

Sylvania Creates a Unique LED Solution for La Source

La Source

Located in the heart of the city of Bouscat, near Bordeaux, France the La Source library offers a diverse range of books and multi-media tools as well 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, part of the Feilo Sylvania Group, the luminaires guarantee excellent visual comfort and offer up to 43% energy savings compared to a traditional solution.



Key Facts

Application: La Source

Location: Bouscat France

Customer: Municipality Bouscat

Architect: King Kong Agency

Engineering: ARTELIA

Installer: CIMEA

Key Outcomes

- Sylvania offered a bespoke solution
- The solution offered up to 43% energy savings
- The new lighting highlights the architectural design of the building



The Source, a strong identity marker Covering an area of 2,831m², this white concrete building overlooks the town hall square and rows of historic plane trees. Recognizing the importance of the trees and the value they embody to residents, the architects chose to create a gentle curved glass façade that worked around them. They have also produced a double curvature to the steel roof that is in keeping with the arched style of the glass façade.

On the ground floor is the public area of the library, which also houses the eco-citizen and community life section. Upstairs, the space is reserved for administrative and staff offices. All the materials used in the construction of this building have been chosen by architects for their energy efficiency and acoustic qualities as well as their user comfort and aesthetics.

RANA LINEAR LED, a unique LED lighting system combining comfort and energy savings

“When one wants to reveal the architectural principles of a building, the choice of lighting is important,” says Julie Dehaut, Project Manager at King Kong agency. “On this project, to emphasize the influence of the metal frame, we wanted a luminaire that could provide aesthetically pleasing lines of light. It also needed to be powerful enough to illuminate high sub-ceiling heights of nine meters, without dazzling users,” recalls Julie Dehaut.

To meet the architect’s wishes, Sylvania developed a specific LED lighting concept: RANA LINEAR LED to offer continuous lines of light that follow the metal structure of the building. Equipped with a micro-prismatic diffuser (UGR <19), the RANA LINEAR LED provides excellent visual comfort. With its contemporary and minimalist design, the luminaire provides uniform light output (up to 3186lm over a length of 1,150m). Surface mounted or suspended RANA LINEAR LED is equipped with a steel casing and is available

in different outputs and lengths and in different colours (black, silver and white) for a successful integration regardless of the lit space.

RANA LINEAR LED offers up to 43% energy savings compared to a traditional solution and benefits from a lifetime of 50,000 hours, which reduces maintenance costs. Given the quality and efficiency of the system developed for this project, Sylvania now sells RANA LINEAR LED as standard with a wide selection of lenses and finishes

Key Benefits

- Bespoke
- Energy Savings
- Highlights the Architectural Design