



EPD Fact Sheet

ENVIRONMENTAL PRODUCT DECLARATION
REVISED 2026



EPD Fact Sheet Contents



What is an EPD	3
What is an LCA	4
EPD Is This Just Another Tick Box Exercise?	5
How Do I Verify an EPD	6
EPD Issuing Bodies (EPD Programme Operators)	9
Orlight EPD Products Library	10

What is an EPD?

An EPD – short for **Environmental Product Declaration** is a verified and certified report (checked by an accredited issuing body)* detailing all product data related to a specific product or family of products, in accordance with ISO 14025 standard. The EPD reports are based on the information from a **Life Cycle Assessment (LCA)** study, in accordance with ISO 14040 standard.

Genuine EPD reports are checked and issued by an accredited issuing body called **EPD Programme Operators (EPD PO)***

EPD reports include:

- Summary of Life Cycle Assessment results
- Environmental impact data
- Product DNA

**Environmental
Product Declaration**

Programme:
The International EPD® System;
www.environdec.com

Programme Operator:
EPD International AB

EPD Registration Number:
EPD-IES-0016599

Publication Date:
2024-11-11

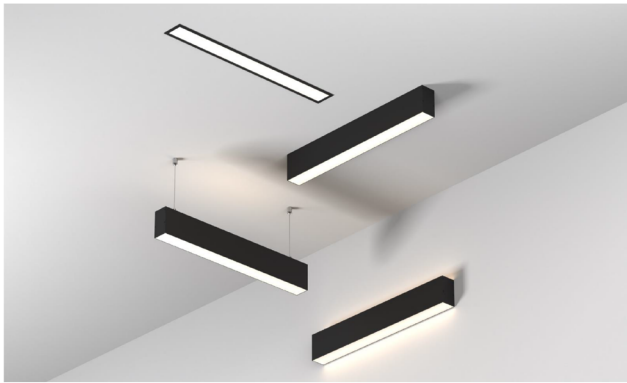
Valid Until:
2029-10-22

In accordance with ISO 14025:2006 and
EN15804:2012+A2:2019/AC:2021 for:

ORLINE
From Orlight Limited

EPD of multiple products, based on a representative product

Product model:
ORLINE-50, ORLINE-50-DUO
ORLINE-60, ORLINE-60-DUO
ORLINE-100, ORLINE-100-DUO



An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

 **EPD**
THE INTERNATIONAL EPD® SYSTEM

www.orlight.com 1

**Environmental
Product Declaration**

representative product per declared unit is 3.05 kg.

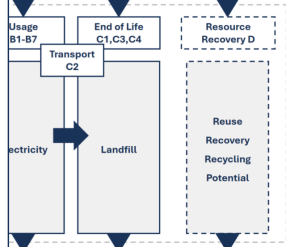
per day for 250 working days per year, the product lasts up to 25

unit process, the cut-off criteria should be set at 1% for both well as 1% for the total mass input of that unit process. The C1-C4 and module D, shall not exceed 5% of energy usage and goods and plants' infrastructure, capital goods, equipment of each excluded.

h, resource use, emissions and wastes from the manufacturing when they leave the unit process, which is the revenue generated from the manufacturing site of Orlight Limited. The revenue is the volume of products.

and with optional modules (A1–A3 + C + D + A4–A5 and B1-B7)

Energy, land use and water



Emissions to air, water and soil

 **EPD**
THE INTERNATIONAL EPD® SYSTEM

www.orlight.com 9

*See EPD issuing bodies on Page 9

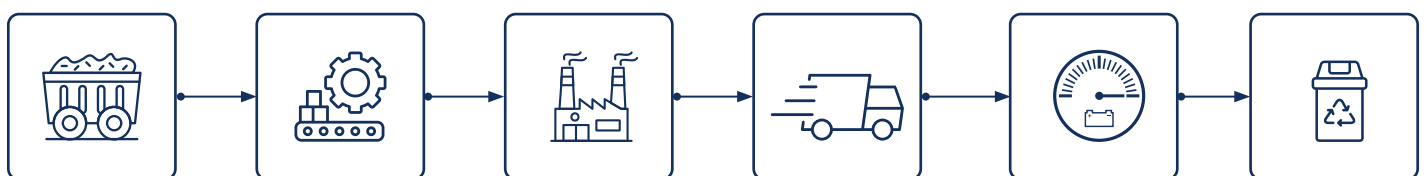
What is an LCA?

A **Life Cycle Assessment (LCA)** is the foundation for creating an EPD and forms part of the information and data contained within the EPD itself. In essence, an LCA is the collection of data whilst the EPD verifies the Data contained within the LCA. So, you have data collection (LCA) coupled with a verification process (EPD).

Example of LCA contained within an EPD

Below is an example of a Life Cycle Assessment (LCA) for a product, incorporating data from all stages, from raw material extraction to end-of-life and recycling:

	Product Stage			Construction Process Stage		Use Stage							End of Life Stage				Resource Recovery Stage
	Raw material supply	Transport	Manufacturing	Transport	Construction Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational Energy Use	Operational Water Use	De-construction Demolition	Transport	Waste Processing	Disposal	Reuse-Recovery-Recycling Potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules Declared	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geography	CN	CN	CN	GLO	GLO	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK



Raw Material Extraction

Evaluates the environmental impact of sourcing materials, like mining or harvesting.

Materials Processing

Looks at the energy and resources used to turn raw materials into usable components.

Manufacturing

Assesses the energy and materials needed to create the final product.

Transportation

Includes the impact of packaging and moving the product to customers.

Use Phase

Examines energy use, maintenance, and emissions during the product's life.

End of Life

Covers disposal, recycling, or repurposing of the product.

In future, this data can be assessed to make informed decisions and comparisons with accelerated outcomes.

Do I need an EPD for every product on my project?

This will depend on the project itself, the employer's requirements, your project contract and your overall commitment to the community in terms of reducing carbon emissions through informed choice.

Currently, an EPD is not a statutory requirement. Although, **major players within the construction industry** are beginning to mandate the use of EPDs within their supply chain.

Additionally, using products with third party verified EPDs that comply with the relevant standards, can contribute to earning BREEAM credits, enhancing the projects sustainability.

A verified product EPD also demonstrates the relevant manufacturer is in control of their supply chain.

Is this yet another "Tick Box" exercise?

An EPD details a product's environmental impact throughout its lifecycle, offering a framework to assess its sustainability and carbon reduction. It is designed to encourage transparency and support more informed decision making within sectors such as construction and manufacturing.

When using products with verified EPDs, you are ensuring your supply chain is invested in ESG (Environmental, Social and Governance) commitments such as reducing environmental impact and carbon footprint, whilst pursuing continual development and improvement.

In future, the data contained within an EPD can be assessed to make informed decisions and comparisons by using EPD assessment tools such as EC3, TALLY LCA, OneClick LCA, which can help you make decisions against the verified data within EPDs.



www.buildingtransparency.org



www.choosetally.com



www.oneclicklca.com

How do I verify an EPD?

It is important you assess any documents presented as EPDs for validity and authentication. There are a lot of misleading documents floating around in the form of PDFs, such as the following:

'Our EPD Commitment'

'EPD Statement of Intent'

'Product EPD Info'

Here is your 5-step guide to verifying a genuine EPD:

STEP 1 Ensure that the EPD Program Operator is branded on the document



EPD Operator Logo

STEP **2** Verify that the program operator is accredited (see page 9) for a list of accredited EPD issuing bodies

STEP **3** Look for:

- Accredited EPD Programme Operator details
- EPD registration number
- EPD publication date
- EPD validity date

Accredited EPD
Programme Operator

EPD Registration Number

EPD Publication Date

EPD Validation Date

orlight[®]
FROM SOURCE TO SITE

Environmental Product Declaration

Programme:
The International EPD[®] System:
www.environdec.com

In accordance with ISO 14025:2006 and
EN15804:2012+A2:2019/AC:2021 for:

Programme Operator:
EPD International AB

ORLINE

From Orlight Limited

EPD Registration Number:
EPD-IES-0016599

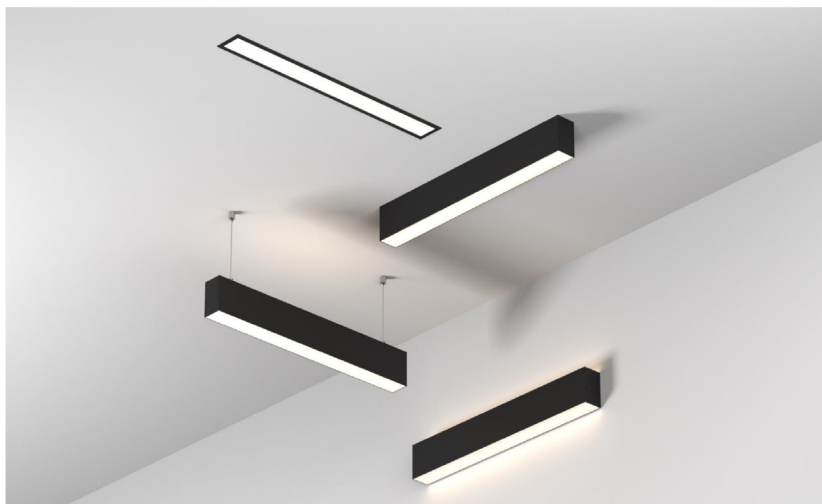
EPD of multiple products, based on a representative product

Publication Date:
2024-11-11

Product model:

ORLINE-50, ORLINE-50-DUO
ORLINE-60, ORLINE-60-DUO
ORLINE-100, ORLINE-100-DUO

Valid Until:
2029-10-22



An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com



www.orlight.com

1

EPD[®]
THE INTERNATIONAL EPD[®] SYSTEM

STEP 4

Ensure that the respective LCA information is contained within the EPD

LCA Information



FROM SOURCE TO SITE

Modules declared, geographical scope, share of specific data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Construction process stage		Use stage								End of life stage				Resource recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential	
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
Modules declared	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Geography	CN	CN	CN	GLO	GLO	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	UK	
Specific data used	0.56%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Variation-products	0%/114.96%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Variation-sites	0%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Content Information				orlight [®] FROM SOURCE TO SITE	
The content information below is based on 1 meter of ORLINE-50 product, which is the representative product within the ORLINE family. The product weight is 3.05 kg, excluding packaging materials. As the share of bio-based/recycled material is unknown, this part of the content declaration is declared as 0% as a conservative estimation.					
Product components	Weight, kg	Post-consumer material, weight-%	Biogenic material, weight-% and kg C/kg		
Polycarbonate	7.00E-02	0	0		
Inverter	1.00E-01	0	0		
LED	1.00E-02	0	0		
Stainless steel	2.00E-02	0	0		
Aluminium	2.70E+00	0	0		
Nylon	4.00E-02	0	0		
Iron	1.00E-02	0	0		
Driver	1.00E-01	0	0		
TOTAL	3.05E+00	0	0		
Packaging materials	Weight, kg	Weight-% (versus the product)	Weight biogenic carbon, kg C/kg		
Corrugated board	5.00E-01	16.39%	0		
TOTAL	5.00E-01	16.39%	0		

STEP 5

Search for the manufacturer/product on the accredited EPD program operator's website. Example: www.environdec.com/library



About
ISC2024
EPD
SPD
PCR
Pricing
Cooperation
Resources






EPD Portal

Filter

orlight

Product Category

Select...

PCR

Select...

Geographical scope

Select...

Validity

Select...

yyyy-mm-dd

☐ Only sector EPDs
☐ Collection

Search

Found 12 matches

CONSTRUCTION PRODUCTS

EPD-IES-0016600.001

NEW

APOLLO & ELIO

Orlight Ltd



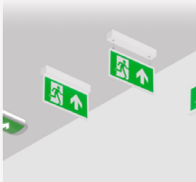
CONSTRUCTION PRODUCTS

EPD-IES-0016601.001

NEW

EXIT-LUME & ALTO

Orlight Ltd



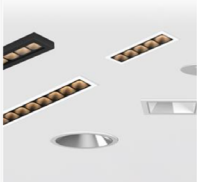
CONSTRUCTION PRODUCTS

EPD-IES-0017781.001

NEW

ORION & GRAFIK

Orlight Ltd



CONSTRUCTION PRODUCTS

EPD-IES-0016597.001

GU10 LED LAMP

CONSTRUCTION PRODUCTS

EPD-IES-0016596.001

RETROFIT

CONSTRUCTION PRODUCTS

EPD-IES-0016250.002

CMF & CUBIC



This is the gold standard for verification as the manufacturer's product can be viewed on the EPD operator's website.

Examples of recognised EPD programme operators.

Organisations that develop, verify and publish EPDs:



UL Environment (UL)



The International EPD System (Envirodec)



ASTM International



SCS Global Services



Global GreenTag



IBU (Institut Bauen und Umwelt e.V.) (Germany)



BRE (Building Research Establishment) (UK)



AFNOR (France)



CSA Group (Canada)



EPD Australasia (Australia and NZ)



EPD Italy



EPD Norway



EPD Turkey



Korean Environmental Product Declaration



EPD Latin America

Programme operator status and recognition can change. Always verify on the relevant programme operators or ECO Platform website.

Orlight's current EPD Product Library (Valid until 2030)

- We have obtained EPDs for the majority of our products
- We currently hold 14 EPDs to cover 46 key product families
- Our EPD programme operator is EPD International (the originators)
- We are continuing to obtain even more EPDs to cover more product families
- You can search for products with EPD on our website on a dedicated section – www.orldight.com/EPD_CertifiedProducts
- Our products are published on EPD International's website (www.environdec.com)
- Our commercial investment for EPDs (to date) is in excess of £500,000
- We intend to continually expand and enhance our EPD product range



MAC



DATA PRO



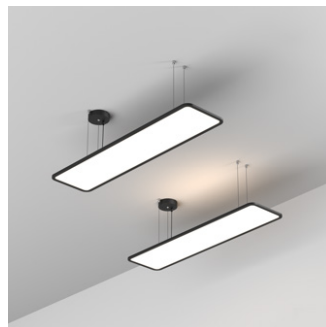
ORLINE-50



ORLINE-60



ORLINE-100



CMF and CMF-DUO



CUBIC



NEBULA SUSPENDED



NEBULA SURFACE



NEBULA



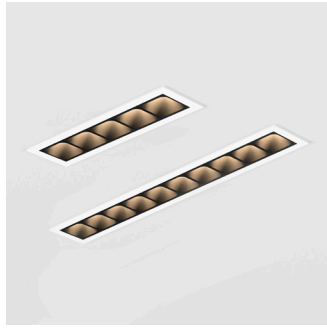
ORION



ELIO



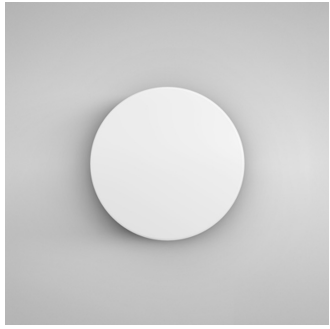
APOLLO



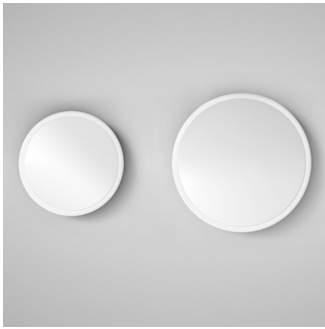
GRAFIK



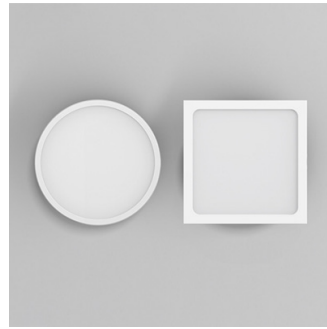
WEATHERPRO



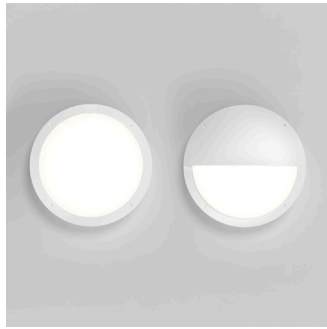
X14



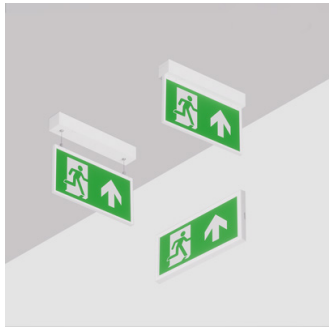
LEO



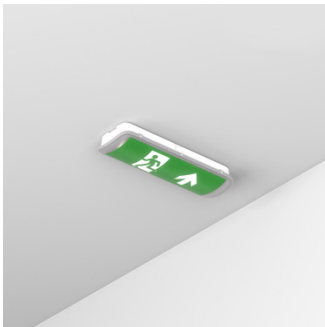
ORL1551



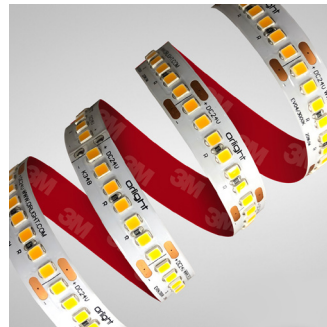
ORLBH



EXIT-LUME



ALTO



EVO



MARINEFLEX



DIABLO



LX4 / LX5



RETROFIT DOWNLIGHTS



sales@orlight.com | 01923 851 890 | www.orlight.com