

Juan Pablo II Park - Las Condes, Santiago Chile Municipality Leads the Way with Solar Lighting Technology



Project Summary

End User:

Municipality of Las Condes – Santiago, Chile

Lighting Agent:

Emelta S.A.

Project Scope:

Pathway lighting throughout Juan Pablo II Park, an environmental green space centrally located in the municipality of Las Condes in Santiago, Chile.

Product:

Carmanah EverGEN™ 30 solar LED lighting

Other Benefits:

The first public park in Chile to use solar LED lighting technology: a display of the municipality's desire to incorporate renewable technologies into its infrastructure.

An ecologically friendly lighting solution that allowed light to be placed only where needed, reducing light pollution and preserving the night sky..

Project Specification:

Type II Distribution – 537 lumens
Mounting height of 13 feet (4 meters)

Operating Profile:

Dusk +6

The light comes on at dusk for six hours and then turns off for the remainder of the night.

Juan Pablo II Park Continued...

Juan Pablo II Park is centrally located in the municipality of Las Condes in Santiago, Chile. Built around the concept of providing an ecological park setting within a suburban environment, the park does an important job: it provides a space for the community to rest, exercise and play in a serene natural setting.

In order for the community to fully enjoy the space, the municipality of Las Condes recognized the need for an important piece of infrastructure in the park: lighting. Not only would lighting increase the feeling of safety and security on the footpaths in the park, but it would also increase the number of hours the park could be used.

Beyond lighting, the Municipality also wanted to be a leader in their nation by installing renewable technology to get the job done. No park in Chile had ever been lit using solar LED technology but that, decided Las Condes, was about to change.

The Municipality knew that the solar LED lighting system they chose was key. Not only would the security and usability of the park hinge on the reliability of the systems, but as a cornerstone installation of renewable technology for the nation, it had to look the part by blending seamlessly into the park environment.

That was when electrical engineering company Emelta S.A. arrived on the scene with the answer the Municipality was looking for. As the authorized Carmanah partner for the Chilean region, Emelta proposed Carmanah EverGEN 30 solar LED lights as a possible solution.

The EverGEN 30 immediately set itself apart from other solar lighting options with its compact, integrated design that houses batteries, energy management system and solar panel in one unit at the top of the pole. Not only did this provide an aesthetic looking system that fit naturally into the park environment, but it also reduced the susceptibility of the systems to vandalism.

In addition to integrating well into the environment, the Carmanah EverGEN systems had a track record of reliability the Municipality could depend on. The patented technology within the Carmanah systems had proven its ability to perform in regions around the world, including the harsh and challenging conditions in countries like Australia, Canada and the Middle East.

Incorporating LED fixtures by RUUD Lighting, the systems provided uniformity that allowed for wide spacing between poles and the installation of fewer units than with other solar lighting options. The fixtures also provided a Type II distribution, placing light on the path only where it was needed and leaving the rest of the park in darkness. As a Dark-Sky friendly lighting option, the focused output also helped the Municipality to reduce light pollution.

“We knew Las Condes was looking to install solar LED lighting in the park and we felt strongly that the Carmanah EverGEN was the right solution,” said Carlos Homauer, Director for Emelta S.A. “Once our client saw the integrated form factor, the proven performance of the EverGEN and the strong reputation of Carmanah products, they agreed.”

With Emelta providing full deployment of the units through their installation department, the EverGEN units were installed quickly and with minimal disruption to the park environment.

The municipality of Las Condes is happy with the performance and aesthetics of the lights and is looking for other opportunities to install renewable energy infrastructure such as Carmanah solar LED lighting.

For more information on:
Carmanah Technologies, please visit: www.carmanah.com
Emelta S.A., please visit: www.emelta.cl
Municipality of Las Condes, please visit: www.lascondes.cl



Carmanah EverGEN solar LED lighting represents the first solar park lighting in Chile.



Carmanah solar LED lighting provides a compact, self-contained design that blends easily into aesthetic environments such as Juan Pablo II Park.