

The Philips logo is displayed in a white rounded rectangle on a dark teal background. The background of the entire page is a photograph of a park at dusk, featuring several tall, black streetlights with glowing white lampshades. The trees are silhouetted against a dark blue sky, and a small white building is visible in the distance. In the top right corner, there is a circular LED logo with a rainbow gradient and the letters 'LED' in white.

PHILIPS

Outdoor lighting

City center



Case Study

The new

Metronomis LED lighting
in Stadsträdgården park

makes residents relax

Stadsträdgården park, Uppsala, Sweden

Customer

Municipality Uppsala,
Sweden

**Public lighting
contractor**

Bjerking AB

Philips representative

Tommy Törnqvist

Philips product

Metronomis LED FLuid

Background

The park Stadsträdgård in Uppsala, Sweden is located in the center of the city - between the Fyrisån river and the Uppsala University Hospital.

Stadsträdgården celebrated its 150th anniversary this year. In preparation for the celebrations, the municipality completed a major renovation of the park.

Among other things, this included the installation of weathering Corten steel edging to separate the lawns and gravel paths. This prevents access for service vehicles and sky lifts that are normally required for maintenance work on the luminaires. The gravel paths are too narrow, and the presence of the Corten steel edging means that it is not possible to drive on to the lawn areas.

Photography: Annelie Sundin



“The energy consumption will be reduced by over 9000 kW per year.”

Viktoria Mörk, Bjerking AB's Manager for public lighting projects in Uppsala



City center



The project

Following the uplift of the park, it was therefore especially important to create aesthetic lighting with good design during day and night, combined with innovative playful lighting “experiences.

“In the decision making process it was clear for us that it would have been both expensive and difficult to perform maintenance every 4 years on the existing luminaires with metal-halide lamps,” says Viktoria Mörk of Bjerking AB, the company’s manager responsible for public lighting projects in Uppsala.

The municipality therefore decided to change to energy-efficient LED lighting with a long life time. It was important to have an aesthetic lighting solution that played with light and shadows.



“In all our infrastructure projects in the public space, we actively encourage the installation of LEDs. In the selection process we were with a group of 10 people who looked into various possible lighting solutions before we decided on a test arrangement with 4 different luminaires. Everyone in the group agreed that the Metronomis LED Fluid was best, in terms of light output, ambiance and design,” says Viktoria Mörk.

77 Metronomis LED Fluid luminaires with prismatic effect are now installed in Stadsträdgården. The luminaire canopy, spigot and poles are painted in the park’s green color RAL6007.

The prismatic effect plate, which is located below the LED module in the bowl, provides a soft light and a lovely diamond-like lighting effect inside the bowl. The circular beam gives a glow all round the pole. The walkways, lawns and some of the bushes are lit.

The benefits

You can look straight up at the luminaire without being blinded.

From different distances, the diamond effect creates different patterns in the bowl. The new LED lighting makes the park much more inviting and encourage people to go for a walk in the evening. Besides we have created a more safe environment for all who pass through the park on their way to and from work.

The city park has now lighting that enhances, yet requires less maintenance and consumes less energy. At the rate of 4,000 burning hours per year, these LED luminaires will keep going for twenty years without light source replacements. “The only maintenance we need to do is to dust off the luminaire bowl every four years.”





