

**SYLVANIA**



**Light your world**



# An invitation to everyone

---

## Light your world

At Sylvania we empower people to control their environment, giving them the freedom to grow, think, work, play; to live and to focus on the things that matter.

# What we stand for

A silhouette of a person with a backpack looking at a tablet, standing on a mountain peak at sunset with a tent and a lake in the background.

We are driven to bring technology and innovation together to make a difference and enhance the way we live and work.

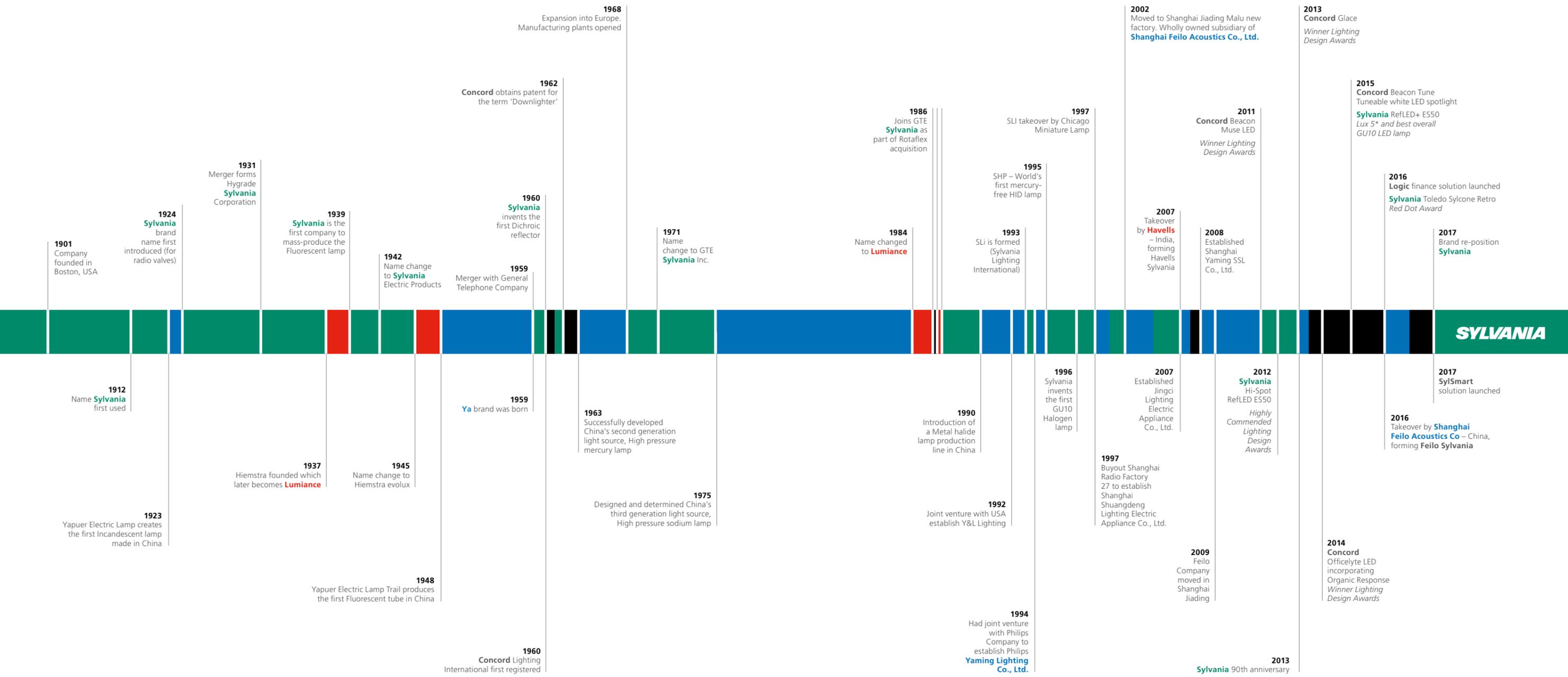
We're progressive in our approach to problem solving. We constantly search for new opportunities and partnerships that enhance our customer experience, and never shy away from a challenge. We understand the importance of being agile, adapting and growing to match the challenges you face. When it comes to client interaction, trust is everything. We act with integrity and honesty and earn the loyalty and trust of our customers through actions

instead of words. Our products might be technologically complex, but that doesn't mean we can't offer a clear, concise and simple service to our clients. Finally, the Sylvania team prides itself on being approachable. No matter what questions a client or prospect may have, we deal with them in a professional, friendly and open way.

Values make a company.  
Values make Sylvania.

# 100 years of light

We live light.  
It's in our DNA.



# Our worldwide innovation and solution centres

## ● Headquarters

**Hungary**  
Budapest

## ● Americas

**Argentina, Chile, Uruguay, Paraguay and Bolivia**  
Buenos Aires

**Colombia, Peru and Venezuela**  
Bogotá

**Costa Rica and Caribbean**  
San José

**Ecuador**  
Quito

**El Salvador**  
San Salvador

**Guatemala**  
Cd. Guatemala

**Honduras agregar**  
San Pedro Sula

**Mexico**  
Cd. Mexico

**Nicaragua**  
Managua

**Panama**  
Cd. Panama

**República Dominicana**  
Santo Domingo

## ● Solution centres

**Germany**  
Erlangen

**United Kingdom**  
Newhaven

**France**  
Saint-Etienne

**Belgium**  
Tienen

**Costa Rica**  
San José

**China**  
Shanghai

Jiangsu  
Beijing

Henan  
Liaoning

Heilongjiang  
Shandong

Hubei  
Sichuan

Jiangxi

## ● European Distribution centre

**France**  
Le Plessis Belleville

**Hungary**  
Dunakeszi

## ● Southern Europe

**France**  
Gennevilliers

**Greece**  
Athens

**Italy**  
Milan

**Portugal**  
Lisbon

**Spain**  
Madrid

**Switzerland**  
Geneva

## ● Northern Europe

**Belgium and Netherlands**  
Antwerp

**Finland**  
Vantaa

**Germany and Austria**  
Erlangen

**Scandinavia**  
Stockholm

**United Kingdom**  
Newhaven

## ● Eastern Europe

**Hungary**  
Budapest

**Ex-Yugoslavia**  
Zagreb

**Czech Rep. and Slovakia**  
Bratislava

**Baltic and Ukraine**  
Riga

**Russia and CIS**  
Moscow

**Poland**  
Warsaw

**Romania, Bulgaria and Moldova**  
Bucharest

## ● Middle East

**United Arab Emirates**  
Dubai

**Turkey**  
Istanbul

## ● Africa

**South Africa**  
Johannesburg

## ● Asia

**China**  
Shanghai  
Guangzhou

**Malaysia**  
Kuala Lumpur

**Indonesia**  
Jakarta

**Philippines**  
Manila

**Taiwan**  
Taipei

**Thailand**  
Bangkok

● Offices ● Innovation and solution centres

# Lighting the future

Sylvania today  
and beyond

Light is a part of everything we do. At Sylvania, we harness that light and turn it into something truly magnificent. We then give the power to control that light over to you, so you can enhance your environment and create beautiful spaces to live and work in.

How do we harness this technology?  
By always looking ahead to tomorrow...

## Light quality

Light is a given. We barely notice it when it's there but we miss it when it's gone. The quality and type of light we choose to live and work around can also have a profound impact on our mood and productivity. Our history and expertise allow us to understand which types of light work best in a given environment, and anticipate any potential changes in the market. Our customers can rest easy knowing that their light solution is contemporary, compliant and guaranteed to withstand the test of time.

## Productivity

We understand the importance of productivity. That's why we devote a lot of time to understanding the needs of employees in busy workspaces and the effect light has on their well-being. The use of solutions like SylSmart allow us to optimise lighting and use it in an intelligent and productive way. Simply put, we've found a unique way to blend economics, architecture and personal well-being, all using the power of light.

## Energy efficiency and sustainability

Productivity is important, but so is the environment. Most of us are used to two settings when it comes to light – on and off. However, most of the things we do at home or in the workplace don't require high levels of light, and that binary choice can prove very limiting. SylSmart controls offer a unique way to customise the light in your life with minimal maintenance or input, reducing energy consumption and keeping the light levels comfortable. As a result, your total cost of ownership will decrease.

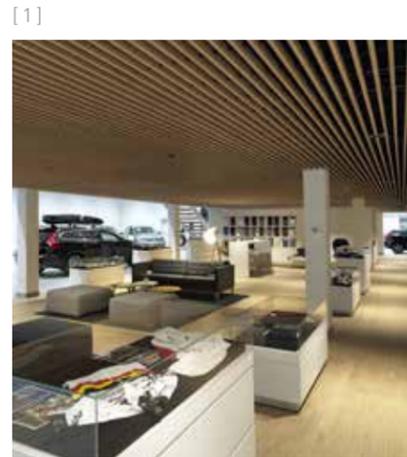
## Digitisation of light

As the world becomes digitised, our homes and workplaces are becoming intricately connected in what has quickly become known as the 'internet of things'. We deliver solutions that embrace this interconnectivity, empowering our customers now and in the years to come.

## Financing change

Everyone's lighting project is different. Our financing solution called Logic, eliminates large up-front costs and gives our customers a manageable monthly repayment plan. These repayments are typically lower than existing lighting overheads, making it an ideal opportunity for businesses to save capital while making themselves more sustainable.

**Application sectors** As an innovation leader, we supply an extensive range of lamps, luminaires and lighting control solutions for various professional lighting application areas.



[1]



[3]



[2]



[4]

**Retail [1]**

Lighting can have a huge impact on the bottom line in the retail environment. From enticing window displays to encouraging customers to spend more time on the shop floor, lighting does so much more than illuminate a product. Done correctly, it can even reduce overheads.

**Office [2]**

We know that lighting impacts our health, mood and sense of well being – and all of those things contribute to our productivity. We take a human centric approach to lighting office spaces, reducing negative elements such as eye fatigue and headaches.

**Logistics and Industry [3]**

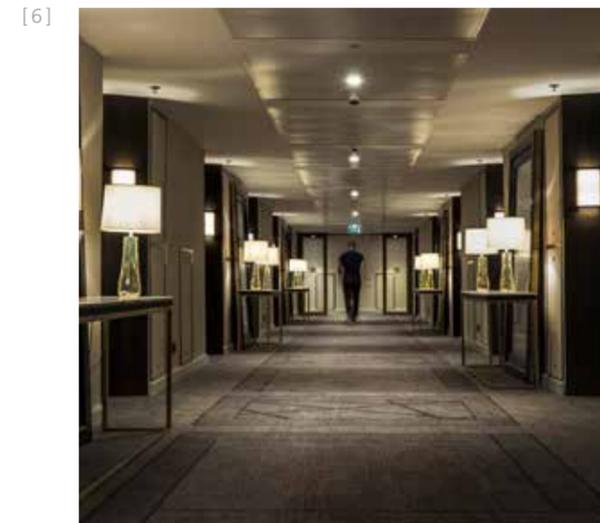
This is a demanding sector with demanding needs. Many of these buildings are running 24/7 and need an intelligent lighting solution that's cost-effective, low maintenance and sustainable. We work with these businesses to determine the total cost of ownership and guarantee a return on investment.

**Education [4]**

The learning environment is where we cultivate ideas and nurture young talent, and light levels have an important role to play. Lighting also accounts for over 50% of electricity costs in most schools, presenting an excellent opportunity to increase efficiency and lower costs.



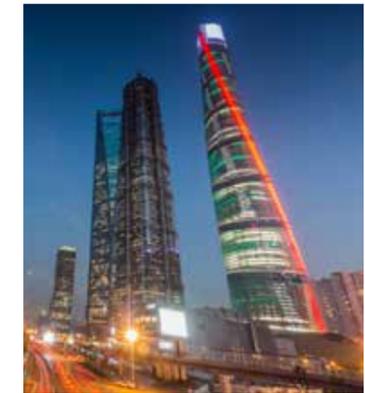
[5]



[6]



[7]



[8]

**Museum and Galleries [5]**

Lighting has many surprising uses in a museum or gallery. From illuminating exhibits and artefacts to making visitors feel comfortable and welcome, light is a huge part of the overall experience. We have a long and distinguished heritage in museum and gallery lighting.

**Hospitality [6]**

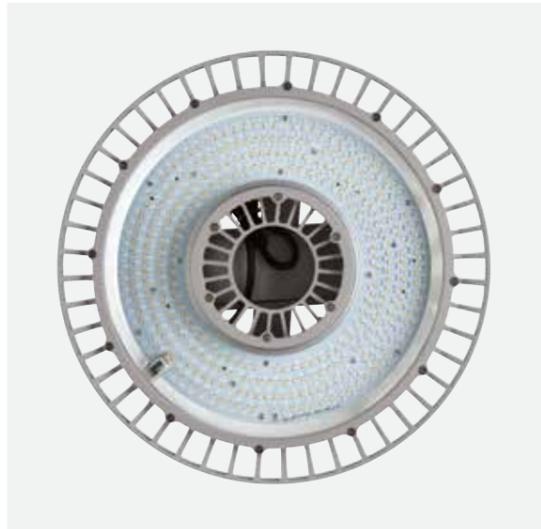
Ambience and atmosphere are key when it comes to hosting, and nothing impacts those things more than lighting. From hotels and restaurants to clubs and bars, we have a range of lighting solutions that can be tailored to suit any environment while creating unique customer experiences.

**Residential and Consumer [7]**

Light is one of the key ingredients when it comes to making a house a home. Whether the challenge is to bring warmth to a sitting room or function to a kitchen, we offer home owners a range of cost-effective solutions based solely on their unique needs.

**Outdoor [8]**

Due to fluctuations in weather and the changing seasons, outdoor lighting can be a complex challenge. Our outdoor range of lighting solutions takes all of this into account, providing cost-effective lighting that requires little to no maintenance.



# Bringing light to life, we've got it covered

## SYLVANIA

Sylvania is one of the world's leading light specialists. Not only do we design, manufacture and install lighting solutions, we push the boundaries of technology and strive to innovate in everything we do. Our LED luminaires and lamps transform interiors and light the way for businesses. With a heritage that stretches back decades, we've put our knowledge and expertise to use across hundreds of challenging lighting projects, from multi-site businesses to stunning urban landscapes.

## Ranges

### Start / Start+

Sylvania are proud to offer our Start range to all commercial, industrial and domestic premises that want to upgrade to a simple, LED lighting solution. There's never been a better product to help bridge the gap between traditional lighting and LEDs, with efficiency, functionality and reliability guaranteed. Perfect for large scale installations, the Start range can be tailored to suit any environment, from dimming technology to intelligent sensors that control lighting based on the time of the day.

### Concord

Concord luminaires provide one of Europe's most respected architectural lighting solutions for display lighting, with decades of experience in museums, galleries and luxury retail. With a strong manufacturing base in the UK, Concord luminaires are renowned for their influential design ethos, high technical performance and aesthetic form. The contemporary Concord range is underpinned by in-house expertise that stems back to the 1960s.

### YourHome

We supply the perfect luminaire or lamp for every home application. From creating a warm ambient light in the living room to a productive, functional atmosphere in the study, all of our solutions are shaped around the changing moods and needs of our customers.



## SYLVANIA

### Our solutions bring light to life

Everything we do starts by understanding the needs of our customers. We put them first, time and time again.

## Solutions

### SylSmart

SylSmart allows users to harness light like never before. From a central hub, light can be controlled throughout an entire room, building or collection of buildings. What's more, SylSmart is intelligent enough to know when light is needed and when it isn't, allowing your light to regulate itself and reduce running costs.

Smarter lighting. Smart Choice.

### DreamWorx

DreamWorx puts light in the palm of your hand. Whatever the scale and scope of your project, DreamWorx allows us to say 'yes' when our competitors would say 'no'. We have the capacity to develop and tailor our own lighting solutions to meet your requirements perfectly. Simply tell us what you need, and our experts will make it happen.

### Logic

For us, nothing stands in the way of light. That's why we've introduced Logic, a unique way of giving clients everything they require without the burden of any heavy upfront costs. With Logic, we'll work out a bespoke repayment method that will typically lower any current running costs. If you need affordability, you need Logic.



# Smart lighting delivers value in multiple ways

Invest in the future of your business

Smart technology helps organisations across a variety of sectors streamline their operations and reduce running costs. Why should light be any different? If light efficiency is the question, SylSmart is the answer.

Using the latest standards from the Information and Communications Technology (ICT) world, SylSmart is built on open innovation that allows digital lighting to play a central role as the 'backbone' of a smart, connected building infrastructure.

SylSmart combines innovative technology with decades of experience to give users unparalleled control over their lit environment. Light can be harnessed and adapted to suit any time of day, in any environment, changing dynamically to reflect the needs of users.

The result? An all-encompassing solution that provides comfort, efficiency and scalability. Whether you need precise lighting control in a small space, or seamless connectivity across an entire site, SylSmart will light the way.



## What you can achieve with smart lighting

Smart lighting is about more than just light. It's about control and efficiency. By using heat mapping, indoor localisation and remote and emergency monitoring, SylSmart can dramatically reduce the energy costs to many businesses and meet legislations and certifications (including Breeam, ECA, BCO, LEED, DGNB, Estimdama).

### Future proofing with SylSmart

SylSmart takes smart lighting one step further. Targeted and focussed smart controls can tailor light to your exact needs, while simple out-of-the-box usability makes it easy to install and maintain. It can also be integrated with any indoor or outdoor system.

### Beyond lighting

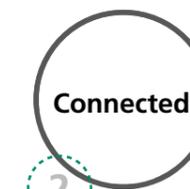
SylSmart Beyond solutions will enable organisations to harness the benefits that only an Internet of Things (IoT) connected lighting infrastructure can deliver. Via data acquisition and analytics, building facilities and usage can be monitored to enhance user experience.

## SylSmart solutions



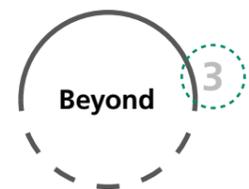
### Room by room, easy install & energy efficient

- + A wireless, plug-and-play, cost effective smart lighting solution for smaller installations.
- + Sophisticated scene setting within small areas.
- + Simple, out of the box experience.
- + Easy-to-install and maintenance free.
- + Intuitive use that allows full control.



### Building-wide systems connect an entire building, learns and responds to the occupants

- + Intelligent, flexible, predictive light that's always learning.
- + Designed specifically to be utilised across multiple buildings and commercial sites.
- + All the benefits and elegance of a wireless standalone system.
- + No additional hardware required.
- + No compatibility issues.
- + Plug-and-play, auto-configure with no commissioning.



### Accumulating data and responding intelligently beyond lighting controls

- + Take smart lighting passed its technological limit by embracing the Internet of Things (IoT).
- + Full connectivity, data and analytics offer an intelligent, streamlined lighting solution like no other.
- + Heatmapping.
- + Asset Tracking.
- + Location based messaging.
- + Indoor and outdoor navigation and localisation.



# Applying Logic

Financing that brings light to life



**If budget is the question, Logic is the answer.**

When you've discovered the perfect lighting setup, Logic is the finance solution that will help you bring it life.

We've spent decades helping businesses harness the power of light, so we know how challenging it can be when it comes to financing new technology. While a sophisticated lighting solution like our SylSmart range will provide incredible energy saving benefits that will dramatically reduce long term costs, initial financing can often be an unwanted barrier to progress.

#### Logic breaks barriers

With Logic there are no up-front costs whatsoever, which means you can start improving your business right away without worrying about huge investments of capital. Instead, payment is structured through a series of manageable monthly instalments that are tailored to your business. What's more, these payments are typically lower than your current lighting costs, allowing you to reap all the energy-saving benefits of a dynamic and controlled lighting system without drastically adjusting your budget. With Logic you see savings from day one.

#### Bridging the finance gap

Logic can be tailored to any business, but to help our clients get started we have an out-of-the box financing solution that's tried and tested:

- Applies to projects from as little as £10k
- Based on standardised contracts for swift implementation
- Includes supply, installation, management and commissioning
- Immediate approval

#### Logic Guarantees

Our smart lighting solutions allow us to monitor the exact energy consumption of every luminaire installed across your estate, allowing us to form an accurate picture of the energy saving that is being achieved. You only pay for the energy savings we deliver, eliminating all risk on your side.

That's great business. That's **Logic**.

# Lighting today

Form,  
function  
and design

Sylvania do more than light up the room, we reveal the room's true character. By combining cutting edge technology with perfectly balanced design, our solutions are developed on a project-by-project basis to help clients harness the power of light and make it work for them.



At Sylvania we provide a complete range of luminaires solutions that set a warm and welcoming tone in any environment. Irrespective of the technology that lies beneath them, luminaires can bring a sense of character to any type of light, making them perfect for a wide range of applications.



Sylvania provides a complete range of lamps from traditional to high quality LED with integrated smart technology, as well as light sources for specialist applications from pet care to pest control or stage and studio lighting.



The Sylvania ToLEDo™ Vintage lamps feature innovative Flexible Filament Chip Technology (FFCT), which has been specifically designed to create the now popular low-lit vintage effect. Our lamps are designed with complete efficiency in mind. While the ToLEDo Retro and RefLED Retro ranges truly replicate the look and feel of traditional incandescent lights, they use the latest LED technology, cutting energy usage by up to 85%.

Our new Smart lamps range contains some of the most modern technology available, allowing for a light setting and colour effects that can be adjusted at the flick of a switch, while built-in sensor technology can automatically optimise light settings to match the environment.



# Designing the future

## Research, development and technology

Sylvania are proud to hold awards for superbly designed lighting solutions that combine aesthetic appeal and long-lasting performance. Our focus on research and development, as well as product design and engineering, has enabled us to create high-end, energy saving products that improve lives and light the way forward.



### Curve Lyte [2] Contemporary curves and elegant light

The Curve Lyte features a unique and contemporary design that's clean, sharp and modern. An innovative light guide with a double row of LEDs are separately controlled to offer both direct and indirect light distribution for maximum customisation. A suspended luminaire offers visual comfort over targeted areas such as boardrooms or reception desks, while power cables run through the suspension cables for minimal visual impact.

### Beacon Tune [1] Tuning your perception

Beacon Tune is a unique tuneable LED spotlight that offers unparalleled customisation. From the Concord range, the Beacon Tune offers a smooth dimming effect as well as the ability to seamlessly alter the ambience in a given room, tuning from a cool 4300K down to a warm 2100K – perfect for hospitality, museums and galleries, or even residential hosting.

### SylCone Retro [3] Combining vintage looks with contemporary technology

The award-winning SylCone Retro range is the perfect combination of vintage elegance and contemporary technology. This hand-blown glass lamp is available in three unique designs that all use the very latest LED filament technology to provide a powerful yet efficient light source. A colour temperature of 2000K gives the SylCone a nostalgic glow while cutting energy costs by nearly 85% across its 15,000 hour lifespan.

### ToLEDo Radiance [4] Why compromise? Style and function in equal measure.

Our innovative ToLEDo Radiance range redefines the humble lamp. By blurring the boundaries between lamp and luminaire, the ToLEDo Radiance manages to offer an imaginative retrofit design that can single-handedly set the tone in any room. Offering diffused lighting and dimming functionality, it's perfect for both home and the workplace, and can bring charm and character to any hotel or restaurant.



# Thinking ahead

## Our social responsibility

Sustainability requires long term thinking. At Sylvania, we believe that in order to be truly sustainable and set the right example globally, we need to think about our clients long-term needs. That means open and honest communication is paramount, and choosing the right solution for the right application needs to be integral to what we do. We have a responsibility to be transparent with our clients, earning their trust and satisfaction through careful planning, development and installation of our products.

Waste is not an option. We see ourselves as accountable for waste management, and we strive to ensure that our products are energy efficient and our services and processes are as streamlined as possible. Not only are we committed to reducing the carbon footprint of those we help, we also have a duty to make workplaces safer and more productive, as well as turning them into healthier places to be.

## Continual improvement

# Defining the standard

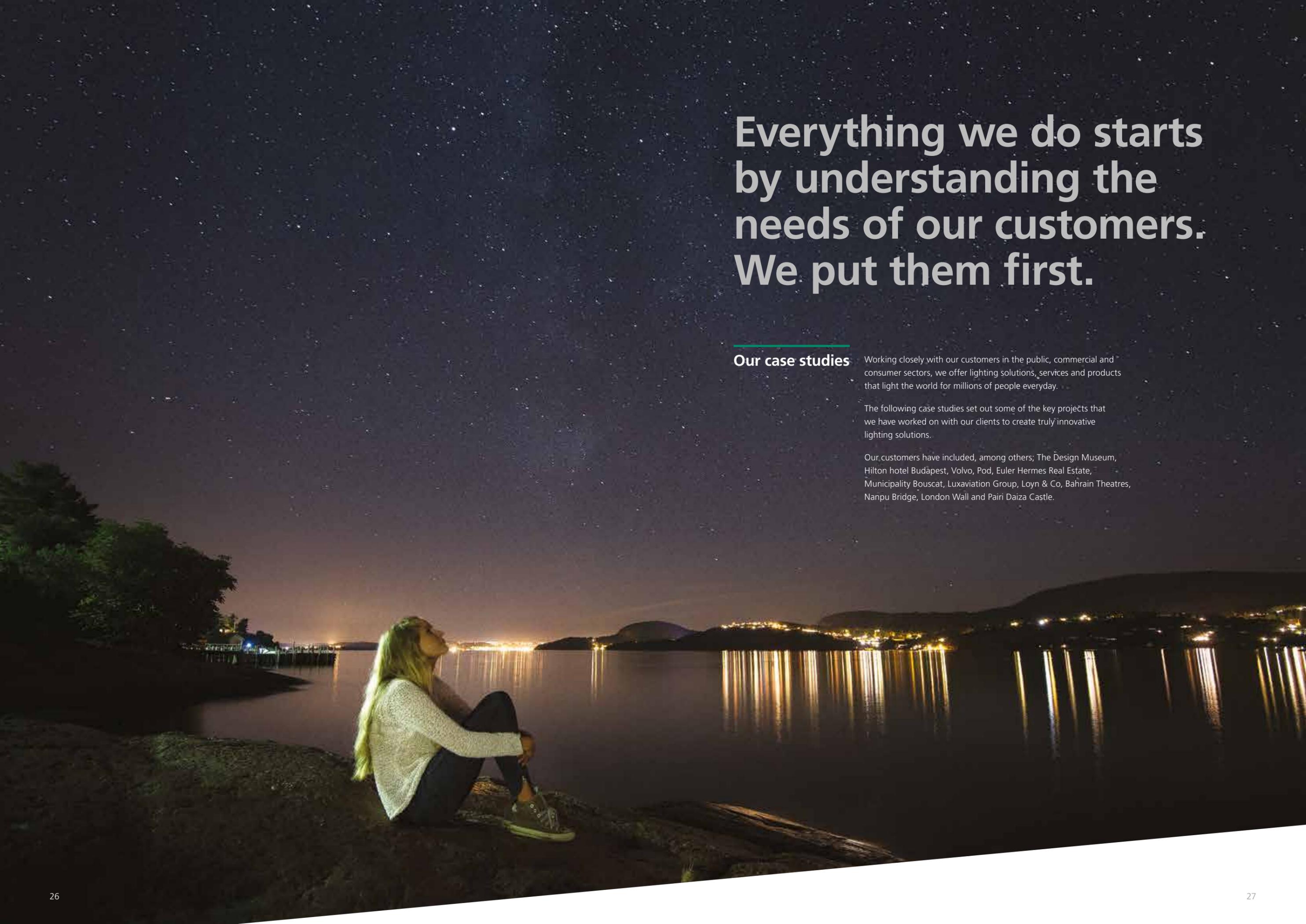
Over the years, Sylvania has become one of the most eminent and highly regarded authorities on lighting throughout the industry. We pride ourselves on our commitment to continuous improvement, and are constantly working to stay ahead of the curve and light the way forward.

Our products and the relationship we have with our customers is so important to us that we have implemented – and hold ourselves to – ISO 9001,

the most rigorous of international quality management standards. We are also proud to be one of the few companies in this sector with accredited measuring laboratories at its disposal, allowing us to consistently check our processes and ensure we meet our own high standards of excellence.

We're so confident in our ability to meet and exceed customers' needs that we now offer a 5 year guarantee on our entire range of Sylvania LED luminaires.





# Everything we do starts by understanding the needs of our customers. We put them first.

---

## Our case studies

Working closely with our customers in the public, commercial and consumer sectors, we offer lighting solutions, services and products that light the world for millions of people everyday.

The following case studies set out some of the key projects that we have worked on with our clients to create truly innovative lighting solutions.

Our customers have included, among others; The Design Museum, Hilton hotel Budapest, Volvo, Pod, Euler Hermes Real Estate, Municipality Bouscat, Luxaviation Group, Loyn & Co, Bahrain Theatres, Nanpu Bridge, London Wall and Pairi Daiza Castle.

## Case study

**Location:** Sterckx, Halle, Brussels, Belgium

**Client:** Volvo Showroom

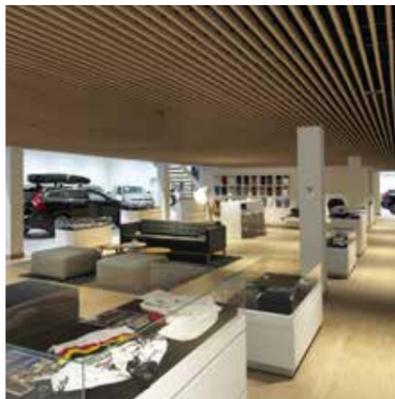
**Lighting Designer:** Sylvania

**Installer:** Brontec NV, recently taken over by Decat Energy Technics



# Enhanced customer experience

**Crisp and energy efficient with extra dynamic lighting accents**



[1] Start Waterproof LED [2] Sylveo LED  
[3] LumiStrip [4] Beacon XL  
[5] Myriad Square [6] Ascent 150 II  
[7] Insaver LED II [8] Oculo LED



[1]



[2]



[3]



[4]



[5]



[6]



[7]



[8]

## Retail

The Volvo concession Sterckx in Halle (south of Brussels) boasts one of Sylvania's most elegant and energy efficient lighting schemes to date. Based on the architect's plans, the Sylvania projects team designed the lighting scheme for the different zones of the showroom, offices, workshop, as well as the outdoor lighting. The installation itself was completed by Brontec NV, recently taken over by Decat Energy Technics.

The strikingly modern building has a full glass façade made of blue and white sandblasted glass, enhanced at night by the Lumistrips mounted on the profiles. A further architectural effect is created by the transparent 'windows', offering a preview of the showroom itself. Concord Ascent 150 LED downlights offer crisp and energy-efficient general lighting to the overall showroom, whilst extra dynamic lighting accents are provided by clusters of Oculo LED spotlights and some surface mounted Concord Beacon XL LED.

## Case study

Location: London, United Kingdom

Client: POD

Lighting Designer: Sylvania

Installer: Finish Effect Refurbs Limited



## “The new lighting encapsulates our brand”

Rosie Parkes, Senior Marketing Manager at POD

The brief to Sylvania was clear – to create an attractive, bright and dynamic location that felt inviting to customers and projected POD’s branding externally. Sylvania set to work on creating an innovative design to really bring the store to life. To answer the brief, Sylvania selected a number of its luminaires, all of which were enabled by the ground-breaking wireless control system – SylSmart. SylSmart Standalone Scene (one of the SylSmart range of solutions), enables store branding through lighting as well as supporting tailored promotions and events. Timed schedules can be set to change according to the season and daily light patterns, and there is also a night-time scene to capture the attention of late night city revellers, while maintaining energy efficiency during closed hours. Programming was quickly setup on site, with an easy to use mobile app.

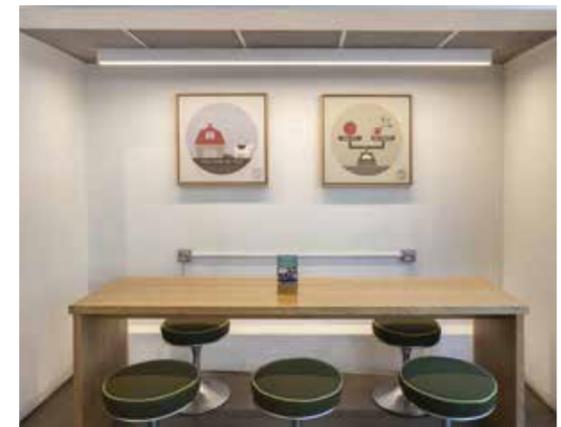
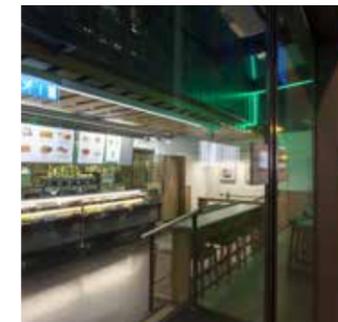
Rosie Parkes, Senior Marketing Manager at POD, comments, “The new lighting not only allows us to create a warm and friendly environment for our customers but it also encapsulates our brand. We can adapt the lighting when we are running a promotion or highlight to customers that we have a new menu, it’s a visual extension of our marketing and brand ethos. We’re delighted with the new lighting scheme and the added benefit it is bringing our store.”

# Controllable, dynamic lighting

Sylvania designed and installed an innovative new lighting solution at POD, a healthy food-to-go retailer based at Chiswell Street in London. By taking a fresh approach and combining the latest products with our ground-breaking SylSmart wireless control solution, Sylvania significantly improved the in-store customer experience. POD challenged Sylvania to reinvigorate the lighting scheme at one of its branches as they felt the space was inadequately lit and the company recognised that a new approach and fresh design could make a real difference to the visitor experience.

### Retail

[1] SylSmart [2] Beacon Projector  
[3] LumiStrip [4] Beacon XL Muse  
[5] Mini Continuum II LED



[1]



[2]



[3]



[4]



[5]

## Case study

**Location:** London, United Kingdom  
**Client:** Design Museum  
**Lighting Consultant:** Chapman BDSP  
**Installer:** LJJ Mechanical and Electrical Contractors

The building is an icon in its own right and the lighting has been designed to blend into the architectural features

# Style, design, function

The Design Museum is a marvel of modern construction, with its stunning interior space designed by John Pawson and illuminated via a multi-faceted lighting scheme employing Concord luminaires from Sylvania.

## Museums and Galleries

Designed by lighting consultants Chapman BDSP and installed with LJJ Mechanical & Electrical Contractors, Sylvania provided over 2,500 luminaires to light the 10,000m<sup>2</sup> space. The Design Museum houses one permanent collection, two temporary exhibition spaces, 400m<sup>2</sup> of learning spaces along with two shops, one cafe, one restaurant, a member's lounge, a 200 seat auditorium and an event space for launches and events.

The building is an icon in its own right and the lighting has been designed to blend into the architectural features of the structure, whilst still providing a flexible and easy to manage system. Graham Large, Head of Architectural Lighting Design at Chapman BDSP, comments "The Design Museum asked us to look at working with one supplier and, after a competitive bid process, Sylvania was the partner chosen. We worked with Sylvania to refine the specification and ensure all the lighting met our initial ideas and goals and were impressed with the final result."

Shaun Fradd, Head of Philanthropy at the Design Museum, explains why Concord luminaires were chosen for this project, "The Design Museum is a multi-use building with people coming to not only look at the wonderful building and exhibitions but also to take advantage of our learning and hospitality spaces. This mixture of uses as well as its size meant

the museum required a variety of lighting solutions to properly light each space whilst maintaining a desired aesthetic across the whole building. Working with one lighting partner simplified the specification and installation process. Sylvania worked with our design team to listen to what we wanted and worked with us to find the best solution for each area."



[1] Sylproof LED [2] Lytespan 3  
[3] LumiStrip [4] Beacon Muse II  
[5] Mini Continuum II [6] Ascent 150 II



[1]



[2]



[3]



[4]



[5]



[6]

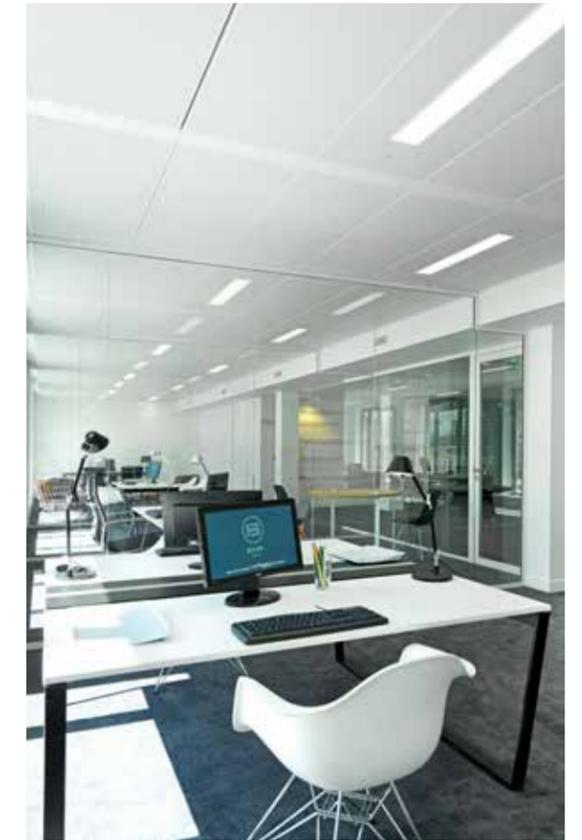
## Case study

**Location:** Paris, France  
**Client:** Euler Hermes Real Estate  
**Architect:** Bouchaud  
**Contractor:** Eurosicgestion



[1] Lytepanel LED [2] Insaver LED [3] Sylproof Superia LED

**The first major installation in France 100% dedicated to LED technology**



# Energy efficient design

## Office

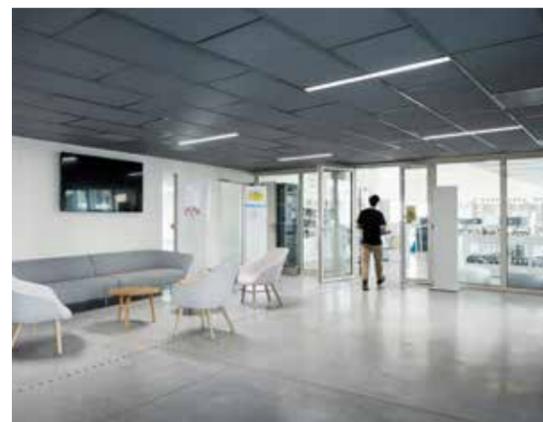
Euler Hermes Real Estate in Paris selected Sylvania to equip its offices with a new lighting scheme. It is the first building in France to be illuminated entirely by LED technology. Commissioned by Euler Hermes Real Estate, the architectural firm called Bouchaud faced the major challenge of renovating a 14,000-sq-m-office building from top to bottom. Located in the heart of the golden triangle on Euler Street in Paris, the building (built in 1959) spans nine floors and two basement levels. The renovation project formed part of a plan to achieve a High Environmental Quality (HQE®) certification for the “low consumption building”, in addition to its LEED and BREEAM certifications. This triple certification would have an impact on the rental value.

The comprehensive renovation project included the installation of a new energy-efficient, environmentally-friendly and economical lighting system, and Sylvania highlighted LEDs as the ideal solution, capable of meeting all of these criteria and more. Installing an LED lighting system throughout the building is synonymous with lower operating costs and energy consumption, increased life-expectancy of the equipment and minimal maintenance. As a result of this decision, the project is one-of-a-kind in France; it is the first major installation in France 100% dedicated to LED technology. The achievement further establishes the technology as a cutting-edge solution for businesses and homeowners keen to reduce their energy consumption and costs, and it is the final jewel in the crown for the building which has been awarded a total of three environmental certifications.

# Ideal learning environment

## Case study

**Location:** Bordeaux, France  
**Client:** Municipality Bouscat  
**Architect:** King Kong Agency  
**Engineering:** Artelia  
**Installer:** CIMEA



## Education

Located in the heart of the city of Bouscat near Bordeaux, the La Source library offers a diverse range of books and multimedia tools as well as developing learning programmes about environmentally friendly living and community life targeted to school children and specific audiences. The new building has been designed by architectural firm, King Kong, to rejuvenate the urban landscape in the area.

Opened in late 2015, this building features a range of materials that create a refined and elegant building. All the interior spaces have been lit using the Sylvania RANA Linear LED luminaire, which was selected to match the style of the building's metal structure. Developed specifically for this project by Sylvania, the luminaires guarantee excellent visual comfort and offer up to 43% energy savings compared to a traditional solution.

**Developed specifically for this project the luminaires offer up to 43% in energy savings**

[1] Rana Linear LED



[1]



[1]



[2]

[1] Start LED Highbay Small  
[2] Start LED Highbay Large

At 190W, each luminaire is far more energy efficient than its predecessor and because the lighting can be switched on whenever it is needed the energy usage can be easily controlled and dramatically reduced

### Case study

**Location:** Zaventem/Brussels, Belgium  
**Client:** Luxaviation Group  
**Engineering:** Feilo Sylvania/Ceratec  
**Installer:** Ceratec



# Clever, dynamic lighting

## Logistics and Industry

Abelag Aviation, a Belgian company and now part of the Luxaviation Group, has been pioneering European business aviation for 50 years. In one of its hangars on the grounds of Brussels Zaventem Airport, the company has significantly improved the quality and energy efficiency of the lighting by upgrading to the Sylvania Start LED Highbay luminaires.

The original scheme, which incorporated 61 Alioth IP65 Highbay fixtures with HSI-SX 400W discharge lamps, posed several serious issues for the

maintenance team. The discharge lamps can lose up to 30% of its lumen output in a year and do not offer high quality colour rendering. Abelag Aviation also found that the lamps needed to be replaced on a regular basis due to their relatively short lifespan. The 400W lamps consumed a lot of power and due to the slow startup needed to be on all the time. In addition to that, the installation height of 11m proved that replacing the lamps was time consuming and also expensive in this challenging environment. It was time for a more energy efficient lighting solution.

Sylvania worked with Abelag Aviation to replace the existing 61 luminaires like-for-like with Start LED Highbay fixtures. At 190W, each LED luminaire is far more energy efficient than its predecessor and because the lighting can be switched on whenever it is needed the energy usage can be easily controlled and dramatically reduced. The luminaire has a colour temperature of 4000K and offers excellent colour rendering. With a lumen output of 20,000lm and a wide beam angle the new lighting scheme provides the whole space with a crisp and uniform lit effect.

## Case study

**Location:** Budapest, Hungary  
**Client:** Hilton Hotel  
**Project Planning:** LZengővári  
Világítástechnikai Kft



# Rest and relaxation

**Creating an elegant, subdued lighting, suitable for the five-star, luxurious baroque environment**

### Hospitality

Hilton Budapest is located in the impressive Castle District, a World Heritage Site, next to the Fisherman's Bastion and Matthias Church. One of the finest luxury hotels of the city, it is known among its guests and catering professionals for the allure of its exclusive surroundings and sophisticated style. The modern hotel interior blends with elements of the former 13th century Dominican monastery in the building. What's more, the hotel's 298 luxuriously decorated guest rooms and 23 suites have a unique panoramic view of the Danube curving at the foot of the mountains.

Sylvania's task was to emphasise the luxury hotel's unique features to the maximum by choosing suitable lighting. The designer was responsible for creating an elegant, subdued lighting, suitable for the five-star, luxurious baroque environment, while emphasising the hotel's unique features. Therefore, a light source perfectly able to recreate the warm atmosphere of traditional bulbs was necessary. That choice was the ToLEDo Retro LED product line from Sylvania.



[ 1 ] ToLEDo Retro GLS [ 2 ] ToLEDo Retro Candle [ 3 ] ToLEDo Retro Ball

# Creating mesmerising landscapes

## Outdoor

When it comes to outdoor lighting, every little detail counts. From creating mesmerising spectacles that bring the landscape to life, to making outdoor spaces safe, efficient and functional, Sylvania are specialists when it comes to bringing light to the outdoors.

We've been briefed on countless outdoor projects over the years. Some require very specific and intelligent lighting solutions in order to meet objectives, whereas others pose more architectural challenges that can transform an entire cityscape.



[1]



[2]



[3]



[4]

- [1] Bahrain Theatres – Bahrain
- [2] Nanpu Bridge – Shanghai, China
- [3] London Wall – London, United Kingdom
- [4] Pairi Daiza Castle – Hainaut, Belgium

## Intelligent lighting and safety

Some vast external environments, like stadiums or cathedral grounds, need to be lit for convenience and safety. In most cases, these lights will need to be fully waterproofed and smart sensors will often be added to allow them to run independently, making them extremely low maintenance and cost-effective. When manual control is needed it can be achieved a variety of ways, from remote cloud access to a central control panel such as our SylSmart platform. We've created safe and functional outdoor spaces for a range of venues and locations, from church gardens and town squares to the famous London Wall.

## Cityscaping

In some instances, light is harnessed to make an impact. Cities and landscapes can be transformed by the extraordinary power of light, adding spectacular colours to thrill tourists and make residents feel proud. Clever use of light can give a city its identity, and that's precisely what Sylvania set out to do. Our work on the Nanpu Bridge in Shanghai is a perfect example of how a city can be brought to life through the transformative power of light.

## Entertainment

We know that light can make landscapes beautiful and spaces safe, but it can also serve to enhance and elevate an experience. Sylvania have worked on lighting solutions for museums, theatres and attractions, adding functional charm and a real sense of atmosphere. In museums, the tone and warmth of light is integral to the experience, and light needs to be carefully placed in order to achieve the optimum effect. Similarly, theatres and other public attractions may need colour, shades and variances to complement the experience that's on offer.

## Case study

**Location:** Gloucestershire, United Kingdom

**Architect:** Loyn & Co

**M&E Consultants:** Vitec

**M&E Installation:** Forest Eco Systems



# Work life balance

Concord worked with architects Loyn & Co, M&E Consultants Vitec, and Forest Eco Systems – a full-service M&E installation and eco-building specialist – to create a truly stunning home in the Forest of Dean, Gloucestershire. The ‘Outhouse’ sits within four acres and has panoramic views of the Wye Valley, and sits within an ‘Area of Outstanding Natural Beauty’. Its modern interior features a number of Concord’s stylish and energy efficient LED luminaires including Beacon Muse, LyteLab and Glace that enhance the living space and provide working studio areas. The building was to be contemporary yet sensitive to the surrounding areas, creating a timeless architectural solution which would complement the environment and the wider rural area in general.

## Residential and consumer



[1]



[2]



[3]



[4]

[1] Beacon Muse [2] LyteLab  
[3] Glace [4] Inset Trend

Supplementing natural daylight, the lighting products have been specifically chosen to create the desired ambience



For Loyn & Co the natural environment played an important part of its design and the dwelling is actually cut into the slope of the hillside, with the field above becoming a highly insulated roof for the property. The footprints of the three existing buildings have been used as the outside courtyard spaces and are now surrounded by the new interior space, which includes a central gallery and studios. The inside is now outside, the outside is now inside, hence the project’s working title ‘Inside Outside House’.

Supplementing natural daylight, the lighting products have been specifically chosen to create the desired ambience within the living spaces, gallery and also deliver the required light levels for working areas. “This is no ordinary home and, due to its architectural design, the Concord products complement the design perfectly,” comments James. “We have achieved our goal of creating an energy efficient home and work space.”

# Get in touch

## Headquarters

**Global – Feilo Sylvania**  
Budapest, Hungary  
T. +36 1 880 5900  
info.hu@sylvania-lighting.com

## Northern Europe

**Belgium and Netherlands**  
Antwerp  
T. +32 (0)3 610 44 44  
F. +32 (0)3 610 44 57  
info.be@sylvania-lighting.com

**Finland**  
Vantaa  
T. +358 (0)9 5421 2100  
info.fi@sylvania-lighting.com

**Germany and Austria**  
Erlangen  
T. +49 9131 793 0  
F. +49 9131 793 345  
info.de@sylvania-lighting.com

**Scandinavia**  
Stockholm  
T. +46 8 556 322 00  
F. +46 8 556 322 10  
info.se@sylvania-lighting.com

**United Kingdom**  
Newhaven  
T. +44 (0) 800 440 2478  
F. +44 (0) 1273 512688  
info.uk@sylvania-lighting.com

## Southern Europe

**France**  
Paris  
T. +33 (0)1 55 51 11 00  
info.fr@sylvania-lighting.com

**Greece**  
Athens  
T. +30 210 996 65 61  
F. +30 210 996 90 29  
info.gr@sylvania-lighting.com

**Italy**  
Milan  
T. +39 02 24 12 58 11  
F. +39 02 24 12 58 80  
info.it@sylvania-lighting.com

**Portugal**  
Lisbon  
T. +351 21 793 77 36/37  
F. +351 21 793 77 38  
info.pt@sylvania-lighting.com

**Spain**  
Madrid  
T. +34 91 669 90 00  
F. +34 91 673 73 64  
info.es@sylvania-lighting.com

**Switzerland**  
Geneva  
T. +41 44305 31 80  
F. +41 44305 31 81  
info.ch@sylvania-lighting.com

## Eastern Europe

**EE – Feilo Sylvania**  
Budapest, Hungary  
T. +36 1 880 5900  
info.hu@sylvania-lighting.com

## Middle East

**United Arab Emirates**  
Dubai  
T. +971 4 2998141  
F. +971 4 2998142  
info.ae@sylvania-lighting.com

**Turkey**  
Istanbul  
T. +90 216 331 12 00  
turkiye@sylvania-lighting.com

## Africa

**South Africa**  
Durban  
T. +27 31 701 2454  
F. +27 31 701 2461  
reception@inesa.co.za

## Asia

**China**  
Guangzhou  
T. +86 20 3815 1138  
F. +86 20 3869 7572  
info.cn@sylvania-lighting.com

**Malaysia**  
Kuala Lumpur  
T. +603 2788 3789  
F. +603 2788 3798  
info.my@sylvania-lighting.com

**Indonesia**  
Jakarta  
T. +62 21 3049 7341  
F. +62 21 3049 7342  
info.id@sylvania-lighting.com

**Philippines**  
Manila  
T. +63 2 636 7790  
F. +63 2 636 7791  
sales.philippines@sylvania-lighting.com

**Taiwan**  
Taipei  
T. +886 2 2563 5585  
F. +886 2 2563 5583  
info.tw@sylvania-lighting.com

**Thailand**  
Bangkok  
T. +66 0 2656 9039  
F. +66 0 2254 3369  
info.th@sylvania-lighting.com

## Americas

**Argentina, Chile, Uruguay,  
Paraguay and Bolivia**  
Buenos Aires  
T. +54 11 4546 4200  
F. +54 11 4546 4228  
info.ar@sylvania-lighting.com

**Colombia, Peru and  
Venezuela**  
Bogota  
T. +57 1 782 5200  
F. +57 1 719 9621  
servicioalcliente.co@sylvania-lighting.com

**Costa Rica and Caribbean**  
San José  
T. +506 2210 7678  
F. +506 2232 8718  
servicioalcliente.cr@sylvania-lighting.com

**Ecuador**  
Quito  
T. +593 2 281 0773  
F. +593 2 281 0007  
info.ec@sylvania-lighting.com

**El Salvador**  
San Salvador  
T. +503 2239 2239  
F. +503 2284 9670  
info.sv@sylvania-lighting.com

**Guatemala**  
Cd. Guatemala  
T. +502 2313 5300  
recepcion.guatemala@sylvania-lighting.com

**Honduras agregar**  
San Pedro Sula  
T. +504 9481 7903  
Tegucigalpa  
T. +504 3374 1810  
info.hn@sylvania-lighting.com

**Mexico**  
Cd. Mexico  
T. +52 55 5387 7670  
F. +52 55 4627 5500  
marketing@lumiance.com

**Nicaragua**  
Managua  
T. +505 2278 6445  
info.ni@sylvania-lighting.com

**Panama**  
Cd. Panama  
T. +507 360 3100  
F. +507 236 1315  
info.pa@sylvania-lighting.com

**República Dominicana**  
Santo Domingo  
T. +1 (809) 676 3030  
info.do@sylvania-lighting.com

# SYLVANIA



Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Current details should therefore be checked with Feilo Sylvania Europe Limited.

Copyright Feilo Sylvania Europe Limited February 2018

[sylvania-lighting.com](http://sylvania-lighting.com)

A Feilo Sylvania Company