



# SWIMMING SPORTS IN TOP LIGHTING

Municipal Pools of Son Hugo,  
Palma de Mallorca, Spain

## KEY FACTS

### LIGHTING TO THE HIGHEST STANDARDS

Innovative LED floodlight luminaires provide perfect illumination of pool areas with a high luminous flux and homogeneous light distribution.

### INCREASED ENERGY EFFICIENCY

The use of modern LED lights enables a total energy cost savings of around 50%.

### INTERNATIONALLY COMPETITIVE

Due to the high-quality LED lighting, the outdoor pools of the facility meet the Class I requirements for hosting international swimming competitions

### LONGER LIFESPAN

The complete installed solution offers a very long lifespan, with a 5-year warranty for the LED luminaires used, ensuring reduced maintenance needs.

### FLOODLIGHT MAX PROJECTORS 1000W



### ECO HIGH POWER FLOODLIGHT



# EFFICIENT, RELIABLE, AND COST-EFFECTIVE LED SOLUTIONS

Swimming in the best light: LEDVANCE modernizes the lighting of the Municipal Pools of Son Hugo in Palma de Mallorca with innovative LED lights. The result: more energy efficiency, less maintenance effort, and a light quality that meets the requirements of international competitions.

## THE CHALLENGE

The Municipal Pools of Son Hugo are a popular sports and competition venue in Palma de Mallorca. As part of the modernization of the entire sports facility, the outdated lighting with HID floodlights in the outdoor pool areas and parking lots was to be renewed, thereby saving energy. In addition, the improvement of light quality aimed to meet Class I requirements for hosting local, national, and international swimming competitions and to position the Piscines Municipals de Son Hugo sustainably as a modern competition venue.

## THE SOLUTION

The customer commissioned LEDVANCE based on their references in the field of sports lighting. The lighting specialist developed and implemented a lighting concept for the Municipal Pools of Son Hugo that met the changing requirements for illuminating the pool areas while optimizing the maintenance of the

facility and enabling significant energy savings. For this purpose, the existing HID floodlights were replaced with 84 LED floodlights in two different versions. In addition to the light planning and provision of the products, LEDVANCE also took on the project coordination.

## THE BENEFITS

The transition to LED technology results in a reduction of energy costs by around 50%. Additionally, due to the up to five times longer rated lifespan of the used luminaires – for example, 50,000 hours for the ECO Floodlights 500W – and a 5-year warranty, the effort and costs for maintenance and upkeep are significantly reduced. The ECO Floodlights 500W impress with an efficient light output of 122 lm/W. Additionally, their significantly higher lumen output of up to 61,000 lm and homogeneous light distribution result in improved lighting quality, meeting the Class I requirements for hosting international swimming competitions.

„The lighting solution provided by LEDVANCE for our facilities in Son Hugo has helped us achieve significant savings. The enhanced flexibility of the lighting system has effectively met the regulatory requirements for various competitions. We would like to emphasize not only the technical solution's value but also the invaluable guidance provided by LEDVANCE, which has been a critical cornerstone in the successful development of this project.“

Jordi Prats

Director of the Municipal Pools of Son Hugo



Outdoor pool lighting

## THE SUMMARY

As part of an energy-efficient renovation, LEDVANCE develops and coordinates an innovative lighting solution with modern LED floodlights for the outdoor pools and parking lots of Piscines Municipals de San Hugo in Palma de Mallorca. The new lighting concept ensures increased energy efficiency, reduces maintenance efforts, and, thanks to significantly improved light intensity and distribution, also meets the Class I requirements for hosting international swimming competitions.

