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Location: Las Condes – Santiago, Chile

Client: [Municipality of Las Condes](#)

Lighting Agent: [Emelta S.A.](#)

Products Used: Carmanah EverGEN™ 30 solar LED lighting

- Type II Distribution – 537 lumens
- Mounting height of 13 feet (4 meters)
- Operating Profile: Dusk +6
- Comes on at dusk for six hours; turns off for the remainder of the night

Overview: 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.

Requirements: 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.





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Our Solution: 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 aesthetically pleasing 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 regions 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.

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.

“ 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. Once our client saw the integrated form factor, the proven performance of the EverGEN, and the strong reputation of Carmanah products, they agreed. ”

– Carlos Hornauer, Director for Emelta S.A