SYLVANIA

OptiClip TERRA ⊘

THE FIRST PAPER THAT ILLUMINATES YOUR SPACE

Embracing Sustainability with Innovative Lighting Solutions

Gabor ARDO, Senior Product Line Manager

At Sylvania Group, we are dedicated to reducing our ecological footprint and conserving Earth's resources. In response to the urgent need to mitigate harmful substances and recycle materials, we have pioneered eco-friendly alternatives in the lighting industry. Our latest project combines traditional, replaceable light sources with lamp housings made from recycled/recyclable materials, particularly cardboard. This innovative initiative was a collaborative effort involving our top specialists and external cardboard production experts. Our goal was to create a product that is environmentally friendly, energy-efficient, user-friendly, and of high quality. Transforming cardboard from a packaging material into robust, office-suitable light fixtures posed significant challenges, requiring rigorous testing and multiple design iterations. We aimed to meet user expectations and stringent European standards.

What sets this solution apart is its use of 100% recycled certified sustainable cardboard. In our Saint Etienne factory in France, these cardboard sheets are precisely shaped without adhesives, forming the lamp's durable body. The highly efficient, replaceable light source underscores our commitment to sustainability. By printing assembly instructions directly on the product, we further reduce paper waste. Our versatile design, featuring multiple control options, enhances energy efficiency, underscoring our dedication to minimizing environmental impact. Sylvania Group continues to lead in creating sustainable, high-performance lighting solutions for a better tomorrow.

Contents

INNOVATION

SUSTAINABILITY

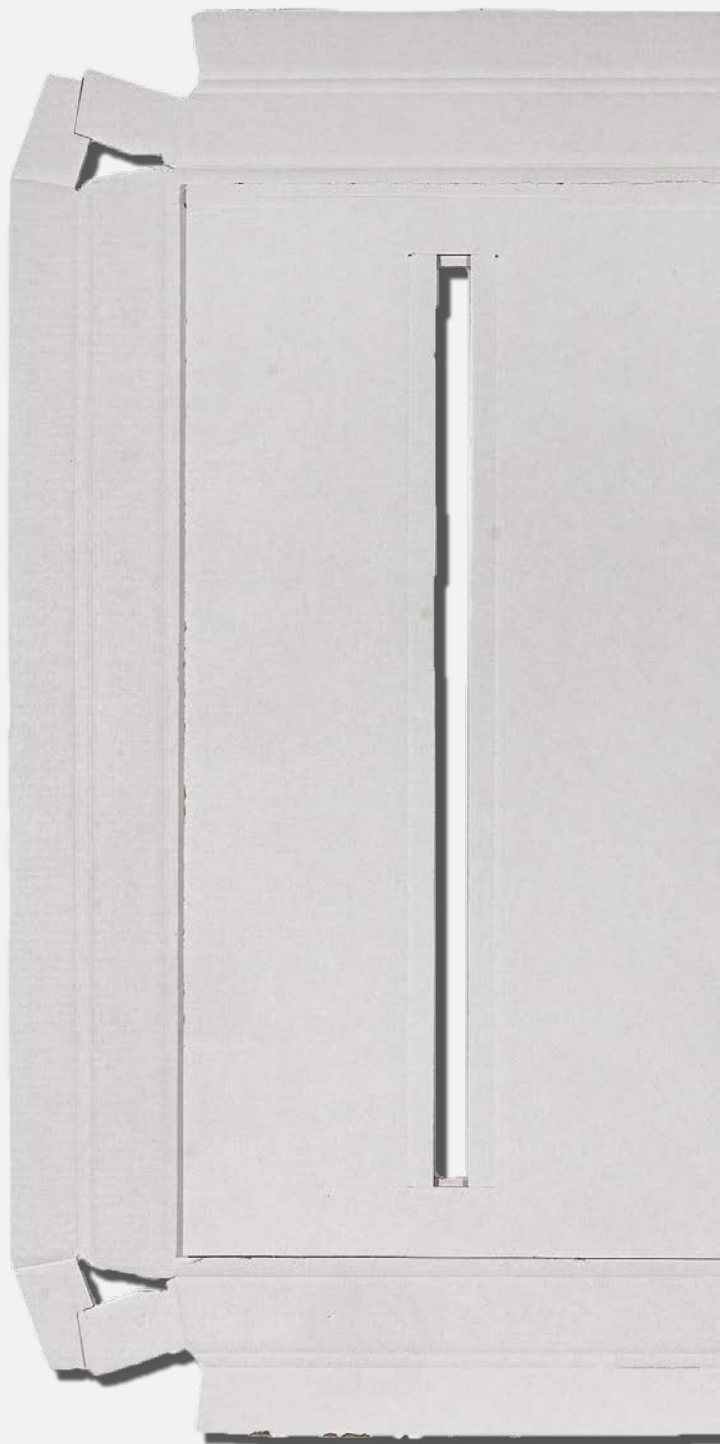## TECHNICAL FEATURES

PAPER
MADE

We are the first to propose a full luminaire made of 60% of paper! The OptiClip TERRA frame is made from certified sustainable paper, 60% of which is recycled. It is folded, not glued, and 100% recyclable.

DID YOU KNOW?

The production of a luminaire made of paper emits 80% less CO2 than its steel manufactured equivalent.
Its light weight allows a 40% CO2 saving when transported (vs metal frame luminaire equivalent).

Made in France
in Saint Etienne Factory 🇫🇷

Covering an area of 10,000m², Sylvania's French plant produces luminaires and tertiary solutions for the entire Group since 1987.

Instruction Sheet printed on the back:
to limit extra paper use

Environmental Product Declaration (EPD) is provided with OptiClip TERRA

PEP eco PASS PORT®

Smart packaging:
luminaires are packed by 4 in a certified sustainable compliant carton with ecological ink. They are protected by sustainable and 100% recyclable protective film.

REMOVABLE LED MODULES

♲ Sustainable

Easy maintenance
Thanks to the two removable LED modules, replacement is simple: maintenance and servicing costs are considerably reduced

Waste reduction
Only defective LED modules or drivers are replaced in the event of a malfunction (the frame is retained)

Long life
60,000 hours (L80B10). OptiClip is guaranteed for 5 years

☑↗ Performance & design

Low glare: UGR<19, ideal for office lighting

High luminous efficacy: up to 127 lm/W

Sleek design for perfect integration into any interior space

DID YOU KNOW?

Even the clips used to attach the LED modules are recylable!

OptiClip TERRA ◎

☑ So easy to install

Insert the LED module, fit the clips, connect the module to the driver and that's all there is to it!

1

2

3

INNOVATION

NO NEED TO WORRY:
DIFFERENT BUT
THE SAME

A paper-made luminaire yes, but a luminaire first! Designed to last as long as any other Sylvania luminaire.
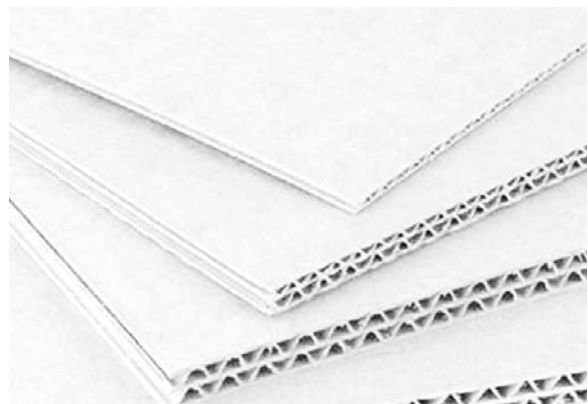
8

Cardboard from world class manufacturer

DS Smith is one of the world's leading suppliers of recyclable corrugated packaging and is also active in recycling and papermaking. It offers multiple circular solutions to its customers and society at large by replacing problematic plastic materials, removing carbon from supply chains and providing innovative recycling solutions. Headquartered in London and listed on the FTSE 100, DS Smith is present in over 30 countries and employs around 30,000 people.

OptiClip TERRA structure is made of strong corrugated cardboard
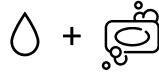
In paper but…

☑ resistant 🔥✔ 💧✔

Like all our luminaires, OptiClip TERRA complies with EN 60598 standard in terms of **glow wire test (650°)** and **humidity resistance**. And to give our customers real peace of mind, we've gone even further with testings!

☑ cleanable

1	2	3	4
💧 + 🧼	🧽	🧽	🧹

A little soapy water, a soft sponge and a cloth to dry - it's as simple as that!

TERRA ◎

OptiClip TERRA ◎

TERRA is the Sylvania's groundbreaking initiative towards sustainability in lighting solutions.

In response to the growing urgency to combat climate change and environmental degradation, Sylvania proudly presents TERRA, our first collection dedicated to sustainable products. With a firm commitment to reducing our ecological footprint and promoting responsible consumption, the TERRA Range embodies innovation, efficiency, and environmental consciousness.

Moreover, TERRA goes beyond mere functionality. It reflects our dedication to eco-friendly manufacturing processes, utilising recycled materials and minimising waste at every stage of production. Our stringent quality control measures ensure that each TERRA product meets the highest standards of durability and reliability, contributing to a circular economy where resources are conserved and reused.

Join us on this journey towards a more sustainable tomorrow with TERRA. Together, let's illuminate the path to a healthier planet.

ESG SYLVANIA GROUP

Sustainability at the core of our vision

We prioritise sustainable practices in all aspects of our operations, from the design and manufacturing of products to their end-of-life cycle. We aim to set a standard for the industry and inspire others to do the same. How? By using eco-friendly materials, minimising energy consumption, and reducing waste. Additionally, we are committed to promoting sustainability throughout our supply chain management. Within the Sylvania Group, we support our customers by providing necessary information such as EPDs, quality certificates, and technical details to facilitate access to demanding projects, thus enhancing the quality of service.

OptiClip TERRA ⊚

MADE IN FRANCE
OptiClip TERRA is designed and manufactured in France. This signifies high quality, attention to detail, and adherence to strict labor and environmental regulations. Our customers can trust that our products are made with care and consideration for both the environment and the people involved in the manufacturing process.

CARBON NEUTRALITY GOAL
By integrating sustainability into our operations, we not only aim to achieve business success but also to contribute to a more sustainable future for generations to come. Our goal is to achieve carbon neutrality by 2030.

ECOVADIS SILVER CERTIFICATION
In 2024, we are proud to have achieved the Ecovadis Silver certification, demonstrating our unwavering commitment to sustainability and responsible business practices. This confirms our determination to have a positive impact on the environment and society.

SylSmart Connected

OptiClip TERRA ◎

85% of EU buildings were built before 2000 and among those, 75% have a poor energy performance*. Acting on the energy efficiency of buildings is therefore key to saving energy, and achieving a zero-emission and fully decarbonised building stock by 2050. By transitioning to LED lighting with smart controls, energy savings of over 65% are achievable, presenting a significant opportunity for efficiency without compromising occupant comfort.

*Eurostat energy balances and EEA Greenhouse Gas Inventory, 2023

SylSmart Connected offers a rapidly deployable wireless solution, employing robust sensors seamlessly integrated into each luminaire to capture and relay detailed occupancy and daylight data securely via a qualified Bluetooth mesh network. Leveraging this data improves the efficiency of your solution and delivering a reduction in energy consumption of up to 83%.

Unlock the intelligent building

Our holistic range of SylSmart Connected enabled products give you access to energy savings and customisable control functionality throughout your entire site
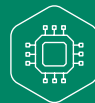

Bluetooth | NLC

SylSmart Connected Pro

Meet SylSmart Connected Pro, the digital platform enhancing SylSmart Connected lighting controls. It offers comprehensive oversight, detailed data acquisition, and actionable insights, giving you greater control over your building assets. It also improves connectivity, enhances efficiency, and optimizes building services for occupants. No matter where you are in your digitalization journey, SylSmart Connected Pro provides a scalable solution that extends beyond lighting, unlocking significant value and savings!

OptiClip TERRA

EASY MAINTENANCE
floor plan view, preventative maintenance adoptability to changing layouts

CYBER SECURE, INTE-ROPERABLE & ROBUST
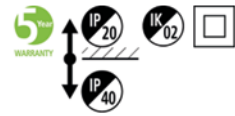no single point of failure and cybersecure Bluetooth NLC (Network Lighting Control)

INTELLIGENCE & SMART CONTROLS
decentralised operating system based on mesh network, offering exceptional motion coverage
full set of smart controls feature: occupancy & daylight sensing, grouping & scenes, manual tunable white

RAPID INSTALLATION & SCALABLE
preconfigure off-site, optimise on-site time no extra wiring and simple to scale with preloaded setting
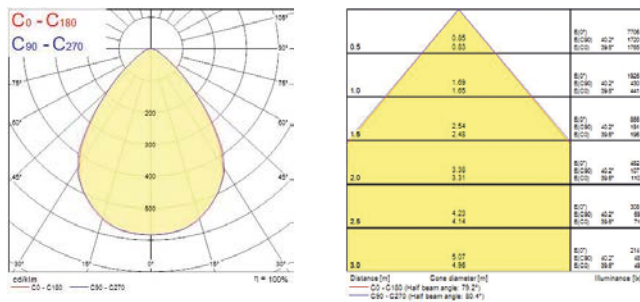
TECHNICAL FEATURES

Product information

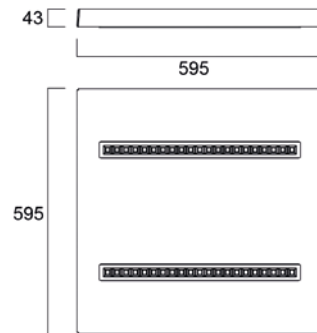| Code	Description	Control type	Fixture Power (W)	Luminous Flux (lm)	Efficacy (lm /W)	Colour Temperature (K)	CRI
0041953	OptiClip TERRA 600 830 WH	-	26	3 100	119	3 000	>80
0041954	OptiClip TERRA 600 830 DALI WH	DALI	26	3 100	119	3 000	>80
0041955	OptiClip TERRA 600 830 SSA03 WH	Sylsmart Connected	27	3 100	115	3 000	>80
0041957	OptiClip TERRA 600 830 SSA01D WH	Sylsmart Connected BT	26	3 100	119	3 000	>80
0041950	OptiClip TERRA 600 840 WH	-	26	3 300	127	4 000	>80
0041951	OptiClip TERRA 600 840 DALI WH	DALI	26	3 300	127	4 000	>80
0041952	OptiClip TERRA 600 840 SSA03 WH	Sylsmart Connected	27	3 300	122	4 000	>80
0041956	OptiClip TERRA 600 840 SSA01D WH	Sylsmart Connected BT	26	3 300	127	4 000	>80

Photometric data

Dimension

Additional images

SYLVANIA Group

$\mathsf{C}\,\mathsf{E}$ UK CA

in f ▶ ◎

Sylvania-lighting.com