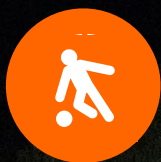


CASE STUDY



LEDVANCE

OPTIMAL LIGHTING FOR EVERY SPORT

Club Deportivo Somontes, Madrid, Spain

KEY FACTS

EFFICIENT ENERGY USE

With a luminous efficacy of up to 140 lm/W and energy savings of up to 90%, LED FLOODLIGHTS enable sustainable savings in energy costs.

LEICHTE MONTAGE UND WARTUNG

The LED floodlights are easy to install, have a service life of up to 100 000 hours and come with a 5-year guarantee.

LIGHT AT ITS FINEST

With a luminous flux of up to 38 500 lm, reduced glare and clear light control (ULOR 0%), the LED luminaires provide optimal lighting for all sports.

ALWAYS READY

Robust workmanship, IK 08 impact resistance and a wide ambient temperature range guarantee reliable performance at all times.

**FL PFM 150W/4000K ASYM
55X110 BK**



**FL PFM 290W/4000K ASYM
55X110 BK**



MORE PERFORMANCE WITH LESS ENERGY – SPORTS LIGHTING FROM LEDVANCE

The lighting at the Club Deportivo Somontes sports facilities in Madrid has been modernised by LEDVANCE with innovative FLOODLIGHT PERFORMANCE LED luminaires. The result: higher performance and optimally adjusted lighting – combined with lower energy consumption and maintenance costs.

THE CHALLENGE

Club Deportivo Somontes in Madrid is one of the city's most prestigious sports centres. The golf, tennis, padel and pickleball facilities are currently undergoing extensive modernisation. As part of this process, the outdated floodlighting systems at the various courts needed to be replaced with efficient LED solutions that optimise light quality – also with regard to the specific requirements of the individual sports – while reducing maintenance and energy costs.

THE SOLUTION

The club commissioned LEDVANCE to design and implement new LED-based lighting solutions for the individual sports facilities. In addition to the trust in the LEDVANCE brand and the comprehensive and flexibly adaptable product portfolio, the high quality of service and support was a decisive factor in the decision. LEDVANCE equipped the various sports fields at the club's facility with a total of 304 FLOODLIGHT PERFORMANCE LED luminaires, which can be precisely adapted to the requirements of the respective sport with four different wattages.

THE BENEFITS

The new lighting solution offers Club Deportivo Somontes a number of advantages: with a luminous flux of up to 38 500 lm, uniform luminance distribution, reduced glare and clear light control (ULOR 0%), the LED FLOODLIGHTS create optimal lighting conditions for a wide range of sports. The robust construction of the LED luminaires, their IK 08 impact resistance rating and a wide ambient temperature range of -30 to +50 °C ensure reliable performance even in extreme outdoor conditions. A light output of up to 140 lm/W and energy savings of up to 90% compared to halogen floodlights or up to 45% compared to luminaires with conventional discharge lamps ensure particularly efficient and economical use of energy. In addition, the LED floodlights are particularly easy to install and – thanks to a service life of up to 100 000 hours (L70/B50 at 25 °C) and a 5-year guarantee – require little maintenance.

SUMMARY

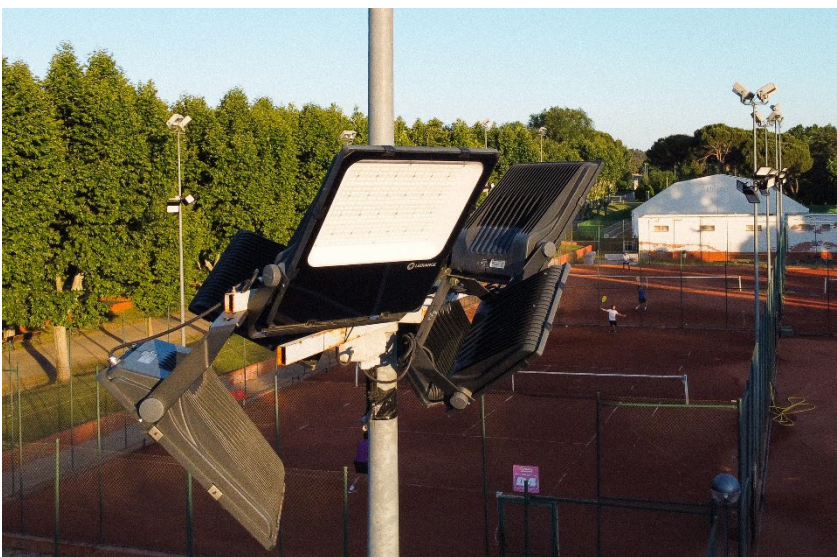
LEDVANCE has equipped the golf, tennis, padel and pickleball courts at the Club Deportivo Somontes facility in Madrid with more than 300 LED FLOODLIGHTS. The new lighting solution optimises light quality with

“One of the main successes of the lighting solution designed by LEDVANCE is seeing our users enjoy sport with clear, uniform lighting without glare. In addition, the energy savings have been remarkable, which not only benefits the centre but also the environment. It is an improvement that can be seen in every way.”

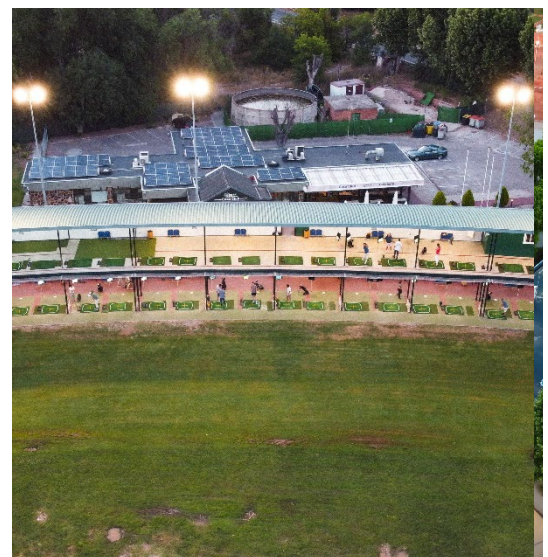
Technical Department of Club Deportivo Somontes

high luminous intensity, clear light control and reduced glare, tailored to each sport, and enables energy savings of up to 90% compared to conventional halogen floodlights. In addition, the club benefits from low maintenance costs thanks to a service life of up to 100 000 hours and a 5-year guarantee.

Customer: Club Deportivo Somontes, Madrid



Top energy efficient illumination lets the games on the courts continue into the evening



The brightly illuminated driving range