

**PHILIPS**

Solar lighting

SunStay

Case Study

# Solar lighting with **SunStay**

The City of Seville equipped Infanta Elena Park with all-in-one Philips SunStay solar powered street lights – to help reduce energy costs, increase the feeling of safety among citizens and become more sustainable





## Increase the feeling of safety with LED solar powered street lights

### Customer challenge

Seville, the fourth largest city in Spain, with more than one and a half million inhabitants, has many open spaces that were only usable during the hours of daylight – when natural sunlight provided sufficient illumination to travel on roads and use public facilities. However, at sunset this changed. Visibility reduced, and both traffic and pedestrian safety reduced.

The local neighbourhood community asked the city to make their park safe to enjoy at night. Seville City Council chose efficient and reliable Philips SunStay as the best option. The result? A brightly lit park that feels safe to be in 24 hours a day.



“

We will use this extremely efficient and effective solar street light to **decrease energy consumption and reduce our overall greenhouse gas emissions**”

Juan Espadas  
Major of Seville

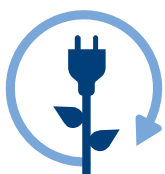
## The right lighting

The pilot project involved the installation of 20 SunStay luminaires around the perimeter of the park, which now make it accessible to all users at any time of the day or night, free from the restrictions caused by lack of natural light. The SunStay solar powered luminaire is a true all-in-one integrated solution, that combines a photovoltaic panel, charge controller, battery and LED light source in one easy-to-install package.

Without the need for cables or any type of electrical connection, SunStay can be installed and ready in just 15 minutes, reducing installation time while promoting efficiency, profitability and sustainability. The luminaire also incorporates a motion sensor that increases the level of light when movement is detected, to help increase the feeling of safety and security, and reduces it to preserve battery life when there are no people present.

From our perspective, this solar project in Seville is right up our street in terms of sustainability – at Signify we are committed to creating brighter lives and a better world by providing light which is energy efficient, saves resources, and improves lives.

All-in-one, integrated Philips SunStay street lights save on cabling costs, reduce carbon footprint and lower overall capital and operational expenditure. SunStay provides an output of 3,000 lumens of warm light, with an efficacy of 175 lm/W.



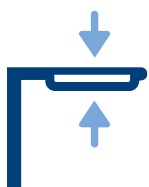
### Savings

Maximize return on investment (ROI) by eliminating the cost of tubing, connections and cabling, while also enjoying zero energy consumption.



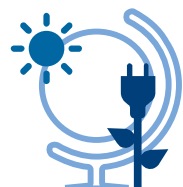
### Durability

SunStay's battery can power it continuously for 24 hours, equivalent to more than two night's lighting. In addition, its motion sensor optimizes overall consumption.



### Simplicity

Solar panel, luminaire, charge controller and battery combined in one housing, means Philips SunStay street lights are compact and easy to install and maintain.



### Sustainability

SunStay supports your sustainability commitment and respect for the environment. It uses renewable solar energy, creates zero emissions and is completely silent.

