



CIBSE & Sport England Compliant Design

“The new design luminaires carefully considered the specific challenges of the complex environment and was completed in full accordance with Sport England and CIBSE Guidelines”.

Background

North Herts Leisure Centre was built in 1982 and is operated by Stevenage Leisure Ltd (SLL).

SLL completed a redevelopment of the Centre which included a number of additions to improve the customer experience such as a new learner pool, refurbished wet changing areas, a new fitness studio and modernised café.

To further build on this programme enhancements SLL tasked The Unify Group to design and install a new LED lighting system for the swimming pool area which would improve the quality of the lighting environment for swimmers and spectators.

Solution

Unify completed an initial survey of the site which identified the existing lighting to be both highly inefficient and delivering well below the CIBSE and Sport England recommended lux levels for swimming pools at only circa 100 lux average with very poor colour rendering and surface reflectance.

The design of the new system and selection of luminaires carefully considered the specific challenges of the complex environment and was completed in full accordance with Sport England and CIBSE Guidelines and in close consultation between Unify and SLL prior to final project sign off.



Before



After





Over 300% Increase in Lux Levels

"Enhancements included more than a 300% increase in lux levels, equally balanced uniformity, a visible reduction in surface glare and improved colour rendering".

Achievement

Unify facilitated the full design and installation of a new high-quality energy efficient LED lighting solution that has successfully delivered a substantial reduction in running costs along with significantly reduced annual carbon emissions.

The implementation of the new lighting system has provided considerable enhancements to the environment including more than a 300% increase in lux levels, equally balanced uniformity, a visible reduction in surface glare and improved colour rendering through the use of natural colour temperatures. All of which has significantly improved the overall customer experience and is clearly demonstrated by the images within this case study.



Before



After



The Unify Group has undertaken numerous energy efficiency projects up and down the country. Unify consistently improves the customer experience, enables strong investment returns and delivers a professional and courteous service.

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