084	+121%	1,474.665	-10%	0.924	+9%
F	96.022	-25%	1.322	-37%	1.339	+112%	236.691	+4	0.924	+9%

Assessed Product

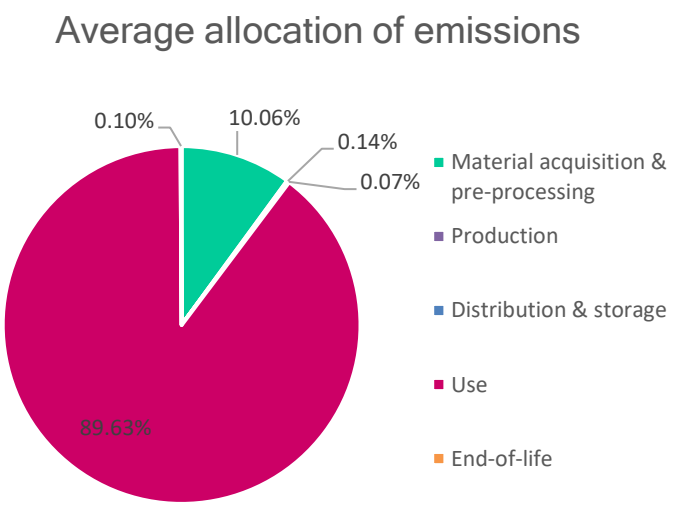
The Product Carbon Footprint describes the climate impact of the Nextrema G3 B 4000-840 ET. The moisture-proof luminaire produced by TRILUX GmbH & Co. KG is suitable for stairwells, covered outdoor spaces not exposed to weather conditions, refrigerated warehouses, industrial facilities, business spaces, tunnels, multistory car parks and all other types of damp locations. The calculated average greenhouse gas emissions of the product amount to:

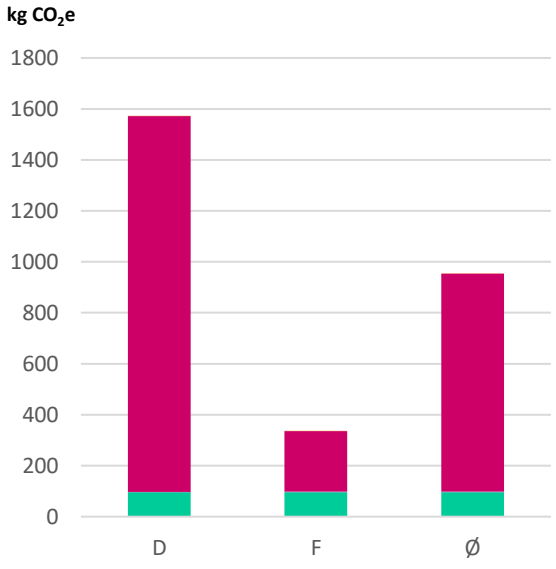
954.658 kg CO_2e

Functional Unit
The functional unit of this Product Carbon Footprint is the entire service life of a typical Nextrema G3 B 4000-840 ET product system.
For product distribution and use, the three geographical regions (D & F) are distinguished.

Key Figures
Total weight: 2.9 kg
Service life: min. 85,000 h
Power: 30 Watt

Assessment
Standard: Product Life Cycle Accounting and Reporting Standard
Conducted by: CO_2OL, Bonn
Date: 04.02.2020
Contact person: Patrick Fortyr





Update record

The changes made to the accounting methodology are described below. Changes in activity data since 2016, such as changes in the weight of installed parts, are not explicitly mentioned. This information is directly available to Trilux.

Emission source	Comments	Change in emission factor from 2016 [%]
Aluminium body	New emission factor. The emission factor used in 2016 was not updated.	+16.22
Mounting plates	New emission factor. The emission factor used in 2016 was not updated.	+16.22
Control gear box	Control gear box, LED circuit boards and cables were reported as compound items in 2016. New emission factors allowed the three components to be reported separately. This has resulted in a more precise calculation. In 2016, a more conservative emission factor was used.	+17.39
LED circuit board	See above	-66.75
Cables	See above	-98.02
Transport by truck	New emission factor. The emission factor used in 2016 was not updated.	+98.85
Transport by boat	Emission factor unchanged	-12.43
Electricity consumption during production D	Emission factor unchanged	-3.79
Use-phase electricity consumption D	Emission factor unchanged	-9.78
Use-phase electricity consumption F	Emission factor unchanged	+3.70
Material recycling	Emission factor unchanged	+8.72